

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112425\
 Data File : VN088349.D
 Acq On : 24 Nov 2025 14:35
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 25 01:13:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:08:44 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/25/2025
 Supervised By : Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	278091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	508326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	457447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	226673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	800654	159.167	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 318.340%#			
35) Dibromofluoromethane	8.147	113	514160	147.513	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 295.020%#			
50) Toluene-d8	10.547	98	2002008	150.709	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 301.420%#			
62) 4-Bromofluorobenzene	12.829	95	734676	157.441	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 314.880%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	614298	180.703	ug/l	97
3) Chloromethane	2.383	50	637070	161.216	ug/l	98
4) Vinyl Chloride	2.536	62	643786	152.025	ug/l	99
5) Bromomethane	2.948	94	327351	132.741	ug/l	99
6) Chloroethane	3.124	64	404469	135.623	ug/l	99
7) Trichlorofluoromethane	3.506	101	880178	134.591	ug/l	97
8) Diethyl Ether	3.959	74	342692	137.150	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	461517	136.083	ug/l	99
10) Methyl Iodide	4.583	142	530186	162.959	ug/l	96
11) Tert butyl alcohol	5.524	59	615624	700.111	ug/l	99
12) 1,1-Dichloroethene	4.336	96	461833	128.534	ug/l	95
13) Acrolein	4.177	56	614784	639.165	ug/l	98
14) Allyl chloride	5.012	41	947252m	147.136	ug/l	
15) Acrylonitrile	5.706	53	1745154	730.587	ug/l	100
16) Acetone	4.418	43	1310595	539.272	ug/l	100
17) Carbon Disulfide	4.700	76	1529256	137.911	ug/l	99
18) Methyl Acetate	5.018	43	822075	155.669	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	1946194	144.173	ug/l	97
20) Methylene Chloride	5.259	84	565609	132.915	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	522186	131.362	ug/l	100
22) Diisopropyl ether	6.659	45	2022262	149.459	ug/l	98
23) Vinyl Acetate	6.589	43	8352858m	697.381	ug/l	
24) 1,1-Dichloroethane	6.553	63	1073175	142.923	ug/l	98
25) 2-Butanone	7.471	43	2317712	701.347	ug/l	96
26) 2,2-Dichloropropane	7.477	77	948461	140.541	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	621100	134.889	ug/l	99
28) Bromochloromethane	7.794	49	498418	142.113	ug/l	100
29) Tetrahydrofuran	7.824	42	1661991	756.181	ug/l	99
30) Chloroform	7.947	83	1072381	143.821	ug/l	95
31) Cyclohexane	8.236	56	925517	133.789	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	920717	139.956	ug/l	96
36) 1,1-Dichloropropene	8.353	75	747080	145.584	ug/l	100
37) Ethyl Acetate	7.547	43	1038194	152.172	ug/l	100
38) Carbon Tetrachloride	8.341	117	776182	146.756	ug/l	96
39) Methylcyclohexane	9.583	83	856176	133.452	ug/l	96
40) Benzene	8.588	78	2252306	142.862	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	533051	150.887	ug/l	98
42) 1,2-Dichloroethane	8.653	62	895667	157.152	ug/l	99
43) Isopropyl Acetate	8.671	43	1638317	157.450	ug/l	99
44) Trichloroethene	9.335	130	529981	144.265	ug/l	98
45) 1,2-Dichloropropane	9.600	63	581336	145.238	ug/l	95
46) Dibromomethane	9.688	93	422737	147.782	ug/l	100
47) Bromodichloromethane	9.871	83	863631	150.736	ug/l	100
48) Methyl methacrylate	9.665	41	781838	162.758	ug/l	99
49) 1,4-Dioxane	9.683	88	191377	3161.388	ug/l #	97
51) 4-Methyl-2-Pentanone	10.424	43	4963362	804.767	ug/l	99
52) Toluene	10.612	92	1389323	144.264	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	953623	156.732	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	975877	151.168	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	513073	139.644	ug/l	99
56) Ethyl methacrylate	10.853	69	954630	162.929	ug/l	99
57) 1,3-Dichloropropane	11.141	76	948252	146.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	2298552	735.483	ug/l	100
59) 2-Hexanone	11.177	43	3427514	845.082	ug/l	99
60) Dibromochloromethane	11.335	129	615359	147.332	ug/l	98
61) 1,2-Dibromoethane	11.447	107	548222	144.568	ug/l	99
64) Tetrachloroethene	11.082	164	503663	157.444	ug/l	98
65) Chlorobenzene	11.871	112	1467895	137.978	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	494738	140.800	ug/l	98
67) Ethyl Benzene	11.941	91	2679329	143.490	ug/l	99
68) m/p-Xylenes	12.047	106	1999338	286.370	ug/l	98
69) o-Xylene	12.376	106	971419	146.823	ug/l	99
70) Styrene	12.388	104	1660474	153.203	ug/l	99
71) Bromoform	12.559	173	404703	154.550	ug/l #	99
73) Isopropylbenzene	12.671	105	2520465	141.411	ug/l	99
74) N-amyl acetate	12.482	43	1006304	198.228	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.918	83	735899	132.074	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	778772m	144.533	ug/l	
77) Bromobenzene	12.959	156	554789	142.170	ug/l	97
78) n-propylbenzene	13.012	91	3057578	140.752	ug/l	100
79) 2-Chlorotoluene	13.100	91	1823307	145.751	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	2086957	140.933	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	314465	160.381	ug/l #	91
82) 4-Chlorotoluene	13.200	91	1905793	140.664	ug/l	99
83) tert-Butylbenzene	13.418	119	1733611	132.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	2111285	142.286	ug/l	99
85) sec-Butylbenzene	13.594	105	2498053	130.473	ug/l	100
86) p-Isopropyltoluene	13.706	119	2089505	135.476	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	1070574	139.099	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	1093471	131.796	ug/l	99
89) n-Butylbenzene	14.035	91	2025634	133.462	ug/l	99
90) Hexachloroethane	14.306	117	376335	127.143	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	1023417	137.771	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	204222	154.355	ug/l	100
93) 1,2,4-Trichlorobenzene	15.365	180	623560	139.416	ug/l	99
94) Hexachlorobutadiene	15.470	225	208495	127.182	ug/l	97
95) Naphthalene	15.612	128	2308447	149.183	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	605584	140.271	ug/l	98

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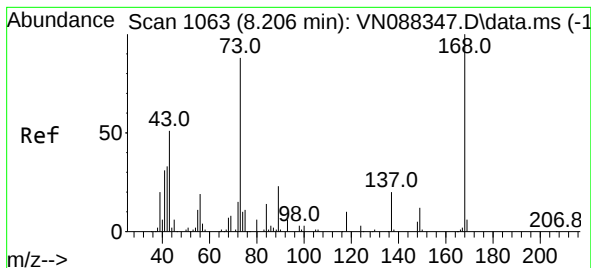
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 11/26/2025

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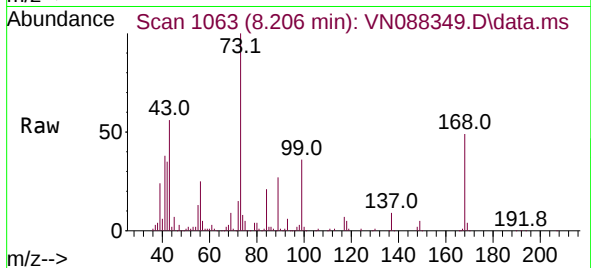
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
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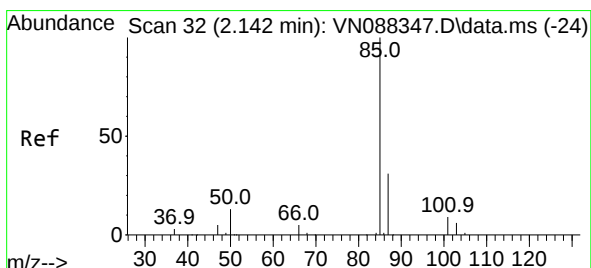
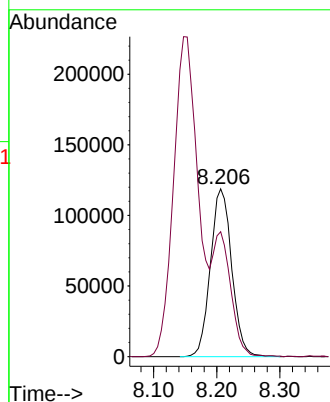
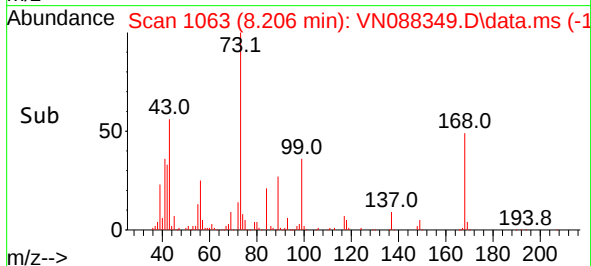
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ClientSampleId :
VSTDICC150



Tgt Ion:168 Resp: 278091
Ion Ratio Lower Upper
168 100
99 74.2 57.1 85.7

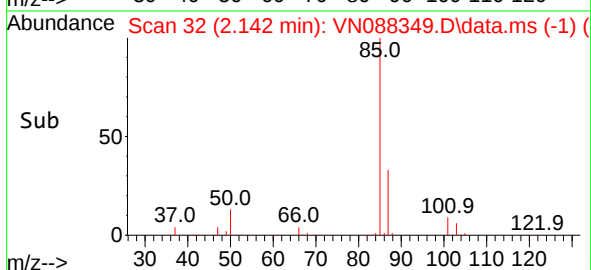
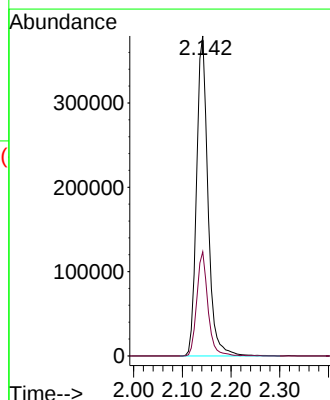
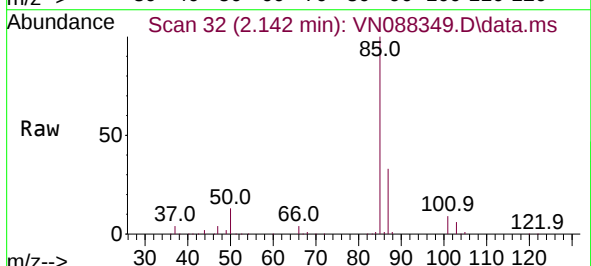
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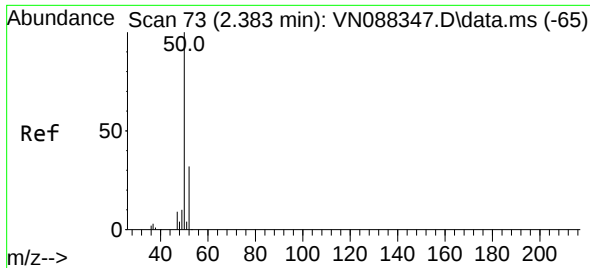
Reviewed By :John Carlone 11/25/2025
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#2
Dichlorodifluoromethane
Concen: 180.703 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

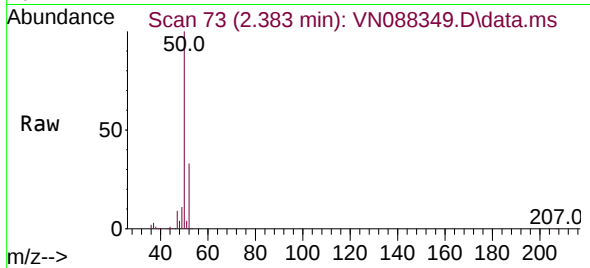
Tgt Ion: 85 Resp: 614298
Ion Ratio Lower Upper
85 100
87 32.5 15.6 46.7





#3
Chloromethane
Concen: 161.216 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

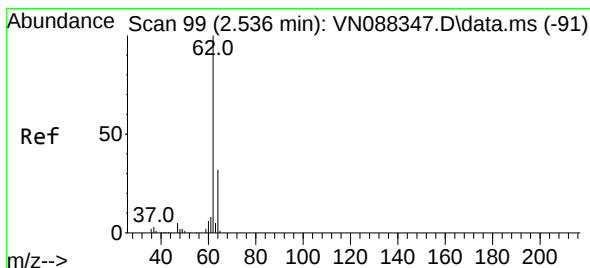
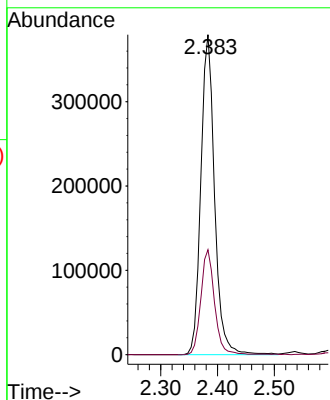
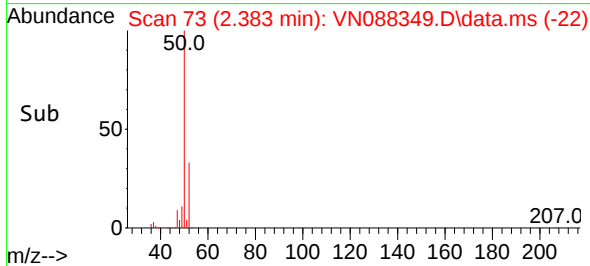
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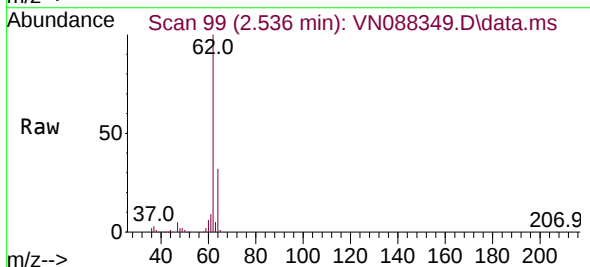
Tgt Ion: 50 Resp: 637070
Ion Ratio Lower Upper
50 100
52 32.8 25.2 37.8

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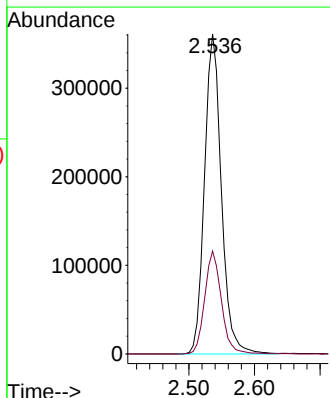
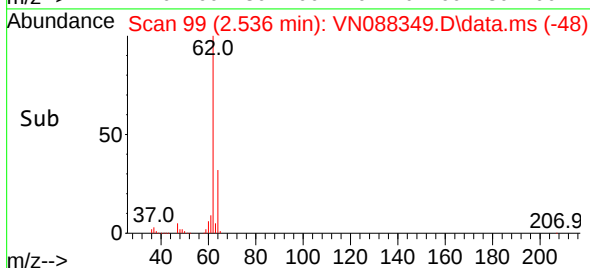
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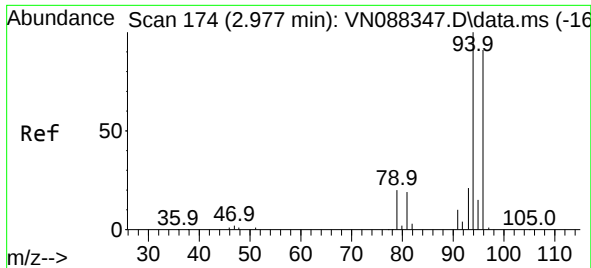


#4
Vinyl Chloride
Concen: 152.025 ug/l
RT: 2.536 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



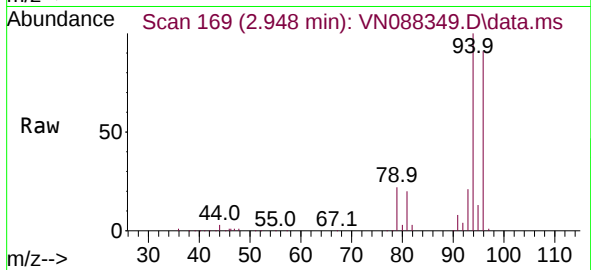
Tgt Ion: 62 Resp: 643786
Ion Ratio Lower Upper
62 100
64 32.1 25.4 38.2





#5
Bromomethane
Concen: 132.741 ug/l
RT: 2.948 min Scan# 10
Delta R.T. -0.029 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

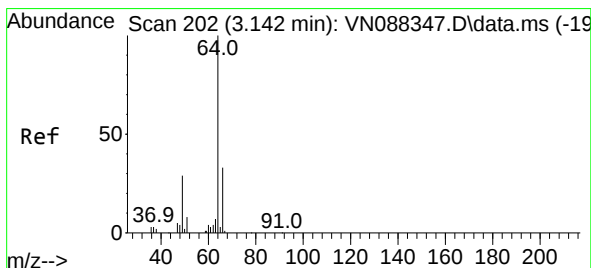
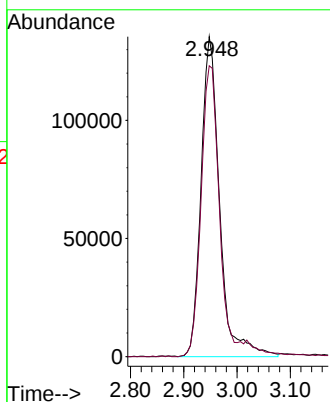
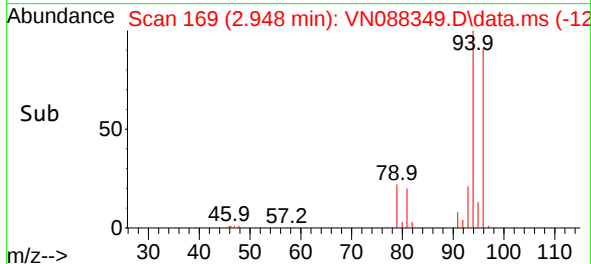
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Tgt Ion: 94 Resp: 32735
Ion Ratio Lower Upper
94 100
96 90.9 73.2 109.8

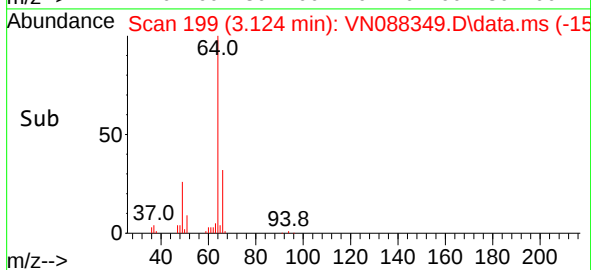
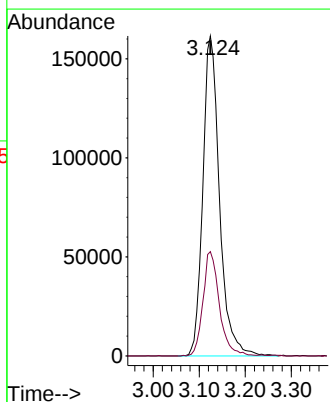
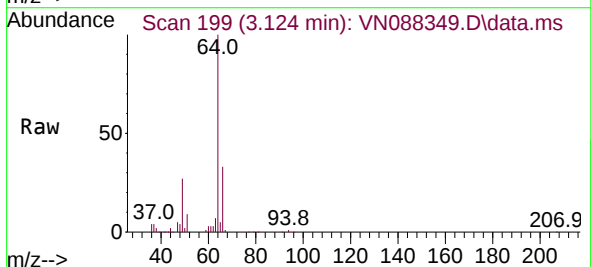
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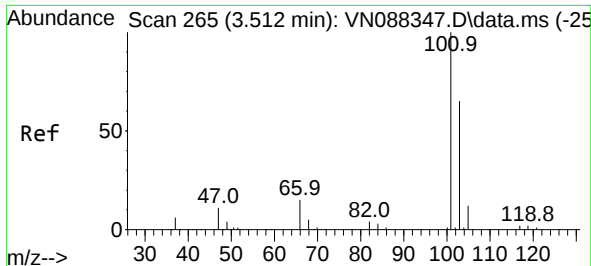
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#6
Chloroethane
Concen: 135.623 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.017 min
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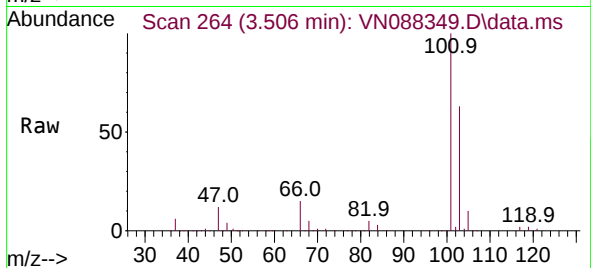
Tgt Ion: 64 Resp: 404469
Ion Ratio Lower Upper
64 100
66 32.6 26.4 39.6





#7
Trichlorofluoromethane
Concen: 134.591 ug/l
RT: 3.506 min Scan# 265
Delta R.T. -0.006 min
Lab File: VN088349.D
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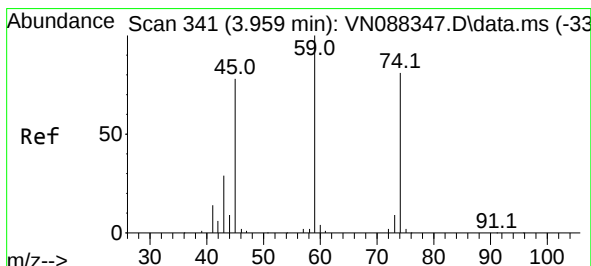
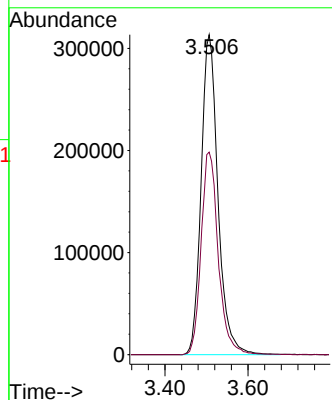
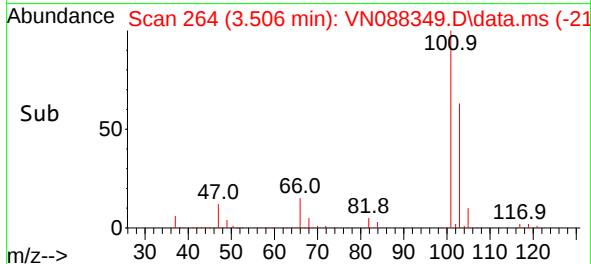
Instrument :
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Tgt Ion:101 Resp: 880178
Ion Ratio Lower Upper
101 100
103 63.3 52.3 78.5

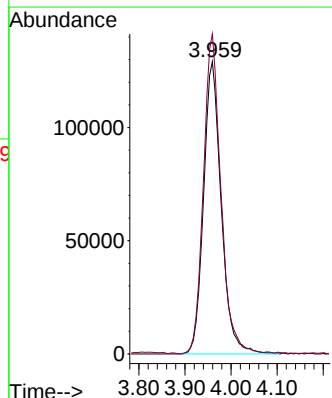
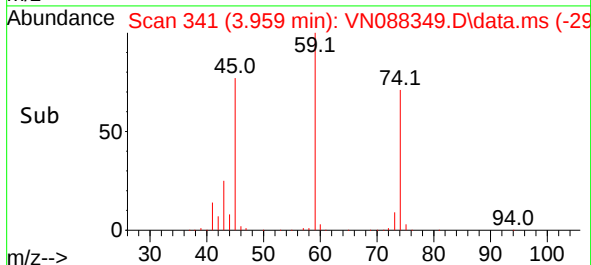
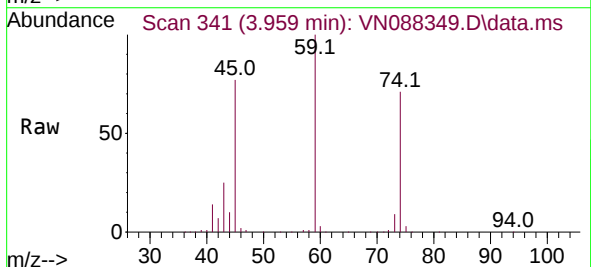
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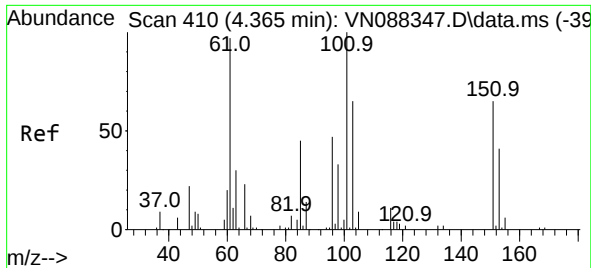
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#8
Diethyl Ether
Concen: 137.150 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 342692
Ion Ratio Lower Upper
74 100
45 108.5 54.2 162.6





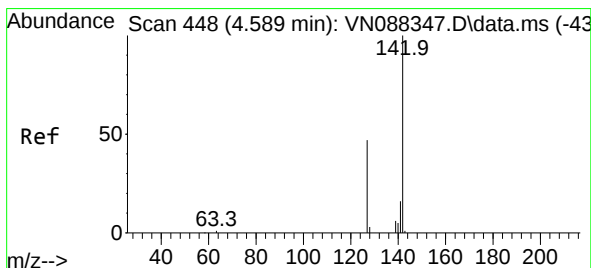
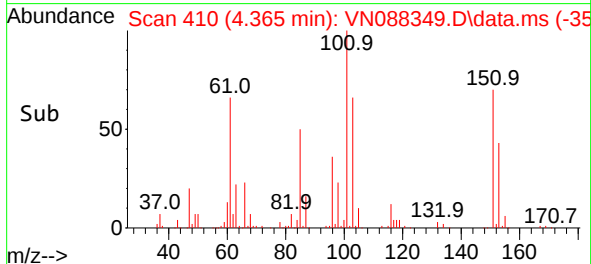
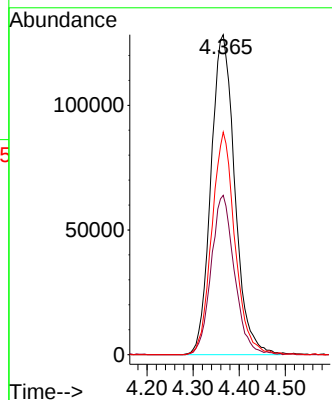
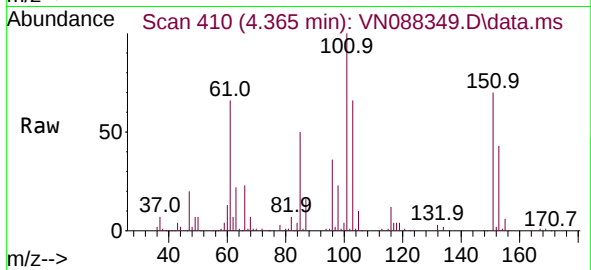
#9
1,1,2-Trichlorotrifluoroethane
Concen: 136.083 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 46151
Ion Ratio Lower Upper
101 100
85 48.6 39.2 58.8
151 67.7 53.6 80.4

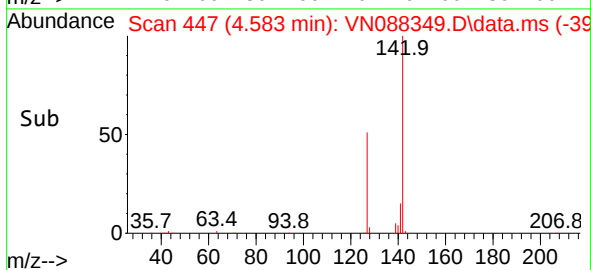
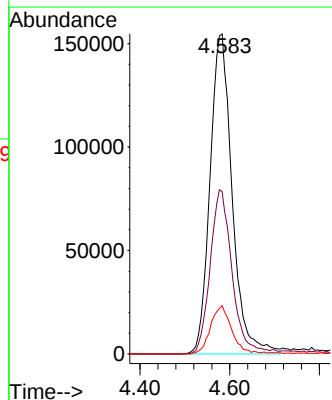
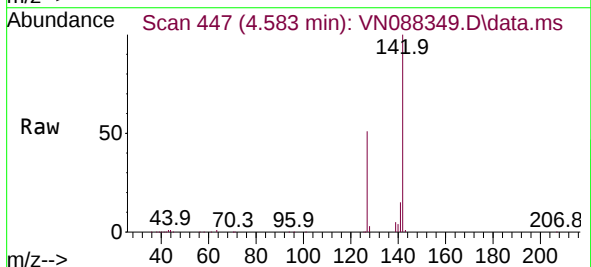
Manual Integrations
APPROVED

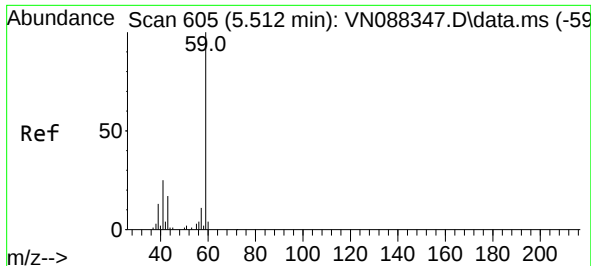
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#10
Methyl Iodide
Concen: 162.959 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

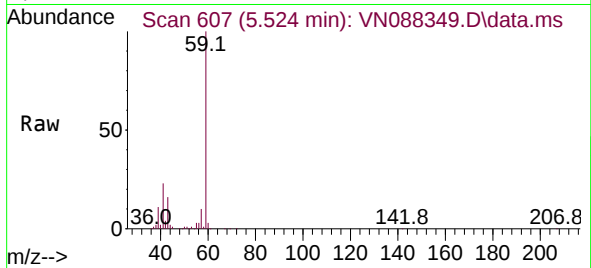
Tgt Ion:142 Resp: 530186
Ion Ratio Lower Upper
142 100
127 50.7 37.9 56.9
141 15.0 12.4 18.6





#11
Tert butyl alcohol
Concen: 700.111 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

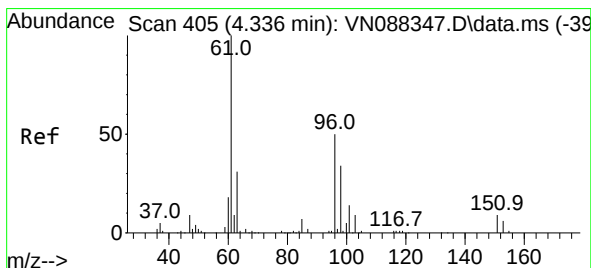
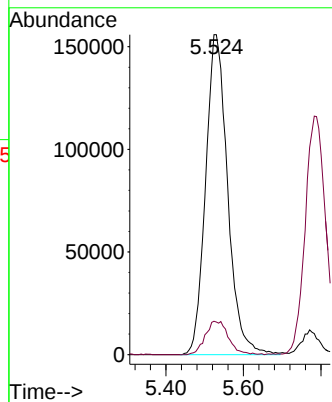
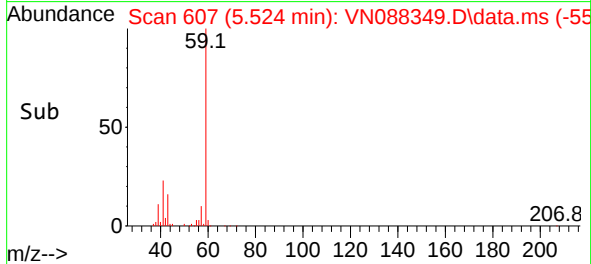
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



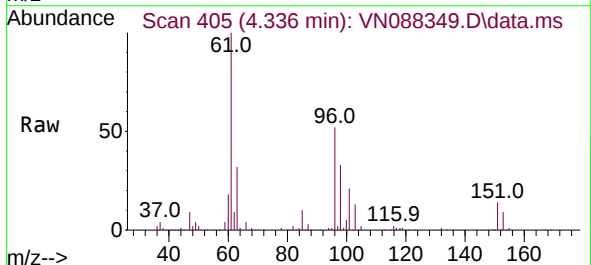
Tgt Ion: 59 Resp: 615624
Ion Ratio Lower Upper
59 100
57 11.0 8.5 12.7

Manual Integrations
APPROVED

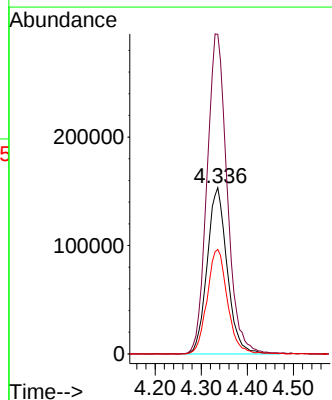
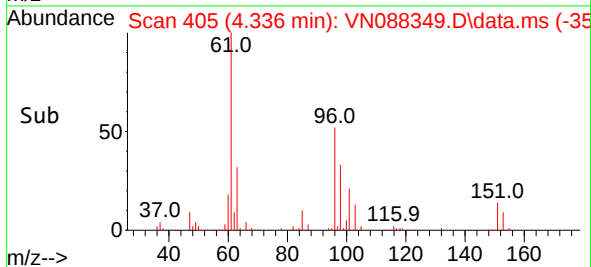
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

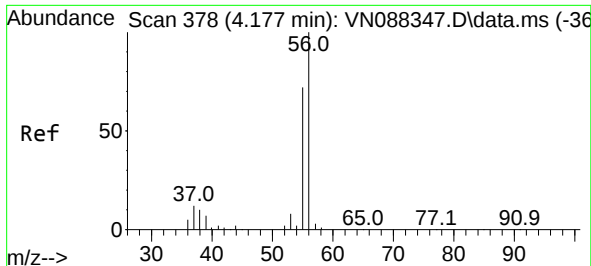


#12
1,1-Dichloroethene
Concen: 128.534 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



Tgt Ion: 96 Resp: 461833
Ion Ratio Lower Upper
96 100
61 192.4 159.1 238.7
98 62.8 53.7 80.5





#13

Acrolein

Concen: 639.165 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 614784

Ion Ratio Lower Upper

56 100

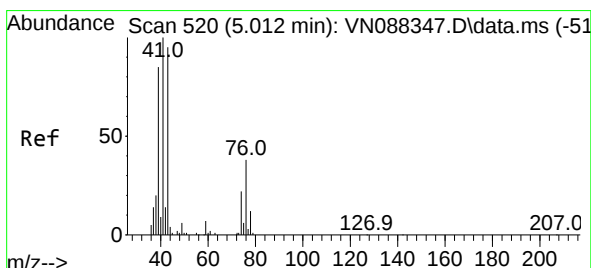
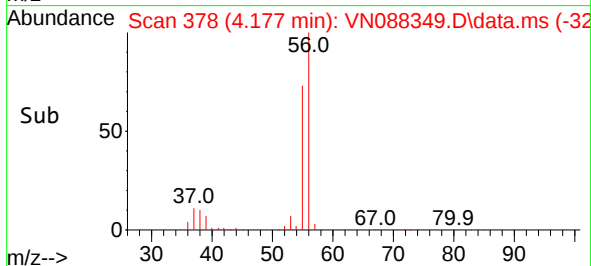
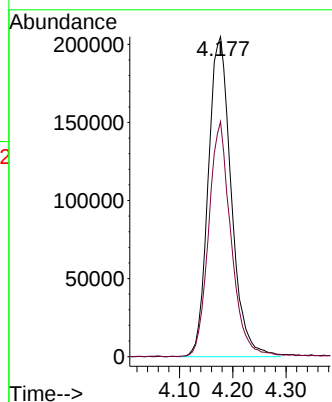
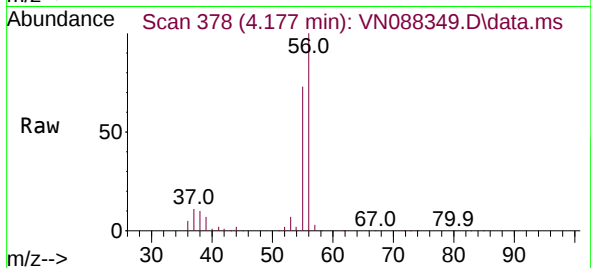
55 71.9 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#14

Allyl chloride

Concen: 147.136 ug/l m

RT: 5.012 min Scan# 520

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

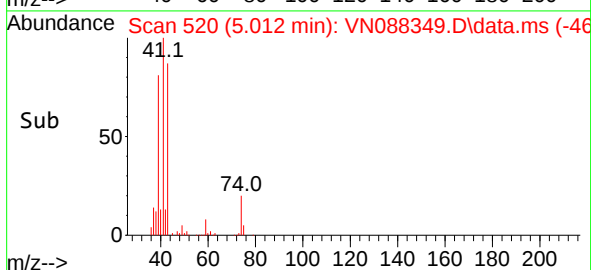
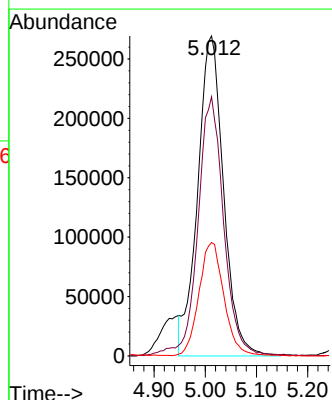
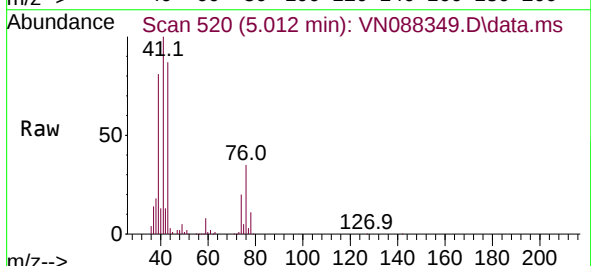
Tgt Ion: 41 Resp: 947252

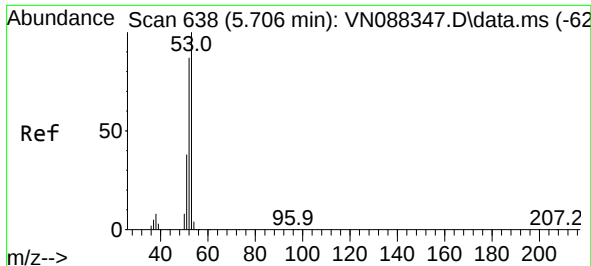
Ion Ratio Lower Upper

41 100

39 80.1 64.7 97.1

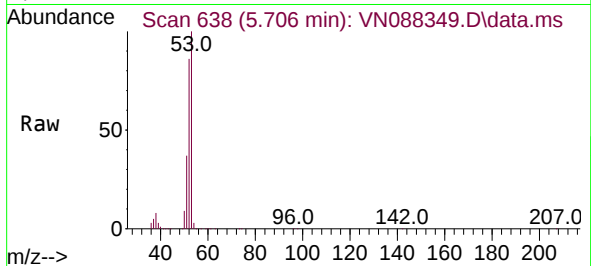
76 34.4 29.1 43.7





#15
Acrylonitrile
Concen: 730.587 ug/l
RT: 5.706 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

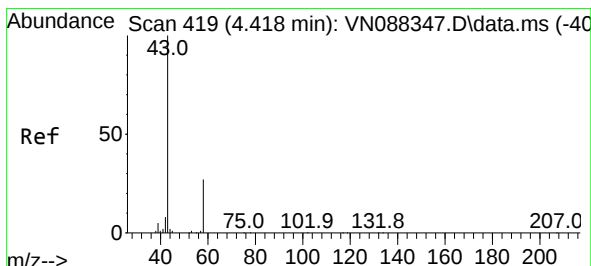
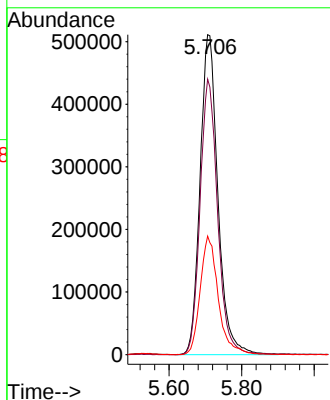
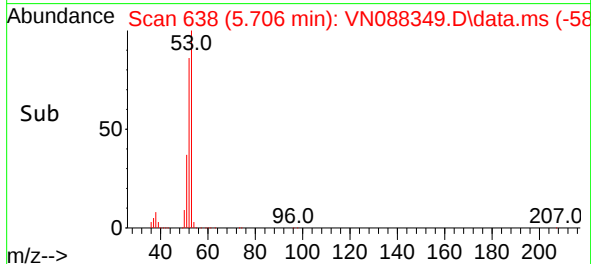
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 53 Resp: 1745154
Ion Ratio Lower Upper
53 100
52 84.6 67.8 101.6
51 37.5 29.8 44.8

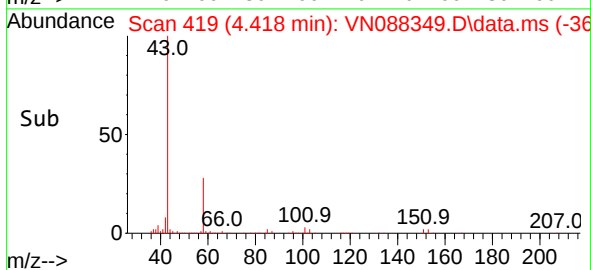
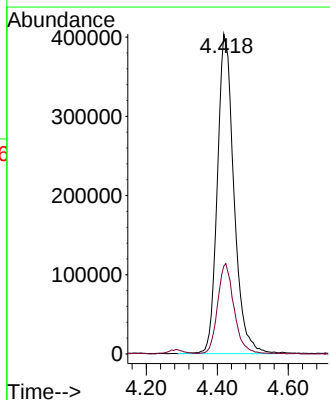
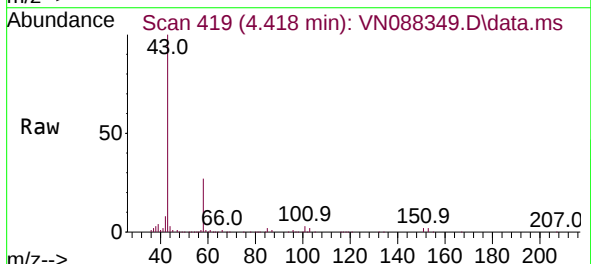
Manual Integrations
APPROVED

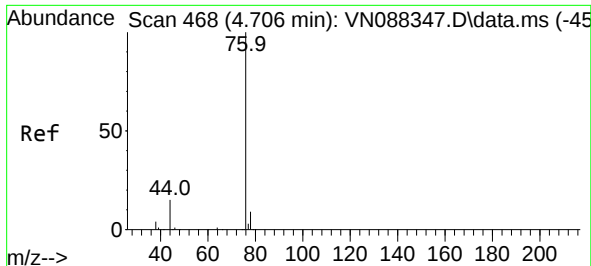
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#16
Acetone
Concen: 539.272 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

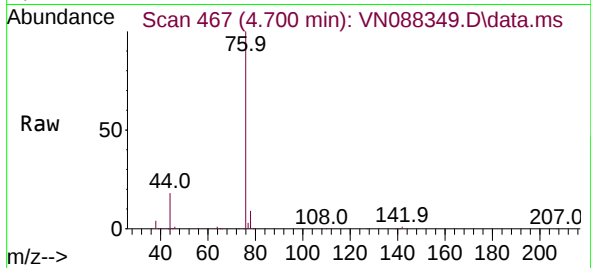
Tgt Ion: 43 Resp: 1310595
Ion Ratio Lower Upper
43 100
58 27.3 21.7 32.5





#17
Carbon Disulfide
Concen: 137.911 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

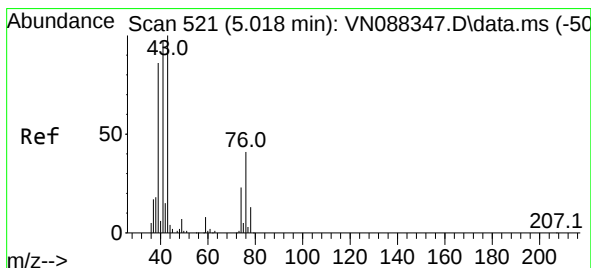
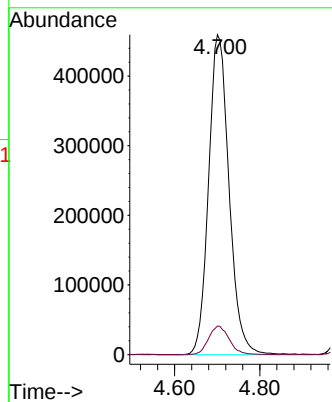
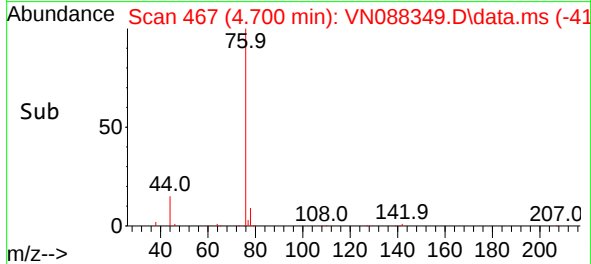
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 76 Resp: 1529256
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4

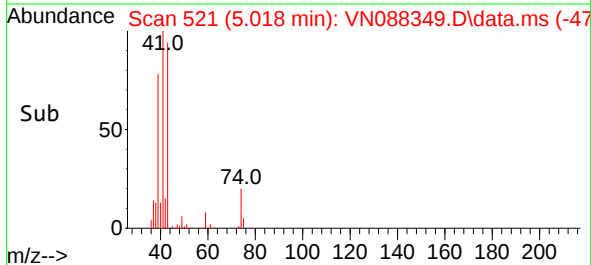
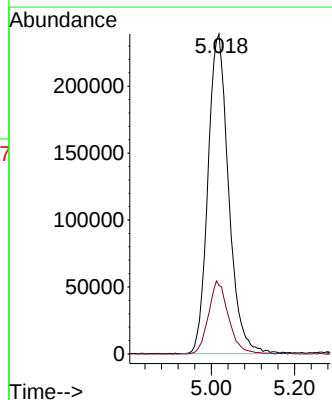
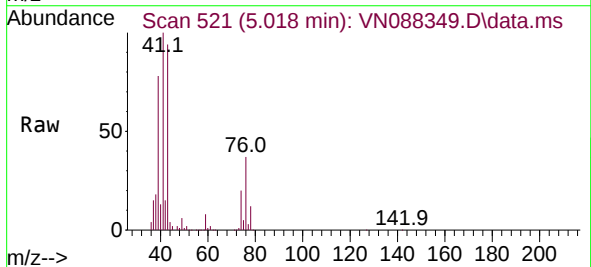
Manual Integrations
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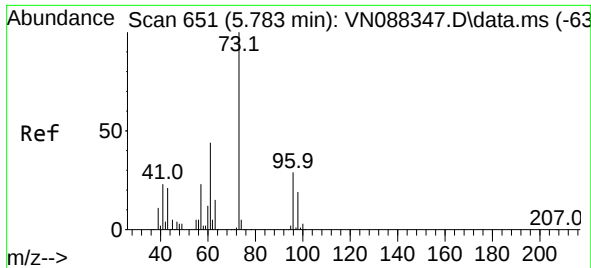
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#18
Methyl Acetate
Concen: 155.669 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

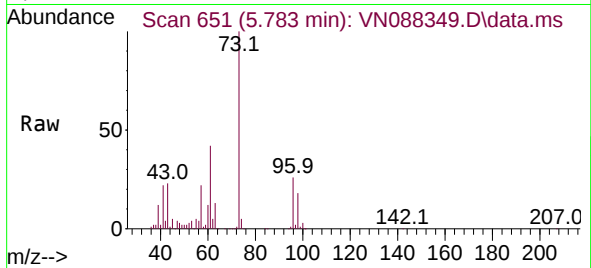
Tgt Ion: 43 Resp: 822075
Ion Ratio Lower Upper
43 100
74 22.2 17.9 26.9





#19
Methyl tert-butyl Ether
Concen: 144.173 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

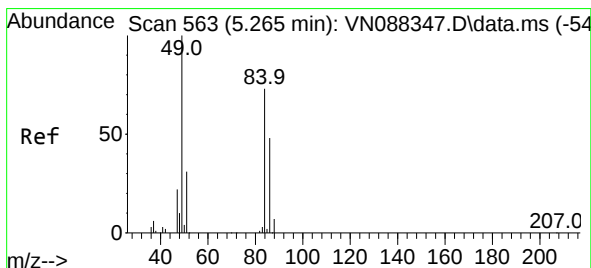
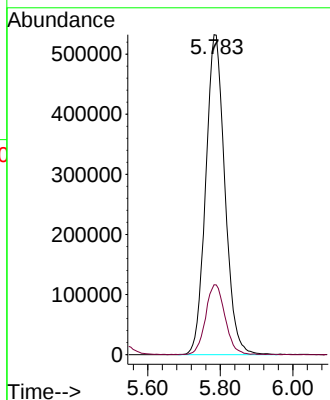
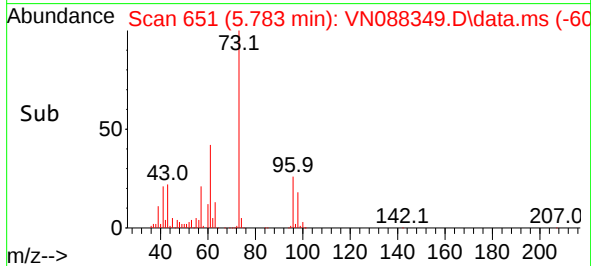
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 73 Resp: 1946194
Ion Ratio Lower Upper
73 100
57 21.8 18.6 28.0

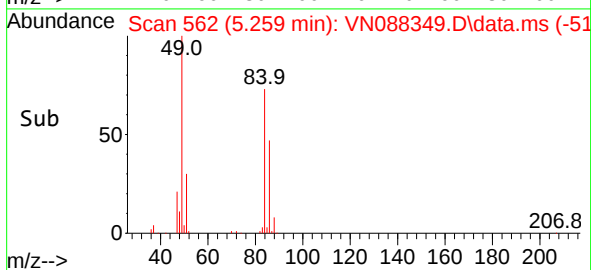
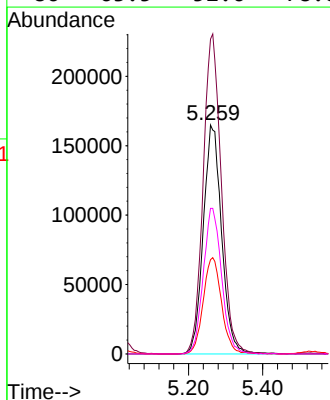
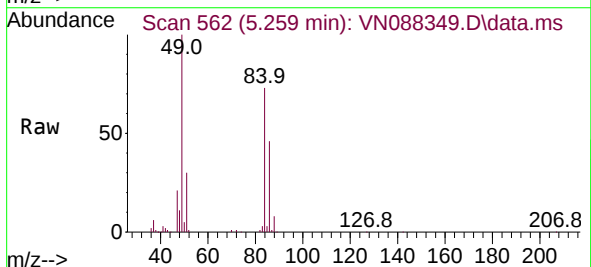
Manual Integrations
APPROVED

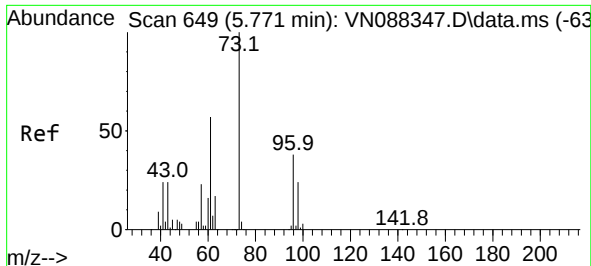
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#20
Methylene Chloride
Concen: 132.915 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

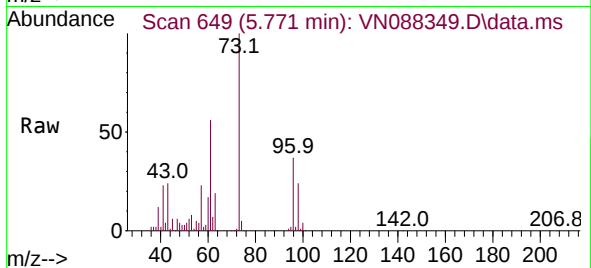
Tgt Ion: 84 Resp: 565609
Ion Ratio Lower Upper
84 100
49 137.5 110.2 165.2
51 41.2 34.1 51.1
86 63.5 52.6 78.8





#21
trans-1,2-Dichloroethene
Concen: 131.362 ug/l
RT: 5.771 min Scan# 649
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

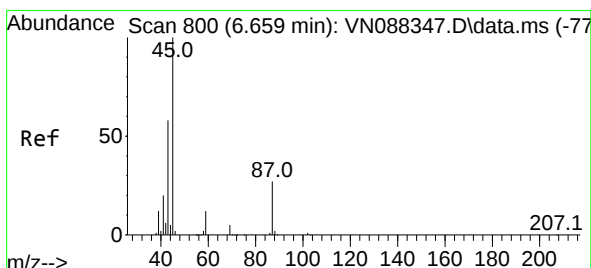
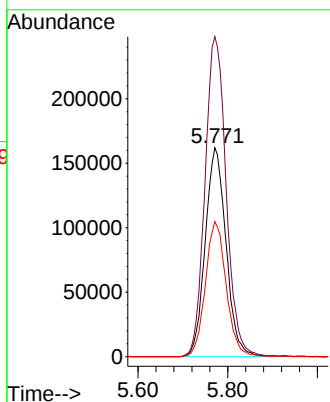
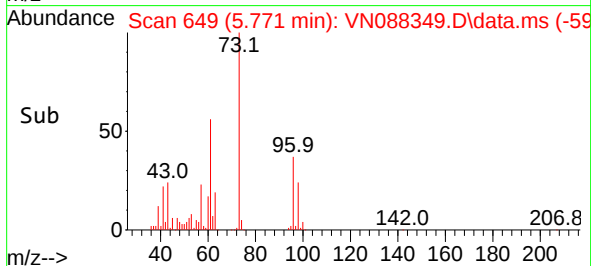
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



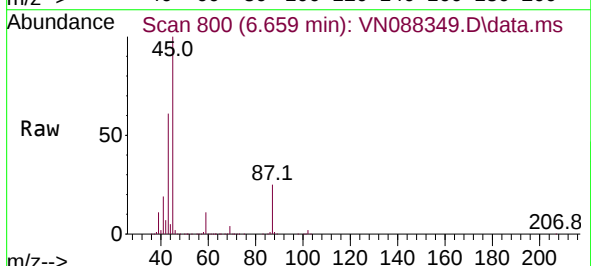
Tgt Ion: 96 Resp: 522186
Ion Ratio Lower Upper
96 100
61 153.1 122.4 183.6
98 64.6 50.9 76.3

Manual Integrations
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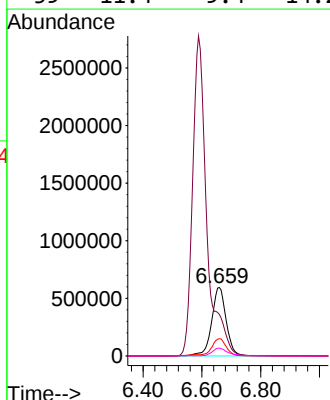
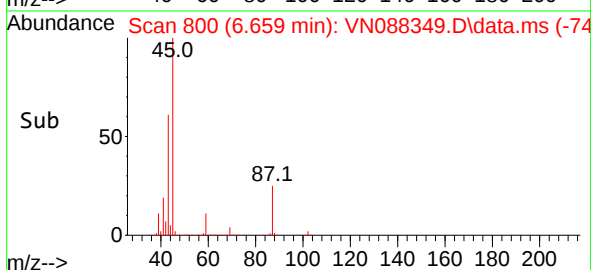
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

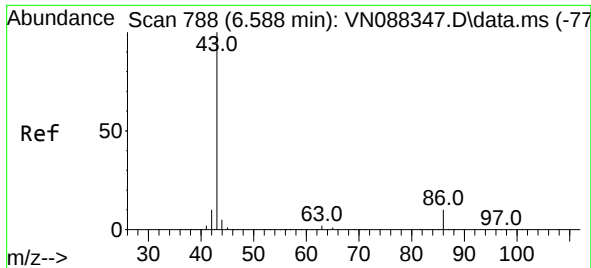


#22
Diisopropyl ether
Concen: 149.459 ug/l
RT: 6.659 min Scan# 800
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



Tgt Ion: 45 Resp: 2022262
Ion Ratio Lower Upper
45 100
43 60.3 47.4 71.2
87 25.2 21.9 32.9
59 11.4 9.4 14.2





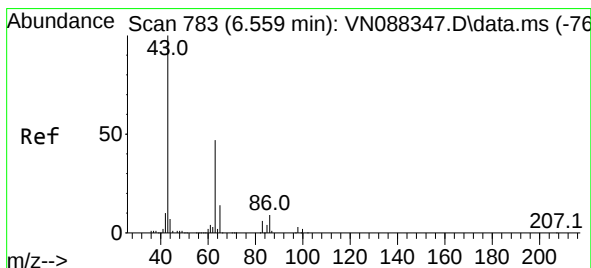
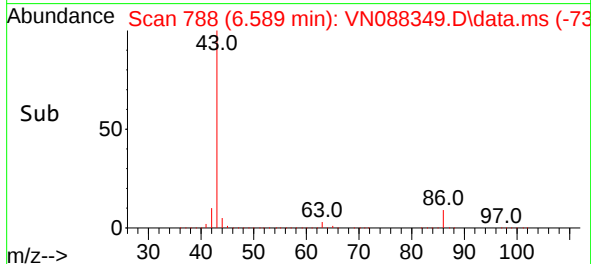
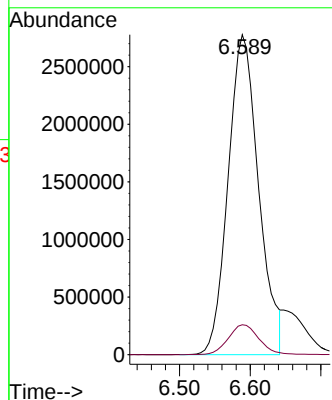
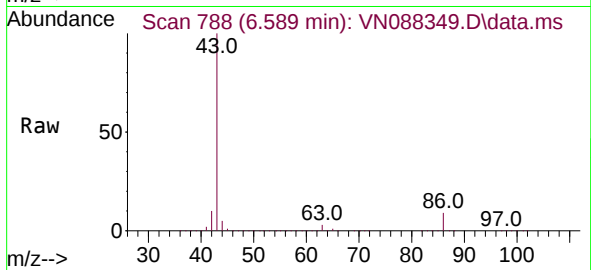
#23
 Vinyl Acetate
 Concen: 697.381 ug/l m
 RT: 6.589 min Scan# 788
 Delta R.T. 0.000 min
 Lab File: VN088349.D
 Acq: 24 Nov 2025 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 8352858
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.8 11.8

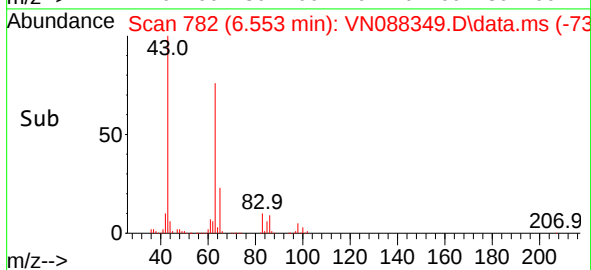
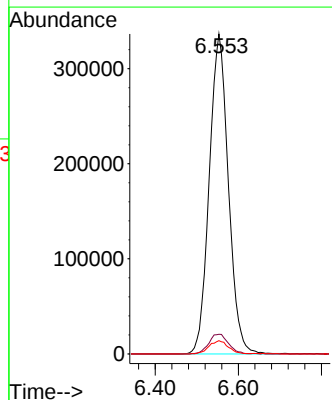
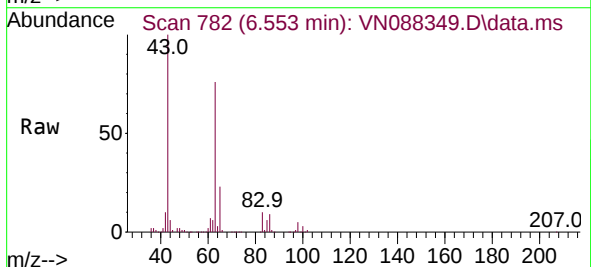
Manual Integrations
 APPROVED

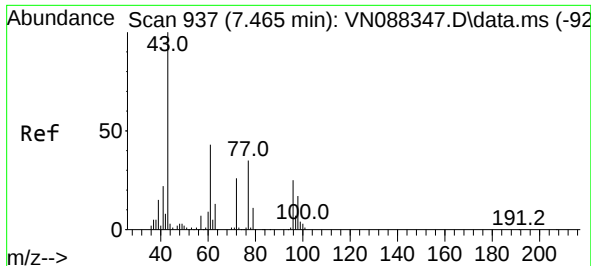
Reviewed By :John Carlone 11/25/2025
 Supervised By :Mahesh Dadoda 11/26/2025



#24
 1,1-Dichloroethane
 Concen: 142.923 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. -0.006 min
 Lab File: VN088349.D
 Acq: 24 Nov 2025 14:35

Tgt Ion: 63 Resp: 1073175
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.4 10.2
 100 4.1 1.9 5.7





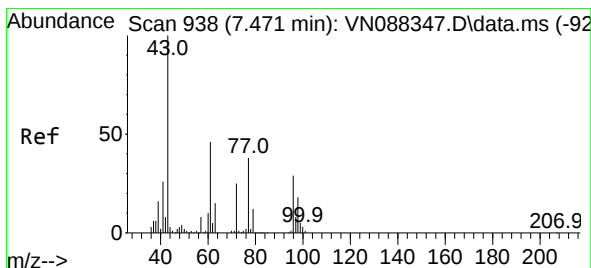
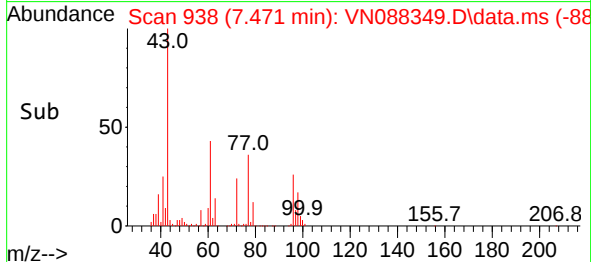
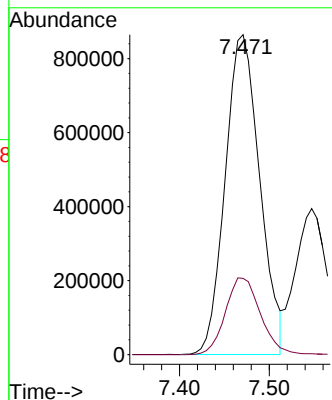
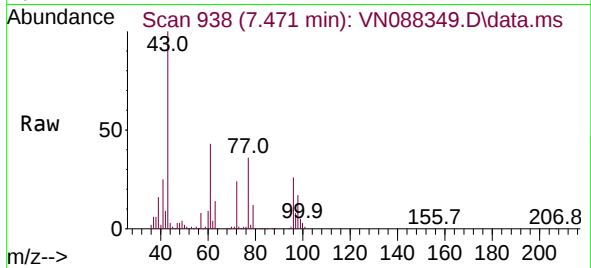
#25
2-Butanone
Concen: 701.347 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2317712
Ion Ratio Lower Upper
43 100
72 23.8 20.5 30.7

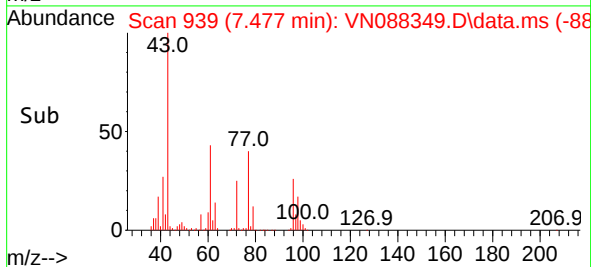
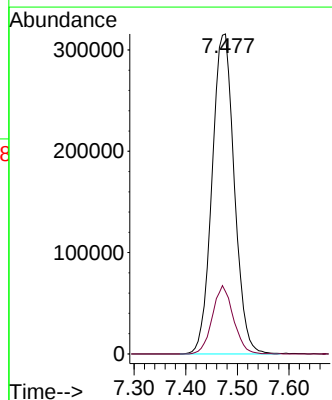
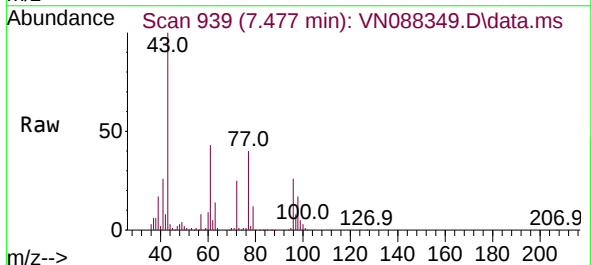
Manual Integrations
APPROVED

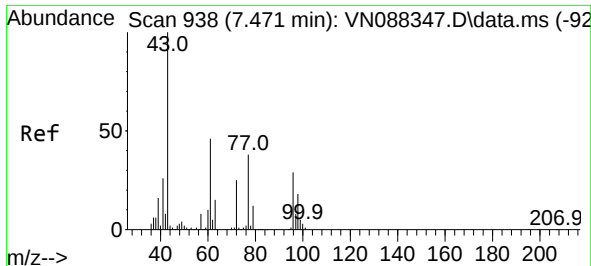
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#26
2,2-Dichloropropane
Concen: 140.541 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

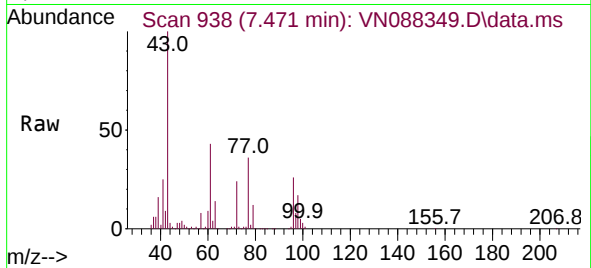
Tgt Ion: 77 Resp: 948461
Ion Ratio Lower Upper
77 100
97 20.1 10.3 30.9





#27
cis-1,2-Dichloroethene
Concen: 134.889 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

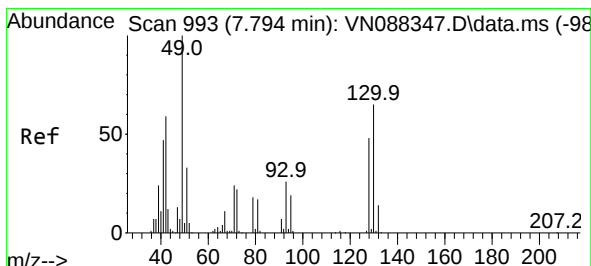
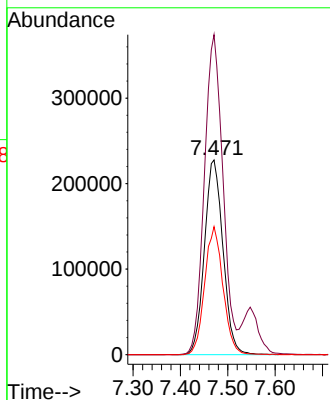
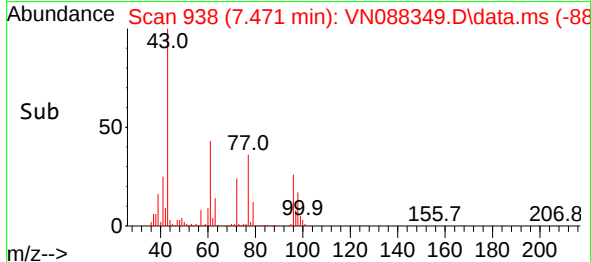
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 96 Resp: 621100
Ion Ratio Lower Upper
96 100
61 163.5 0.0 323.6
98 64.7 0.0 127.2

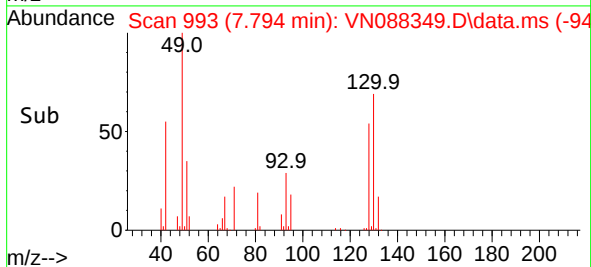
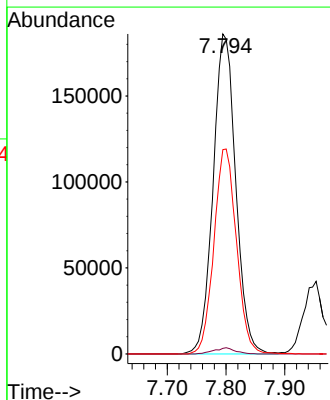
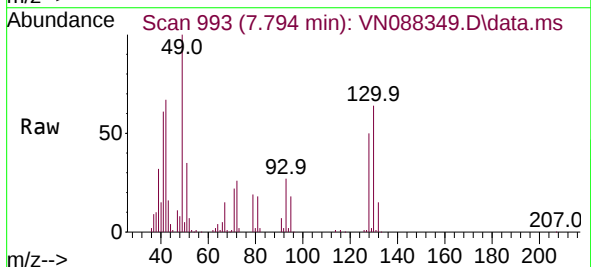
Manual Integrations
APPROVED

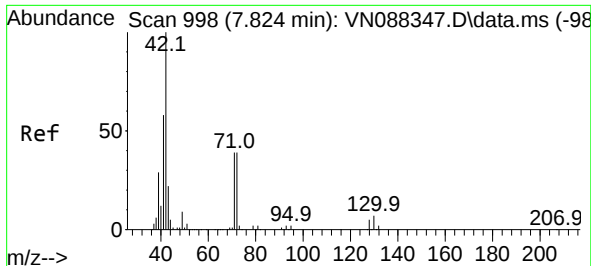
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#28
Bromochloromethane
Concen: 142.113 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

Tgt Ion: 49 Resp: 498418
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.6
130 63.6 51.1 76.7





#29

Tetrahydrofuran

Concen: 756.181 ug/l

RT: 7.824 min Scan# 998

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 166199

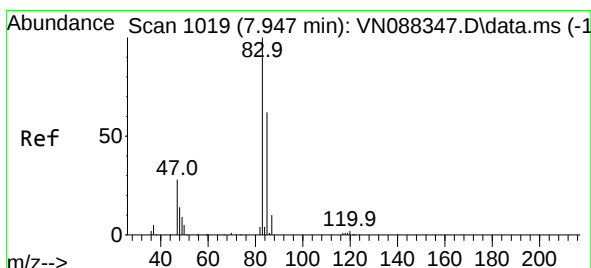
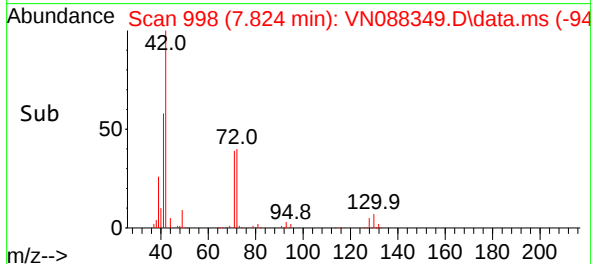
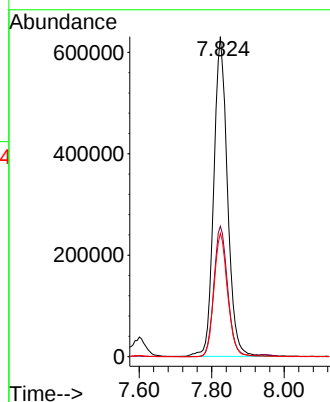
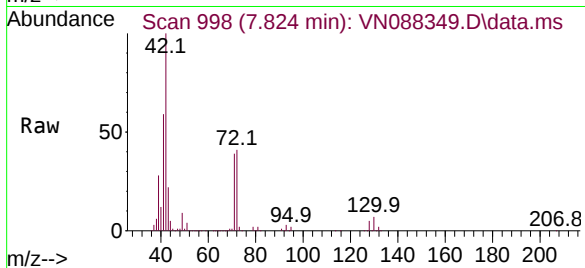
Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.2	48.4
71	38.2	31.1	46.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#30

Chloroform

Concen: 143.821 ug/l

RT: 7.947 min Scan# 1019

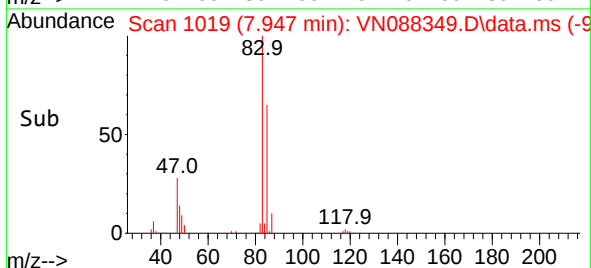
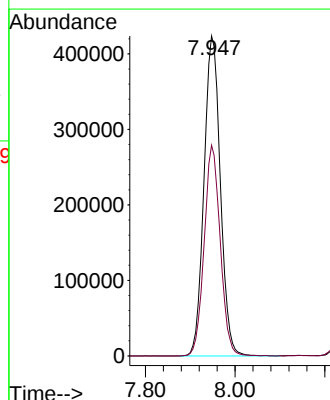
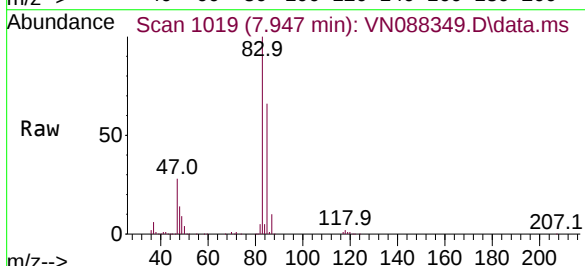
Delta R.T. 0.000 min

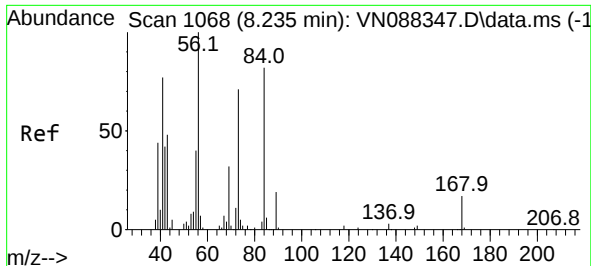
Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Tgt Ion: 83 Resp: 1072381

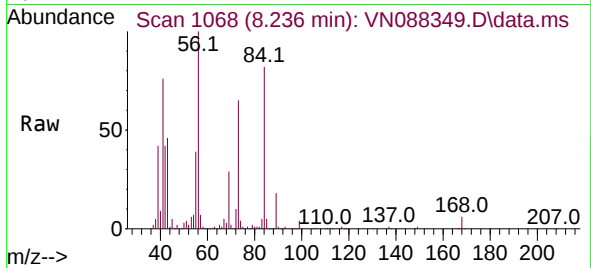
Ion	Ratio	Lower	Upper
83	100		
85	65.8	49.8	74.8





#31
Cyclohexane
Concen: 133.789 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

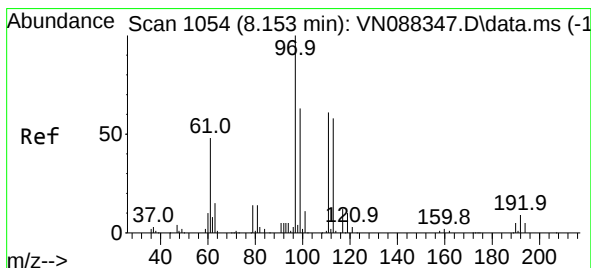
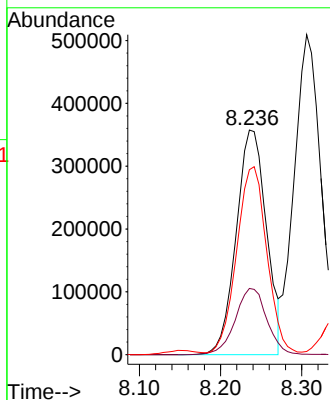
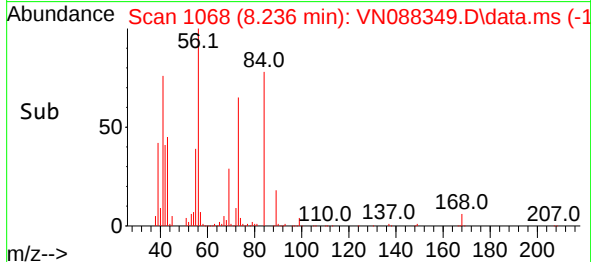
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



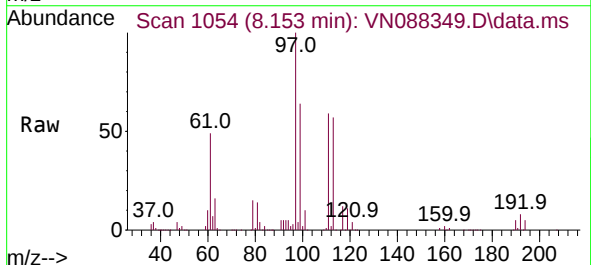
Tgt Ion: 56 Resp: 925517
Ion Ratio Lower Upper
56 100
69 29.5 25.3 37.9
84 80.5 65.4 98.2

Manual Integrations
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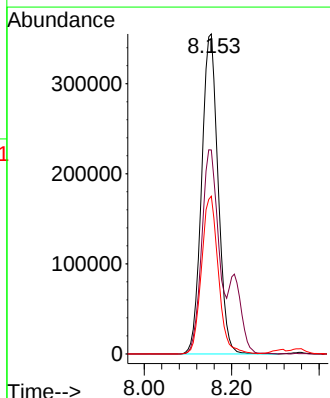
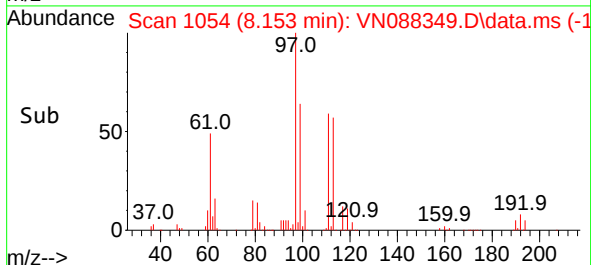
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

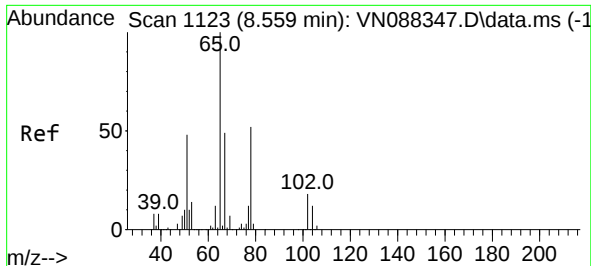


#32
1,1,1-Trichloroethane
Concen: 139.956 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



Tgt Ion: 97 Resp: 920717
Ion Ratio Lower Upper
97 100
99 66.7 50.8 76.2
61 50.7 42.2 63.2





#33

1,2-Dichloroethane-d4

Concen: 159.167 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 65 Resp: 800654

Ion Ratio Lower Upper

65 100

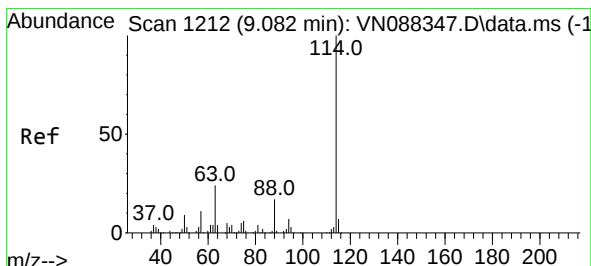
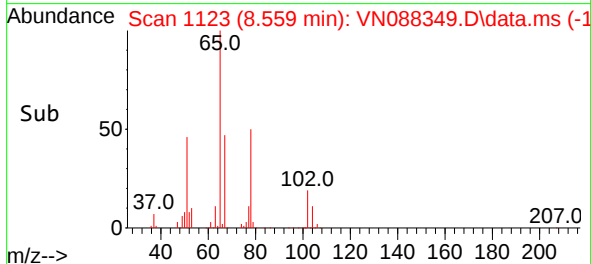
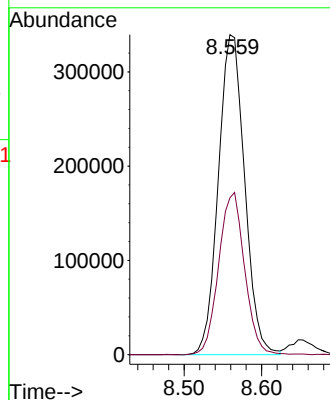
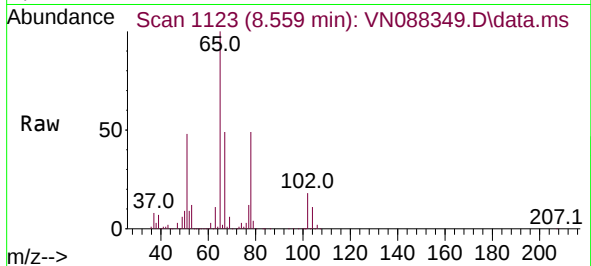
67 49.9 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

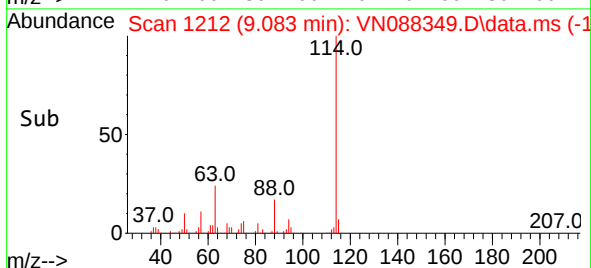
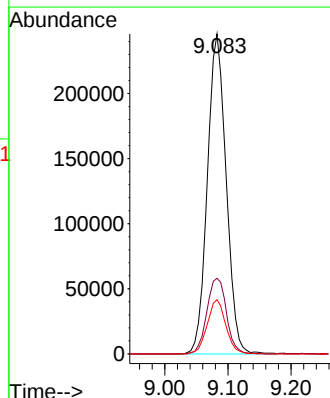
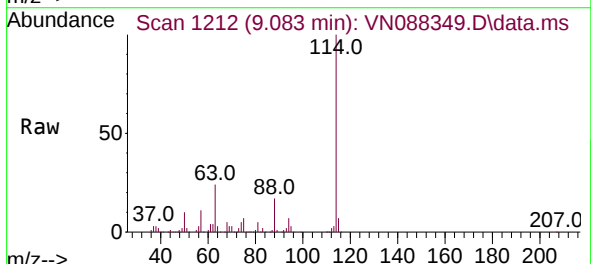
Tgt Ion:114 Resp: 508326

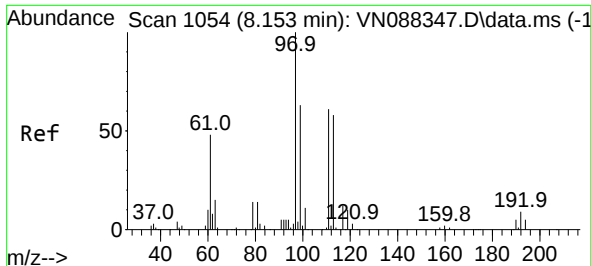
Ion Ratio Lower Upper

114 100

63 23.6 0.0 49.0

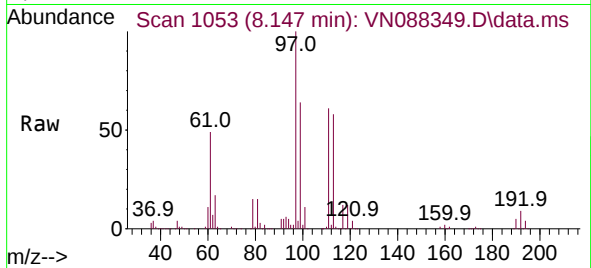
88 16.9 0.0 34.0





#35
Dibromofluoromethane
Concen: 147.513 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

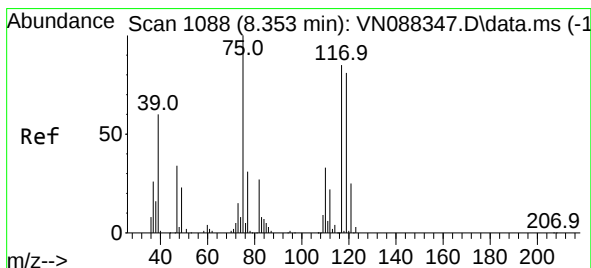
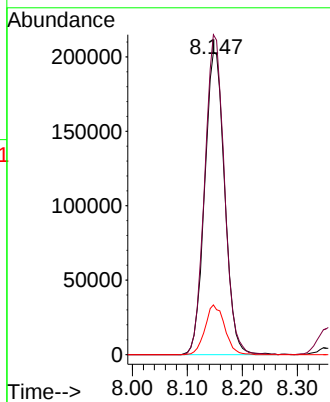
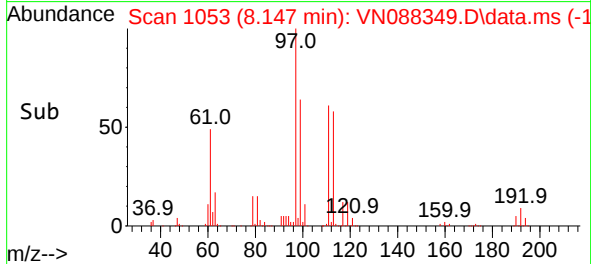
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 113 Resp: 514160
Ion Ratio Lower Upper
113 100
111 103.6 82.5 123.7
192 16.0 12.8 19.2

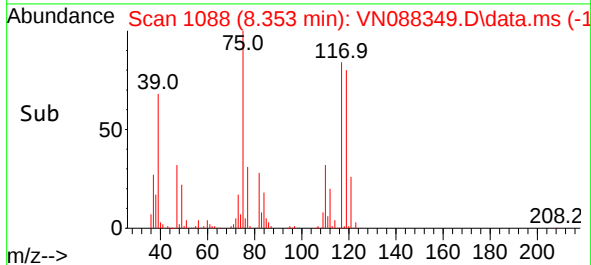
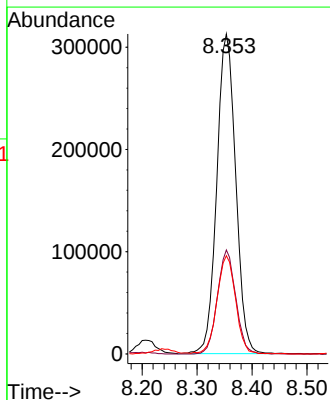
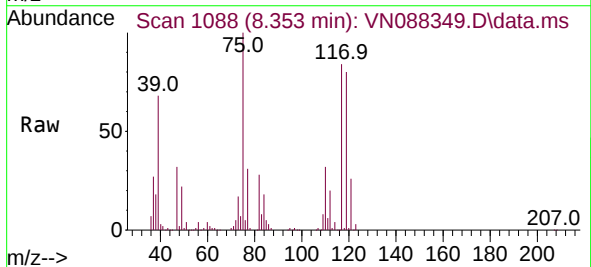
Manual Integrations
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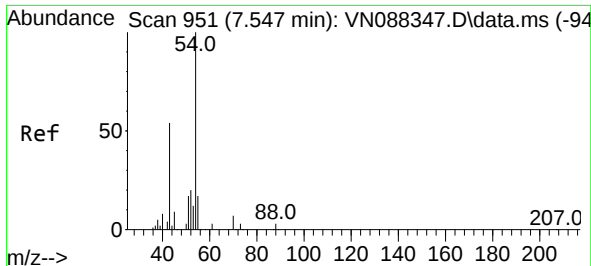
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#36
1,1-Dichloropropene
Concen: 145.584 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

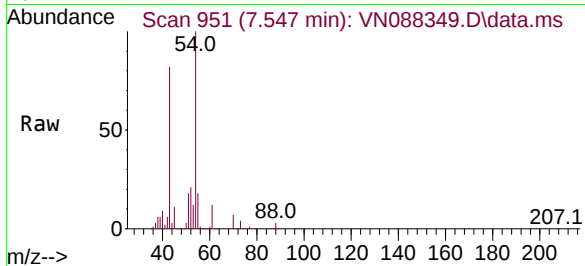
Tgt Ion: 75 Resp: 747080
Ion Ratio Lower Upper
75 100
110 31.4 15.8 47.4
77 30.3 24.2 36.2





#37
Ethyl Acetate
Concen: 152.172 ug/l
RT: 7.547 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

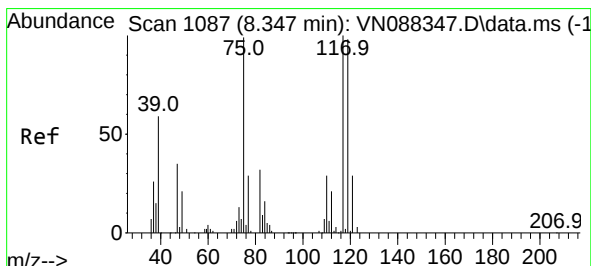
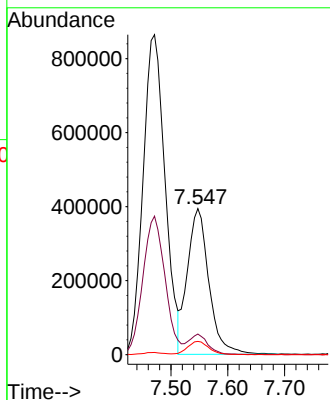
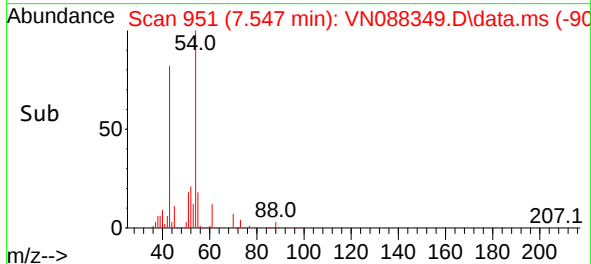
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 1038194
Ion Ratio Lower Upper
43 100
61 12.0 9.5 14.3
70 9.0 7.1 10.7

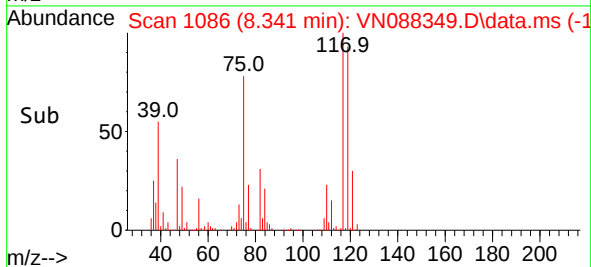
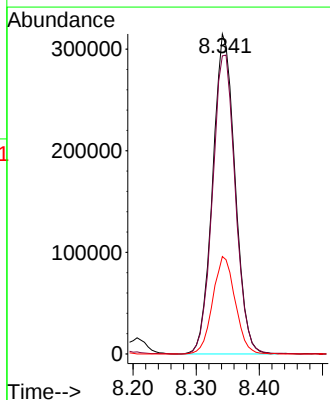
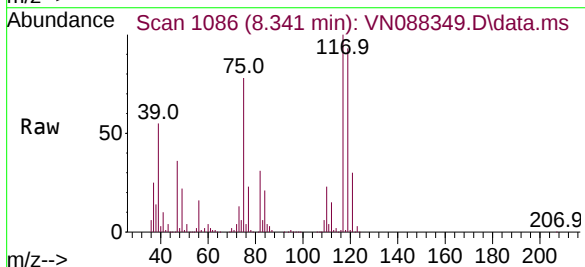
Manual Integrations
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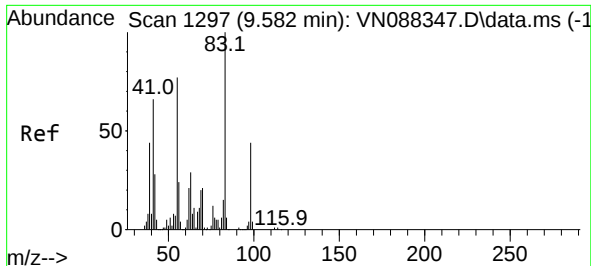
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#38
Carbon Tetrachloride
Concen: 146.756 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.006 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

Tgt Ion:117 Resp: 776182
Ion Ratio Lower Upper
117 100
119 93.1 78.2 117.4
121 30.4 23.4 35.2





#39

Methylcyclohexane

Concen: 133.452 ug/l

RT: 9.583 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 856176

Ion Ratio Lower Upper

83 100

55 80.3 61.6 92.4

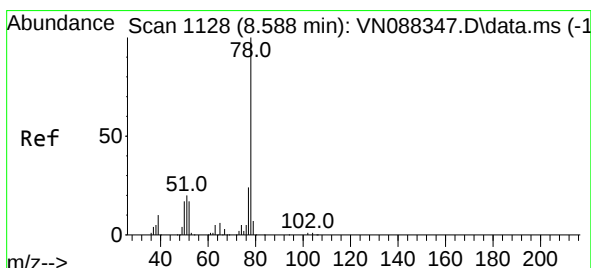
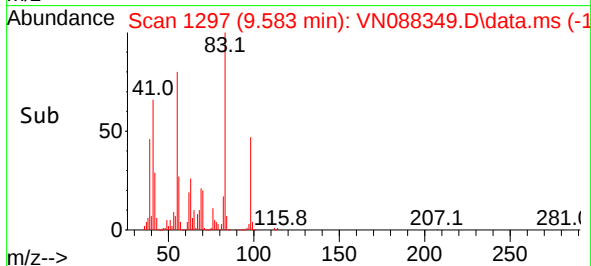
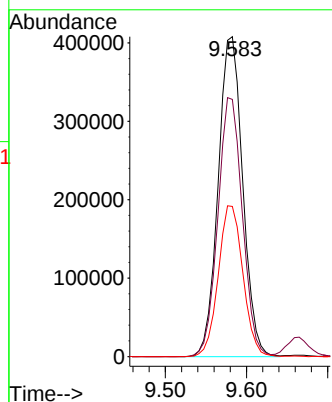
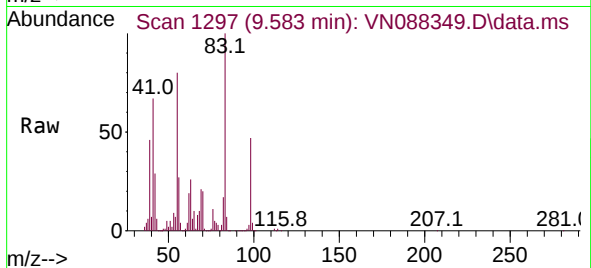
98 46.9 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#40

Benzene

Concen: 142.862 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN088349.D

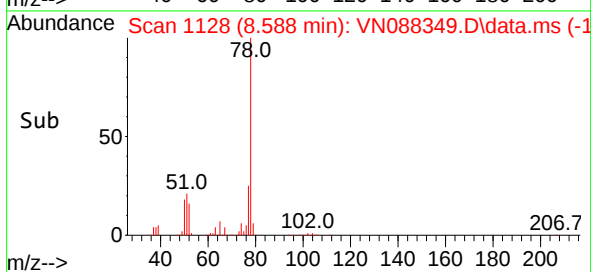
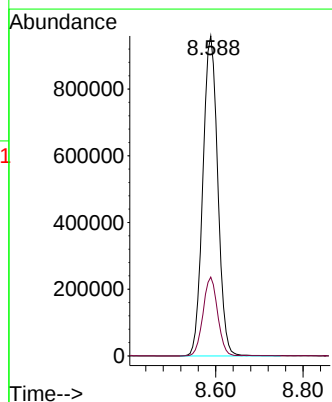
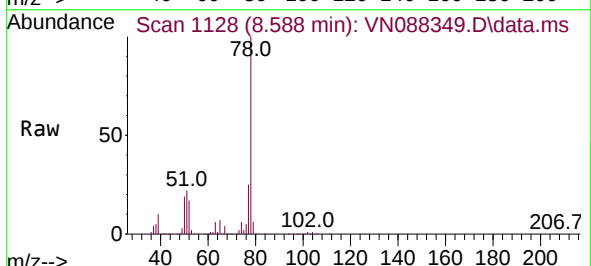
Acq: 24 Nov 2025 14:35

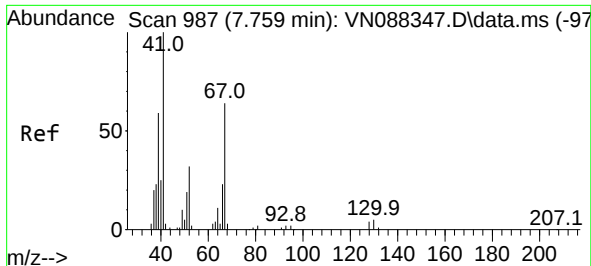
Tgt Ion: 78 Resp: 2252306

Ion Ratio Lower Upper

78 100

77 24.7 19.0 28.4





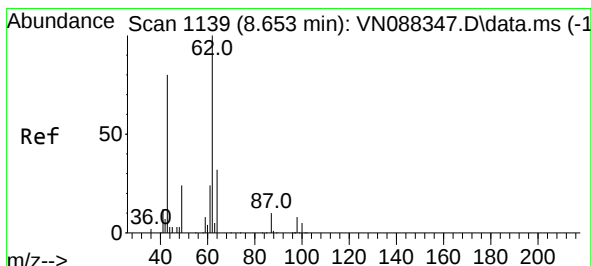
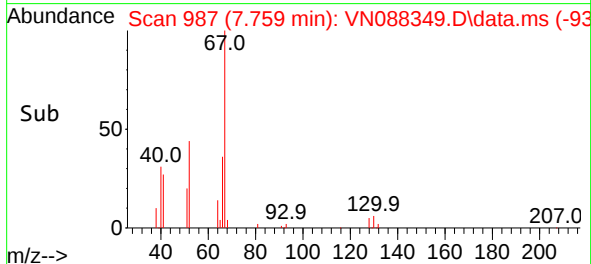
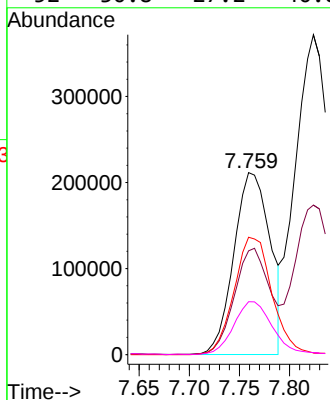
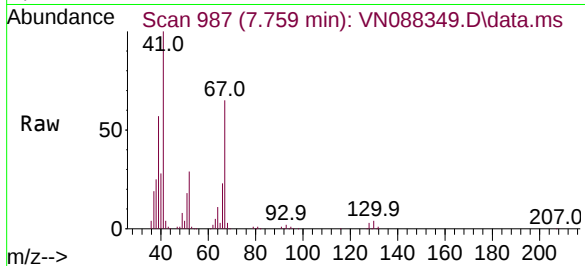
#41
Methacrylonitrile
Concen: 150.887 ug/l
RT: 7.759 min Scan# 987
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 533051
Ion Ratio Lower Upper
41 100
39 56.8 46.3 69.5
67 67.6 54.7 82.1
52 30.8 27.2 40.8

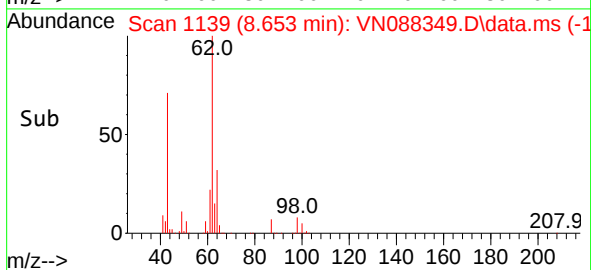
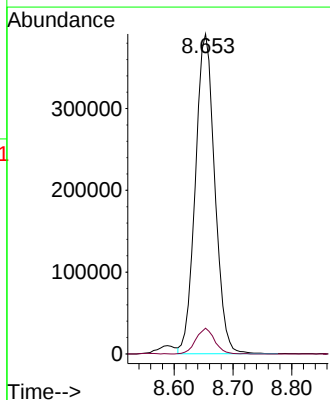
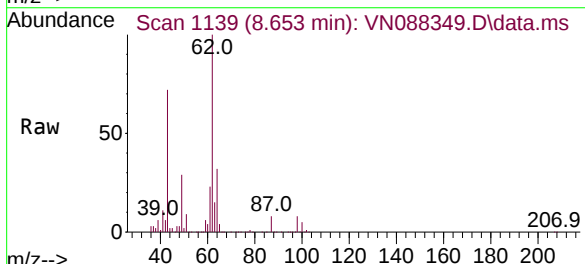
Manual Integrations
APPROVED

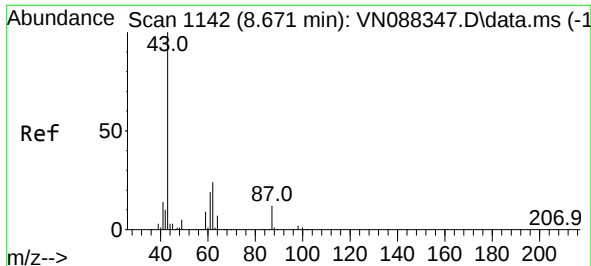
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#42
1,2-Dichloroethane
Concen: 157.152 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

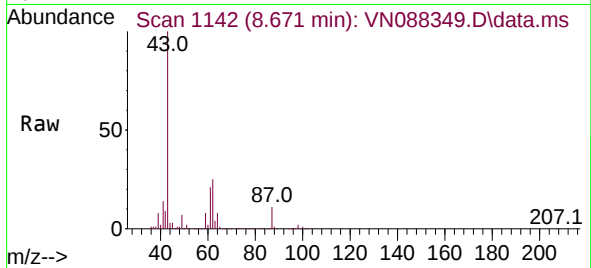
Tgt Ion: 62 Resp: 895667
Ion Ratio Lower Upper
62 100
98 7.7 0.0 16.2





#43
Isopropyl Acetate
Concen: 157.450 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

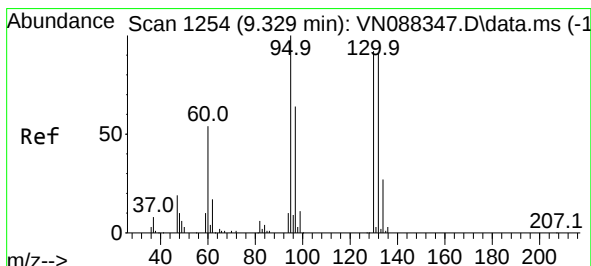
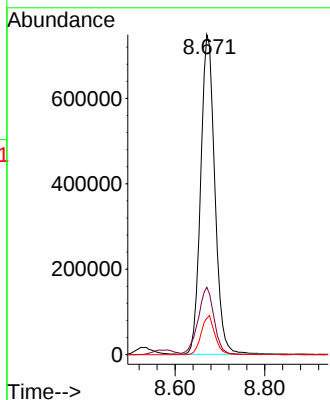
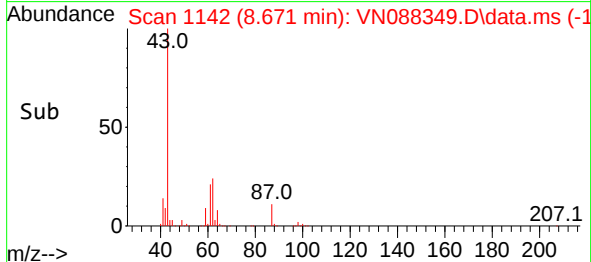
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



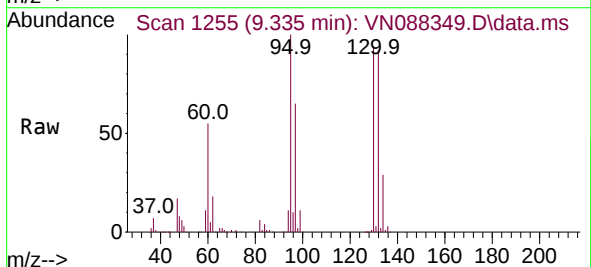
Tgt Ion: 43 Resp: 163831
Ion Ratio Lower Upper
43 100
61 23.7 18.7 28.1
87 11.7 9.1 13.7

Manual Integrations
APPROVED

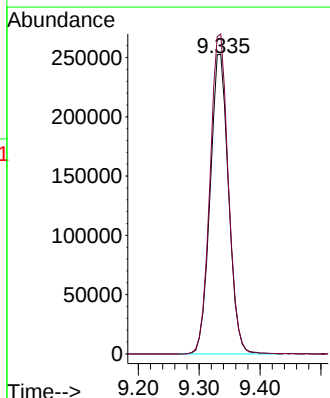
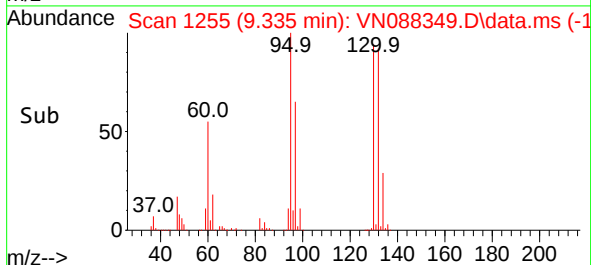
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

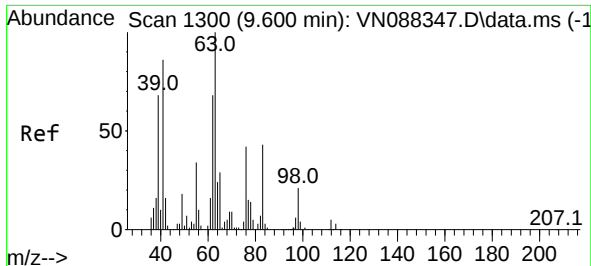


#44
Trichloroethene
Concen: 144.265 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



Tgt Ion:130 Resp: 529981
Ion Ratio Lower Upper
130 100
95 106.9 0.0 217.0





#45

1,2-Dichloropropane

Concen: 145.238 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 581336

Ion Ratio Lower Upper

63 100

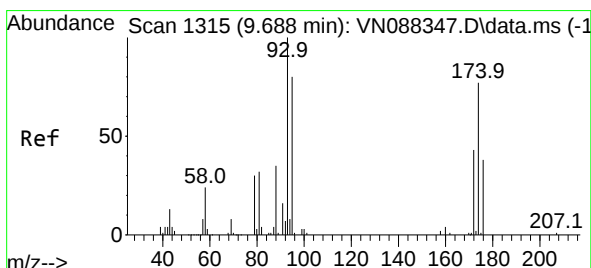
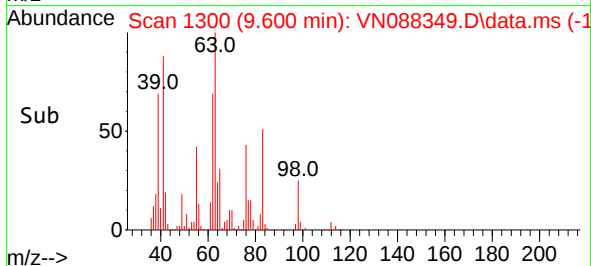
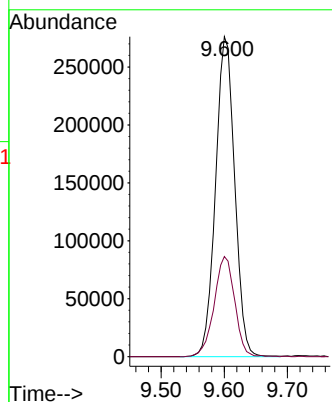
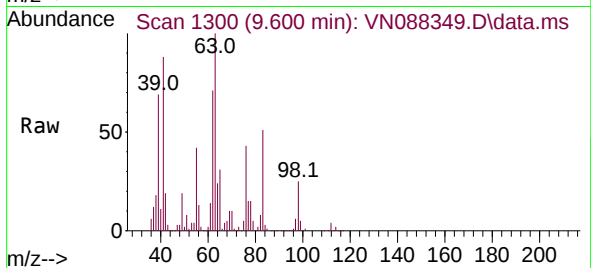
65 31.3 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#46

Dibromomethane

Concen: 147.782 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

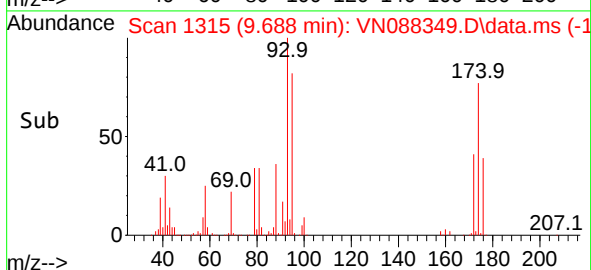
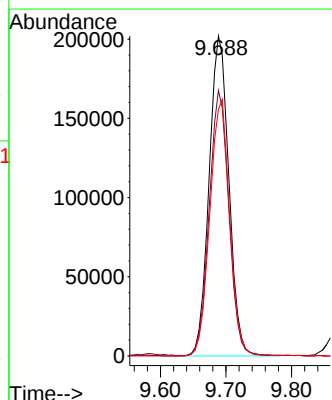
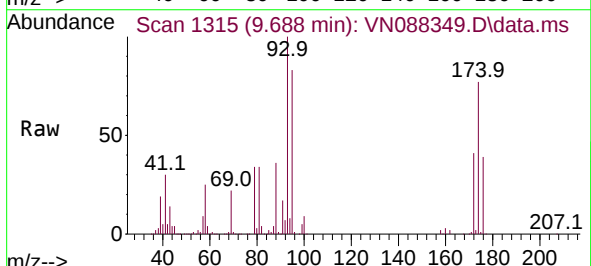
Tgt Ion: 93 Resp: 422737

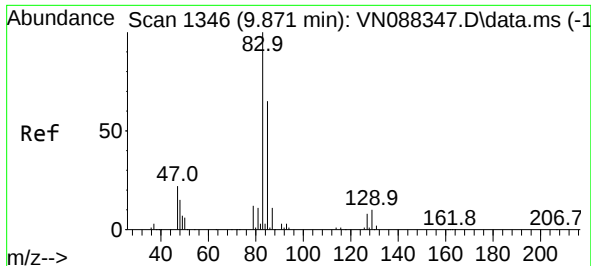
Ion Ratio Lower Upper

93 100

95 82.5 65.8 98.6

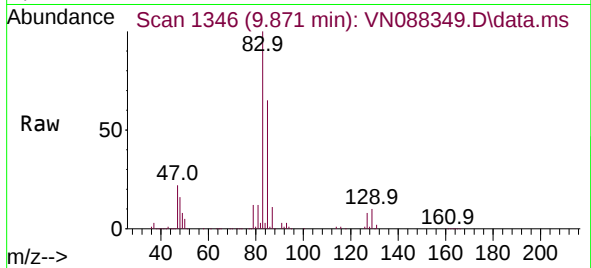
174 80.8 64.3 96.5





#47
Bromodichloromethane
Concen: 150.736 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

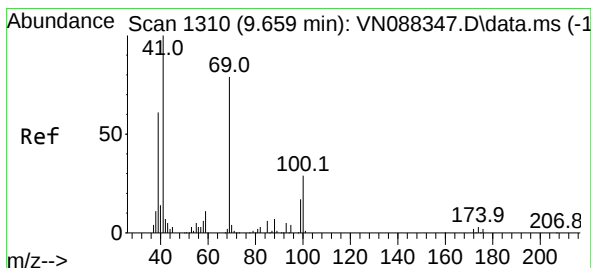
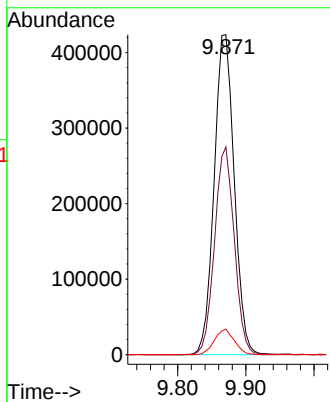
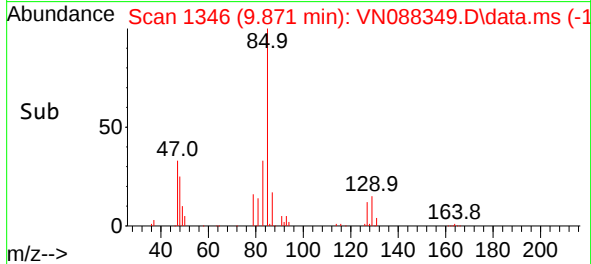
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



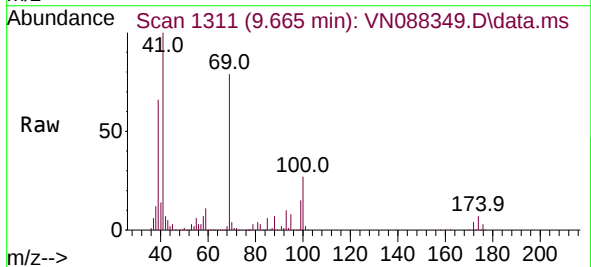
Tgt Ion: 83 Resp: 86363
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9
127 7.9 6.3 9.5

Manual Integrations
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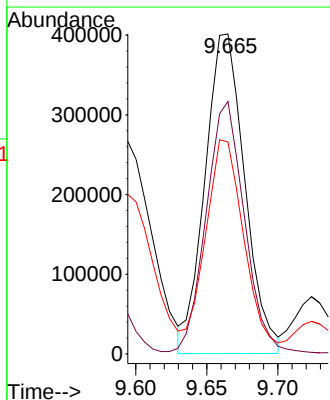
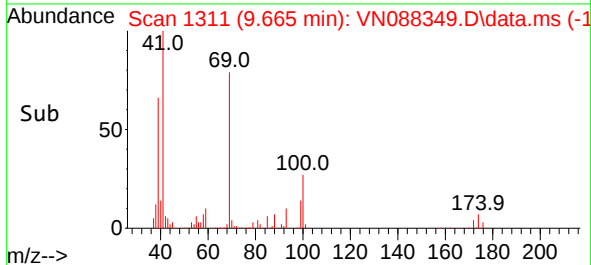
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

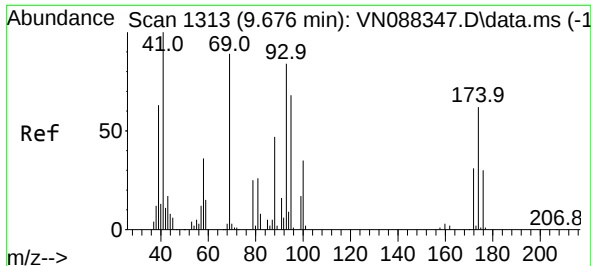


#48
Methyl methacrylate
Concen: 162.758 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



Tgt Ion: 41 Resp: 781838
Ion Ratio Lower Upper
41 100
69 76.6 62.4 93.6
39 65.5 52.6 79.0





#49

1,4-Dioxane

Concen: 3161.388 ug/l

RT: 9.683 min Scan# 1313

Delta R.T. 0.006 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 88 Resp: 191372

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

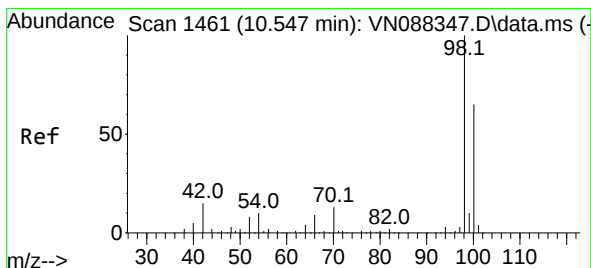
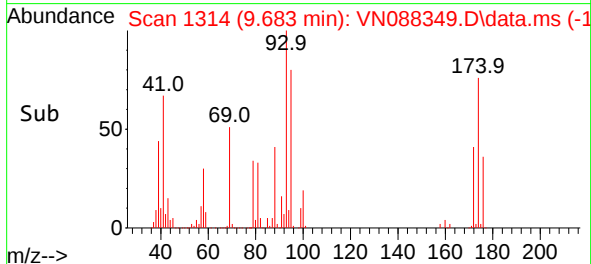
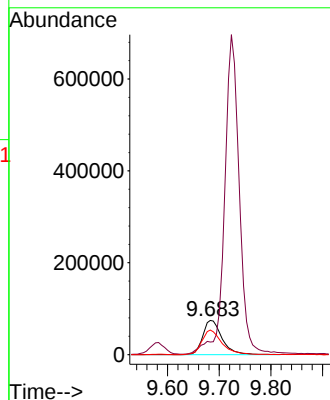
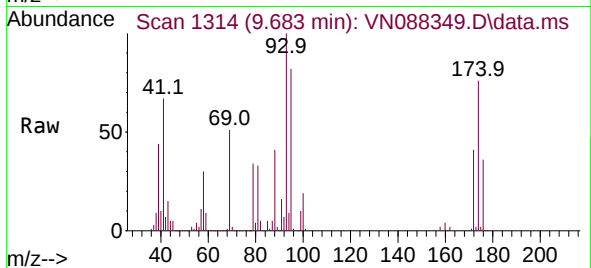
58 75.0 62.0 93.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#50

Toluene-d8

Concen: 150.709 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN088349.D

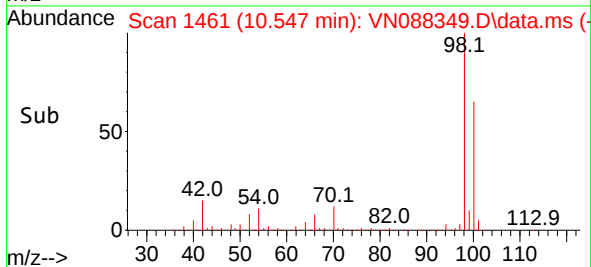
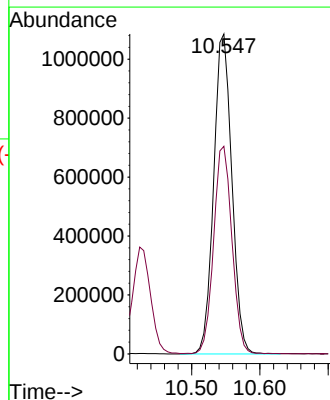
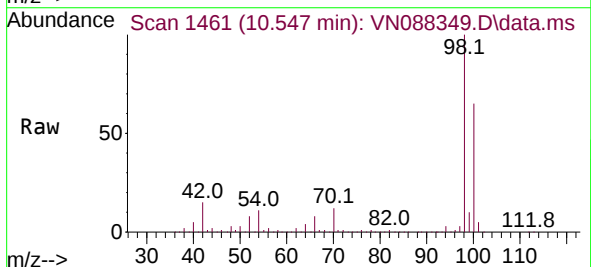
Acq: 24 Nov 2025 14:35

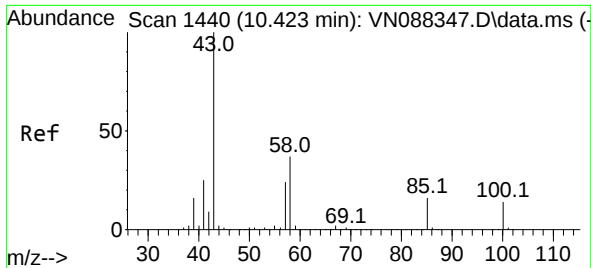
Tgt Ion: 98 Resp: 2002008

Ion Ratio Lower Upper

98 100

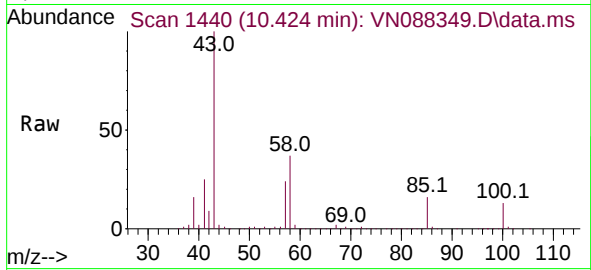
100 65.4 52.2 78.2





#51
4-Methyl-2-Pentanone
Concen: 804.767 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

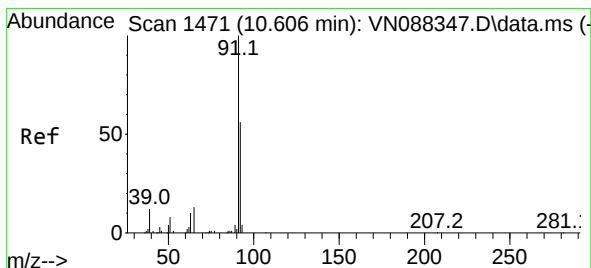
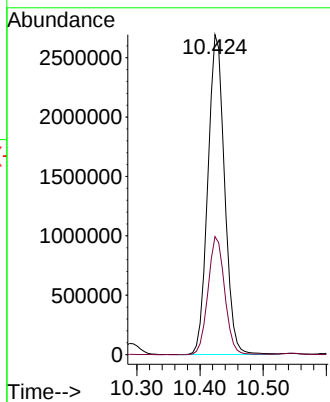
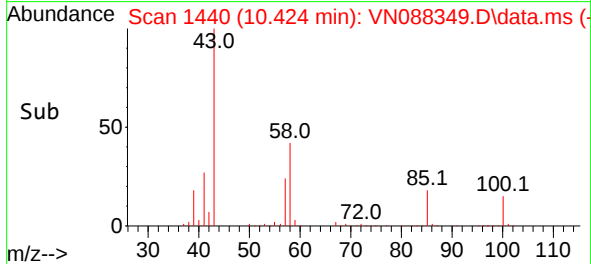
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 4963362
Ion Ratio Lower Upper
43 100
58 36.7 29.1 43.7

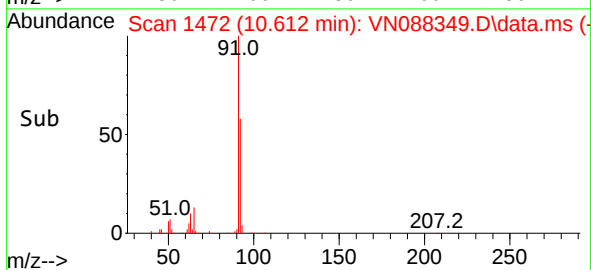
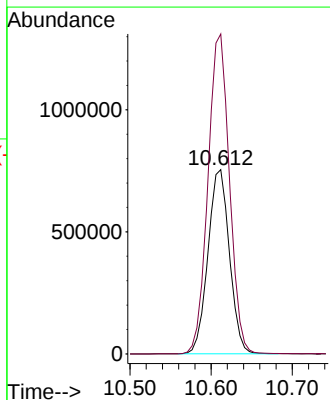
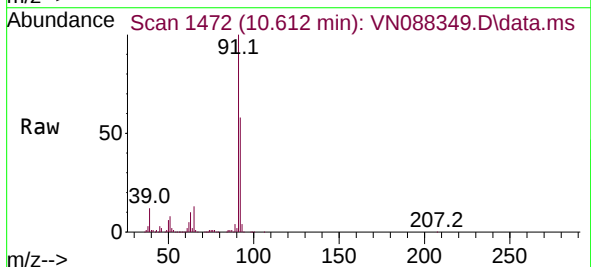
Manual Integrations
APPROVED

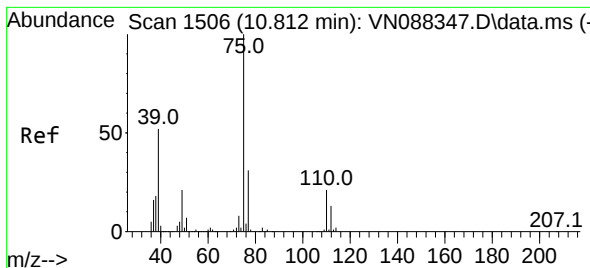
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#52
Toluene
Concen: 144.264 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

Tgt Ion: 92 Resp: 1389323
Ion Ratio Lower Upper
92 100
91 173.8 140.2 210.2





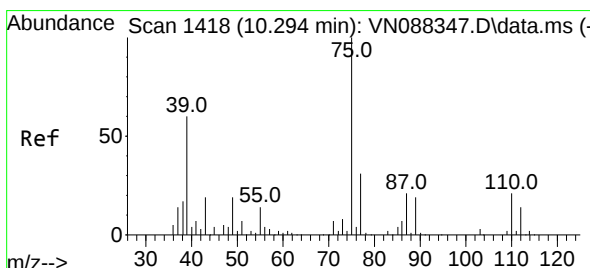
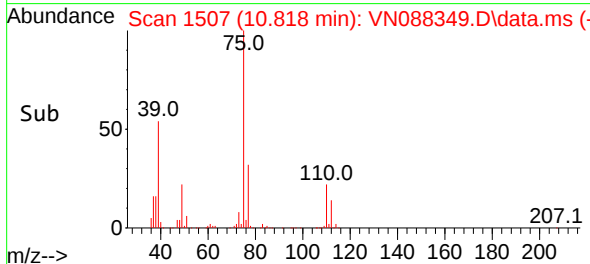
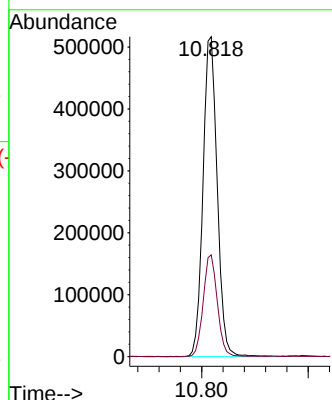
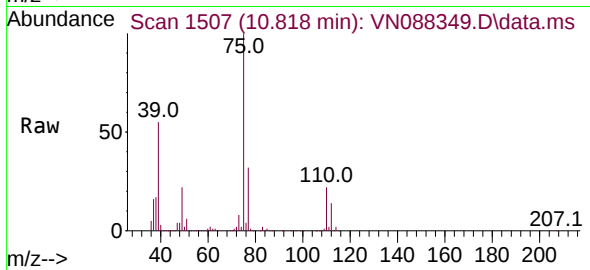
#53
 t-1,3-Dichloropropene
 Concen: 156.732 ug/l
 RT: 10.818 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VN088349.D
 Acq: 24 Nov 2025 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 75 Resp: 953623
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.8 37.2

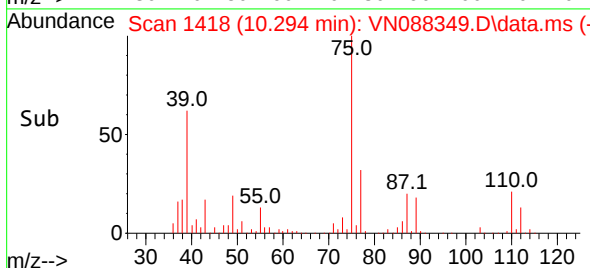
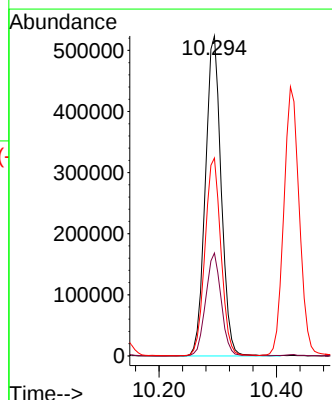
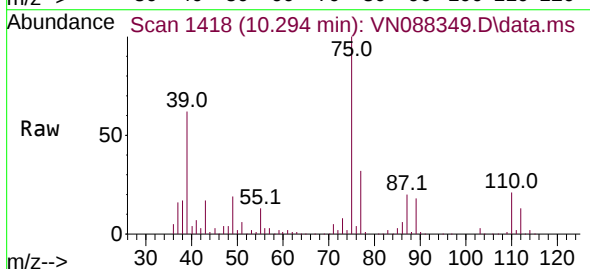
Manual Integrations
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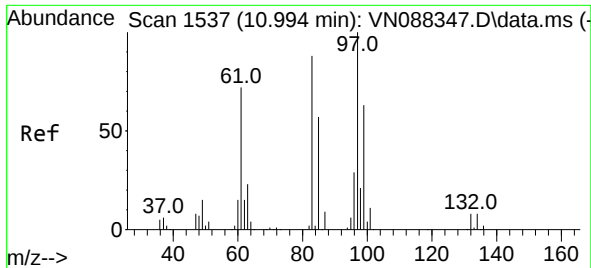
Reviewed By :John Carlone 11/25/2025
 Supervised By :Mahesh Dadoda 11/26/2025



#54
 cis-1,3-Dichloropropene
 Concen: 151.168 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN088349.D
 Acq: 24 Nov 2025 14:35

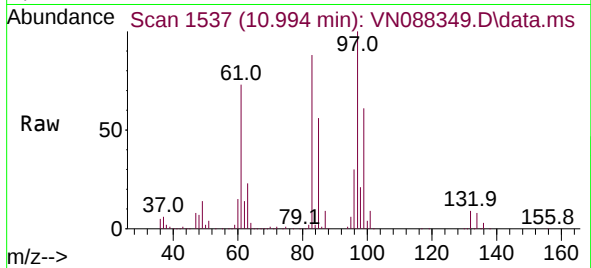
Tgt Ion: 75 Resp: 975877
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.5 36.7
 39 61.7 48.3 72.5





#55
1,1,2-Trichloroethane
Concen: 139.644 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

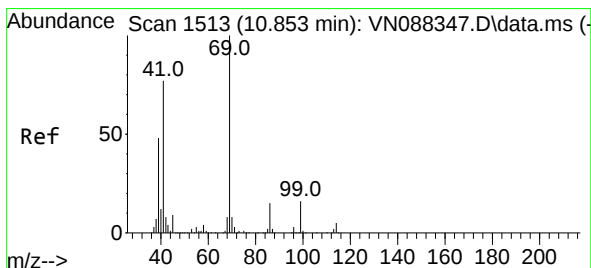
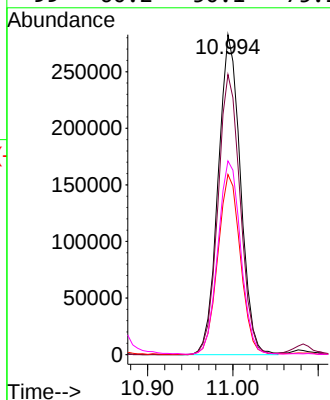
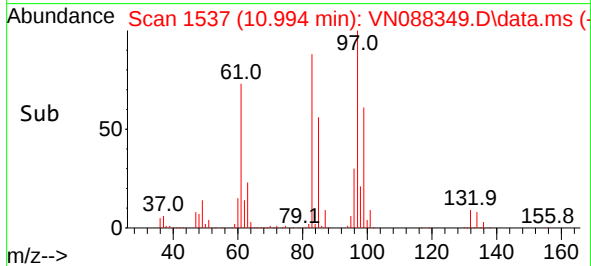
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



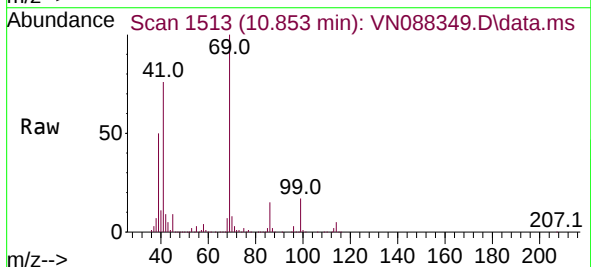
Tgt Ion: 97 Resp: 513073
Ion Ratio Lower Upper
97 100
83 87.5 70.4 105.6
85 56.2 45.4 68.2
99 60.2 50.1 75.1

Manual Integrations
APPROVED

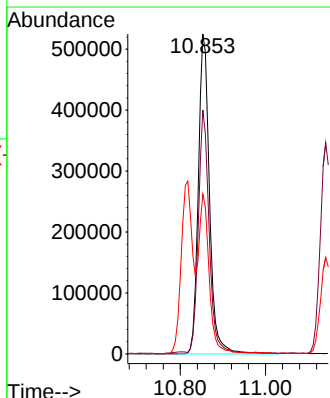
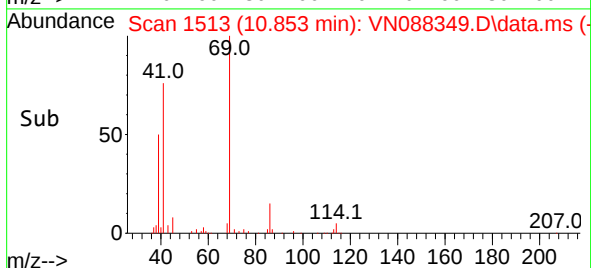
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

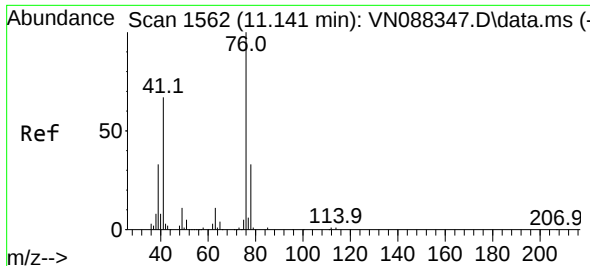


#56
Ethyl methacrylate
Concen: 162.929 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



Tgt Ion: 69 Resp: 954630
Ion Ratio Lower Upper
69 100
41 73.3 59.6 89.4
39 46.1 36.4 54.6





#57

1,3-Dichloropropane

Concen: 146.389 ug/l

RT: 11.141 min Scan# 1562

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 948252

Ion Ratio Lower Upper

76 100

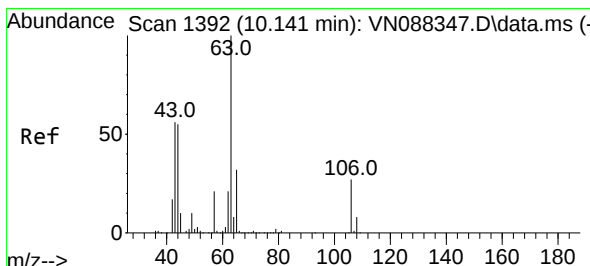
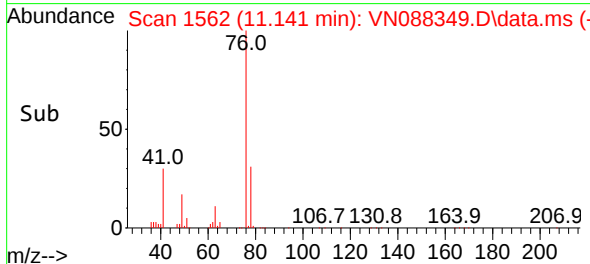
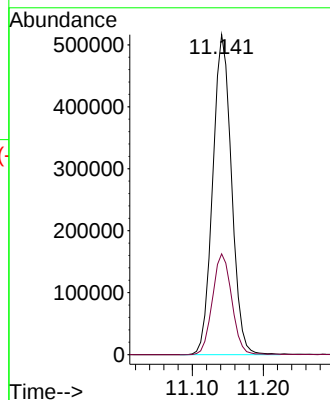
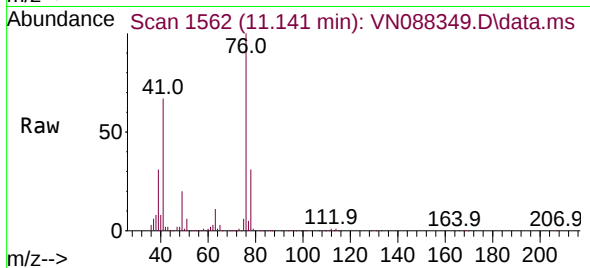
78 32.4 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#58

2-Chloroethyl Vinyl ether

Concen: 735.483 ug/l

RT: 10.141 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VN088349.D

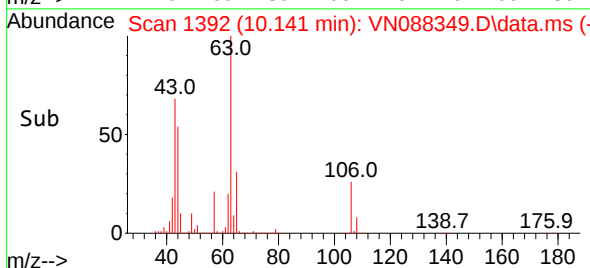
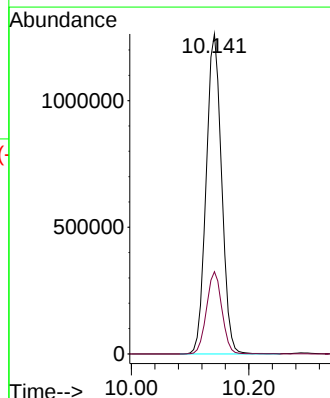
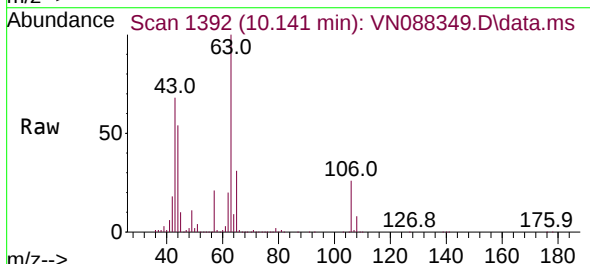
Acq: 24 Nov 2025 14:35

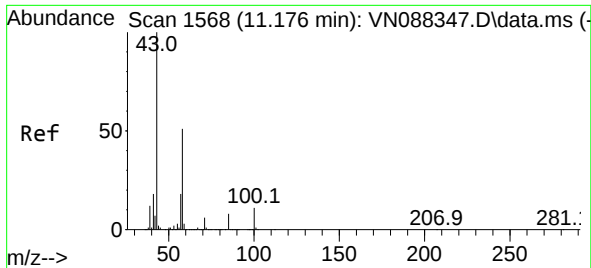
Tgt Ion: 63 Resp: 2298552

Ion Ratio Lower Upper

63 100

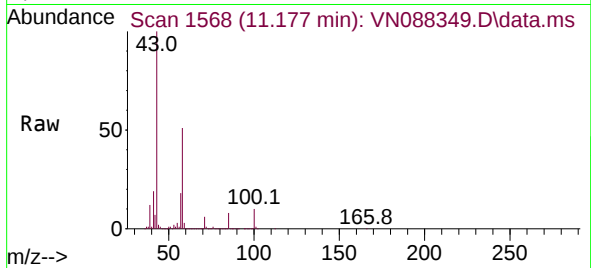
106 25.6 20.5 30.7





#59
2-Hexanone
Concen: 845.082 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

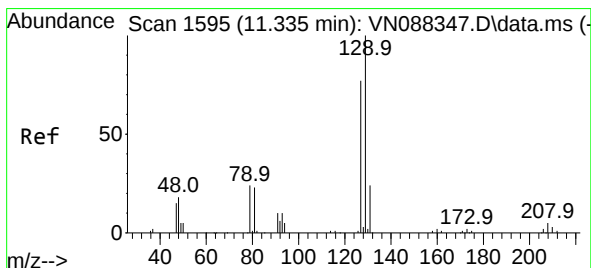
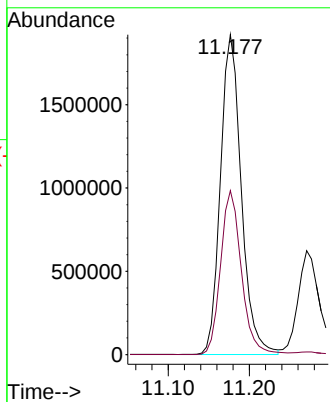
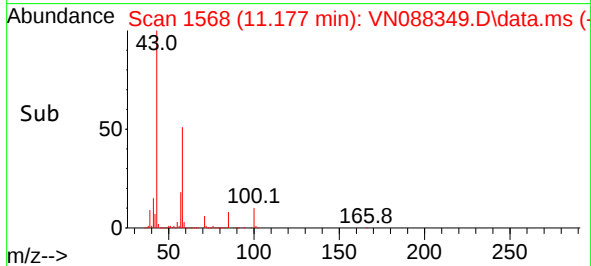
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



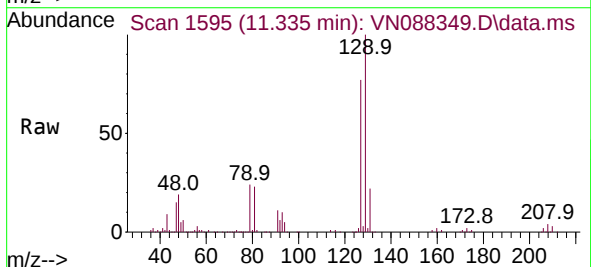
Tgt Ion: 43 Resp: 3427514
Ion Ratio Lower Upper
43 100
58 51.1 25.3 75.9

Manual Integrations
APPROVED

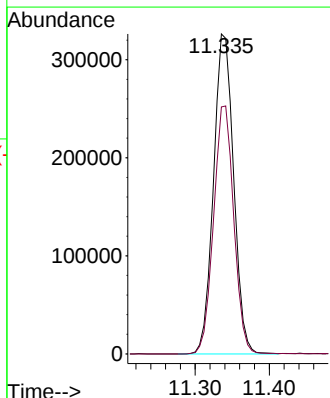
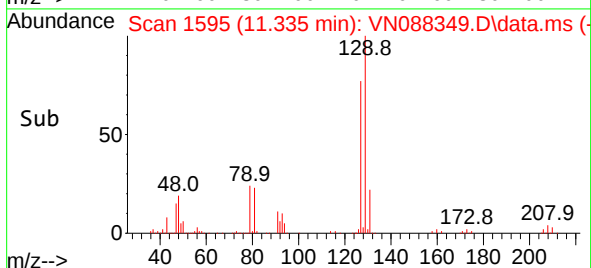
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

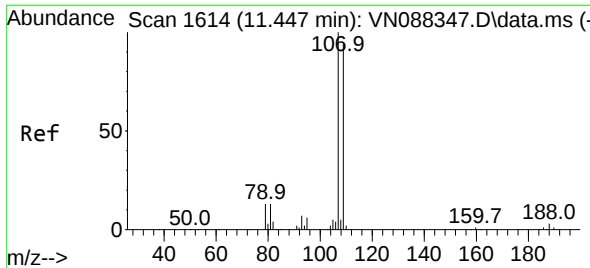


#60
Dibromochloromethane
Concen: 147.332 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



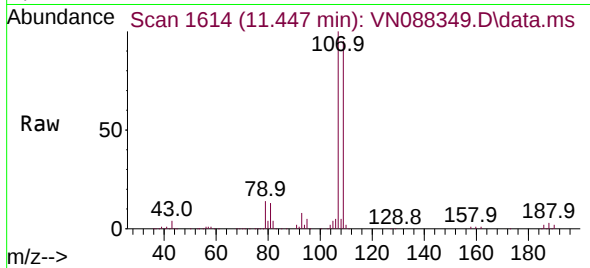
Tgt Ion:129 Resp: 615359
Ion Ratio Lower Upper
129 100
127 77.9 38.2 114.6





#61
1,2-Dibromoethane
Concen: 144.568 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

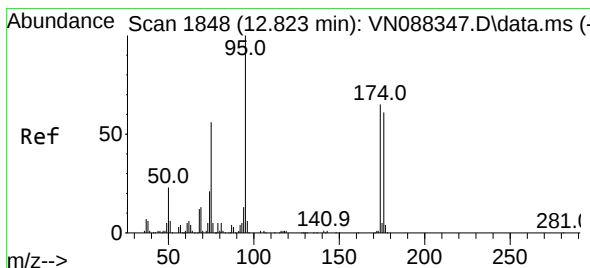
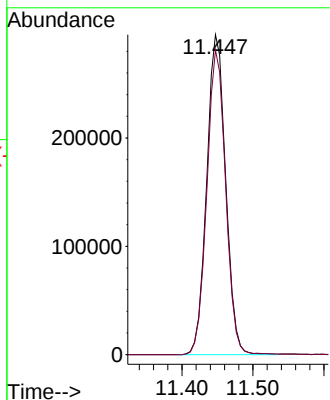
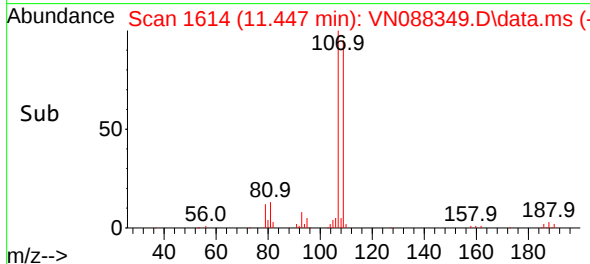
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



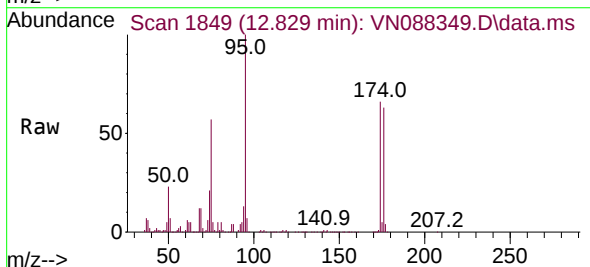
Tgt Ion:107 Resp: 548222
Ion Ratio Lower Upper
107 100
109 94.2 74.6 112.0

Manual Integrations
APPROVED

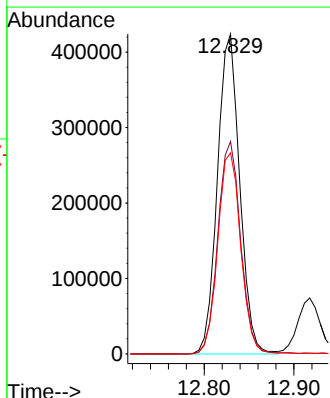
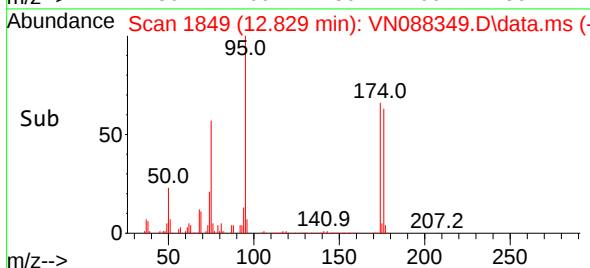
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

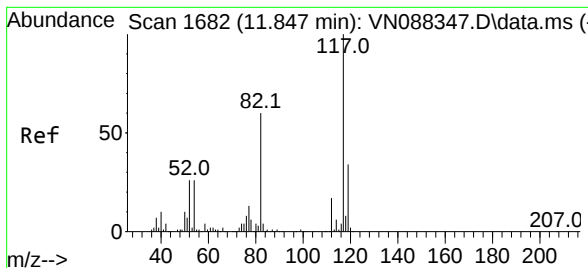


#62
4-Bromofluorobenzene
Concen: 157.441 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



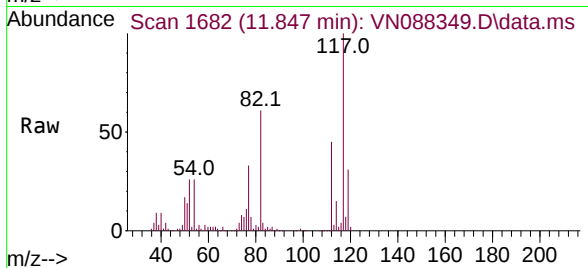
Tgt Ion: 95 Resp: 734676
Ion Ratio Lower Upper
95 100
174 67.6 0.0 139.0
176 64.9 0.0 132.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

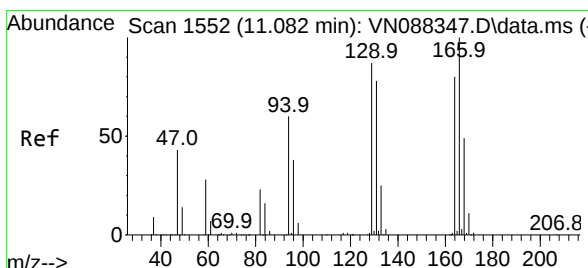
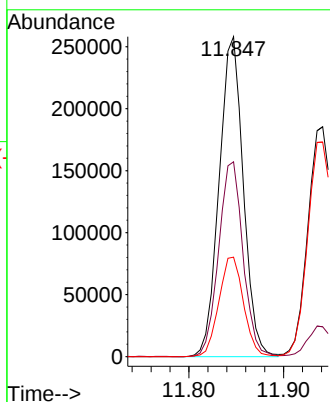
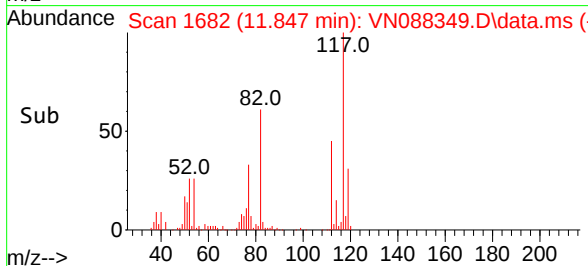
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion:117 Resp: 45744
Ion Ratio Lower Upper
117 100
82 60.9 47.8 71.8
119 31.1 26.9 40.3

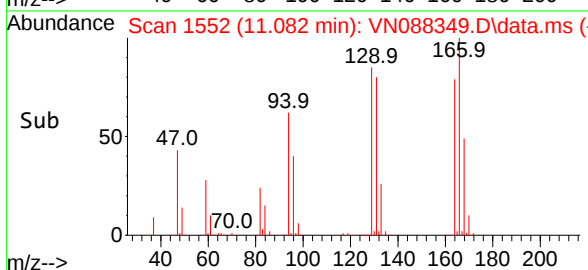
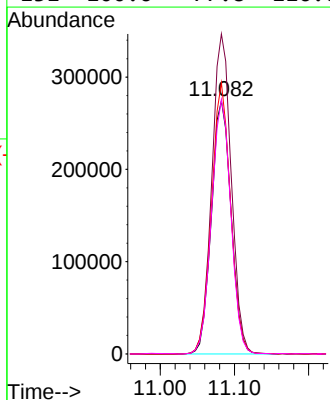
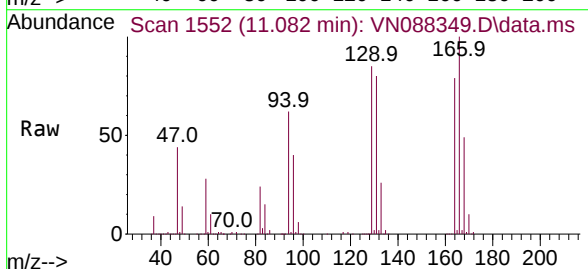
Manual Integrations
APPROVED

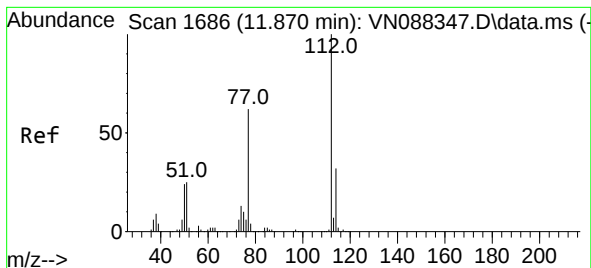
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#64
Tetrachloroethene
Concen: 157.444 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

Tgt Ion:164 Resp: 503663
Ion Ratio Lower Upper
164 100
166 126.5 99.6 149.4
129 107.3 86.6 129.8
131 100.6 77.8 116.6





#65

Chlorobenzene

Concen: 137.978 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 146789

Ion Ratio Lower Upper

112 100

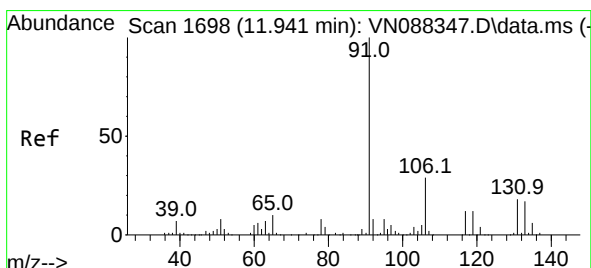
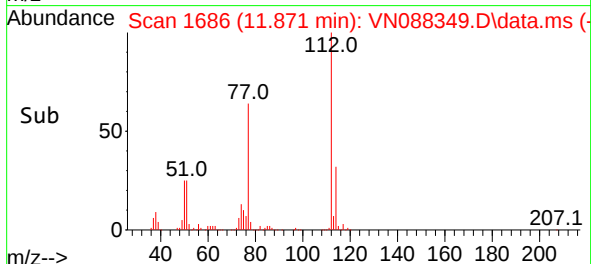
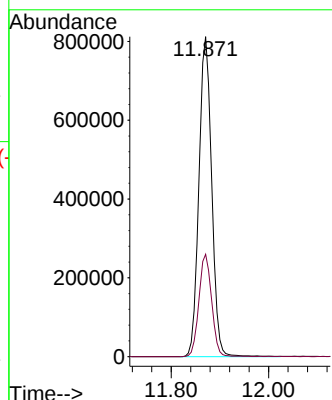
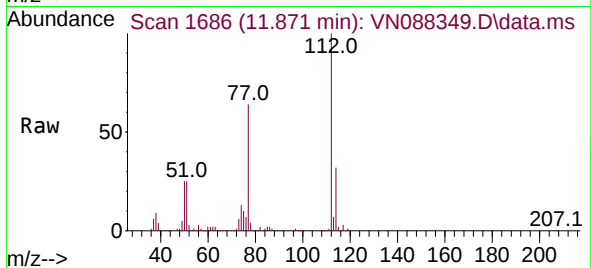
114 32.0 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 140.800 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

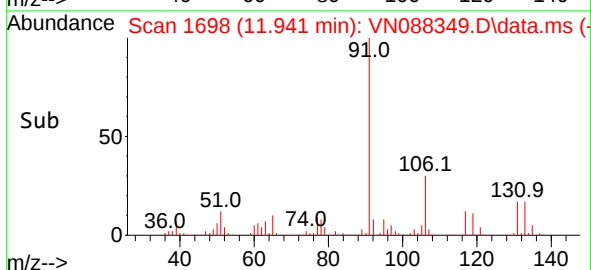
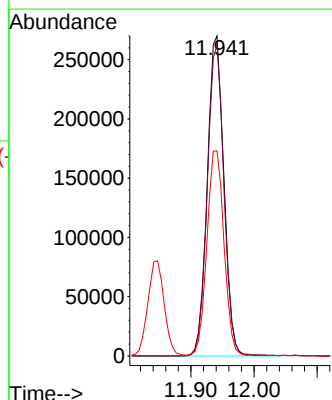
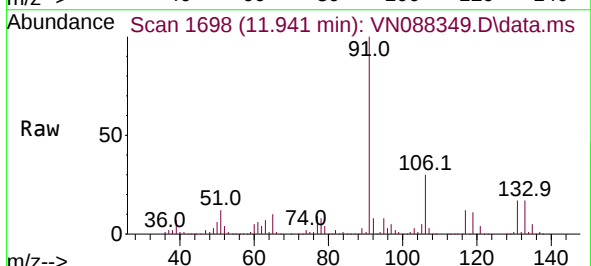
Tgt Ion:131 Resp: 494738

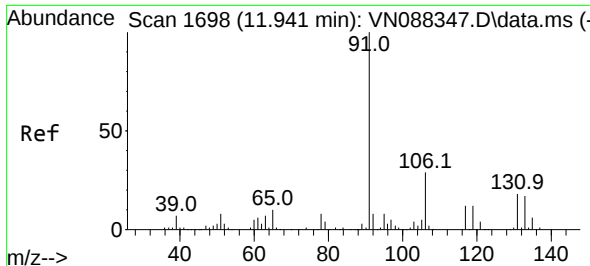
Ion Ratio Lower Upper

131 100

133 96.6 47.4 142.2

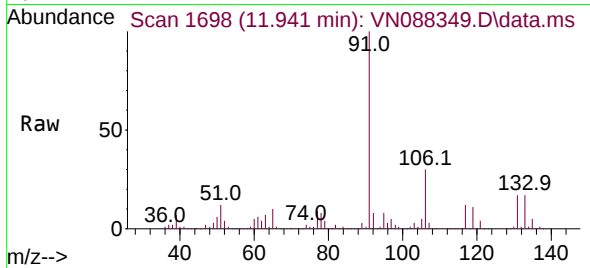
119 65.9 33.4 100.1





#67
Ethyl Benzene
Concen: 143.490 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

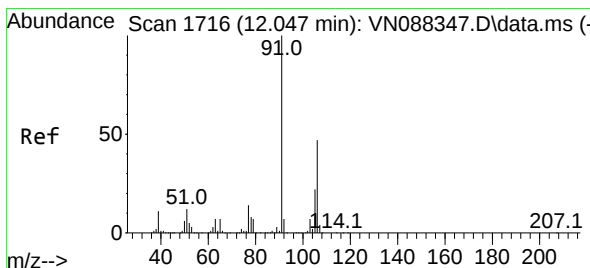
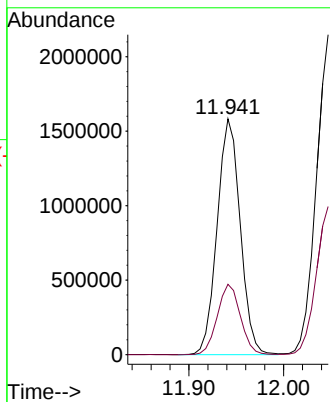
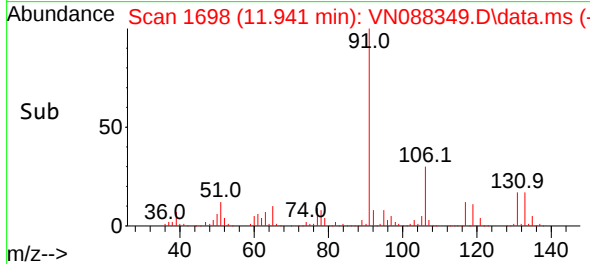
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



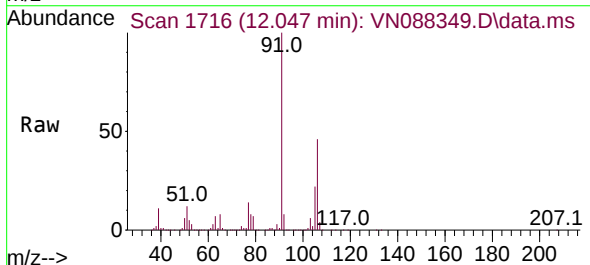
Tgt Ion: 91 Resp: 2679329
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

Manual Integrations
APPROVED

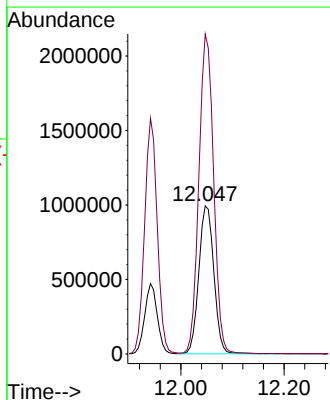
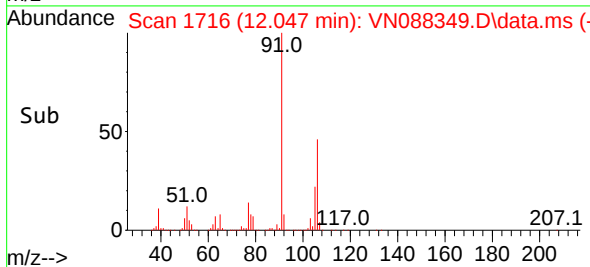
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

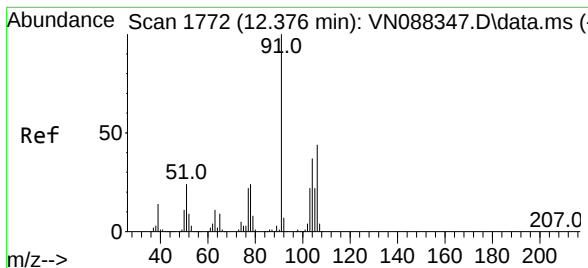


#68
m/p-Xylenes
Concen: 286.370 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



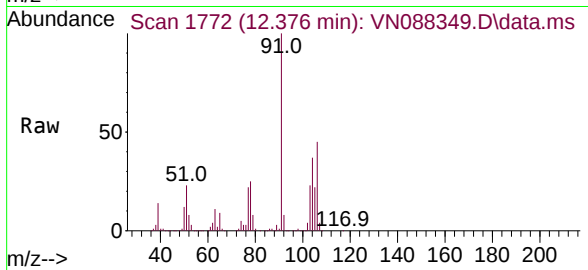
Tgt Ion:106 Resp: 1999338
Ion Ratio Lower Upper
106 100
91 212.5 167.8 251.6





#69
o-Xylene
Concen: 146.823 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

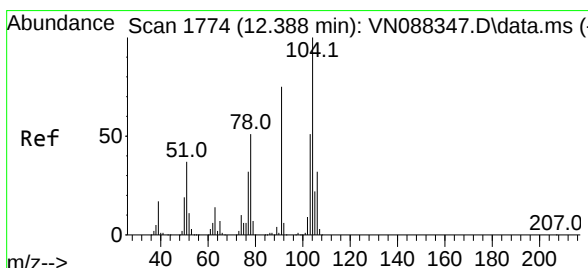
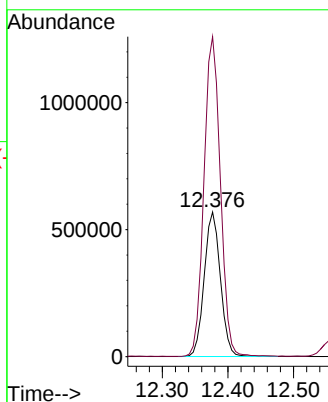
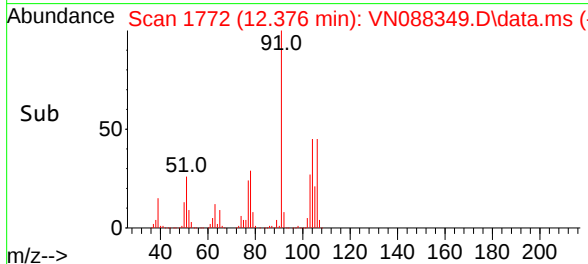
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion:106 Resp: 971419
Ion Ratio Lower Upper
106 100
91 224.7 112.9 338.7

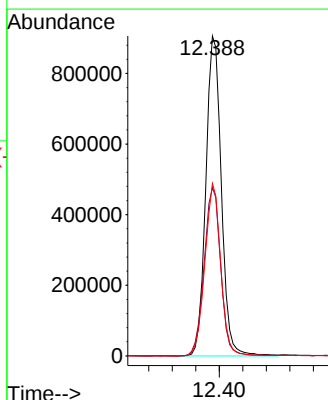
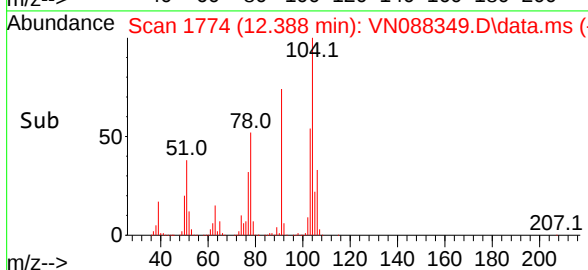
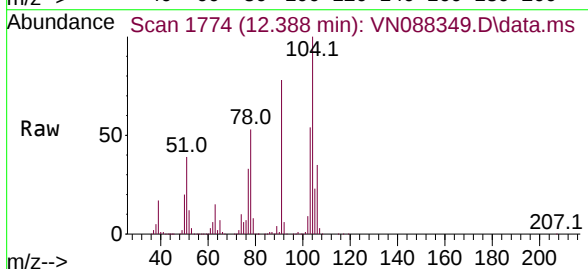
Manual Integrations
APPROVED

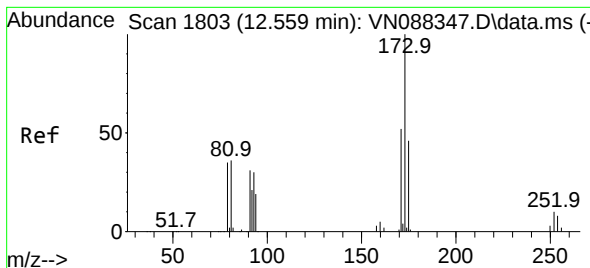
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#70
Styrene
Concen: 153.203 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

Tgt Ion:104 Resp: 1660474
Ion Ratio Lower Upper
104 100
78 56.3 44.3 66.5
103 55.3 44.2 66.4





#71

Bromoform

Concen: 154.550 ug/l

RT: 12.559 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

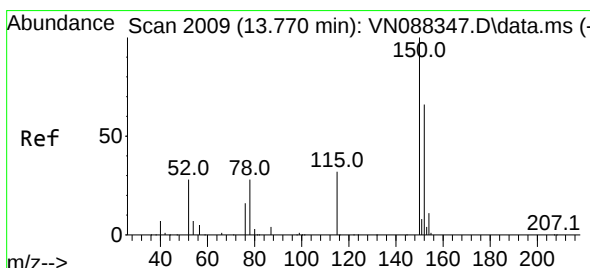
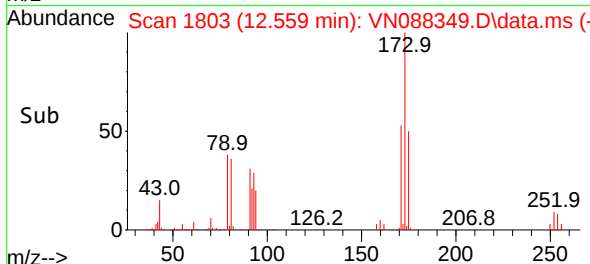
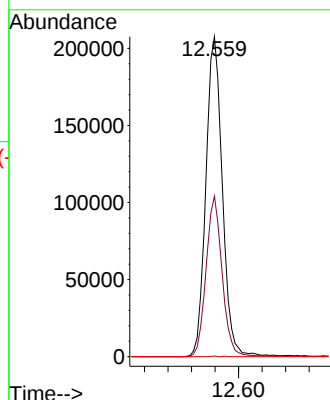
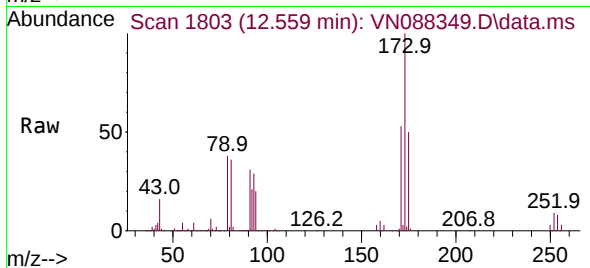
Tgt Ion:	173	Resp:	404703
Ion Ratio	Lower	Upper	
173	100		
175	48.8	23.9	71.8
254	0.0	0.1	0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

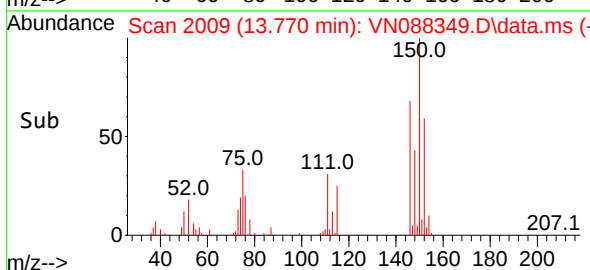
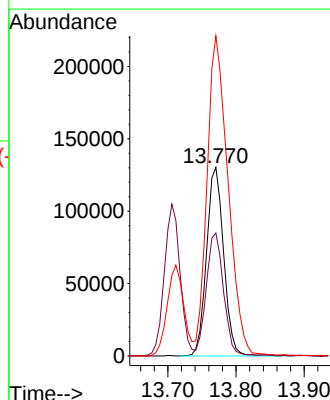
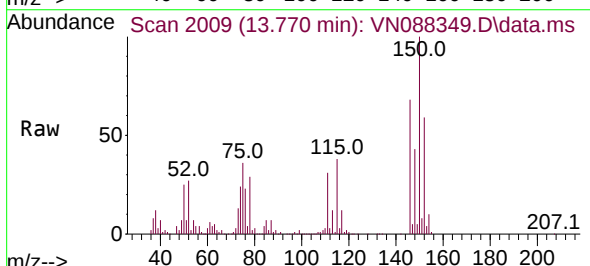
RT: 13.770 min Scan# 2009

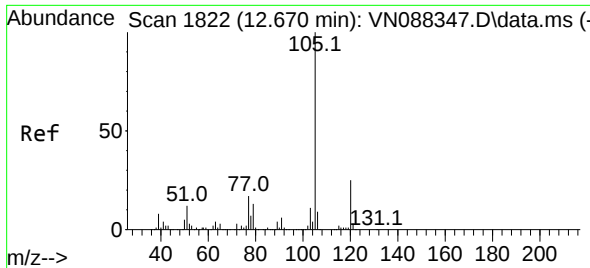
Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

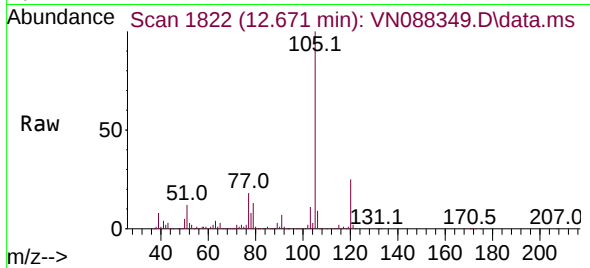
Tgt Ion:	152	Resp:	226673
Ion Ratio	Lower	Upper	
152	100		
115	64.3	33.0	98.9
150	207.5	0.0	349.0





#73
Isopropylbenzene
Concen: 141.411 ug/l
RT: 12.671 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

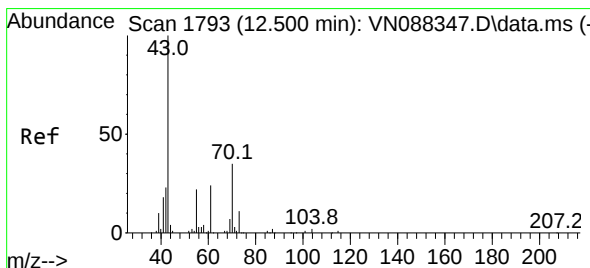
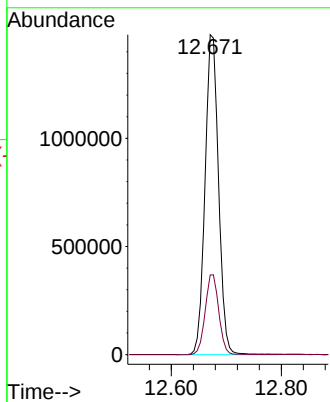
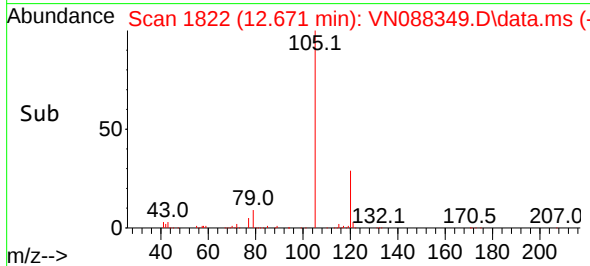
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



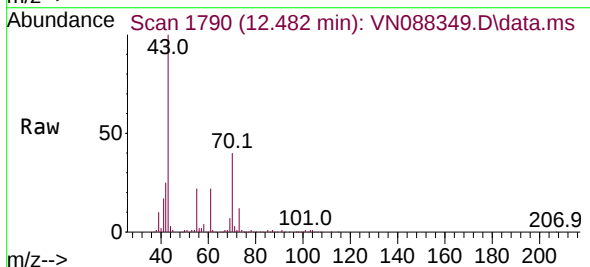
Tgt Ion:105 Resp: 2520465
Ion Ratio Lower Upper
105 100
120 25.1 12.8 38.3

Manual Integrations
APPROVED

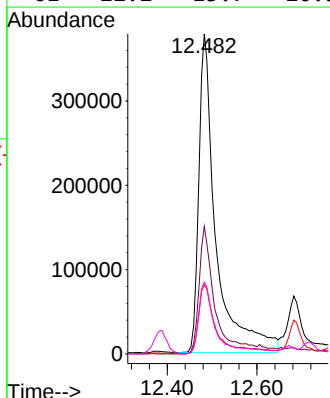
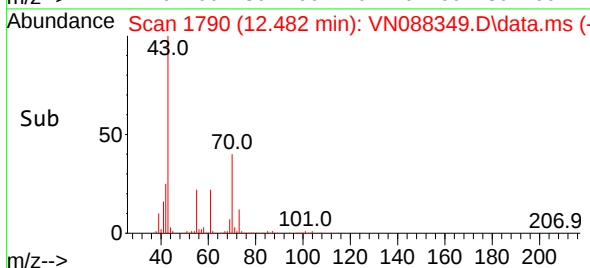
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

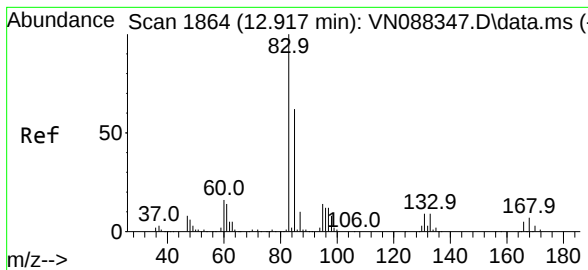


#74
N-ethyl acetate
Concen: 198.228 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.017 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



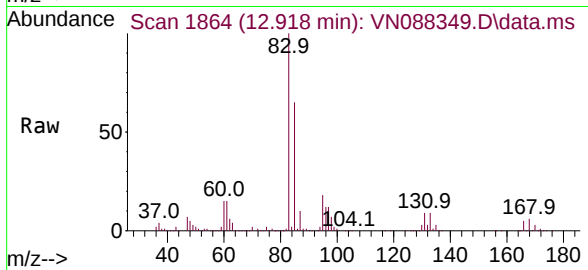
Tgt Ion: 43 Resp: 1006304
Ion Ratio Lower Upper
43 100
70 36.6 28.3 42.5
55 19.8 17.7 26.5
61 22.2 13.7 20.5#





#75
1,1,2,2-Tetrachloroethane
Concen: 132.074 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

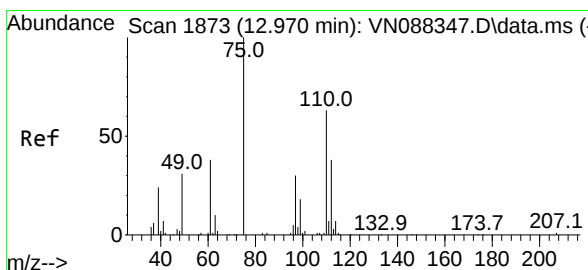
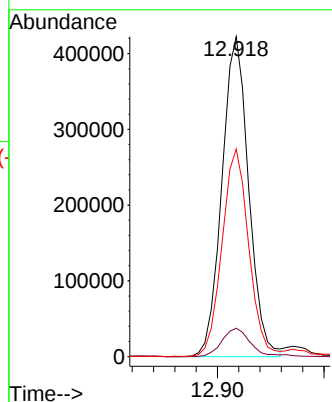
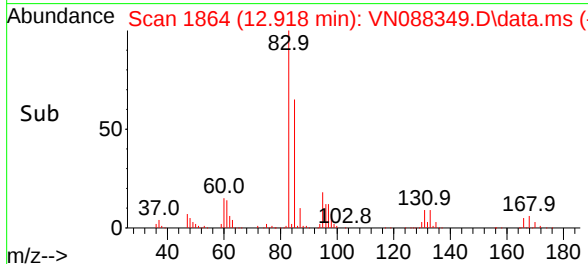
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



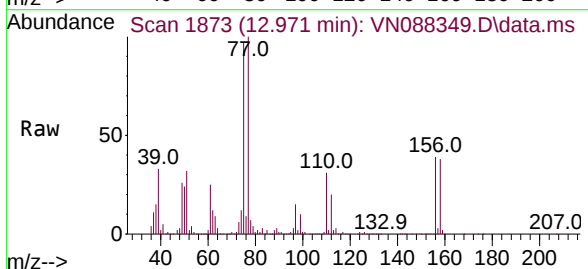
Tgt Ion: 83 Resp: 735899
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.4
85 64.7 32.1 96.5

Manual Integrations
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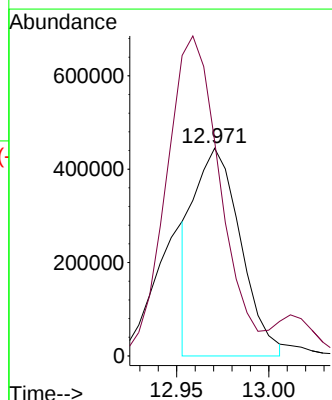
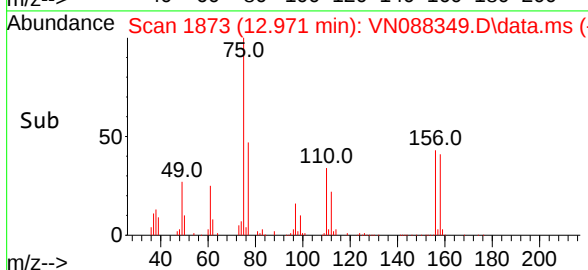
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

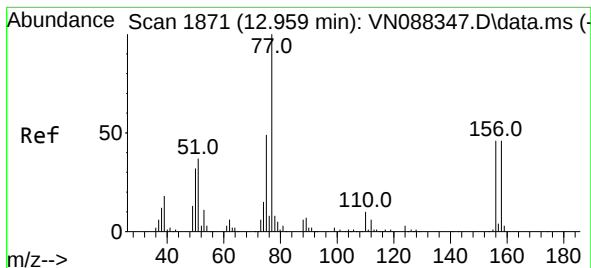


#76
1,2,3-Trichloropropane
Concen: 144.533 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



Tgt Ion: 75 Resp: 778772
Ion Ratio Lower Upper
75 100
77 178.6 87.2 261.6





#77

Bromobenzene

Concen: 142.170 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:156 Resp: 554789

Ion Ratio Lower Upper

156 100

77 250.8 121.6 364.7

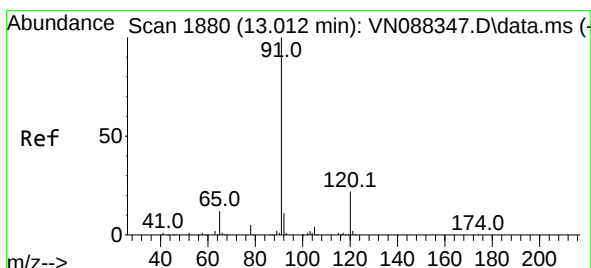
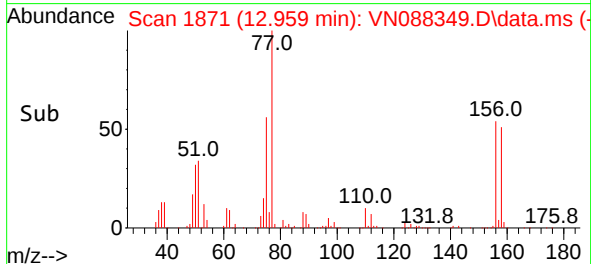
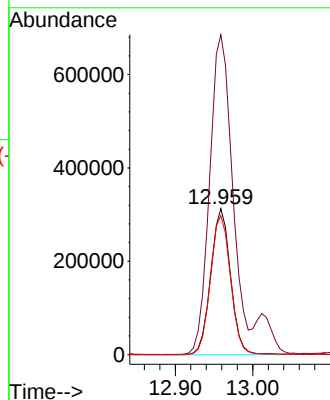
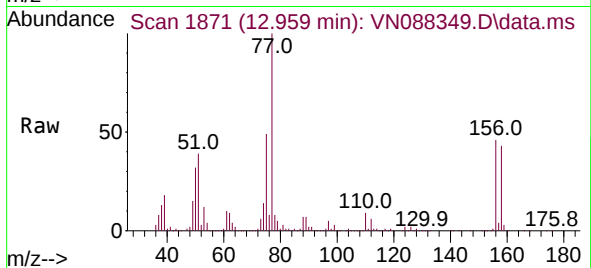
158 96.5 48.6 145.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#78

n-propylbenzene

Concen: 140.752 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. 0.000 min

Lab File: VN088349.D

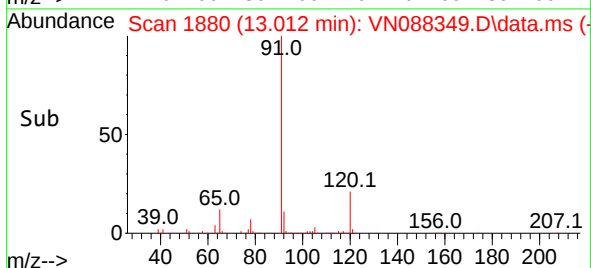
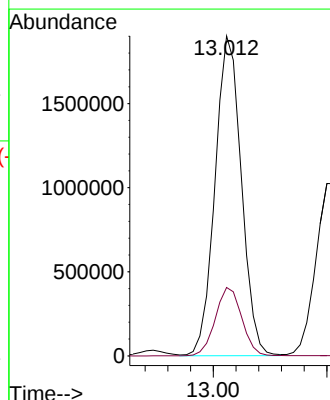
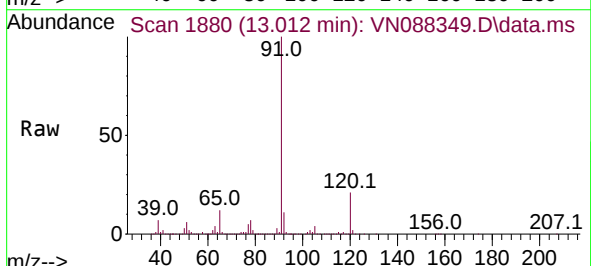
Acq: 24 Nov 2025 14:35

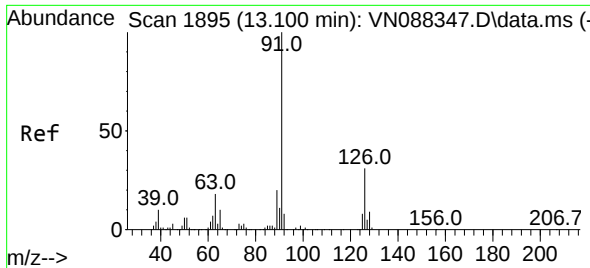
Tgt Ion: 91 Resp: 3057578

Ion Ratio Lower Upper

91 100

120 21.7 10.9 32.6





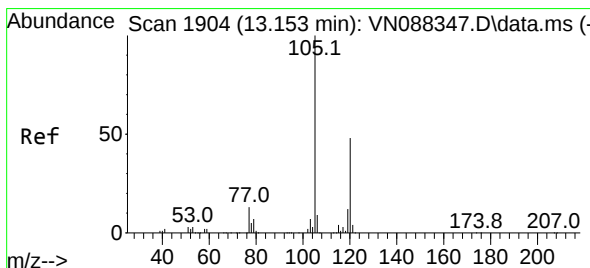
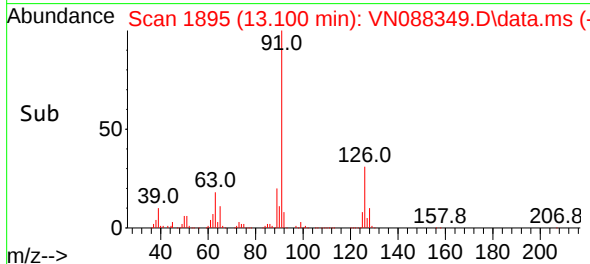
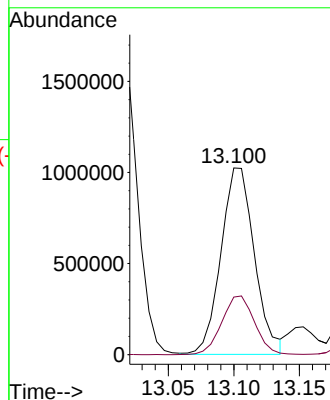
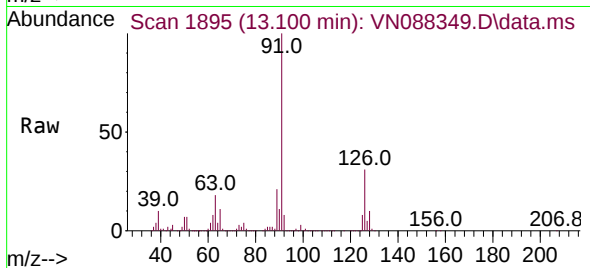
#79
2-Chlorotoluene
Concen: 145.751 ug/l
RT: 13.100 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1823307
Ion Ratio Lower Upper
91 100
126 30.8 15.3 45.9

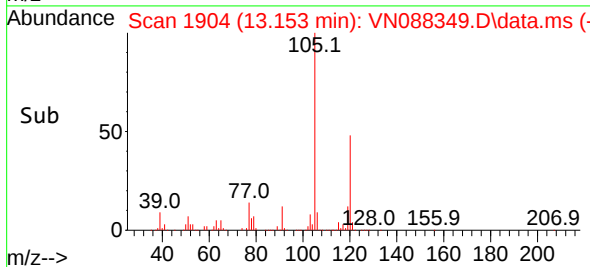
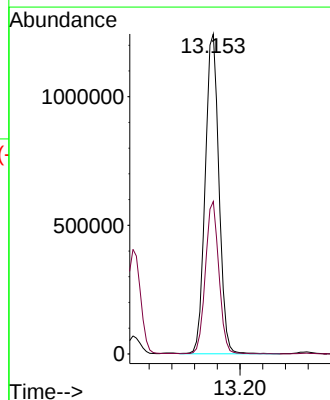
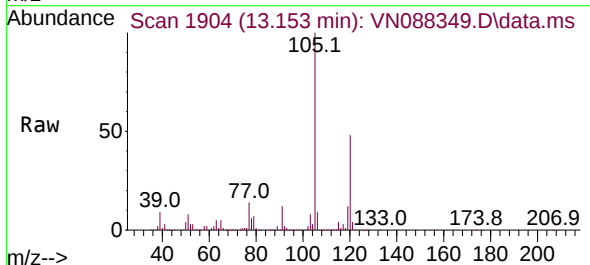
Manual Integrations
APPROVED

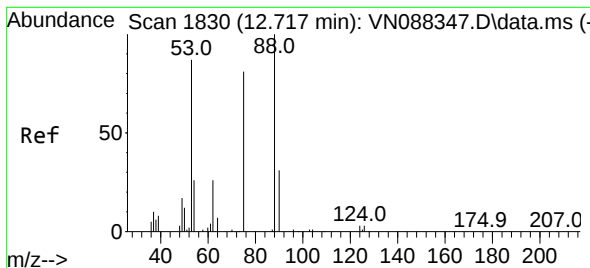
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#80
1,3,5-Trimethylbenzene
Concen: 140.933 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

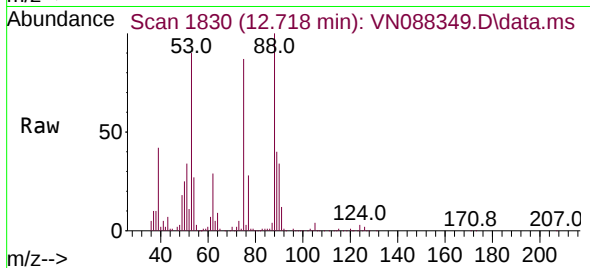
Tgt Ion:105 Resp: 2086957
Ion Ratio Lower Upper
105 100
120 46.7 23.8 71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 160.381 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

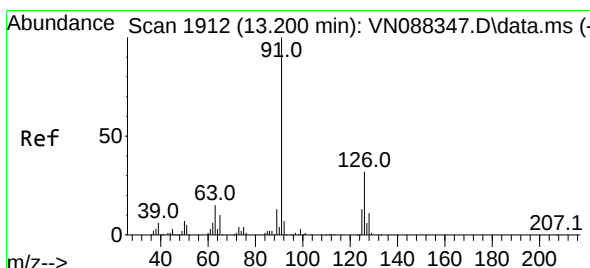
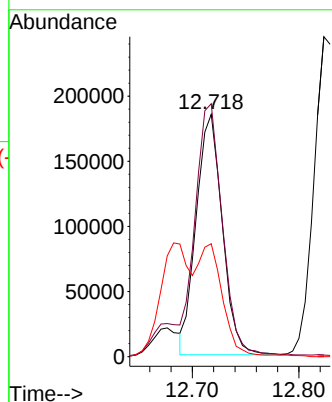
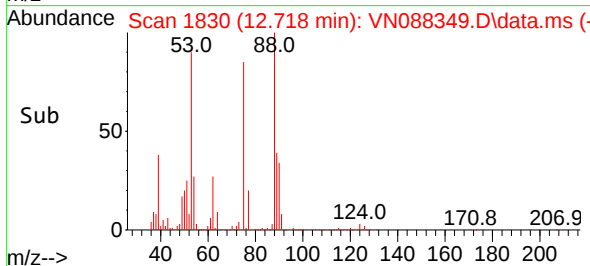
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 75 Resp: 314465
Ion Ratio Lower Upper
75 100
53 125.0 92.2 138.4
89 42.8 0.0 0.0

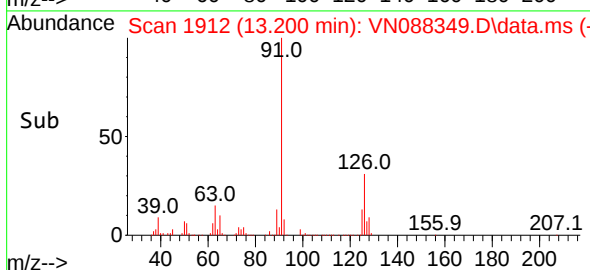
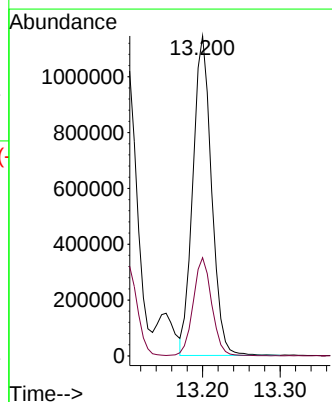
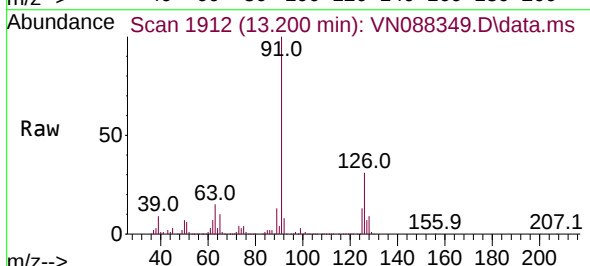
Manual Integrations
APPROVED

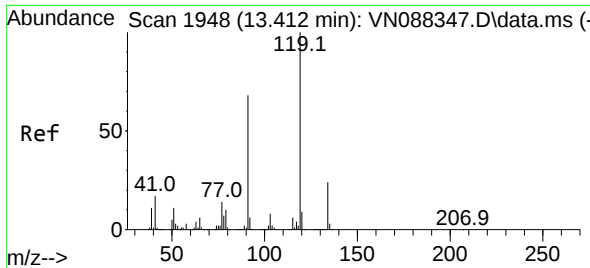
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#82
4-Chlorotoluene
Concen: 140.664 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

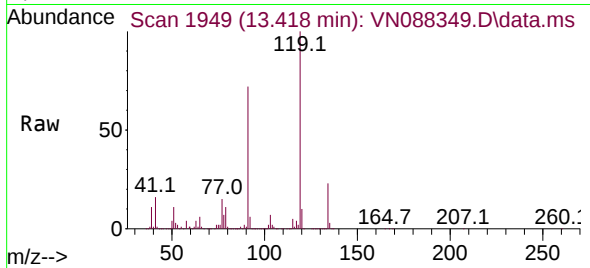
Tgt Ion: 91 Resp: 1905793
Ion Ratio Lower Upper
91 100
126 30.7 15.6 46.7





#83
tert-Butylbenzene
Concen: 132.498 ug/l
RT: 13.418 min Scan# 1948
Delta R.T. 0.006 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

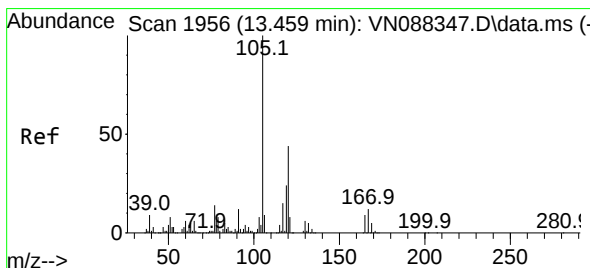
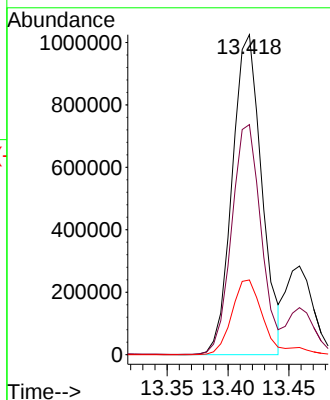
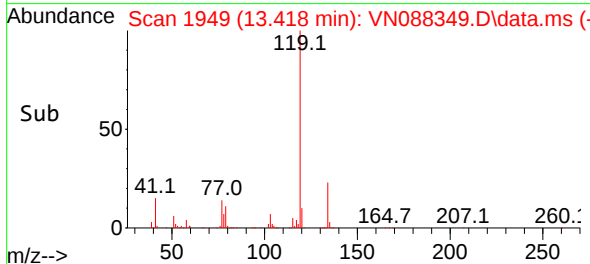
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



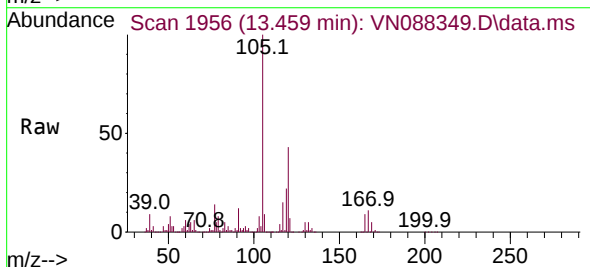
Tgt Ion:119 Resp: 1733611
Ion Ratio Lower Upper
119 100
91 71.3 35.1 105.3
134 25.4 12.8 38.4

Manual Integrations
APPROVED

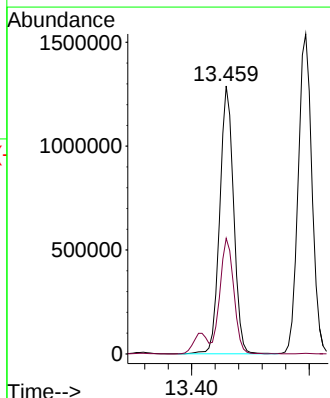
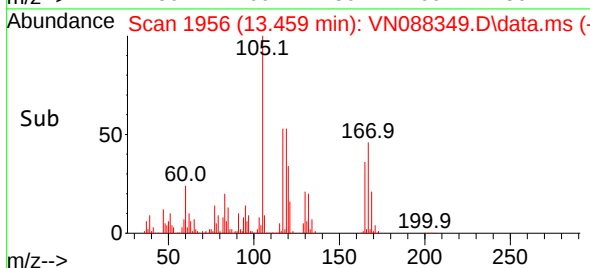
Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025

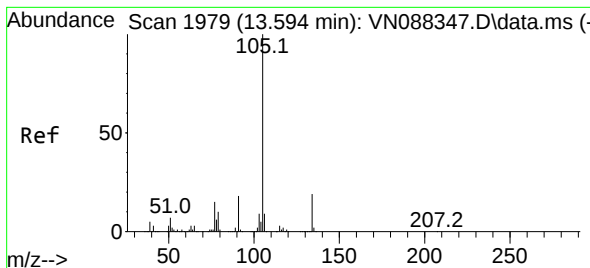


#84
1,2,4-Trimethylbenzene
Concen: 142.286 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



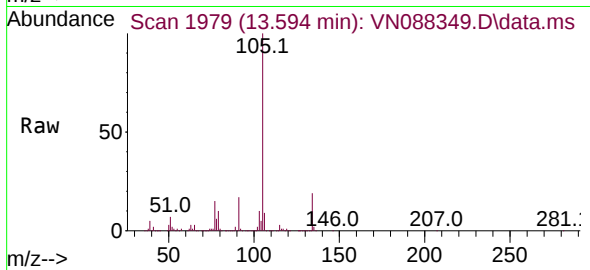
Tgt Ion:105 Resp: 2111285
Ion Ratio Lower Upper
105 100
120 43.3 22.1 66.1





#85
 sec-Butylbenzene
 Concen: 130.473 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088349.D
 Acq: 24 Nov 2025 14:35

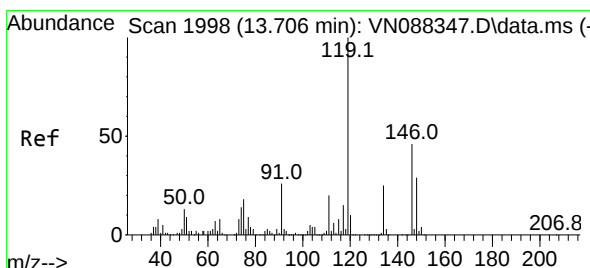
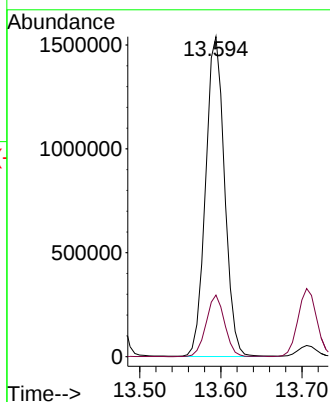
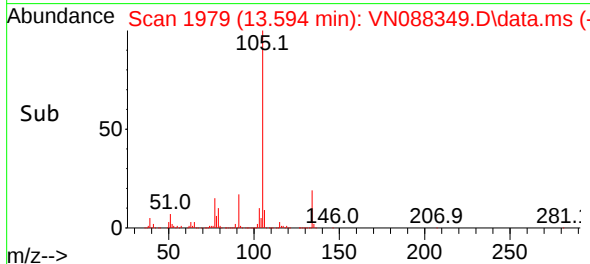
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



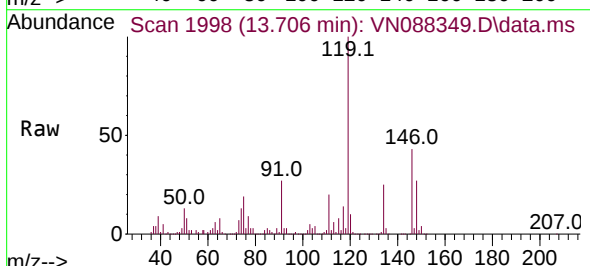
Tgt Ion:105 Resp: 2498053
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.5 28.5

Manual Integrations
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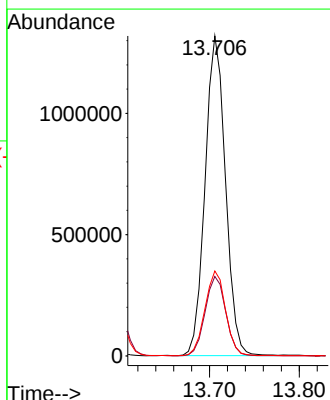
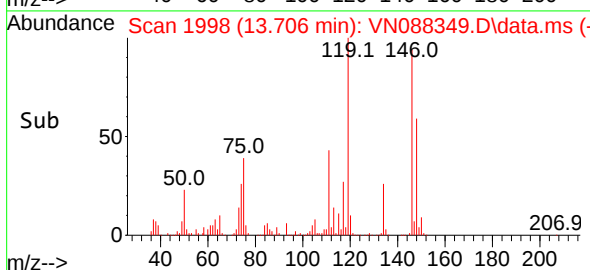
Reviewed By :John Carlone 11/25/2025
 Supervised By :Mahesh Dadoda 11/26/2025

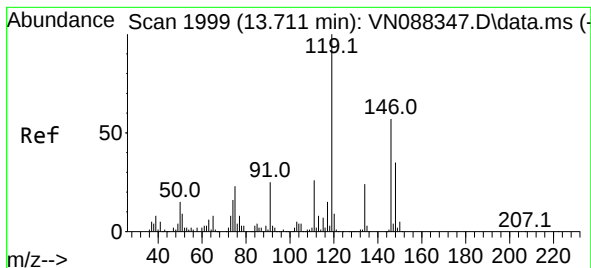


#86
 p-Isopropyltoluene
 Concen: 135.476 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN088349.D
 Acq: 24 Nov 2025 14:35



Tgt Ion:119 Resp: 2089505
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.2 36.6
 91 26.6 13.0 39.0





#87

1,3-Dichlorobenzene

Concen: 139.099 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 1070574

Ion Ratio Lower Upper

146 100

111 45.4 22.4 67.0

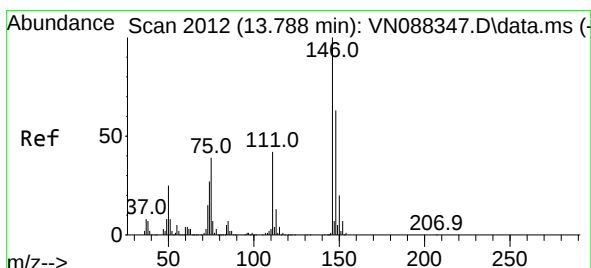
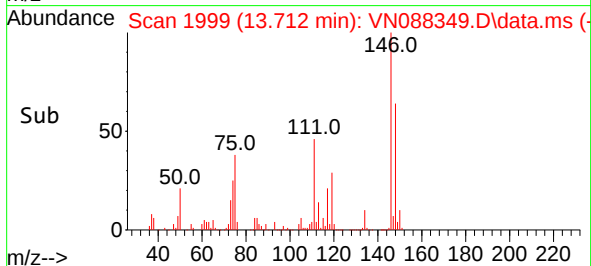
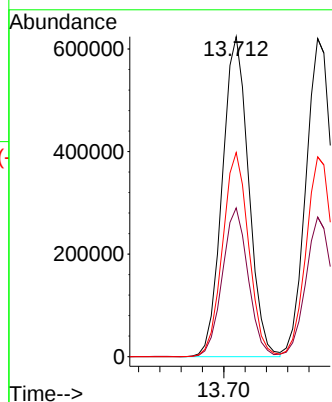
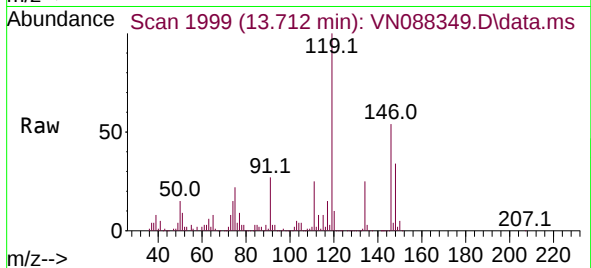
148 63.1 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#88

1,4-Dichlorobenzene

Concen: 131.796 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

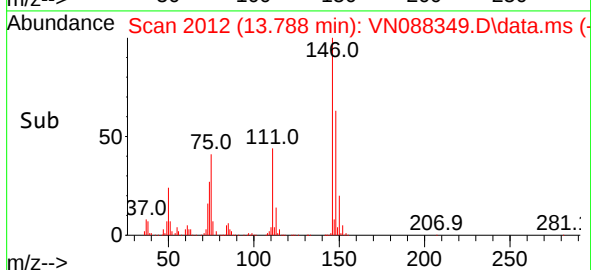
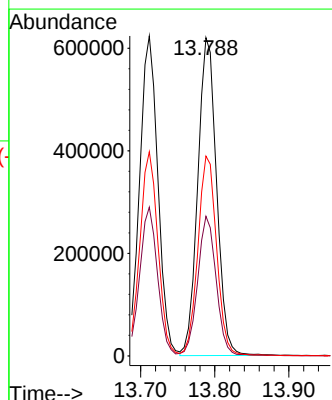
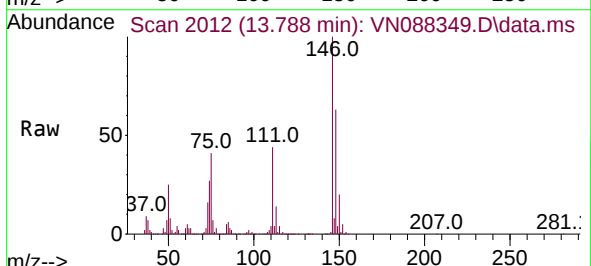
Tgt Ion:146 Resp: 1093471

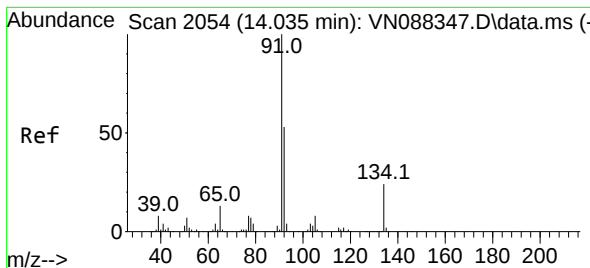
Ion Ratio Lower Upper

146 100

111 43.6 21.6 64.6

148 62.7 31.0 93.0





#89

n-Butylbenzene

Concen: 133.462 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2025634

Ion Ratio Lower Upper

91 100

92 52.6 26.1 78.3

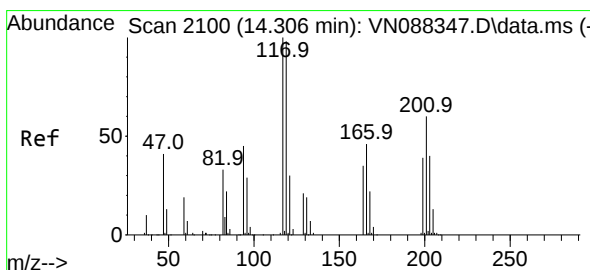
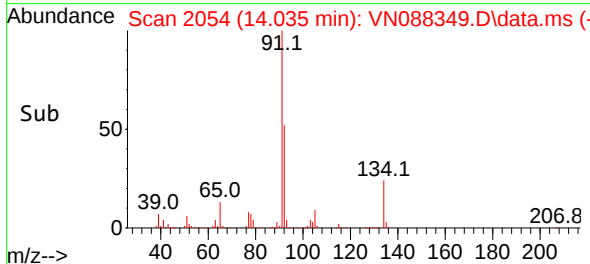
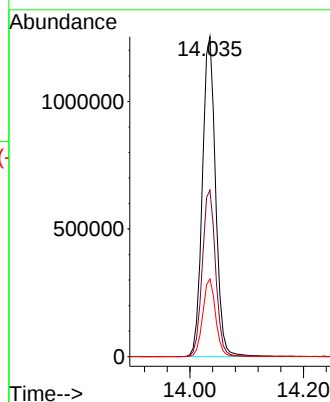
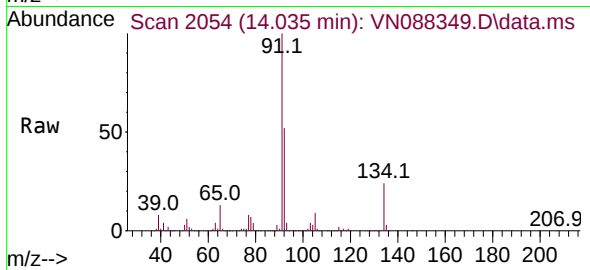
134 23.8 11.7 35.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#90

Hexachloroethane

Concen: 127.143 ug/l

RT: 14.306 min Scan# 2100

Delta R.T. 0.000 min

Lab File: VN088349.D

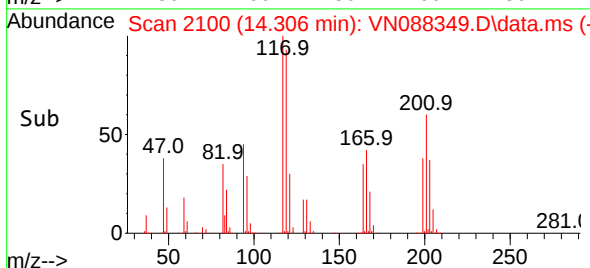
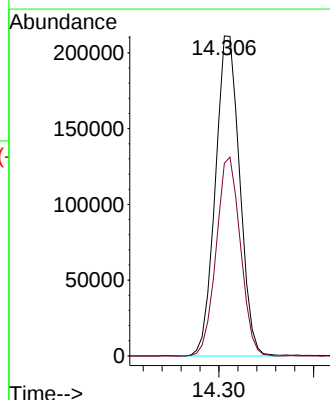
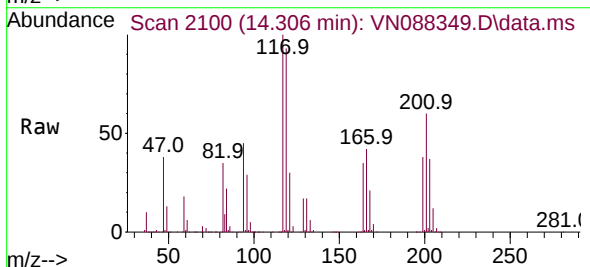
Acq: 24 Nov 2025 14:35

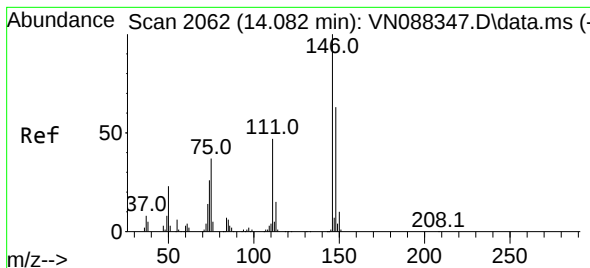
Tgt Ion:117 Resp: 376335

Ion Ratio Lower Upper

117 100

201 61.7 30.3 90.9





#91

1,2-Dichlorobenzene

Concen: 137.771 ug/l

RT: 14.082 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 102341

Ion Ratio Lower Upper

146 100

111 46.4 23.3 69.9

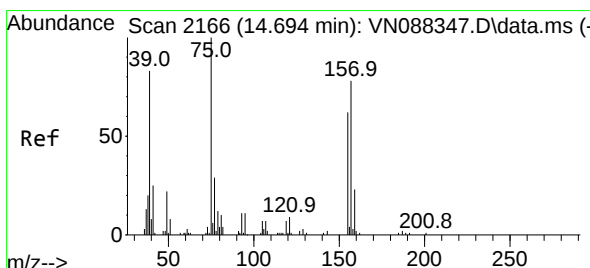
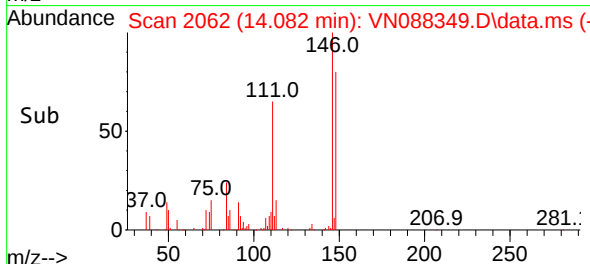
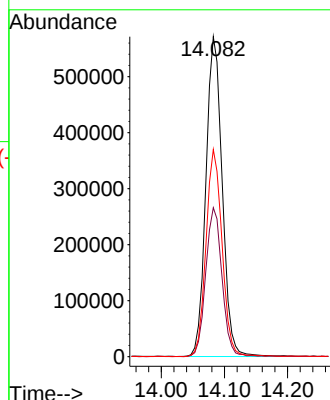
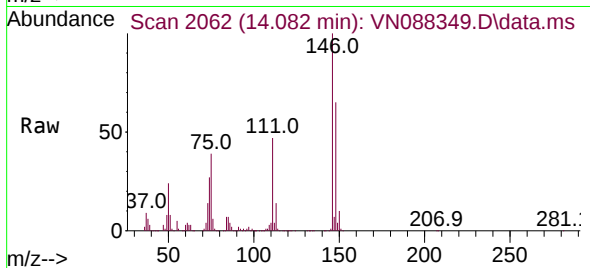
148 63.8 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 154.355 ug/l

RT: 14.700 min Scan# 2167

Delta R.T. 0.006 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

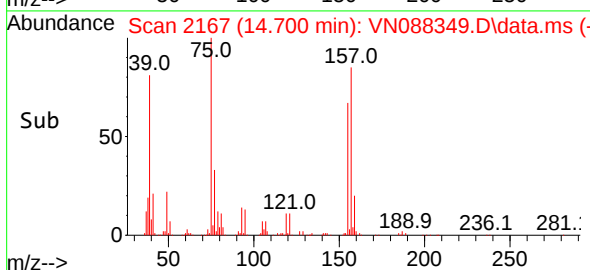
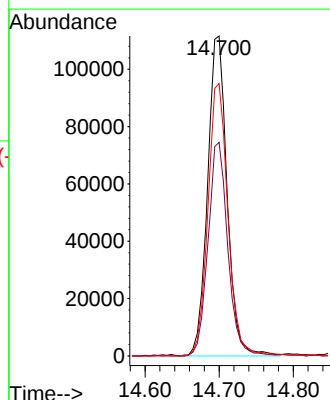
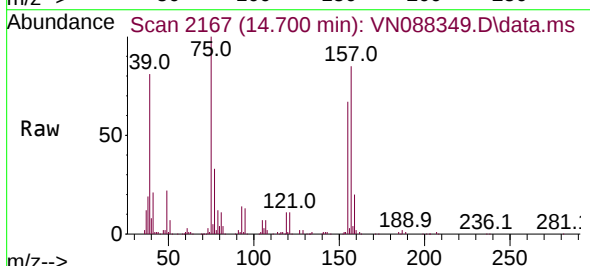
Tgt Ion: 75 Resp: 204222

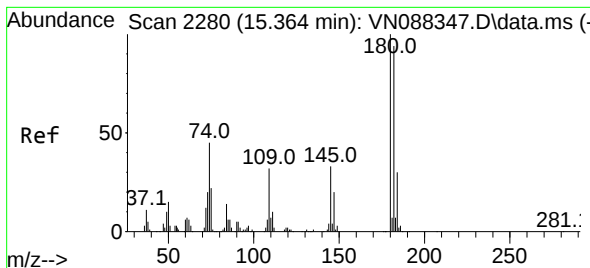
Ion Ratio Lower Upper

75 100

155 67.4 33.7 101.1

157 87.7 43.8 131.3





#93

1,2,4-Trichlorobenzene

Concen: 139.416 ug/l

RT: 15.365 min Scan# 2280

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 623560

Ion Ratio Lower Upper

180 100

182 92.8 46.1 138.2

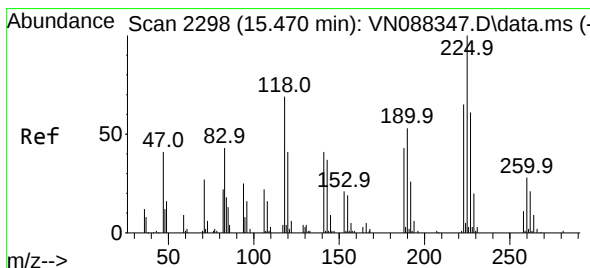
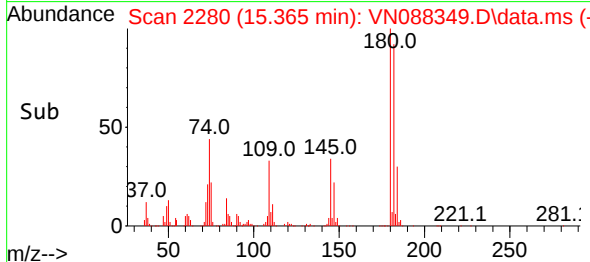
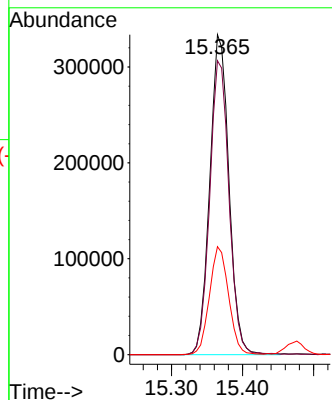
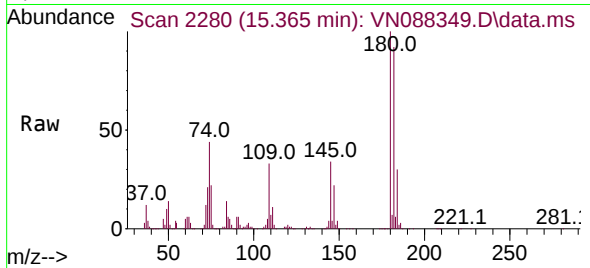
145 33.8 16.7 50.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2025

Supervised By :Mahesh Dadoda 11/26/2025



#94

Hexachlorobutadiene

Concen: 127.182 ug/l

RT: 15.470 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VN088349.D

Acq: 24 Nov 2025 14:35

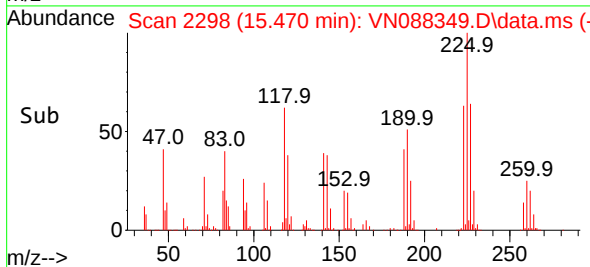
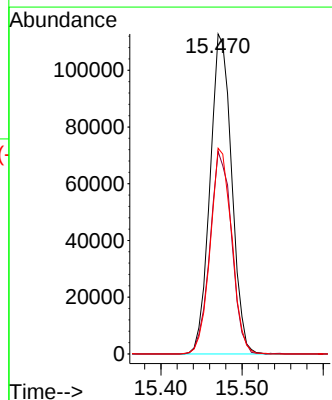
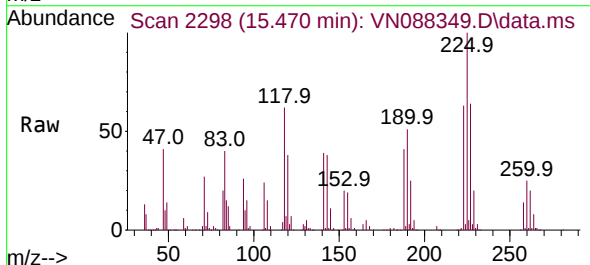
Tgt Ion:225 Resp: 208495

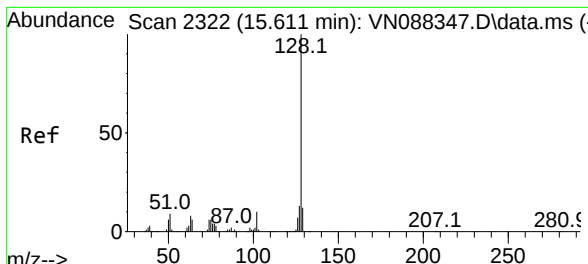
Ion Ratio Lower Upper

225 100

223 63.7 32.3 96.8

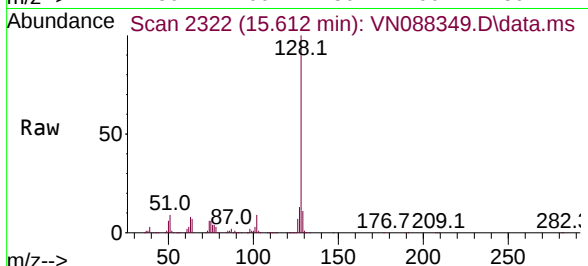
227 63.9 29.9 89.8





#95
Naphthalene
Concen: 149.183 ug/l
RT: 15.612 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35

Instrument : MSVOA_N
Client Sample Id : VSTDIC150

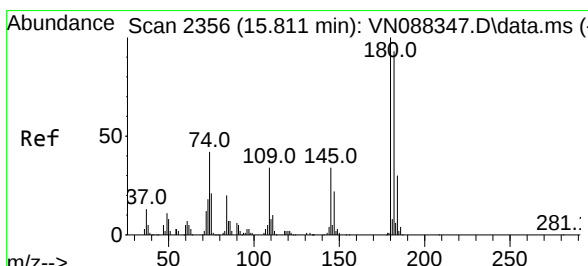
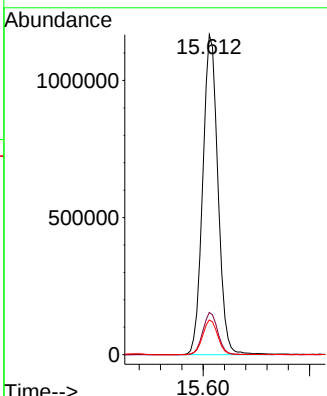
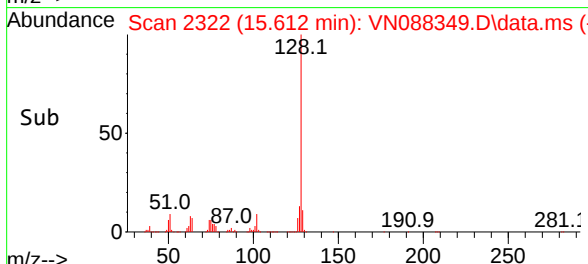


Tgt Ion:128 Resp: 230844

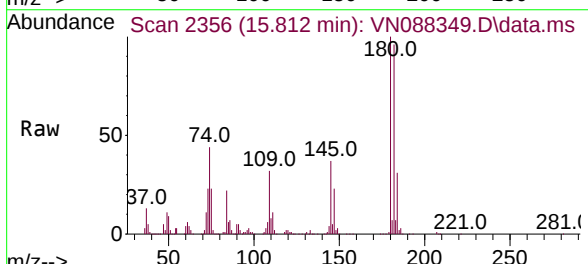
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	9.0	13.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2025
Supervised By :Mahesh Dadoda 11/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 140.271 ug/l
RT: 15.812 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN088349.D
Acq: 24 Nov 2025 14:35



Tgt Ion:180 Resp: 605584

Ion	Ratio	Lower	Upper
180	100		
182	94.0	45.9	137.7
145	35.6	17.8	53.4

