

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
 Data File : VN088080.D
 Acq On : 23 Oct 2025 10:59
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 24 02:52:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 02:50:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	282090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	546178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	485620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	241242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	103292	21.175	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.360%#		
35) Dibromofluoromethane	8.147	113	75221	20.500	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.000%#		
50) Toluene-d8	10.547	98	283564	20.057	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.120%#		
62) 4-Bromofluorobenzene	12.829	95	99923	20.012	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.020%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	67069	21.078	ug/l	97
3) Chloromethane	2.383	50	81817	21.856	ug/l	96
4) Vinyl Chloride	2.536	62	88776	21.765	ug/l	98
5) Bromomethane	2.983	94	54697	22.420	ug/l	99
6) Chloroethane	3.136	64	62949	21.421	ug/l	93
7) Trichlorofluoromethane	3.512	101	140569	21.608	ug/l	95
8) Diethyl Ether	3.971	74	51299	21.217	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.365	101	69023	20.561	ug/l	98
10) Methyl Iodide	4.583	142	62029	21.370	ug/l	97
11) Tert butyl alcohol	5.524	59	95809	114.009	ug/l	97
12) 1,1-Dichloroethene	4.342	96	71244	20.094	ug/l	97
13) Acrolein	4.183	56	97190	102.818	ug/l	99
14) Allyl chloride	5.012	41	124762	20.136	ug/l	98
15) Acrylonitrile	5.706	53	254966	111.383	ug/l	98
16) Acetone	4.424	43	248513	101.409	ug/l	96
17) Carbon Disulfide	4.706	76	223844	20.769	ug/l	99
18) Methyl Acetate	5.018	43	110595	22.044	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	281317	21.605	ug/l	94
20) Methylene Chloride	5.265	84	87400	23.333	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	80726	20.591	ug/l	95
22) Diisopropyl ether	6.653	45	298356	22.828	ug/l	96
23) Vinyl Acetate	6.589	43	1346497	114.374	ug/l	100
24) 1,1-Dichloroethane	6.559	63	159981	22.098	ug/l	97
25) 2-Butanone	7.471	43	360240	112.706	ug/l	96
26) 2,2-Dichloropropane	7.471	77	139276	21.169	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	97968	21.866	ug/l	100
28) Bromochloromethane	7.800	49	61975	18.117	ug/l	99
29) Tetrahydrofuran	7.824	42	237998	113.080	ug/l	99
30) Chloroform	7.947	83	158515	21.917	ug/l	99
31) Cyclohexane	8.236	56	146770	21.495	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	140074	21.745	ug/l	92
36) 1,1-Dichloropropene	8.353	75	115884	21.630	ug/l	99
37) Ethyl Acetate	7.547	43	147787	21.466	ug/l	99
38) Carbon Tetrachloride	8.341	117	117435	21.223	ug/l	90
39) Methylcyclohexane	9.583	83	138414	20.099	ug/l	96
40) Benzene	8.588	78	351627	21.551	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	77407	21.272	ug/l	100
42) 1,2-Dichloroethane	8.653	62	128925	22.239	ug/l	99
43) Isopropyl Acetate	8.677	43	232810	21.914	ug/l	97
44) Trichloroethene	9.330	130	81811	21.452	ug/l	88
45) 1,2-Dichloropropane	9.600	63	86639	21.033	ug/l	97
46) Dibromomethane	9.688	93	64404	21.923	ug/l	99
47) Bromodichloromethane	9.871	83	128781	21.895	ug/l	95
48) Methyl methacrylate	9.659	41	106892	21.182	ug/l	97
49) 1,4-Dioxane	9.677	88	28059	459.958	ug/l #	94
51) 4-Methyl-2-Pentanone	10.424	43	706841	112.466	ug/l	99
52) Toluene	10.606	92	216580	21.530	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	135097	21.581	ug/l	94
54) cis-1,3-Dichloropropene	10.294	75	142472	21.447	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	81773	21.426	ug/l	97
56) Ethyl methacrylate	10.859	69	129419	21.460	ug/l	99
57) 1,3-Dichloropropane	11.141	76	147164	21.938	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	326199	103.833	ug/l	99
59) 2-Hexanone	11.177	43	456992	110.762	ug/l	96
60) Dibromochloromethane	11.335	129	94659	21.821	ug/l	97
61) 1,2-Dibromoethane	11.447	107	83824	21.341	ug/l	97
64) Tetrachloroethene	11.082	164	65019	20.298	ug/l	94
65) Chlorobenzene	11.871	112	233976	21.219	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.941	131	76803	21.259	ug/l	97
67) Ethyl Benzene	11.941	91	412481	21.311	ug/l	98
68) m/p-Xylenes	12.047	106	312179	43.046	ug/l	98
69) o-Xylene	12.376	106	148393	21.585	ug/l	99
70) Styrene	12.388	104	247794	22.103	ug/l	98
71) Bromoform	12.559	173	57194	21.214	ug/l #	94
73) Isopropylbenzene	12.671	105	392471	21.093	ug/l	98
74) N-amyl acetate	12.671	43	95839m	17.796	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	128906	22.253	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	102475m	19.844	ug/l	
77) Bromobenzene	12.959	156	89317	22.261	ug/l	93
78) n-propylbenzene	13.012	91	475747	20.952	ug/l	98
79) 2-Chlorotoluene	13.100	91	286955	22.160	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	326659	21.139	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	38485	19.415	ug/l	84
82) 4-Chlorotoluene	13.200	91	300449	21.446	ug/l	99
83) tert-Butylbenzene	13.412	119	289688	20.986	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	334370	21.627	ug/l	99
85) sec-Butylbenzene	13.594	105	422803	20.848	ug/l	99
86) p-Isopropyltoluene	13.706	119	347584	21.364	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	175823	21.951	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	179756	20.841	ug/l	99
89) n-Butylbenzene	14.035	91	337053	20.915	ug/l	99
90) Hexachloroethane	14.306	117	64770	20.558	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	161912	20.971	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.694	75	29025	21.527	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	95446	20.412	ug/l	99
94) Hexachlorobutadiene	15.476	225	35960	20.651	ug/l	96
95) Naphthalene	15.612	128	331649	20.704	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	90374	20.157	ug/l	98

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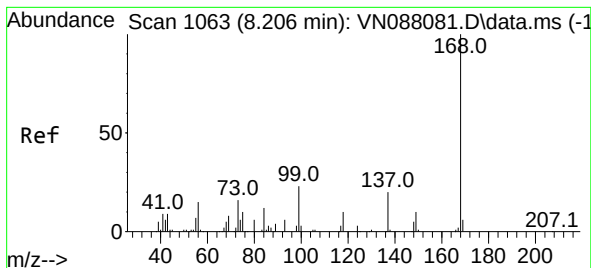
Manual Integrations
APPROVED

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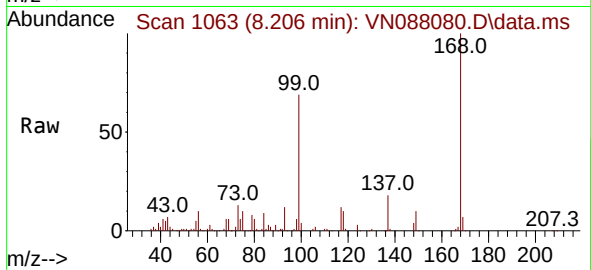
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
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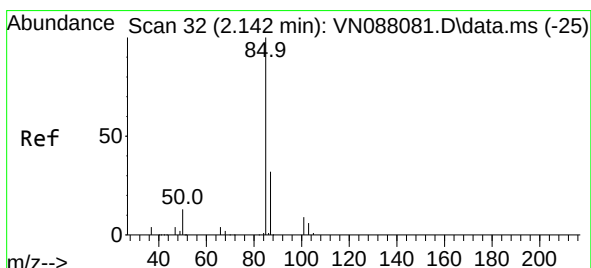
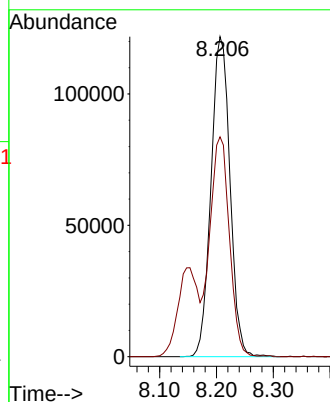
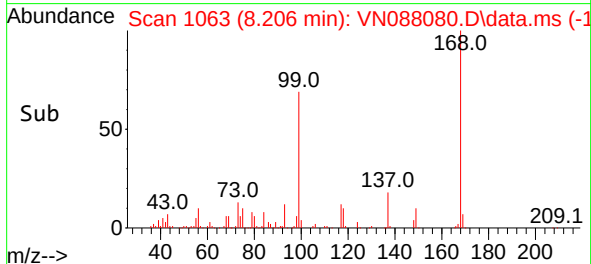
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 282090
Ion Ratio Lower Upper
168 100
99 68.7 57.2 85.8

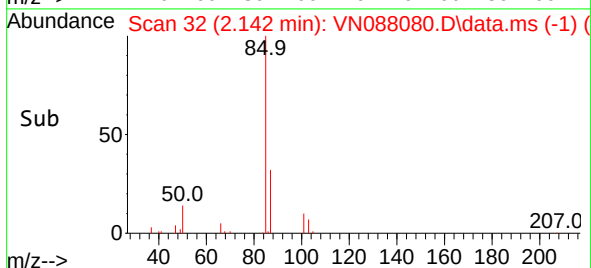
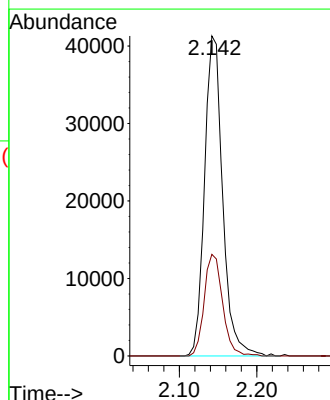
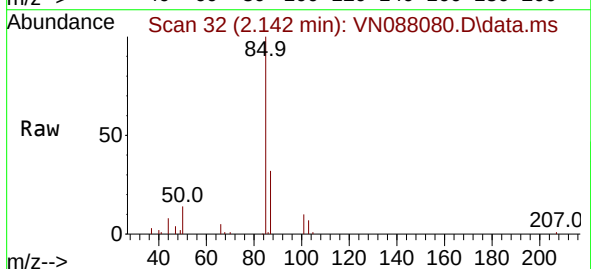
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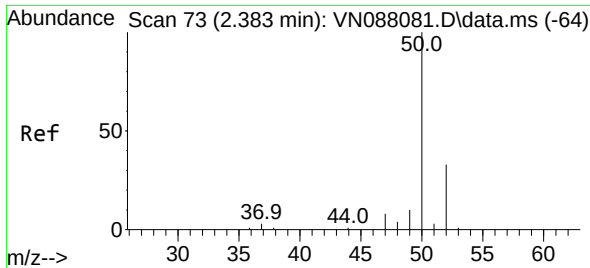
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#2
Dichlorodifluoromethane
Concen: 21.078 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

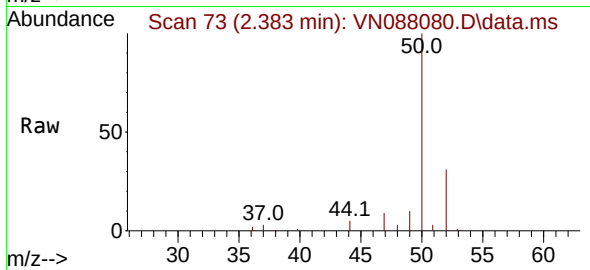
Tgt Ion: 85 Resp: 67069
Ion Ratio Lower Upper
85 100
87 31.7 16.6 49.8





#3
 Chloromethane
 Concen: 21.856 ug/l
 RT: 2.383 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VN088080.D
 Acq: 23 Oct 2025 10:59

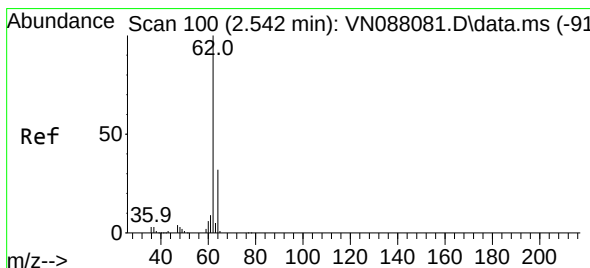
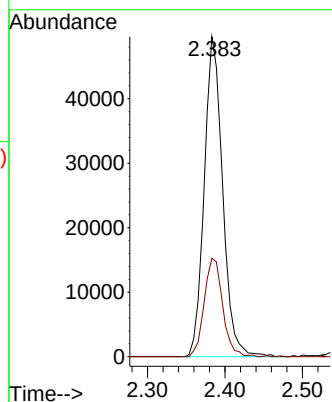
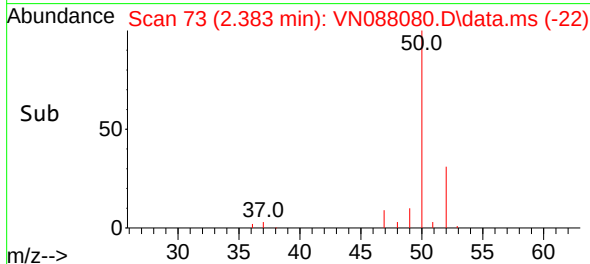
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Tgt Ion: 50 Resp: 8181
 Ion Ratio Lower Upper
 50 100
 52 30.8 26.2 39.4

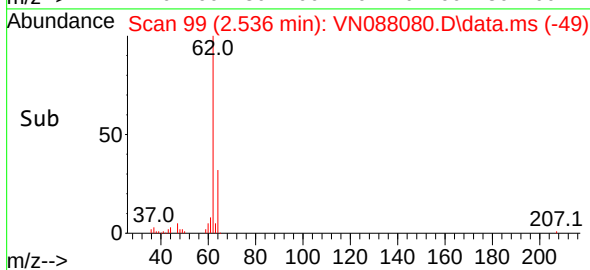
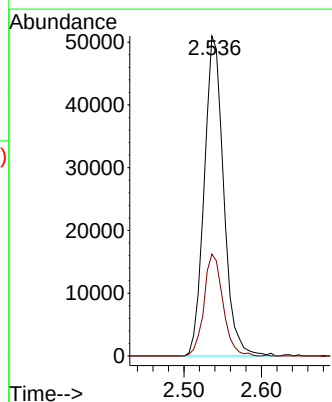
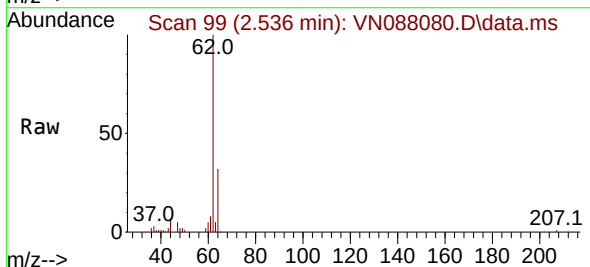
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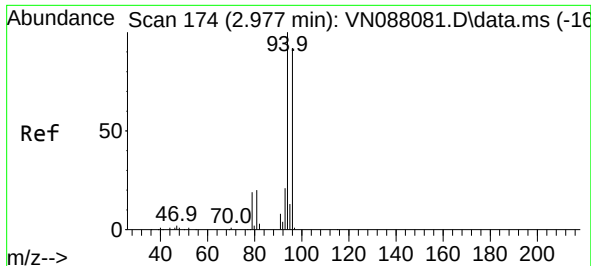
Reviewed By :John Carlone 10/24/2025
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#4
 Vinyl Chloride
 Concen: 21.765 ug/l
 RT: 2.536 min Scan# 99
 Delta R.T. -0.006 min
 Lab File: VN088080.D
 Acq: 23 Oct 2025 10:59

Tgt Ion: 62 Resp: 88776
 Ion Ratio Lower Upper
 62 100
 64 31.9 24.6 37.0





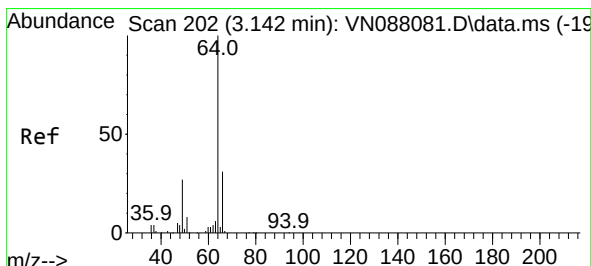
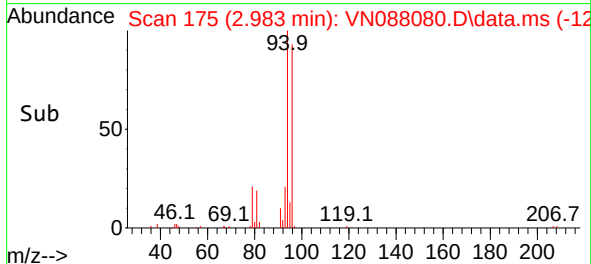
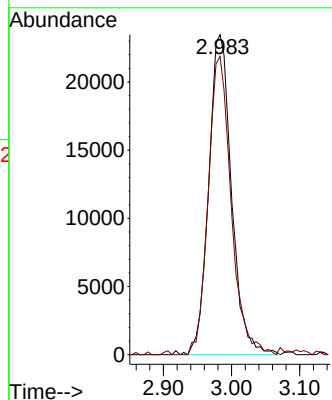
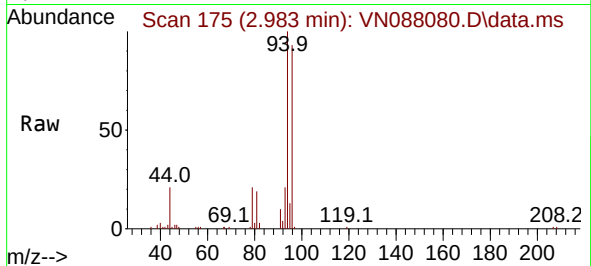
#5
Bromomethane
Concen: 22.420 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

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ClientSampleId :
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Tgt Ion: 94 Resp: 5469
Ion Ratio Lower Upper
94 100
96 93.2 75.4 113.2

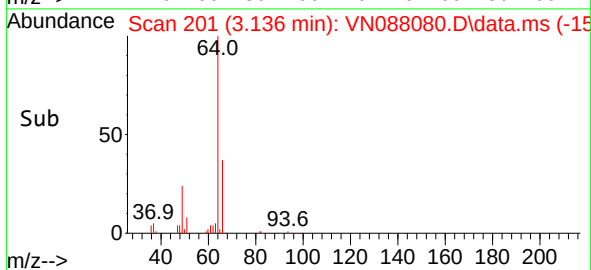
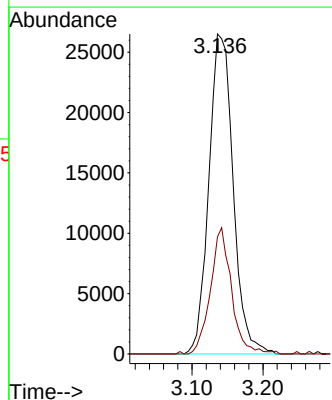
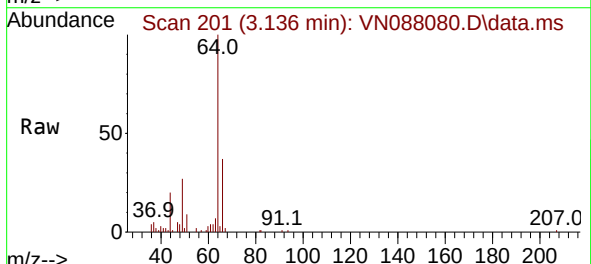
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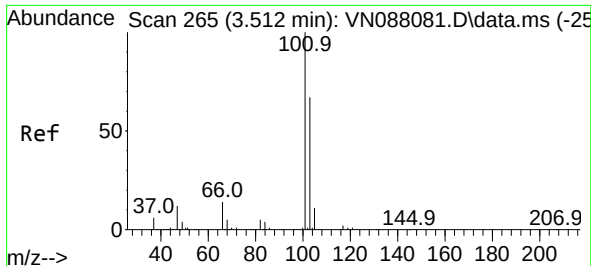
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#6
Chloroethane
Concen: 21.421 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.000 min
Lab File: VN088080.D
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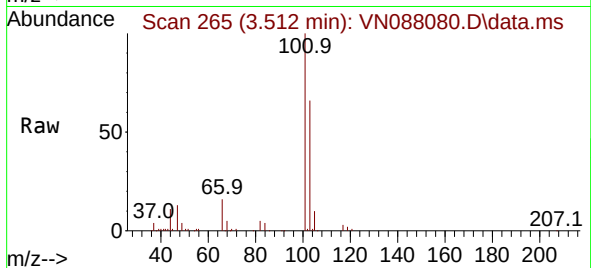
Tgt Ion: 64 Resp: 62949
Ion Ratio Lower Upper
64 100
66 36.6 26.2 39.2





#7
 Trichlorofluoromethane
 Concen: 21.608 ug/l
 RT: 3.512 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN088080.D
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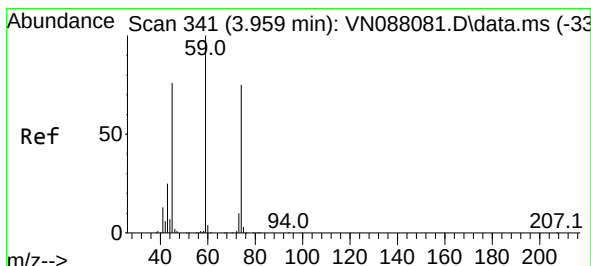
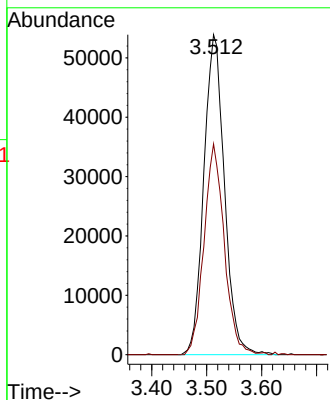
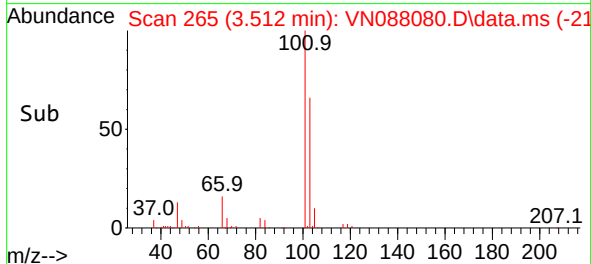
Instrument :
 MSVOA_N
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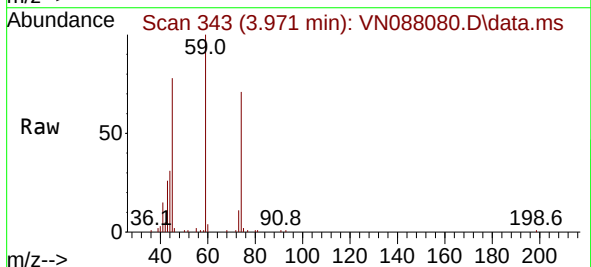
Tgt Ion:101 Resp: 140569
 Ion Ratio Lower Upper
 101 100
 103 65.8 49.4 74.0

Manual Integrations
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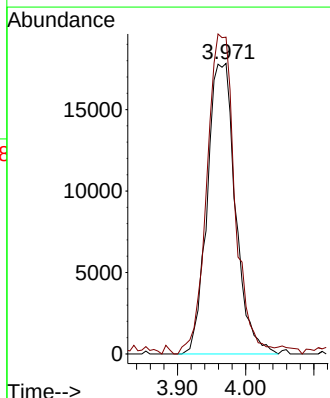
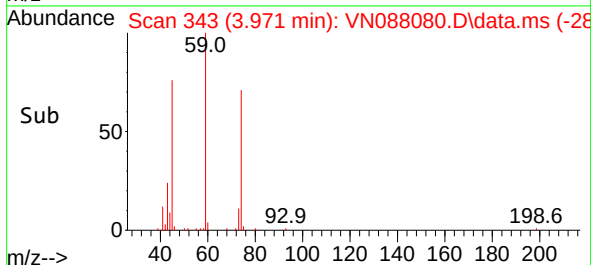
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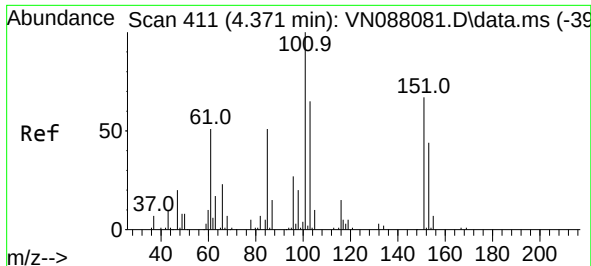


#8
 Diethyl Ether
 Concen: 21.217 ug/l
 RT: 3.971 min Scan# 343
 Delta R.T. 0.018 min
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Tgt Ion: 74 Resp: 51299
 Ion Ratio Lower Upper
 74 100
 45 109.6 50.6 151.9





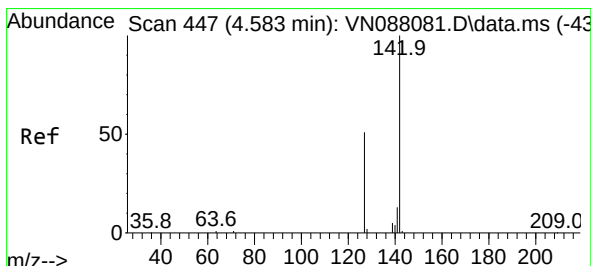
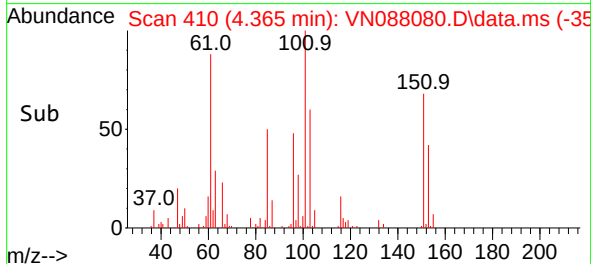
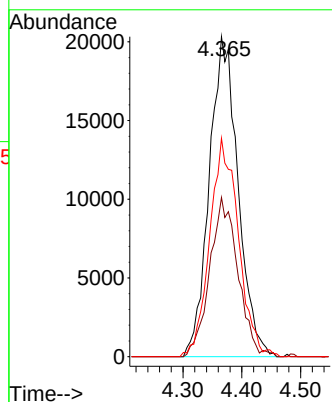
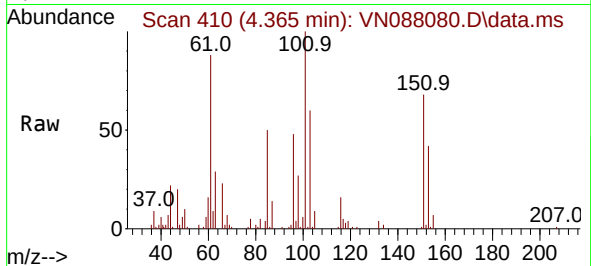
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.561 ug/l
RT: 4.365 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 6902
Ion Ratio Lower Upper
101 100
85 48.8 36.6 55.0
151 68.0 54.7 82.1

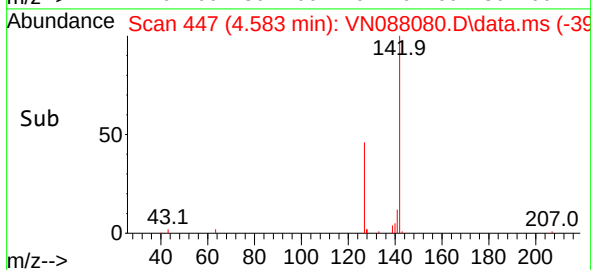
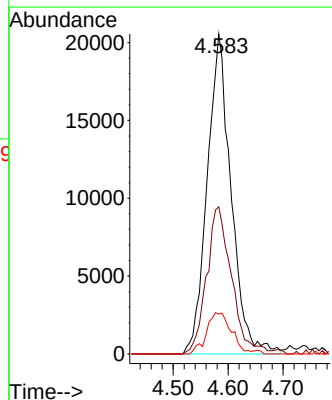
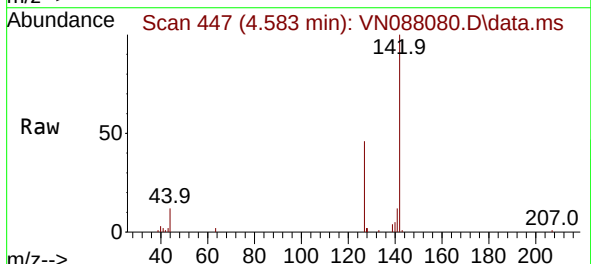
Manual Integrations
APPROVED

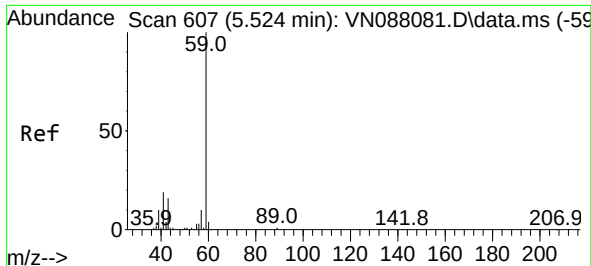
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#10
Methyl Iodide
Concen: 21.370 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

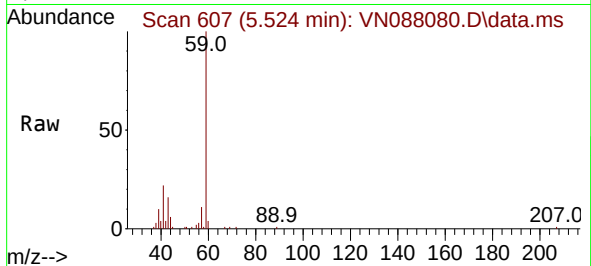
Tgt Ion:142 Resp: 62029
Ion Ratio Lower Upper
142 100
127 46.0 38.0 57.0
141 12.5 12.0 18.0





#11
Tert butyl alcohol
Concen: 114.009 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

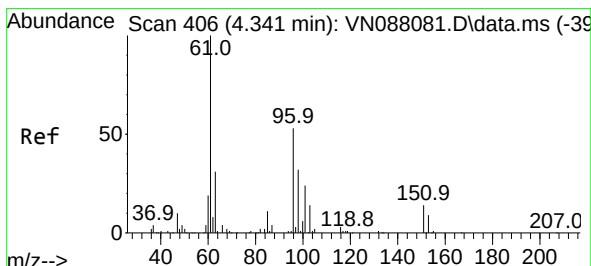
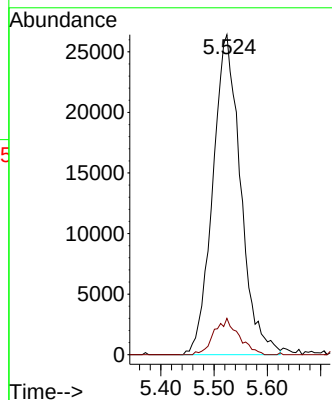
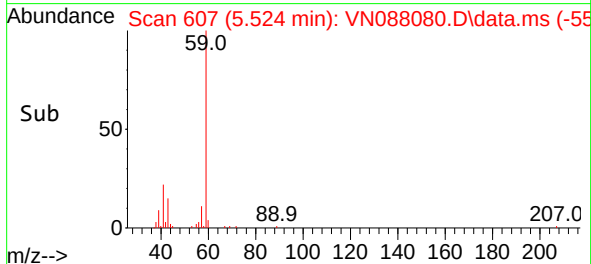
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



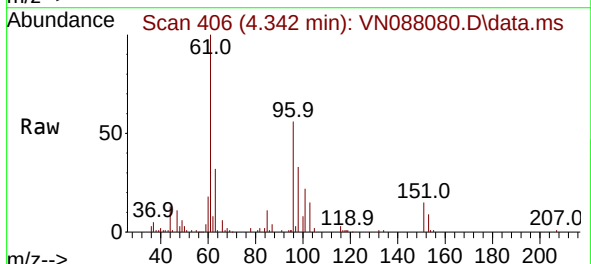
Tgt Ion: 59 Resp: 95809
Ion Ratio Lower Upper
59 100
57 10.1 9.0 13.4

Manual Integrations
APPROVED

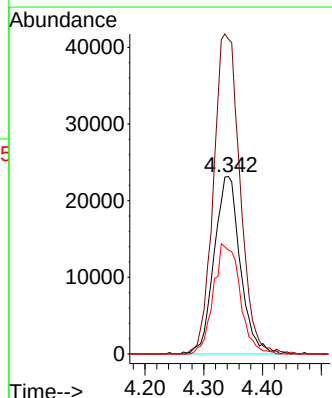
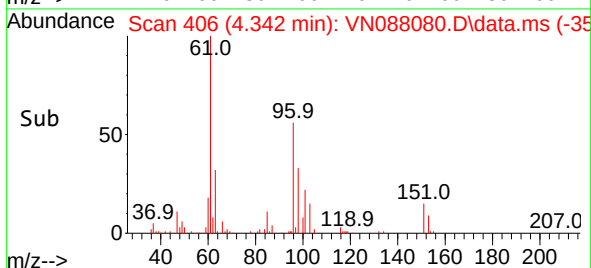
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

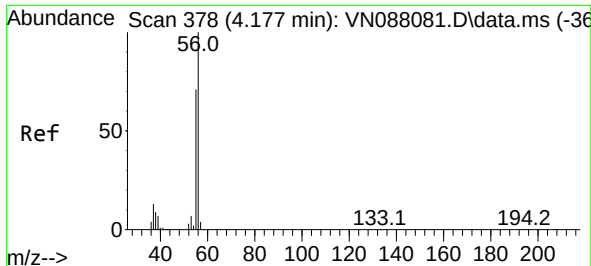


#12
1,1-Dichloroethene
Concen: 20.094 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59



Tgt Ion: 96 Resp: 71244
Ion Ratio Lower Upper
96 100
61 177.4 143.8 215.8
98 58.6 52.1 78.1





#13

Acrolein

Concen: 102.818 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 97190

Ion Ratio Lower Upper

56 100

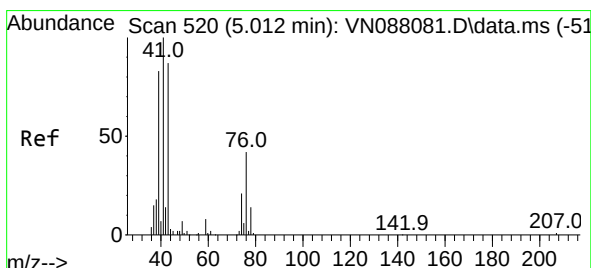
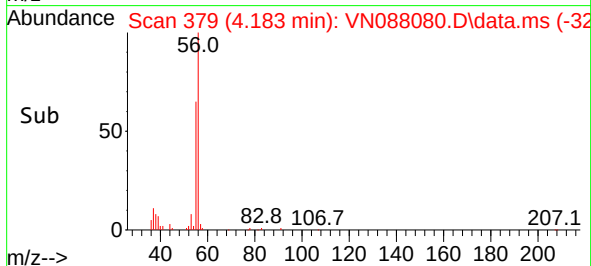
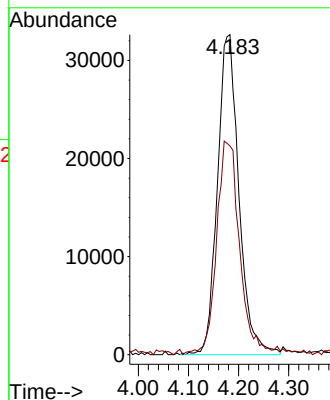
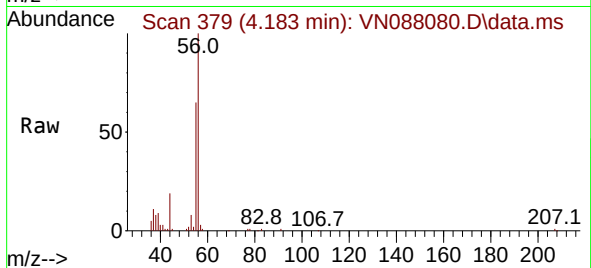
55 71.2 57.3 85.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#14

Allyl chloride

Concen: 20.136 ug/l

RT: 5.012 min Scan# 520

Delta R.T. 0.006 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

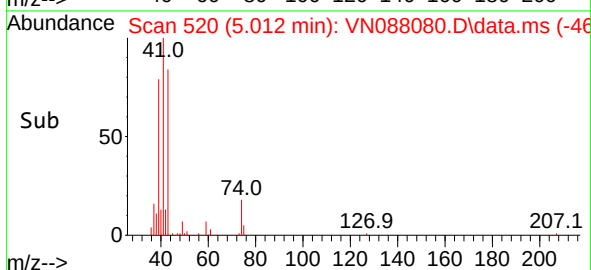
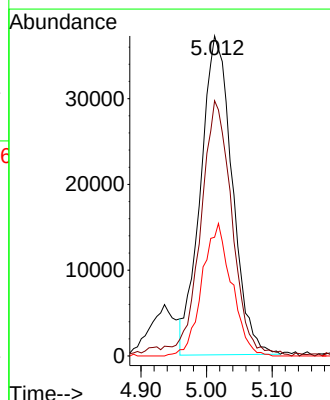
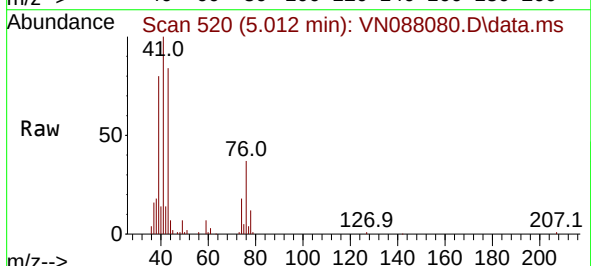
Tgt Ion: 41 Resp: 124762

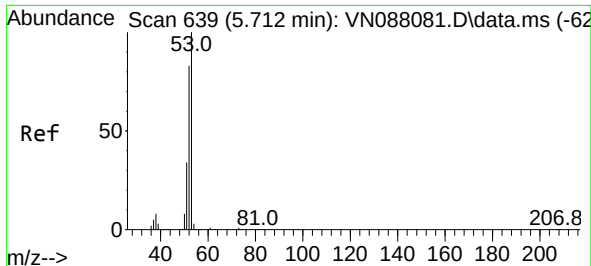
Ion Ratio Lower Upper

41 100

39 79.6 63.9 95.9

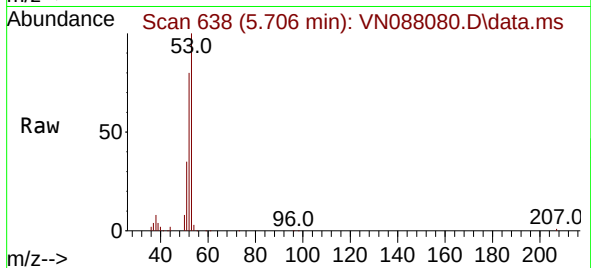
76 38.9 28.1 42.1





#15
Acrylonitrile
Concen: 111.383 ug/l
RT: 5.706 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

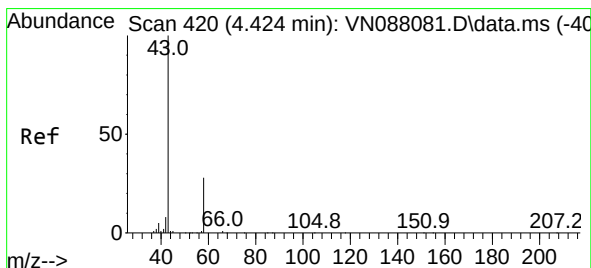
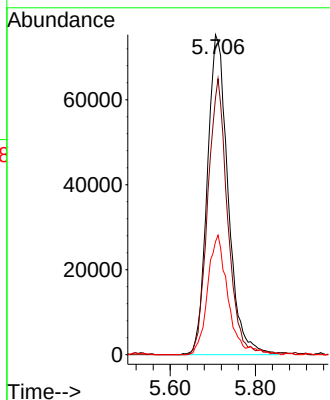
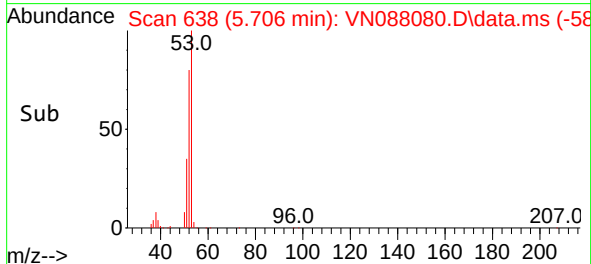
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 53 Resp: 254960
Ion Ratio Lower Upper
53 100
52 82.1 67.6 101.4
51 36.8 30.1 45.1

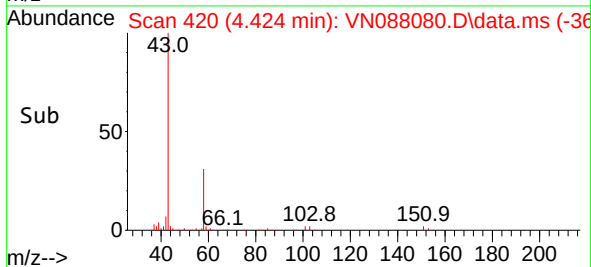
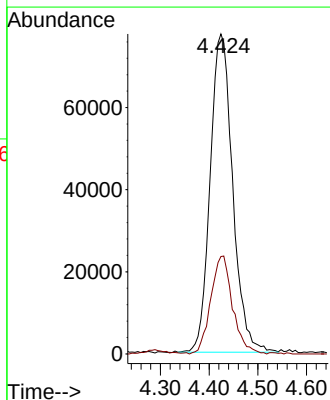
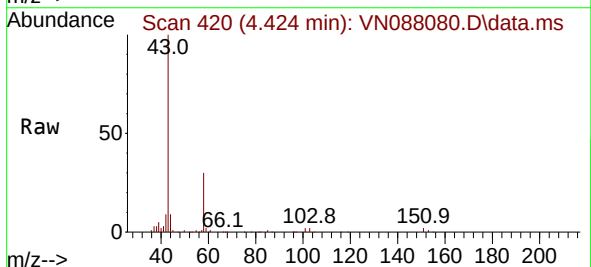
Manual Integrations
APPROVED

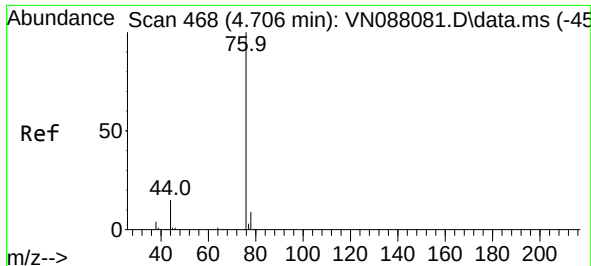
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#16
Acetone
Concen: 101.409 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

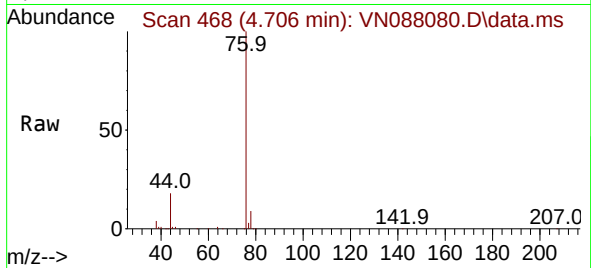
Tgt Ion: 43 Resp: 248513
Ion Ratio Lower Upper
43 100
58 30.4 22.6 33.8





#17
Carbon Disulfide
Concen: 20.769 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

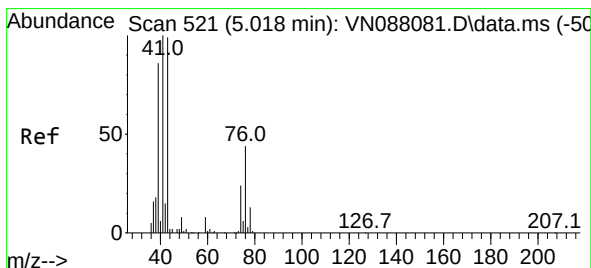
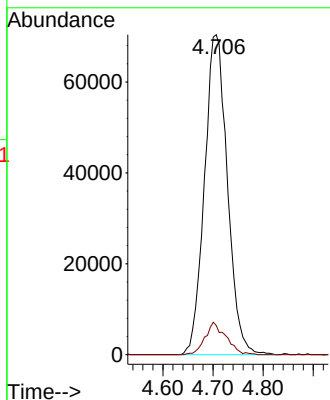
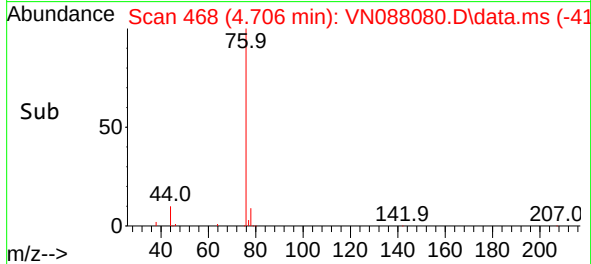
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 22384
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4

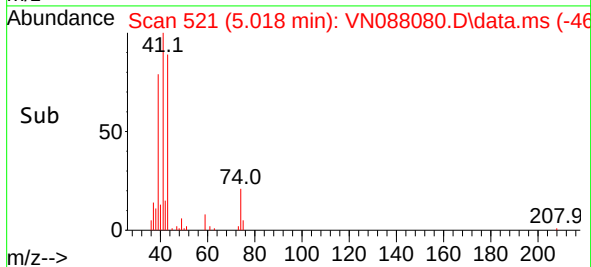
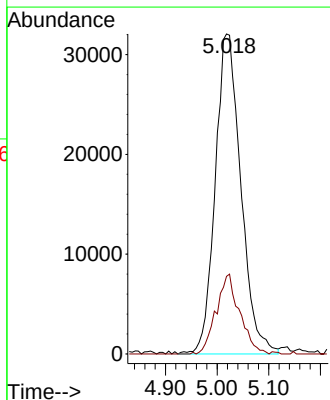
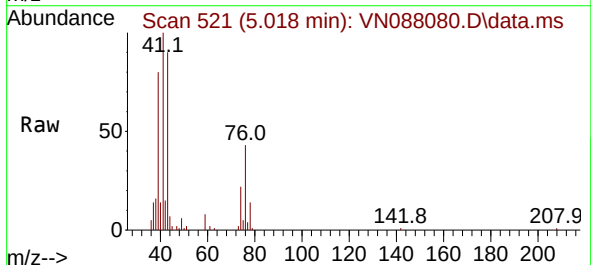
Manual Integrations
APPROVED

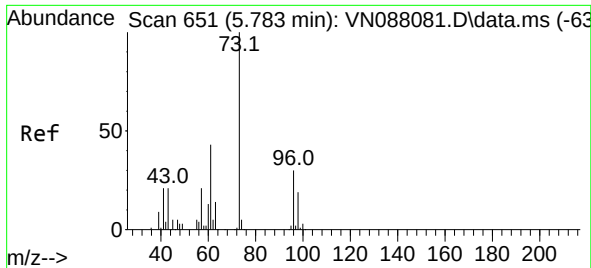
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#18
Methyl Acetate
Concen: 22.044 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Tgt Ion: 43 Resp: 110595
Ion Ratio Lower Upper
43 100
74 22.7 17.6 26.4





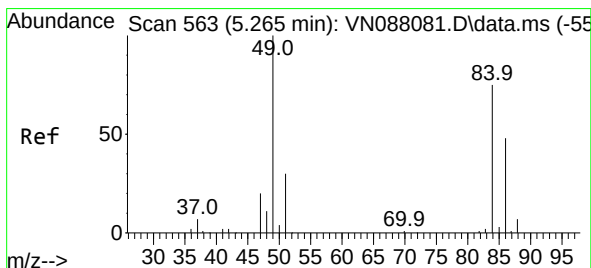
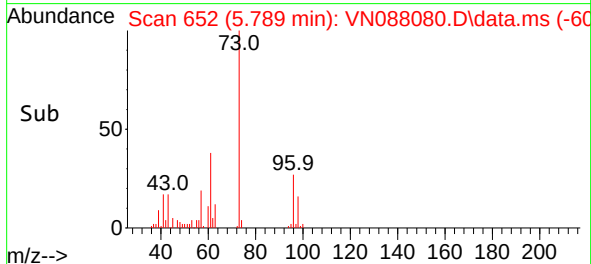
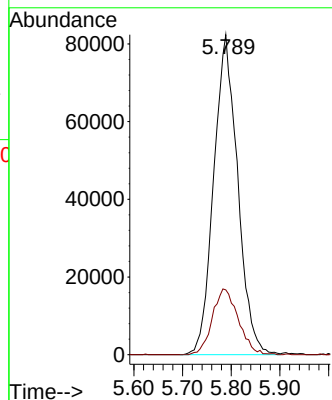
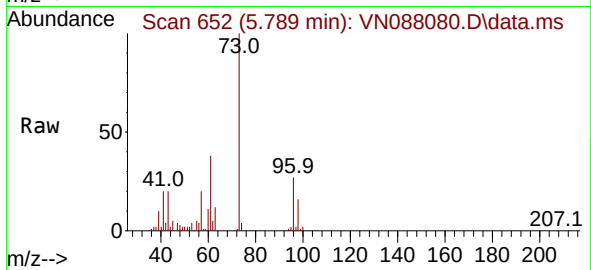
#19
Methyl tert-butyl Ether
Concen: 21.605 ug/l
RT: 5.789 min Scan# 651
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 28131
Ion Ratio Lower Upper
73 100
57 20.3 18.4 27.6

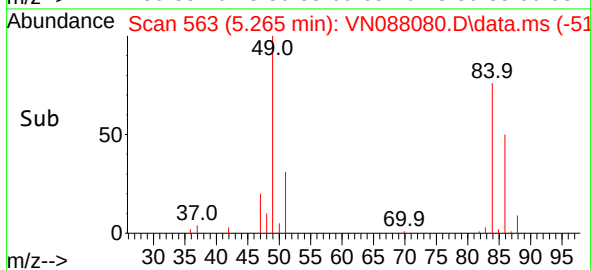
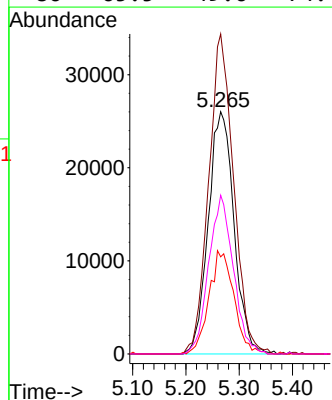
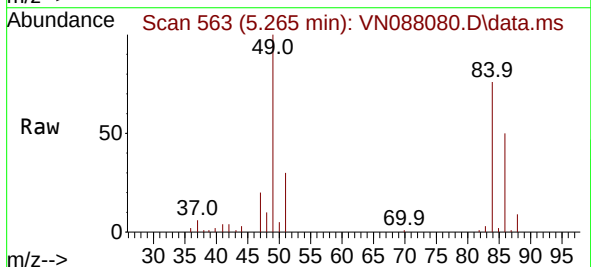
Manual Integrations
APPROVED

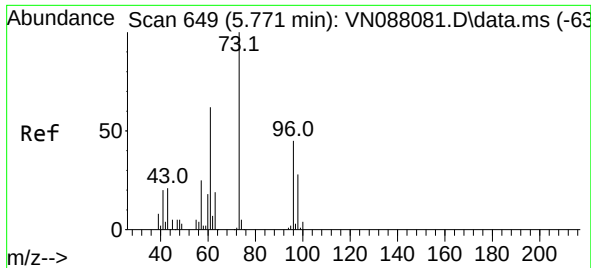
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#20
Methylene Chloride
Concen: 23.333 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

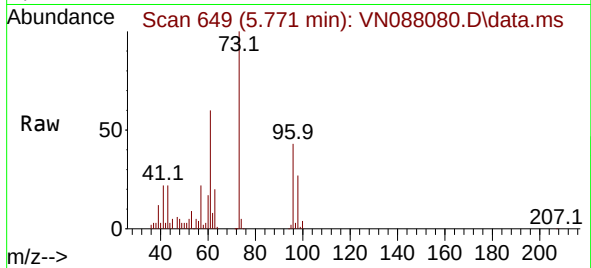
Tgt Ion: 84 Resp: 87400
Ion Ratio Lower Upper
84 100
49 132.1 103.4 155.2
51 40.1 33.8 50.8
86 65.5 49.6 74.4





#21
trans-1,2-Dichloroethene
Concen: 20.591 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

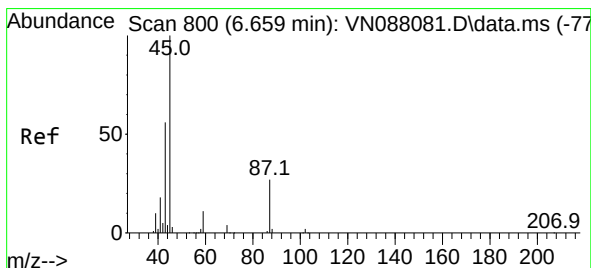
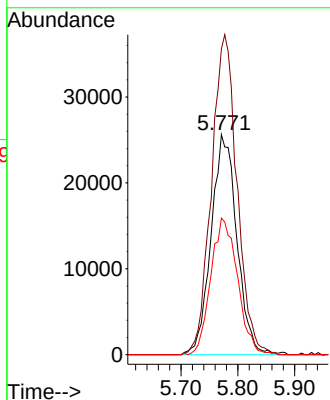
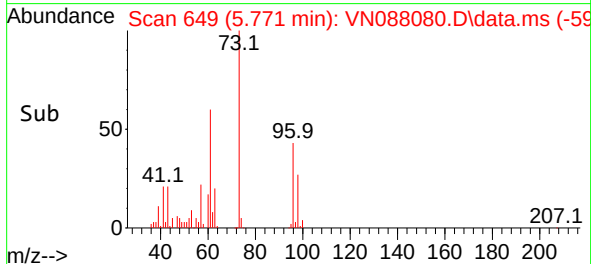
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 80720
Ion Ratio Lower Upper
96 100
61 138.9 118.0 177.0
98 62.1 50.0 75.0

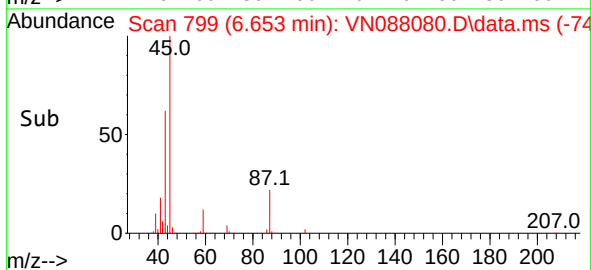
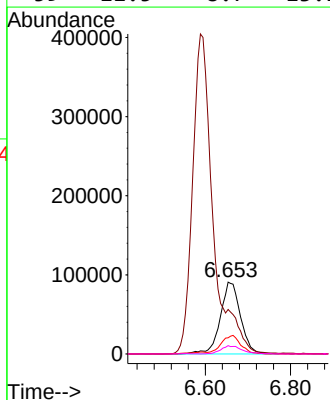
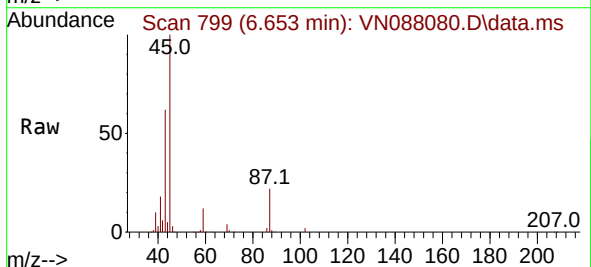
Manual Integrations
APPROVED

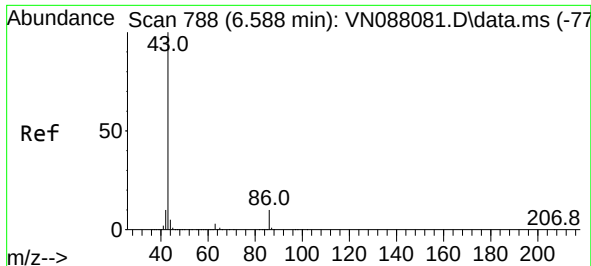
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#22
Diisopropyl ether
Concen: 22.828 ug/l
RT: 6.653 min Scan# 799
Delta R.T. -0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Tgt Ion: 45 Resp: 298356
Ion Ratio Lower Upper
45 100
43 61.1 47.7 71.5
87 22.4 21.4 32.0
59 11.5 8.7 13.1





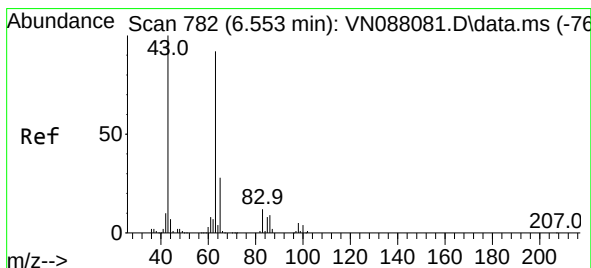
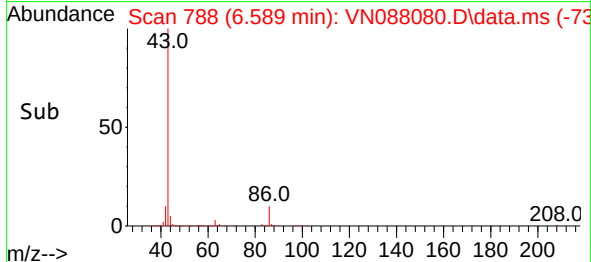
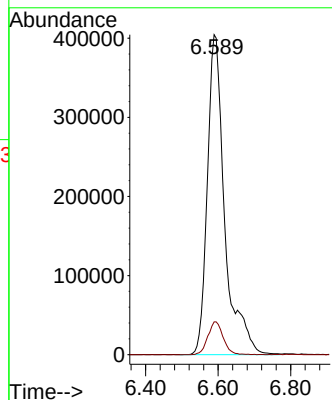
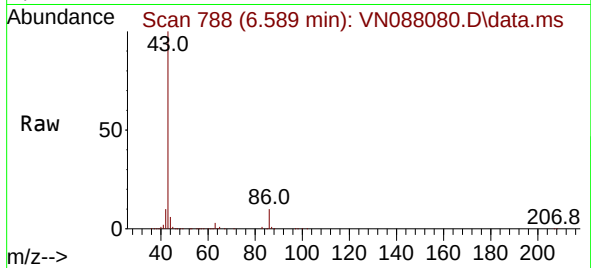
#23
 Vinyl Acetate
 Concen: 114.374 ug/l
 RT: 6.589 min Scan# 788
 Delta R.T. 0.000 min
 Lab File: VN088080.D
 Acq: 23 Oct 2025 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Tgt Ion: 43 Resp: 134649
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.2 12.4

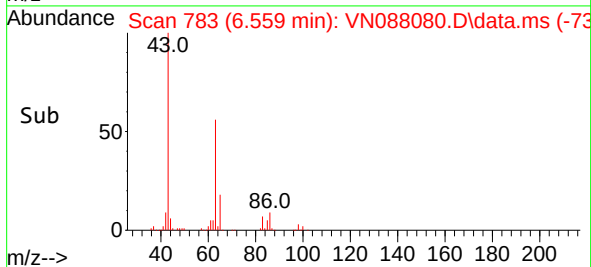
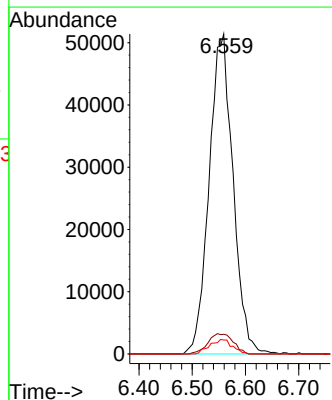
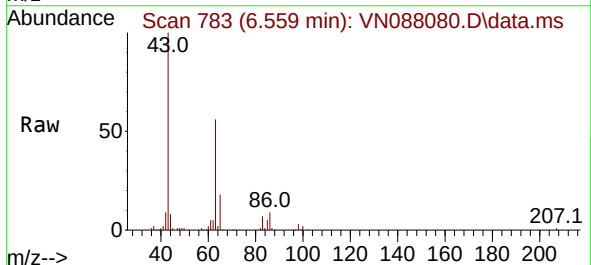
Manual Integrations
 APPROVED

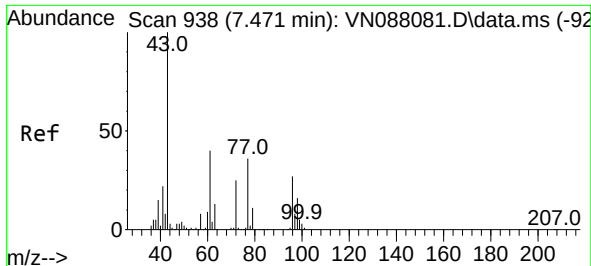
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#24
 1,1-Dichloroethane
 Concen: 22.098 ug/l
 RT: 6.559 min Scan# 783
 Delta R.T. 0.012 min
 Lab File: VN088080.D
 Acq: 23 Oct 2025 10:59

Tgt Ion: 63 Resp: 159981
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.8 11.4
 100 4.4 2.0 6.0





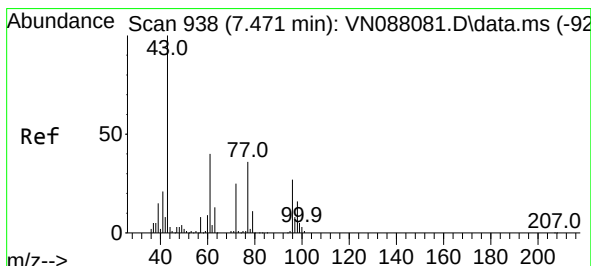
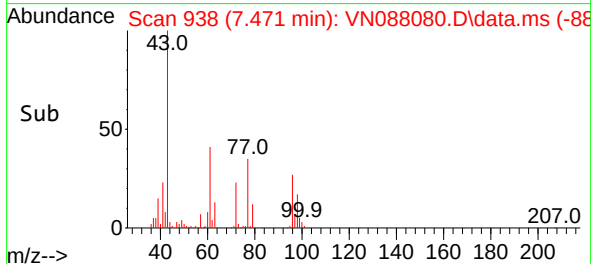
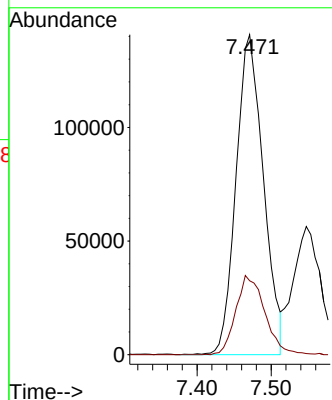
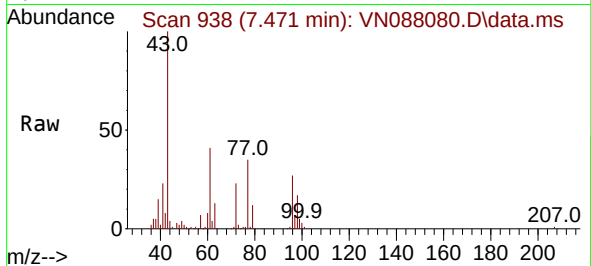
#25
2-Butanone
Concen: 112.706 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 360240
Ion Ratio Lower Upper
43 100
72 23.1 19.9 29.9

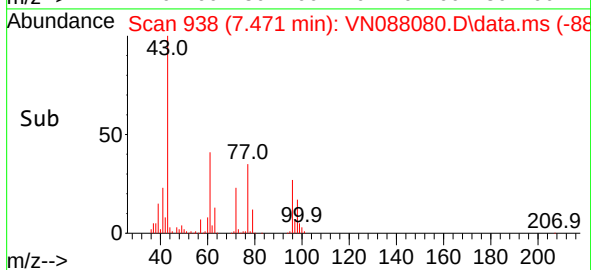
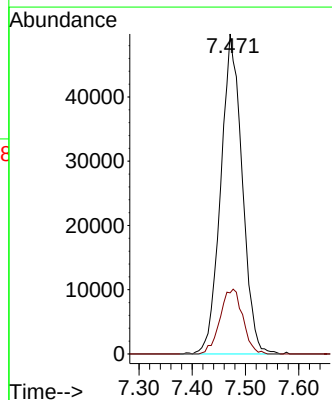
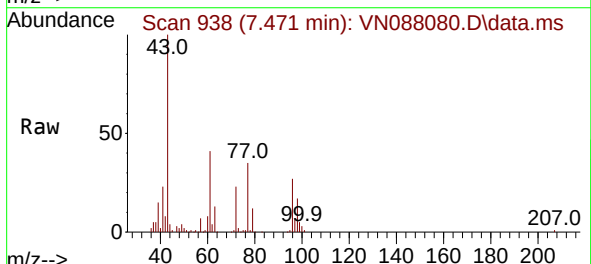
Manual Integrations
APPROVED

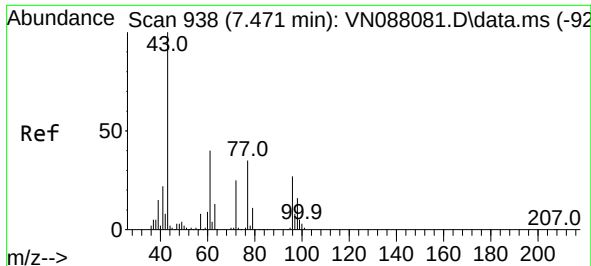
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#26
2,2-Dichloropropane
Concen: 21.169 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Tgt Ion: 77 Resp: 139276
Ion Ratio Lower Upper
77 100
97 21.5 10.9 32.7





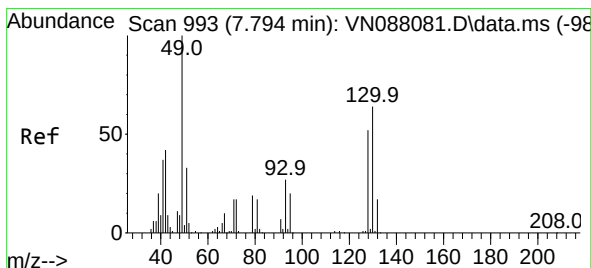
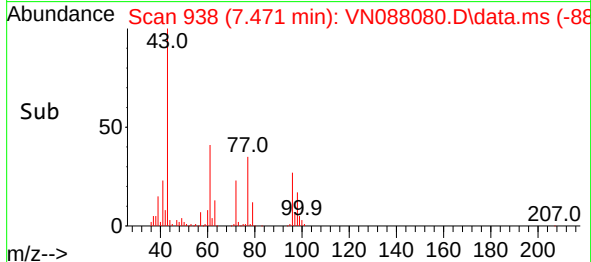
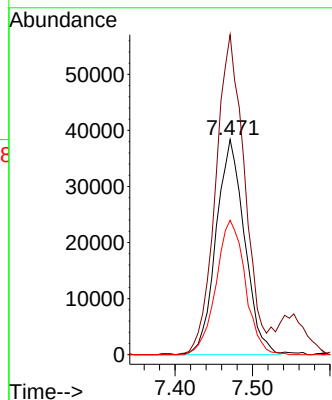
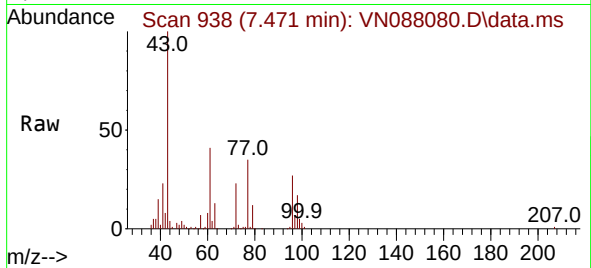
#27
 cis-1,2-Dichloroethene
 Concen: 21.866 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN088080.D
 Acq: 23 Oct 2025 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 9796
 Ion Ratio Lower Upper
 96 100
 61 150.9 0.0 301.8
 98 64.1 0.0 126.2

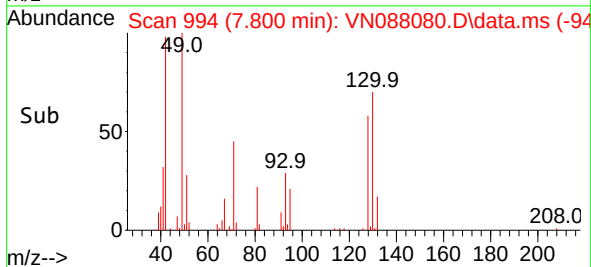
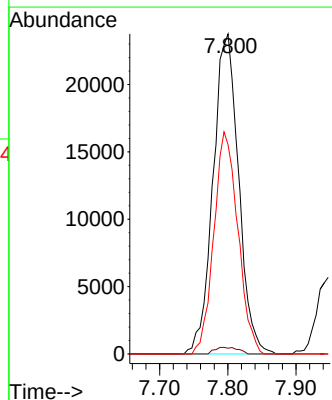
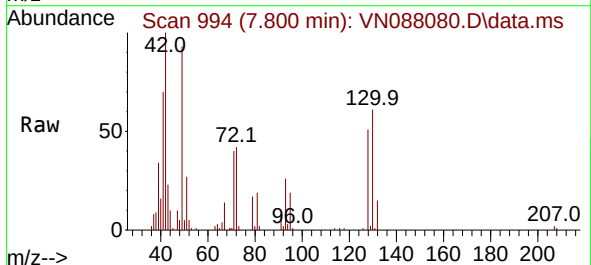
Manual Integrations
 APPROVED

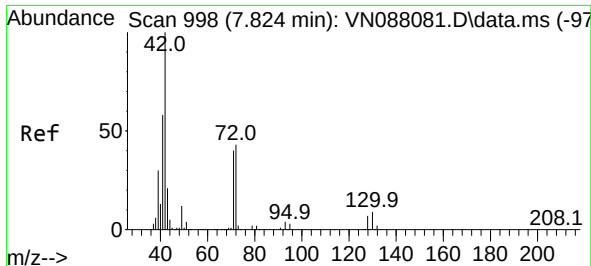
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#28
 Bromochloromethane
 Concen: 18.117 ug/l
 RT: 7.800 min Scan# 994
 Delta R.T. 0.000 min
 Lab File: VN088080.D
 Acq: 23 Oct 2025 10:59

Tgt Ion: 49 Resp: 61975
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.0
 130 65.3 53.1 79.7





#29

Tetrahydrofuran

Concen: 113.080 ug/l

RT: 7.824 min Scan# 998

Delta R.T. 0.000 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 42 Resp: 237998

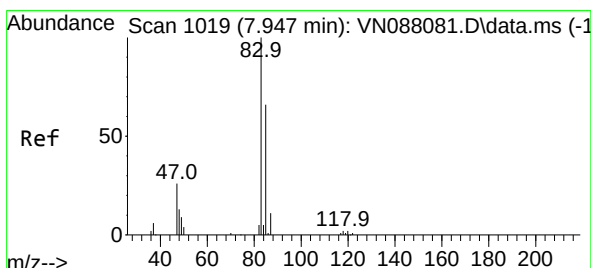
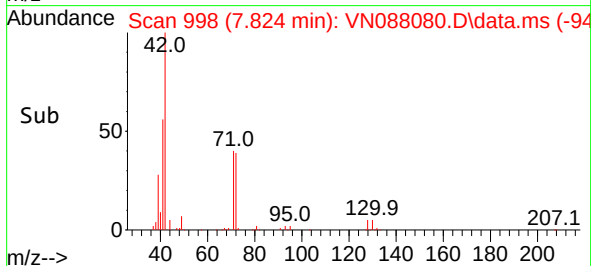
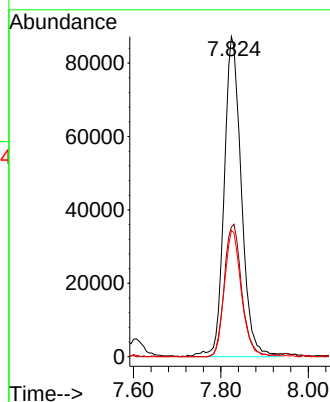
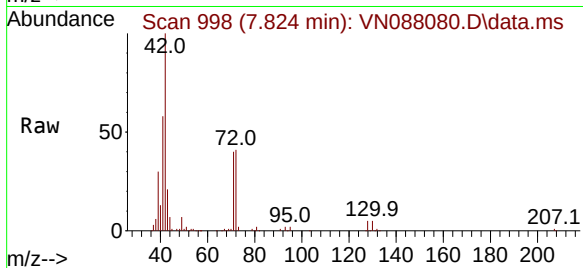
Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.7	50.5
71	39.2	31.9	47.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#30

Chloroform

Concen: 21.917 ug/l

RT: 7.947 min Scan# 1019

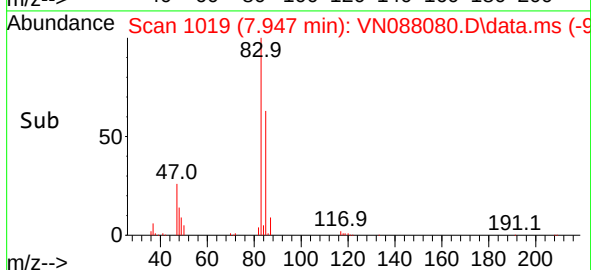
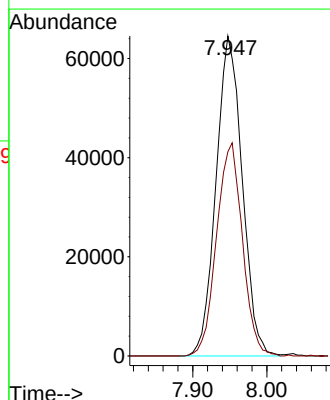
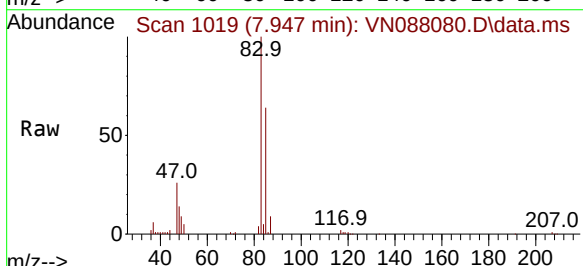
Delta R.T. 0.000 min

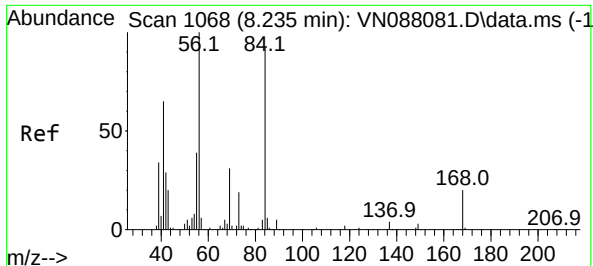
Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

Tgt Ion: 83 Resp: 158515

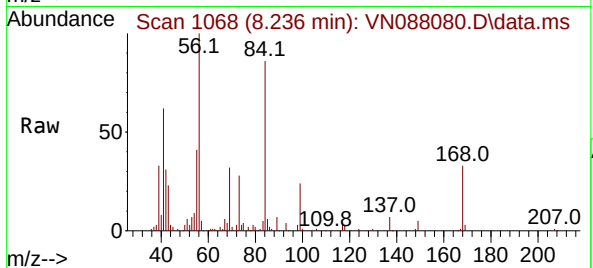
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.7	76.1





#31
Cyclohexane
Concen: 21.495 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

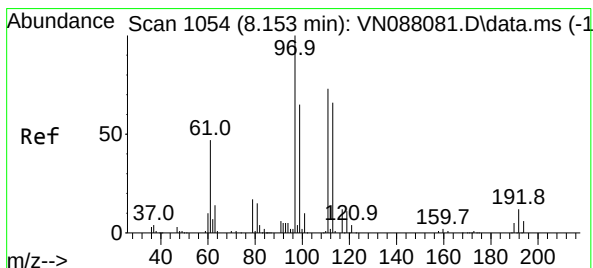
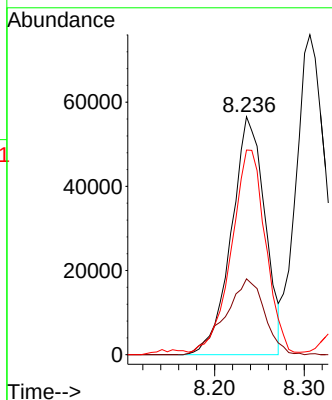
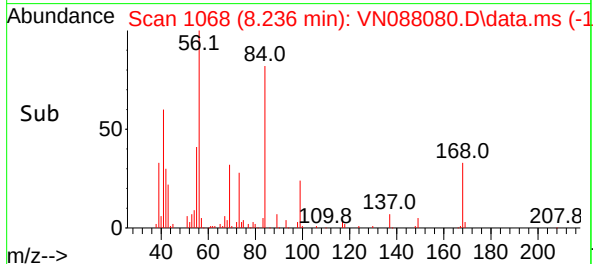
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 56 Resp: 146770
Ion Ratio Lower Upper
56 100
69 31.9 23.7 35.5
84 84.3 64.7 97.1

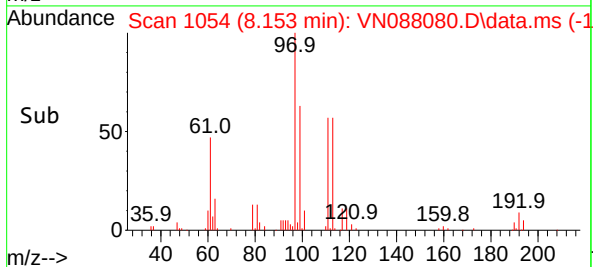
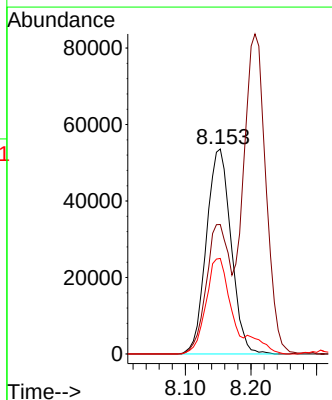
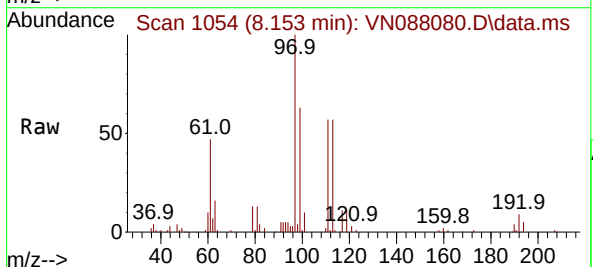
Manual Integrations
APPROVED

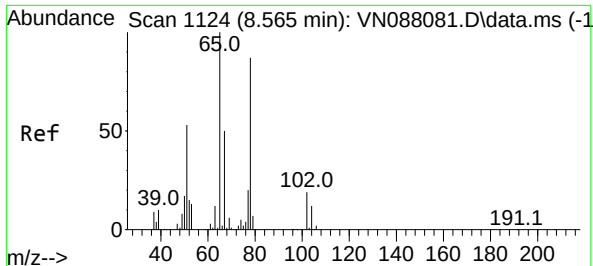
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#32
1,1,1-Trichloroethane
Concen: 21.745 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Tgt Ion: 97 Resp: 140074
Ion Ratio Lower Upper
97 100
99 58.9 52.2 78.2
61 45.5 41.2 61.8





#33

1,2-Dichloroethane-d4

Concen: 21.175 ug/l

RT: 8.559 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 10329

Ion Ratio Lower Upper

65 100

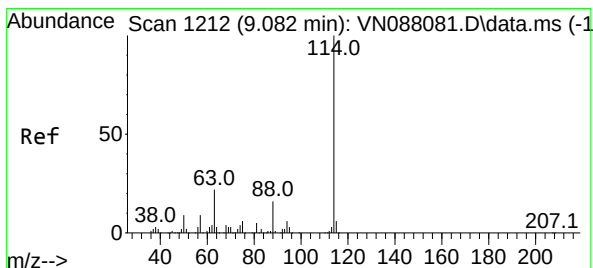
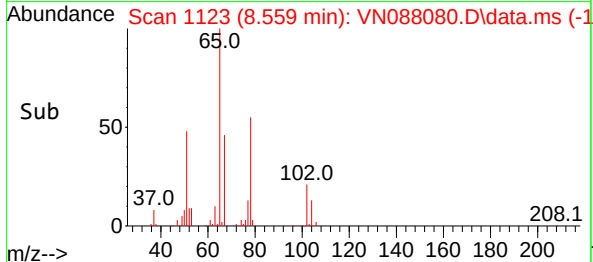
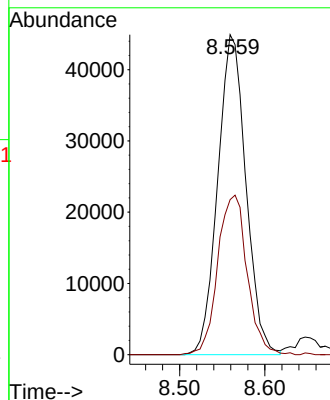
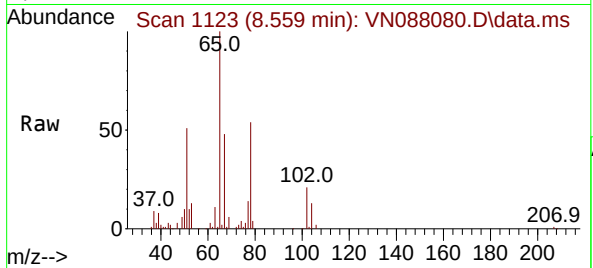
67 52.0 0.0 100.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

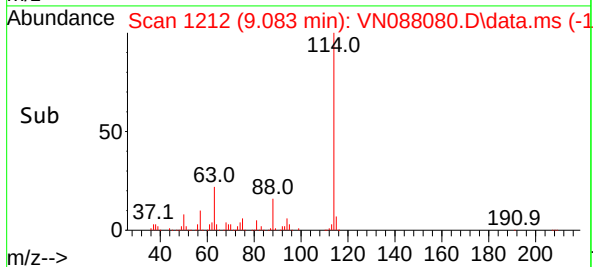
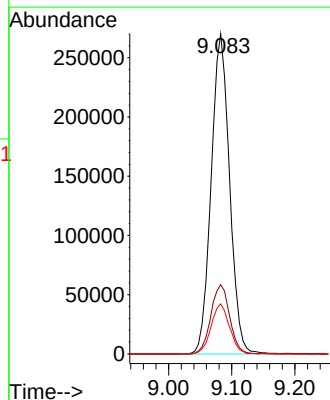
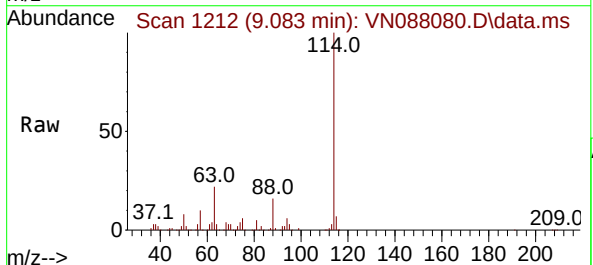
Tgt Ion:114 Resp: 546178

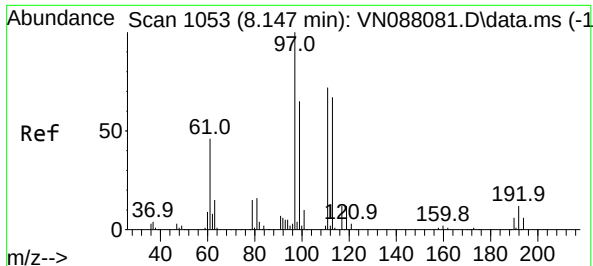
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.2

88 15.7 0.0 33.4





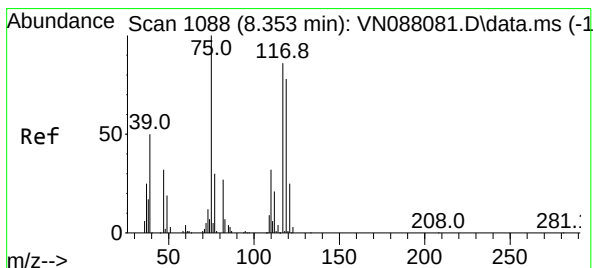
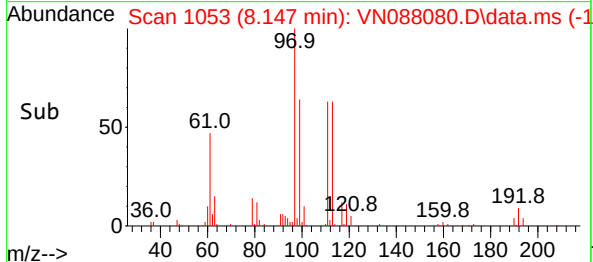
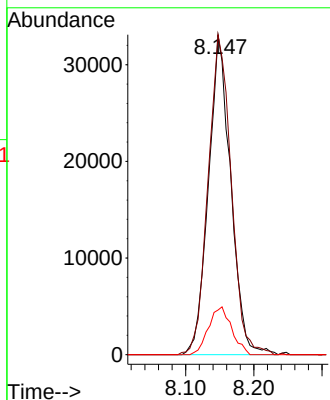
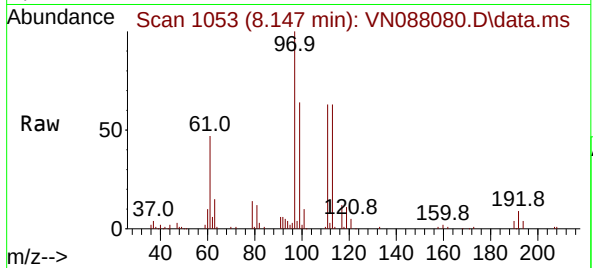
#35
Dibromofluoromethane
Concen: 20.500 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:113 Resp: 7522
Ion Ratio Lower Upper
113 100
111 103.7 82.8 124.2
192 15.5 12.8 19.2

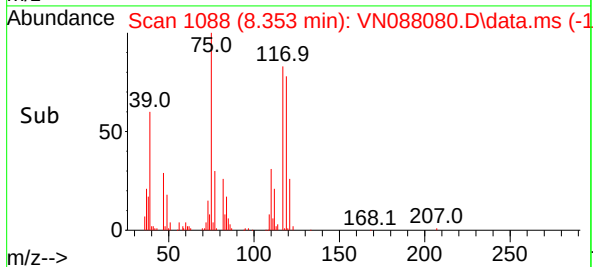
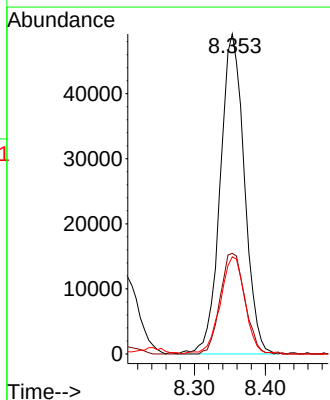
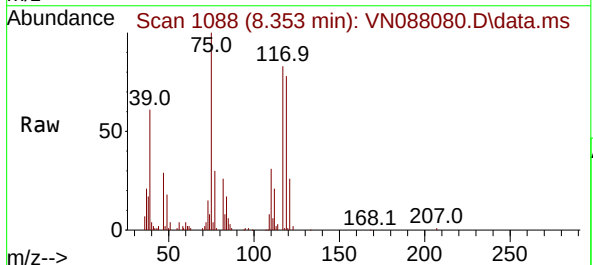
Manual Integrations
APPROVED

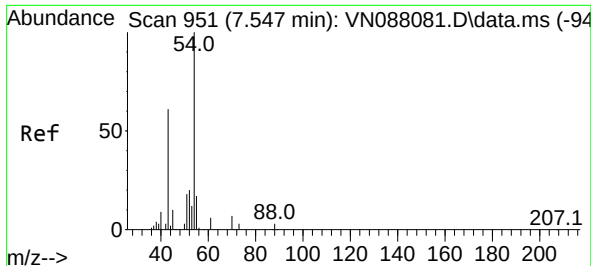
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#36
1,1-Dichloropropene
Concen: 21.630 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

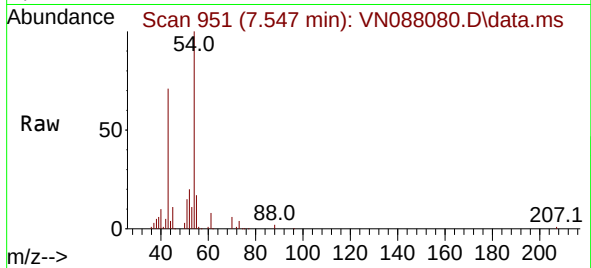
Tgt Ion: 75 Resp: 115884
Ion Ratio Lower Upper
75 100
110 32.1 15.9 47.6
77 31.2 24.4 36.6





#37
Ethyl Acetate
Concen: 21.466 ug/l
RT: 7.547 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

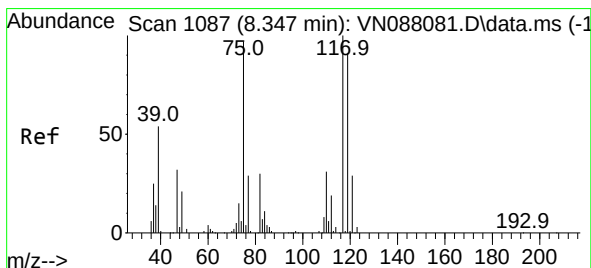
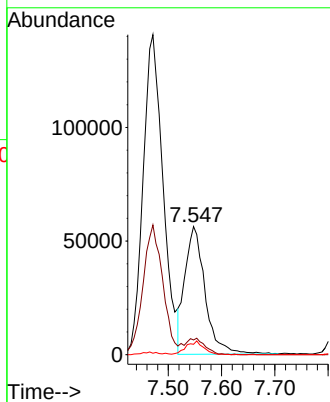
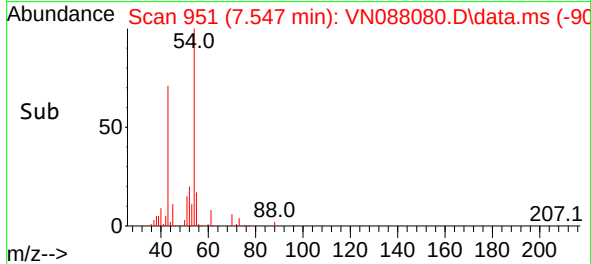
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 14778
Ion Ratio Lower Upper
43 100
61 11.1 9.3 13.9
70 9.3 7.0 10.6

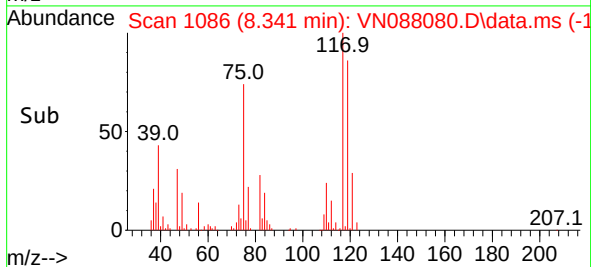
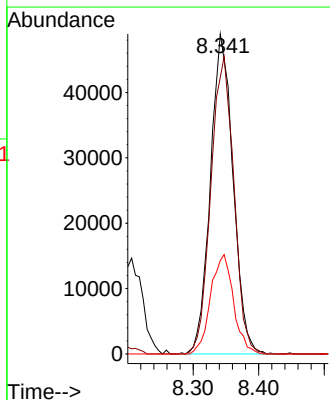
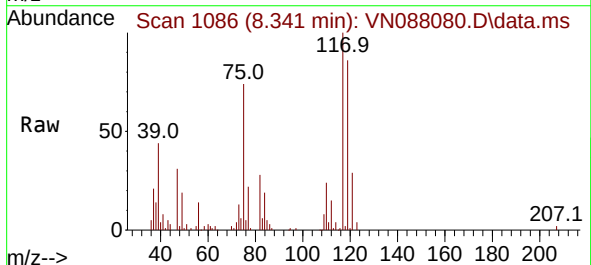
Manual Integrations
APPROVED

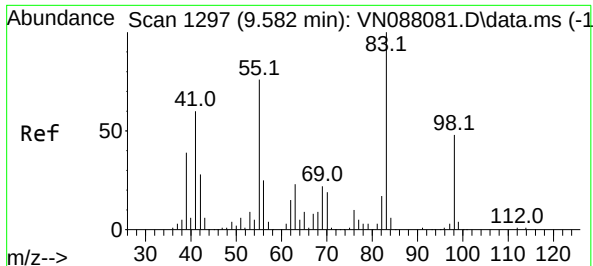
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#38
Carbon Tetrachloride
Concen: 21.223 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Tgt Ion:117 Resp: 117435
Ion Ratio Lower Upper
117 100
119 86.4 79.0 118.6
121 29.2 25.0 37.6





#39

Methylcyclohexane

Concen: 20.099 ug/l

RT: 9.583 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 138414

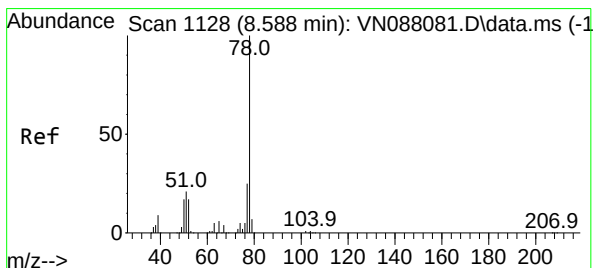
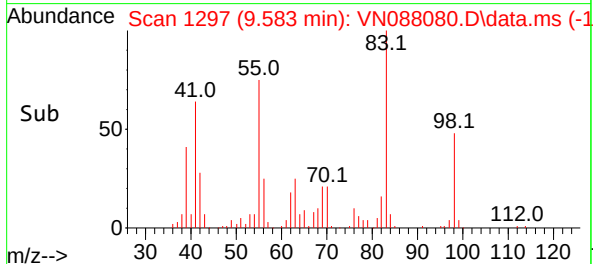
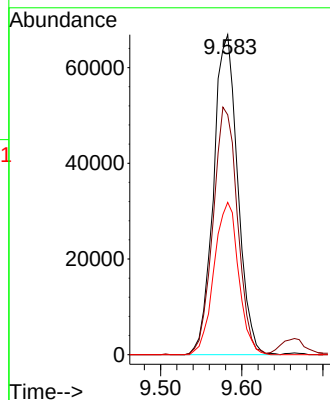
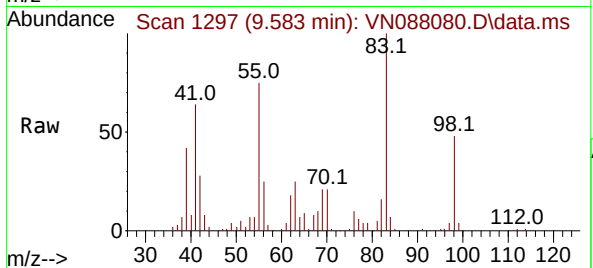
Ion	Ratio	Lower	Upper
83	100		
55	74.9	64.6	96.8
98	47.6	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#40

Benzene

Concen: 21.551 ug/l

RT: 8.588 min Scan# 1128

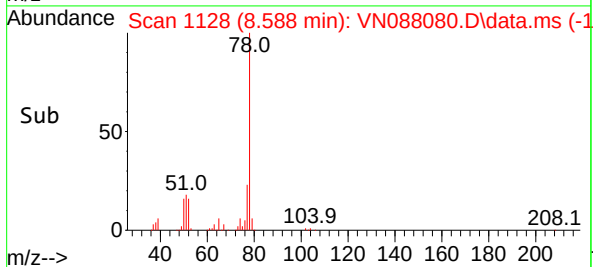
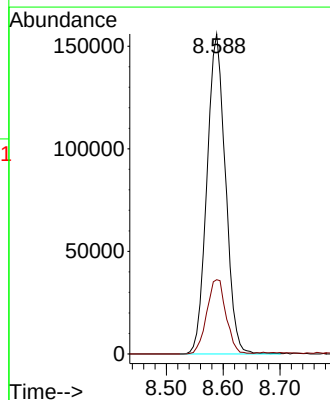
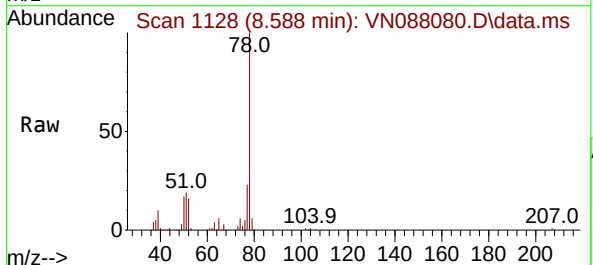
Delta R.T. 0.000 min

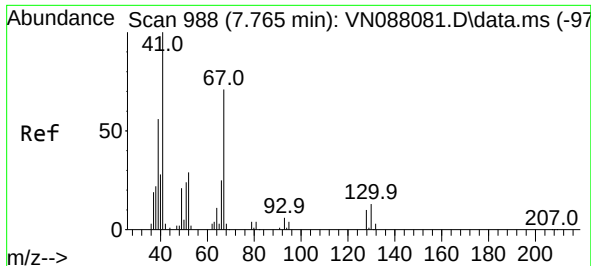
Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

Tgt Ion: 78 Resp: 351627

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.7	29.5





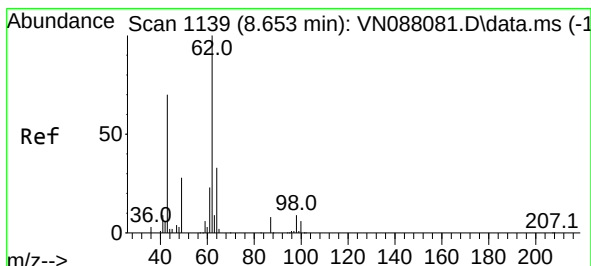
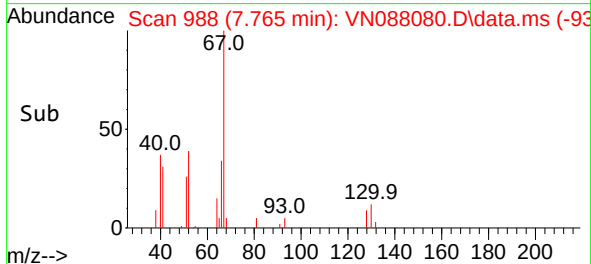
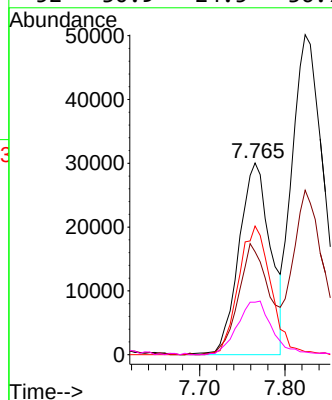
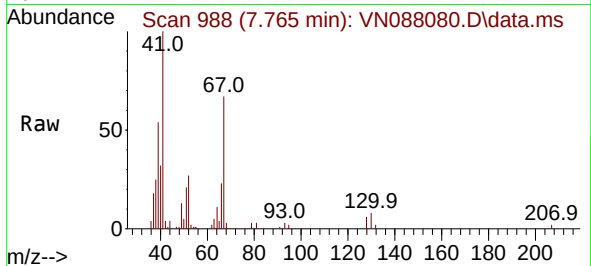
#41
Methacrylonitrile
Concen: 21.272 ug/l
RT: 7.765 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	7740
Ion	Ratio	Lower	Upper
41	100		
39	56.4	45.4	68.0
67	69.1	55.3	82.9
52	30.9	24.5	36.7

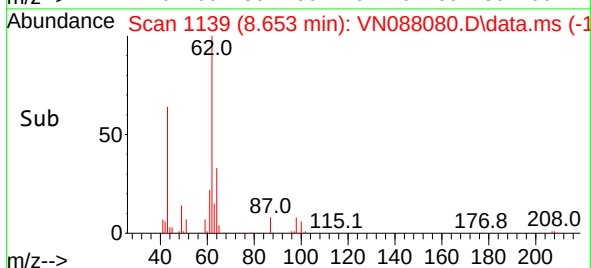
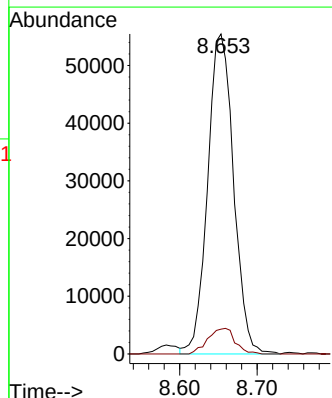
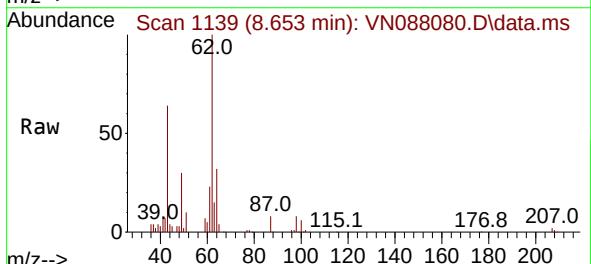
Manual Integrations
APPROVED

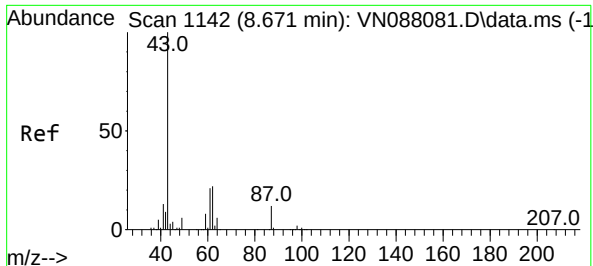
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#42
1,2-Dichloroethane
Concen: 22.239 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Tgt Ion:	62	Resp:	128925
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4





#43

Isopropyl Acetate

Concen: 21.914 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

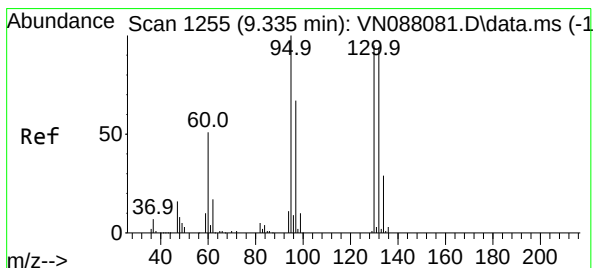
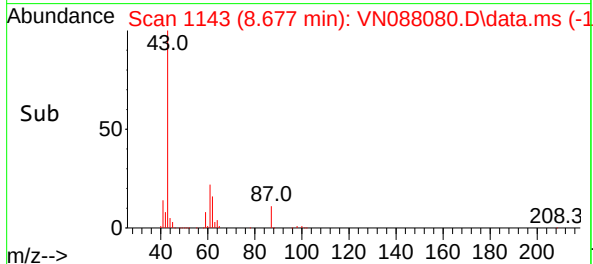
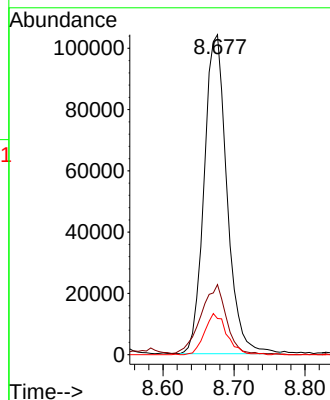
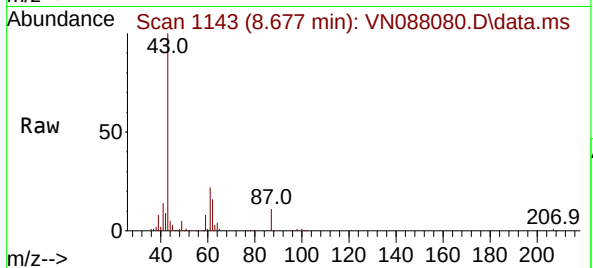
Tgt Ion:	43	Resp:	232810
Ion	Ratio	Lower	Upper
43	100		
61	25.1	18.8	28.2
87	12.6	9.6	14.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#44

Trichloroethene

Concen: 21.452 ug/l

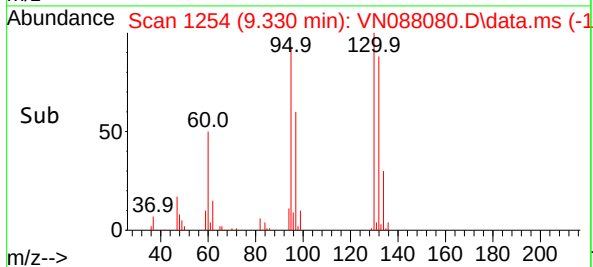
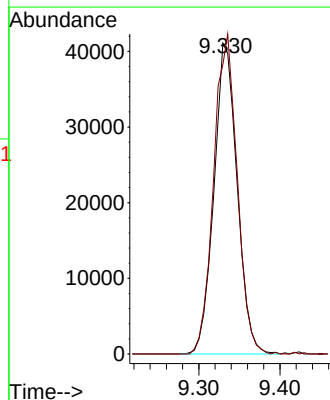
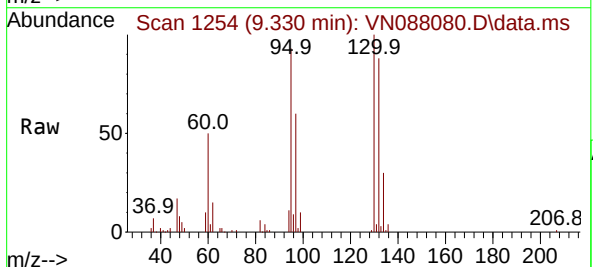
RT: 9.330 min Scan# 1254

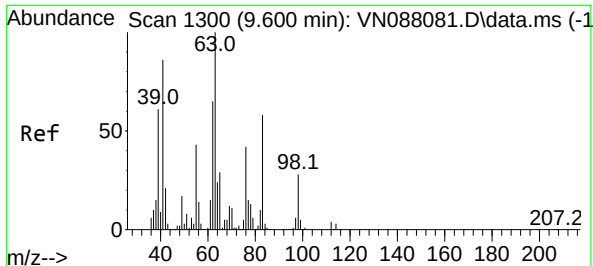
Delta R.T. 0.000 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

Tgt Ion:	130	Resp:	81811
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	212.0





#45

1,2-Dichloropropane

Concen: 21.033 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 63 Resp: 86639

Ion Ratio Lower Upper

63 100

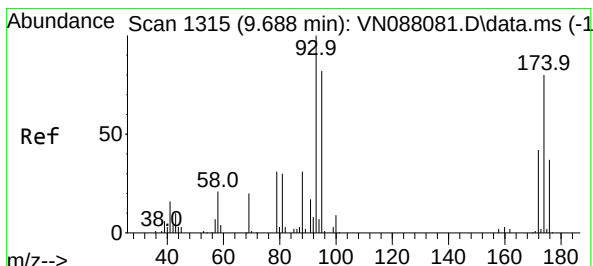
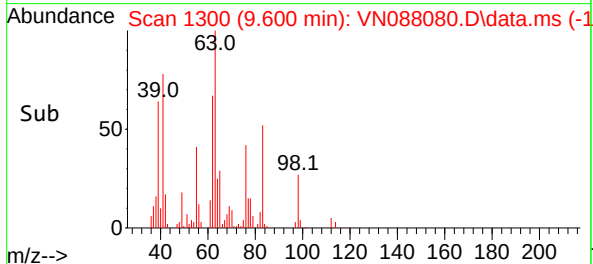
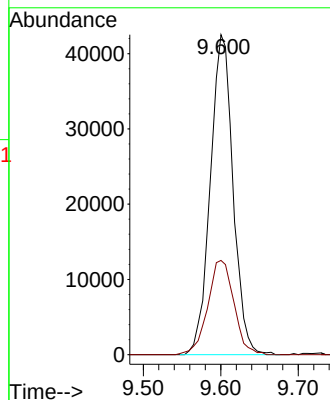
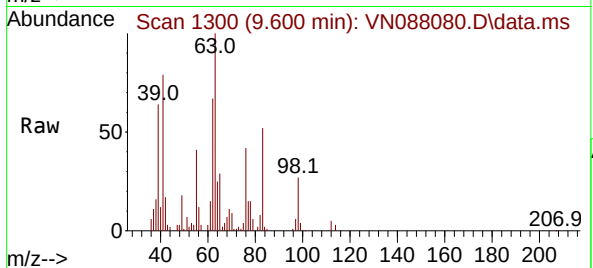
65 29.5 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#46

Dibromomethane

Concen: 21.923 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

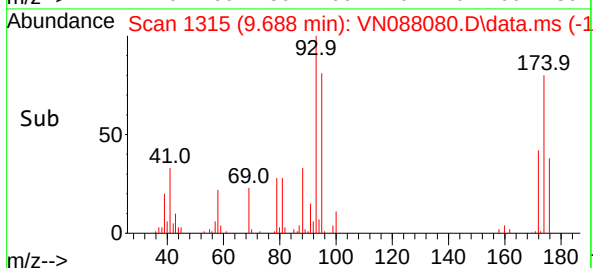
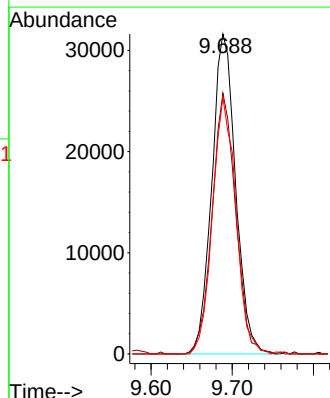
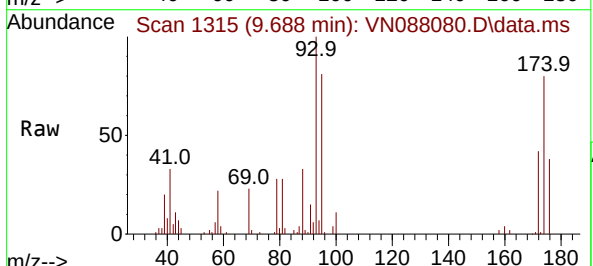
Tgt Ion: 93 Resp: 64404

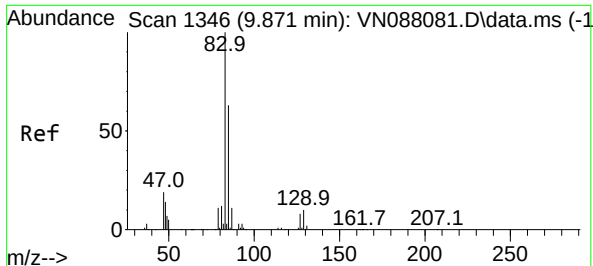
Ion Ratio Lower Upper

93 100

95 80.9 66.2 99.4

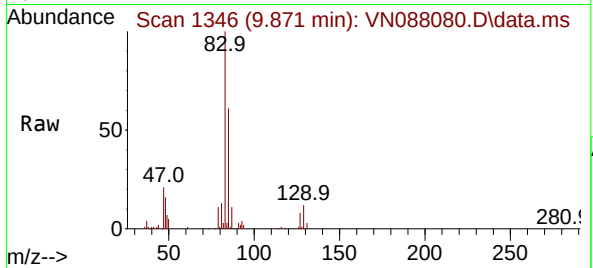
174 78.8 63.4 95.2





#47
Bromodichloromethane
Concen: 21.895 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

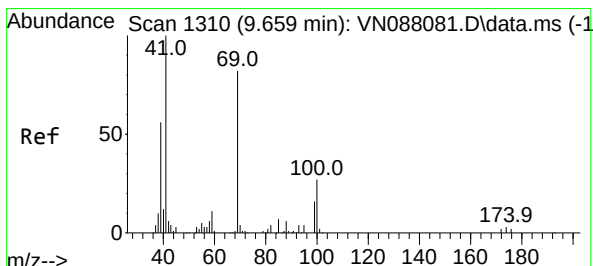
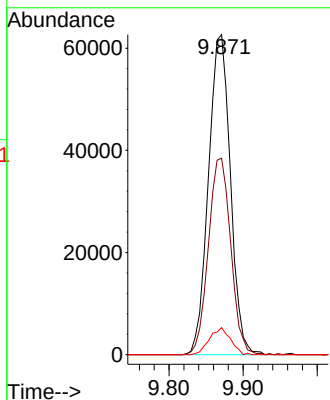
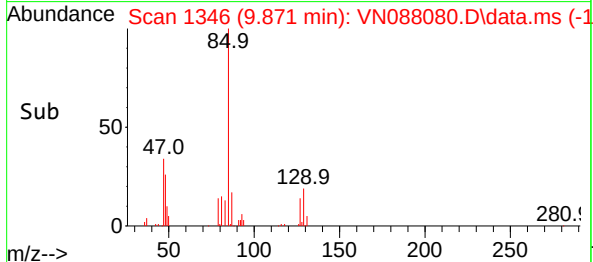
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



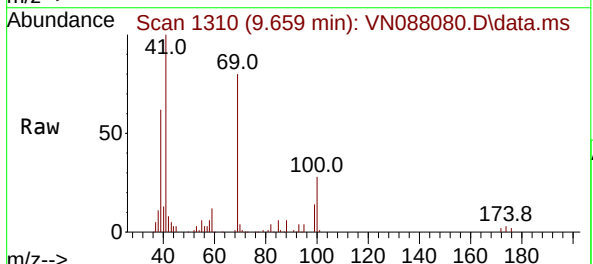
Tgt Ion: 83 Resp: 12878
Ion Ratio Lower Upper
83 100
85 61.4 52.5 78.7
127 8.5 5.8 8.6

Manual Integrations
APPROVED

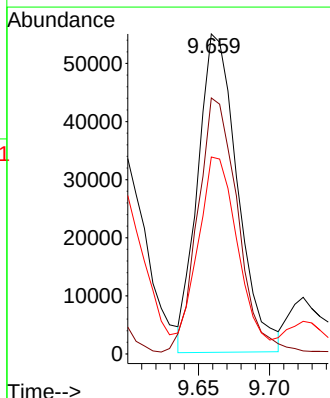
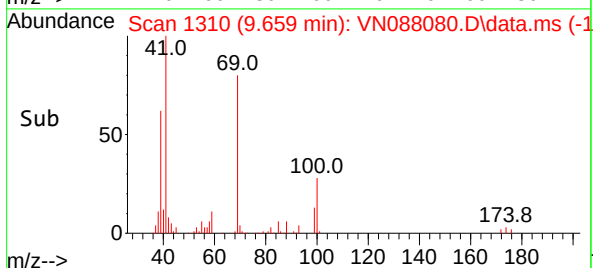
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

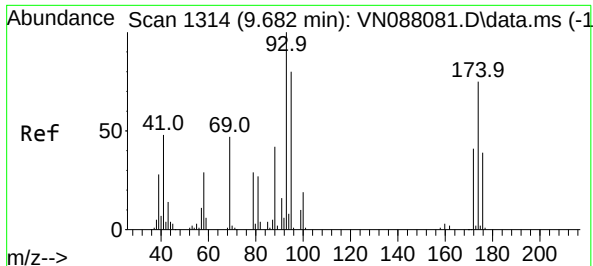


#48
Methyl methacrylate
Concen: 21.182 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59



Tgt Ion: 41 Resp: 106892
Ion Ratio Lower Upper
41 100
69 80.8 62.7 94.1
39 62.9 52.9 79.3





#49

1,4-Dioxane

Concen: 459.958 ug/l

RT: 9.677 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 88 Resp: 2805

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

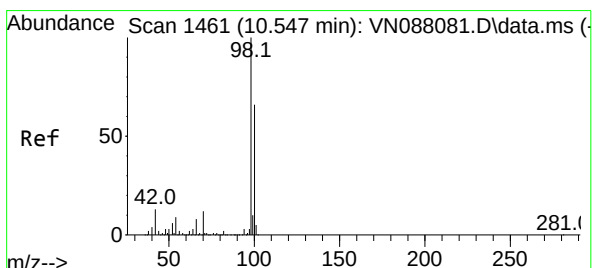
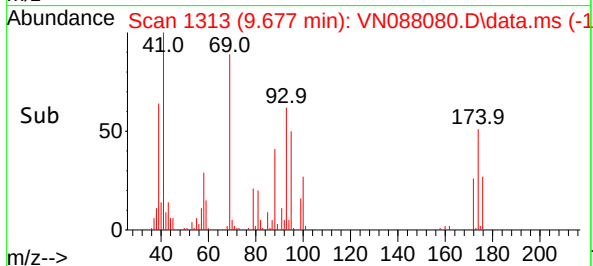
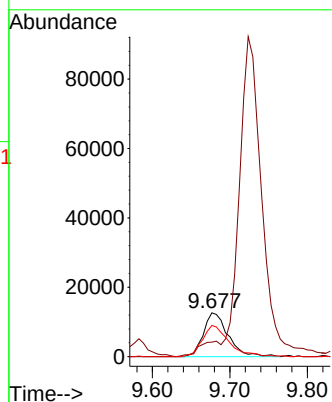
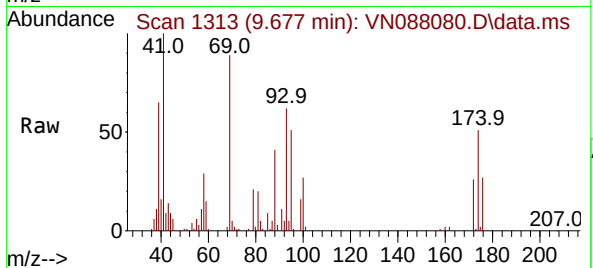
58 77.1 57.9 86.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#50

Toluene-d8

Concen: 20.057 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN088080.D

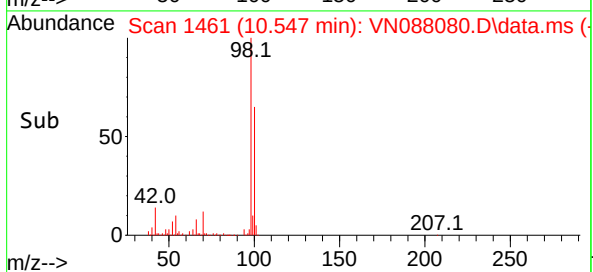
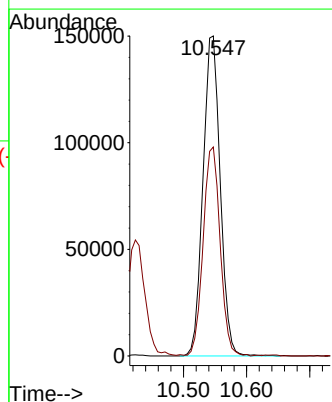
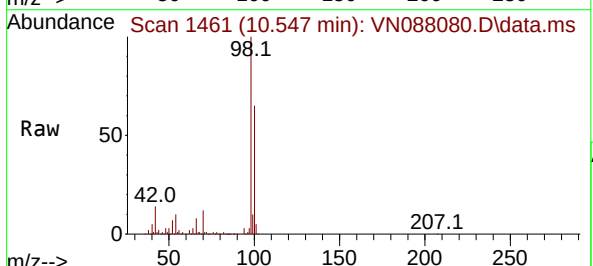
Acq: 23 Oct 2025 10:59

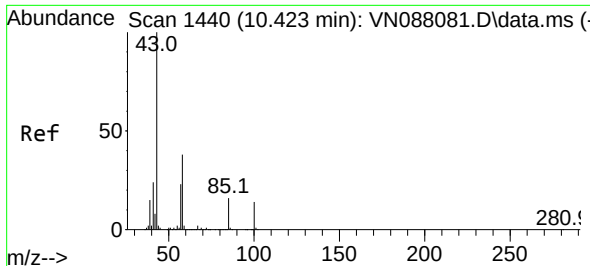
Tgt Ion: 98 Resp: 283564

Ion Ratio Lower Upper

98 100

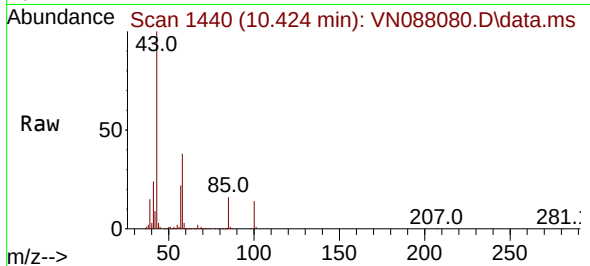
100 64.1 52.8 79.2





#51
4-Methyl-2-Pentanone
Concen: 112.466 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

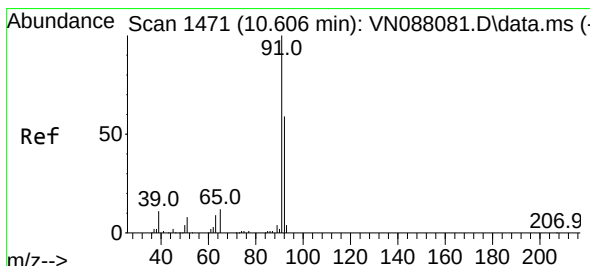
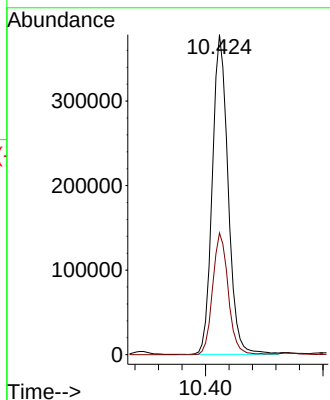
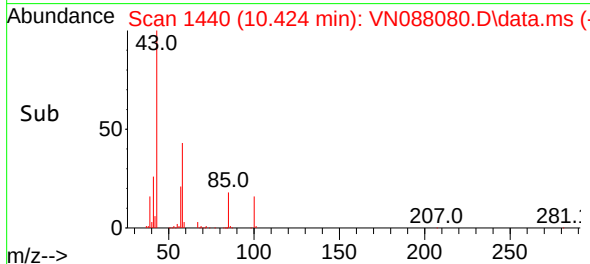
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 70684
Ion Ratio Lower Upper
43 100
58 37.5 29.6 44.4

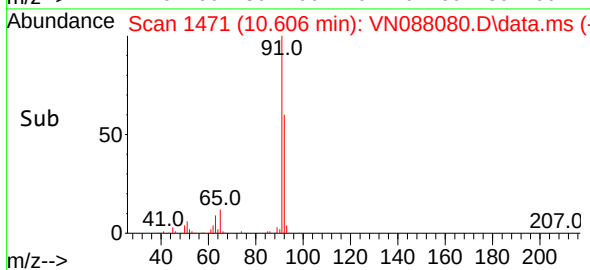
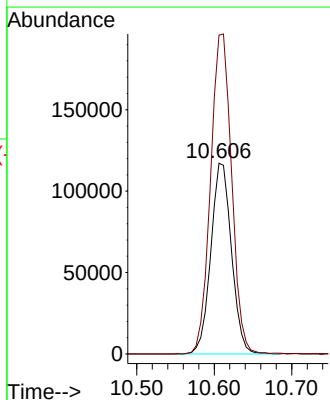
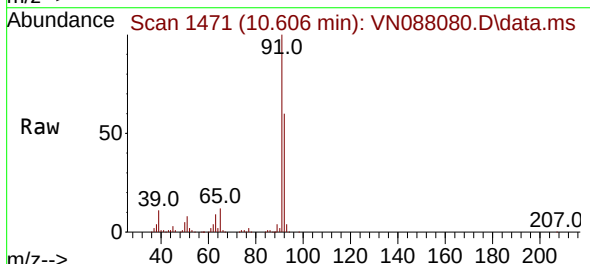
Manual Integrations
APPROVED

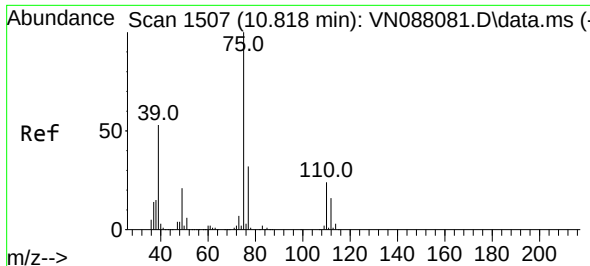
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#52
Toluene
Concen: 21.530 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

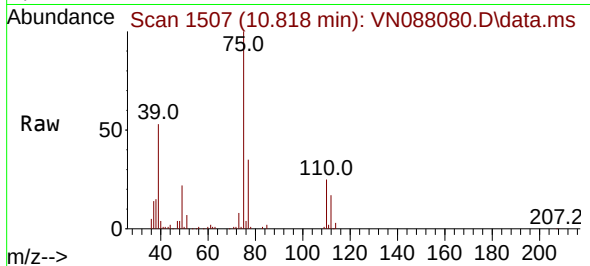
Tgt Ion: 92 Resp: 216580
Ion Ratio Lower Upper
92 100
91 171.6 140.4 210.6





#53
t-1,3-Dichloropropene
Concen: 21.581 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

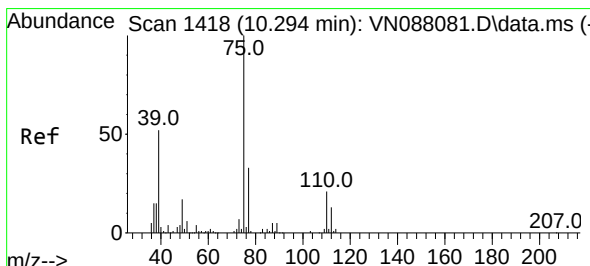
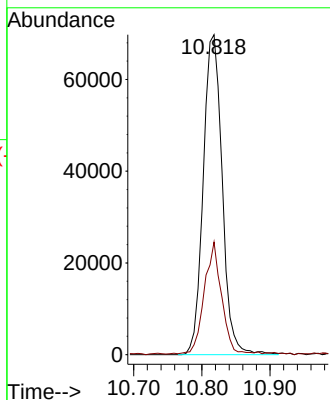
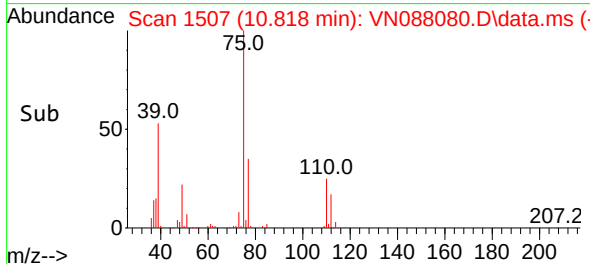
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



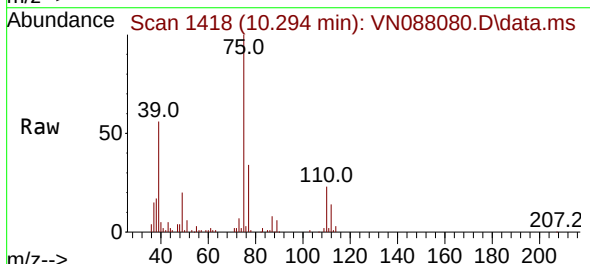
Tgt Ion: 75 Resp: 135097
Ion Ratio Lower Upper
75 100
77 34.9 25.2 37.8

Manual Integrations
APPROVED

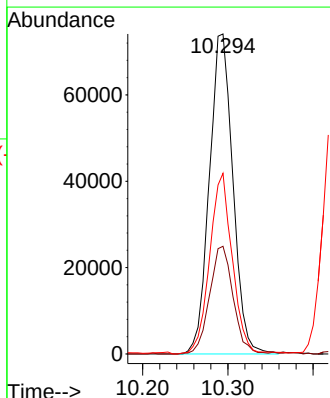
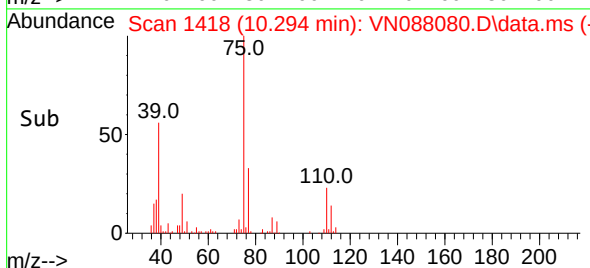
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

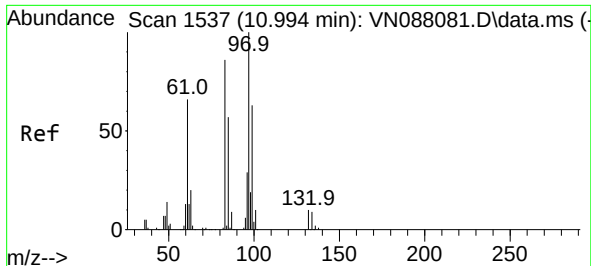


#54
cis-1,3-Dichloropropene
Concen: 21.447 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59



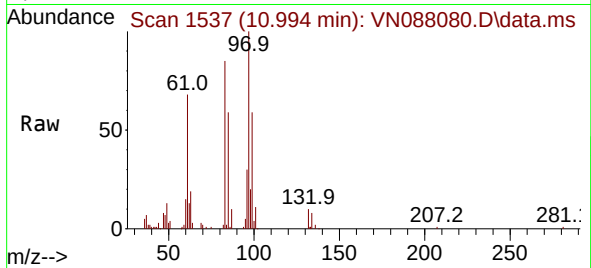
Tgt Ion: 75 Resp: 142472
Ion Ratio Lower Upper
75 100
77 33.7 24.6 37.0
39 56.5 45.2 67.8





#55
1,1,2-Trichloroethane
Concen: 21.426 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

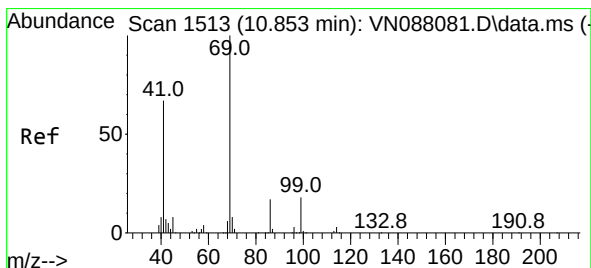
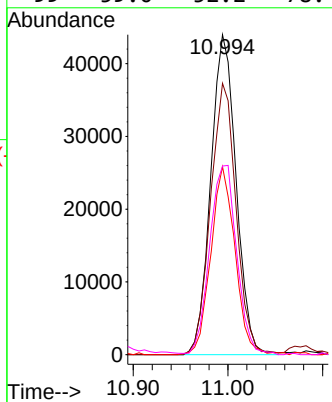
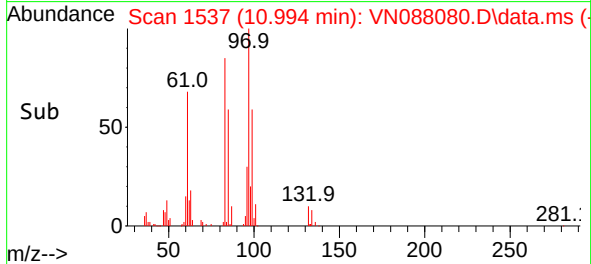
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



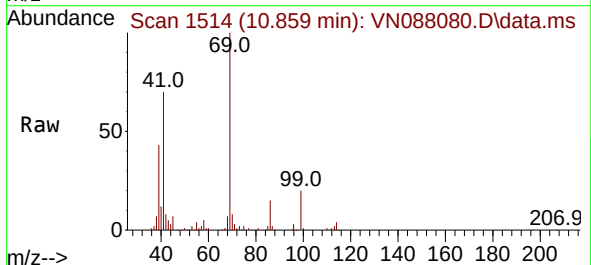
Tgt Ion:	97	Resp:	8177
Ion	Ratio	Lower	Upper
97	100		
83	84.8	68.2	102.4
85	58.7	45.5	68.3
99	59.0	52.2	78.4

Manual Integrations
APPROVED

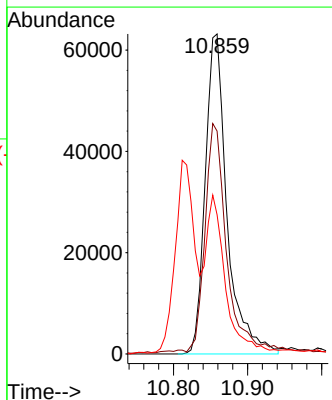
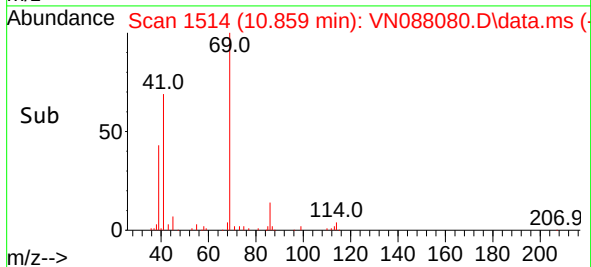
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

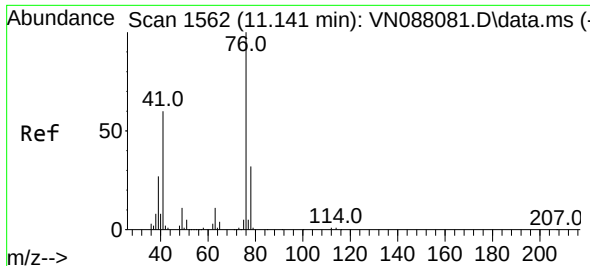


#56
Ethyl methacrylate
Concen: 21.460 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59



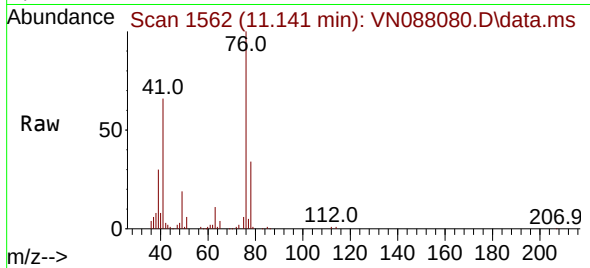
Tgt Ion:	69	Resp:	129419
Ion	Ratio	Lower	Upper
69	100		
41	72.2	56.5	84.7
39	42.6	34.2	51.4





#57
1,3-Dichloropropane
Concen: 21.938 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

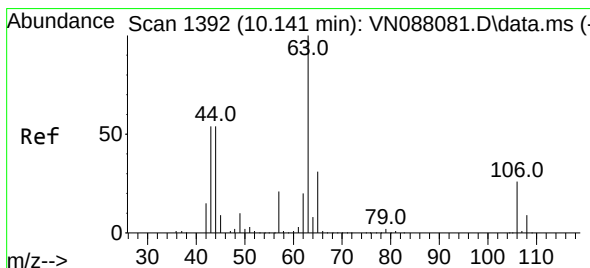
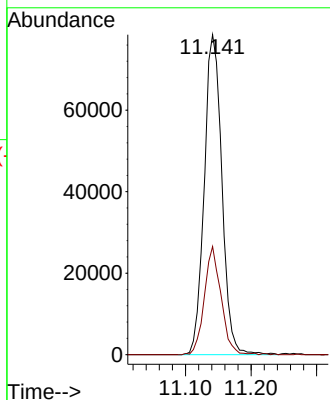
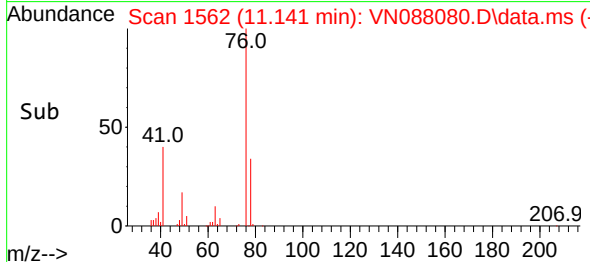
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 147164
Ion Ratio Lower Upper
76 100
78 32.0 26.2 39.4

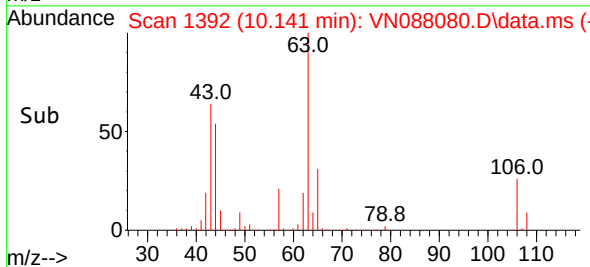
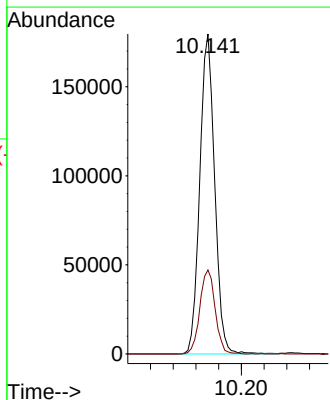
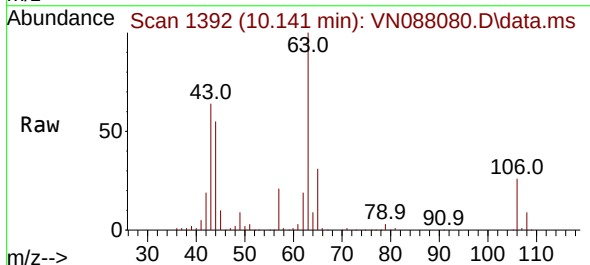
Manual Integrations
APPROVED

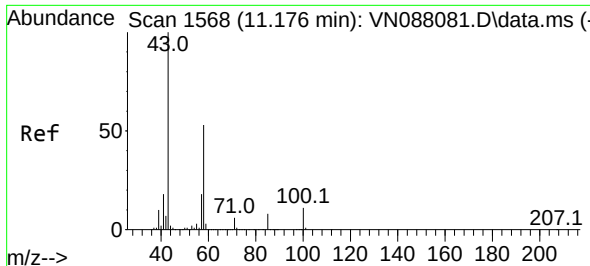
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#58
2-Chloroethyl Vinyl ether
Concen: 103.833 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Tgt Ion: 63 Resp: 326199
Ion Ratio Lower Upper
63 100
106 26.9 21.1 31.7





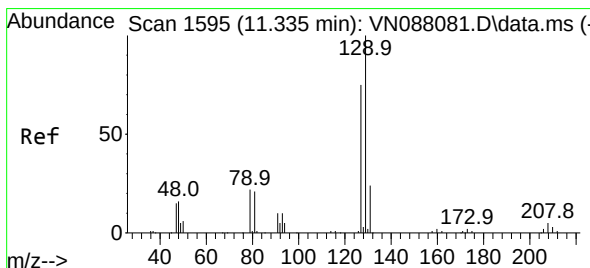
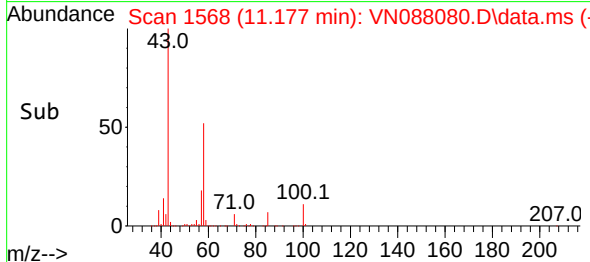
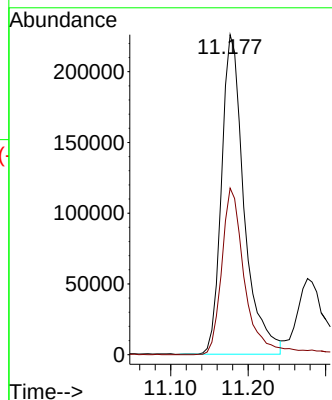
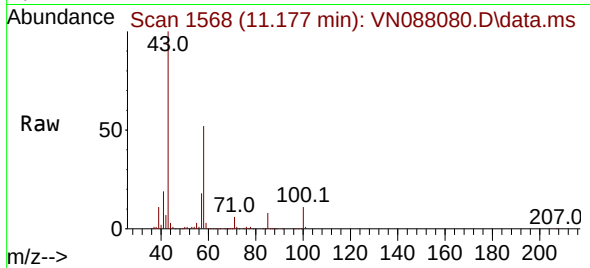
#59
2-Hexanone
Concen: 110.762 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 456992
Ion Ratio Lower Upper
43 100
58 54.7 25.9 77.8

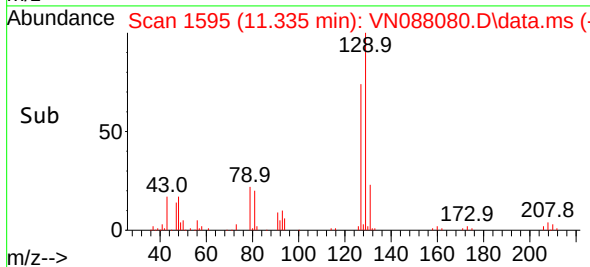
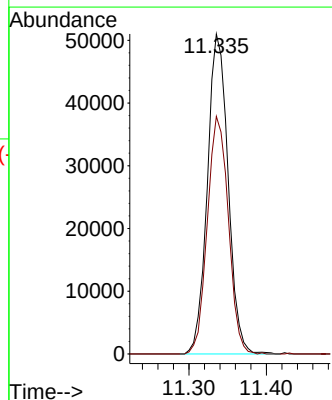
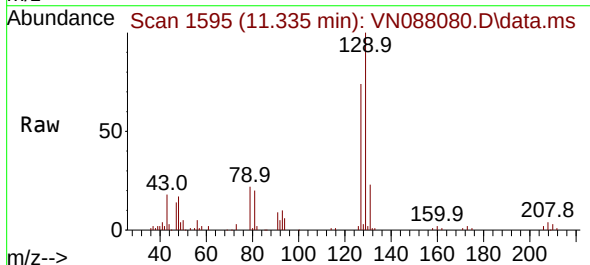
Manual Integrations
APPROVED

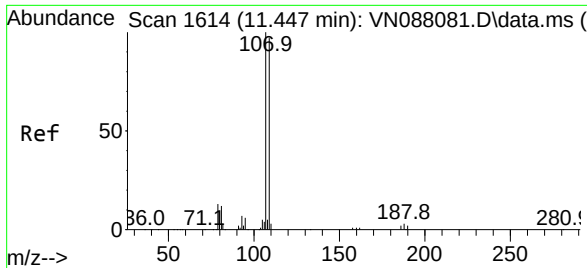
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#60
Dibromochloromethane
Concen: 21.821 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

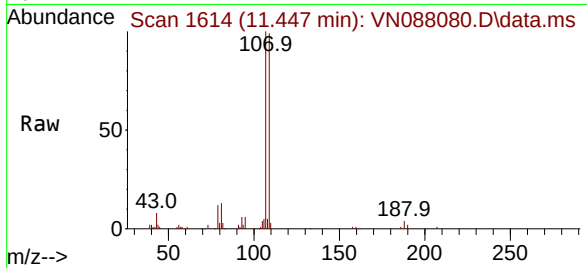
Tgt Ion:129 Resp: 94659
Ion Ratio Lower Upper
129 100
127 75.2 39.1 117.3





#61
1,2-Dibromoethane
Concen: 21.341 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

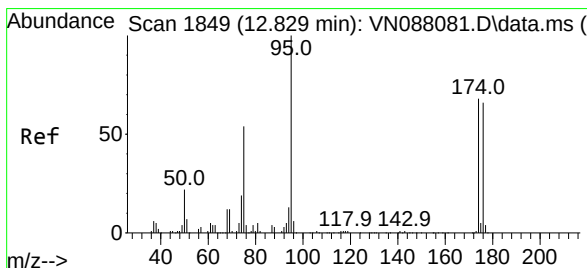
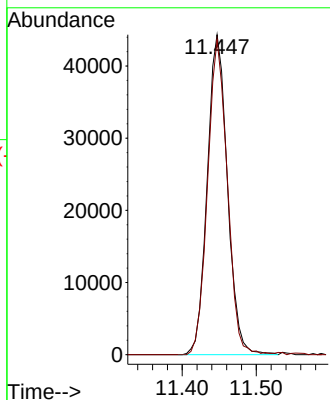
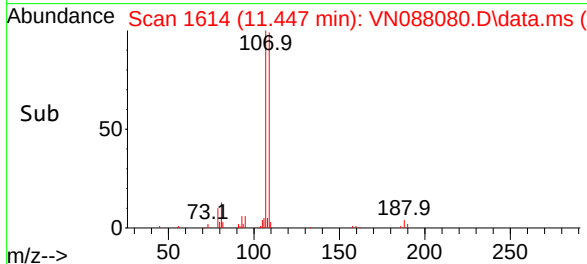
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



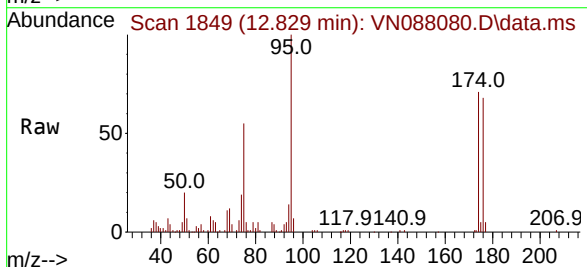
Tgt Ion:107 Resp: 83824
Ion Ratio Lower Upper
107 100
109 96.3 74.7 112.1

Manual Integrations
APPROVED

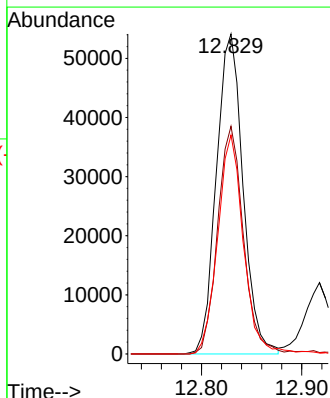
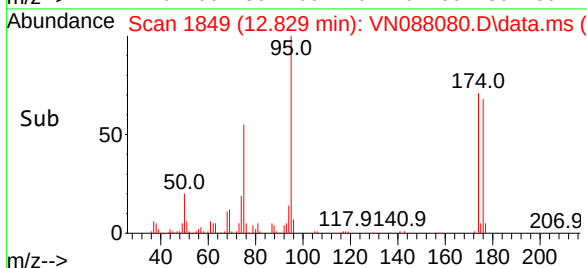
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

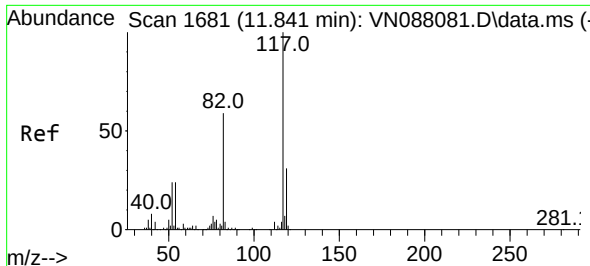


#62
4-Bromofluorobenzene
Concen: 20.012 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59



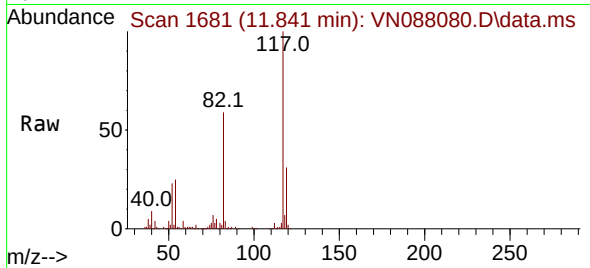
Tgt Ion: 95 Resp: 99923
Ion Ratio Lower Upper
95 100
174 68.7 0.0 138.4
176 66.4 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

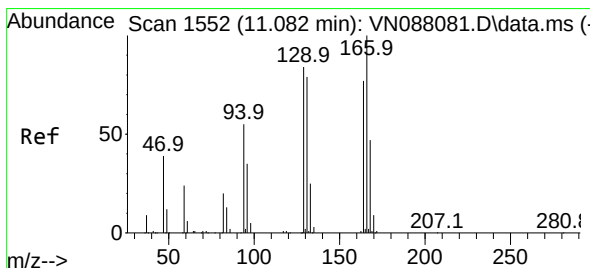
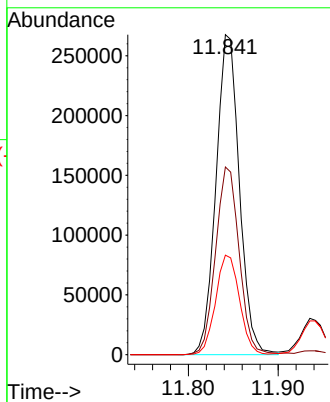
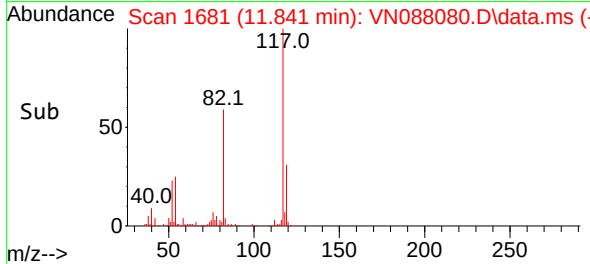
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



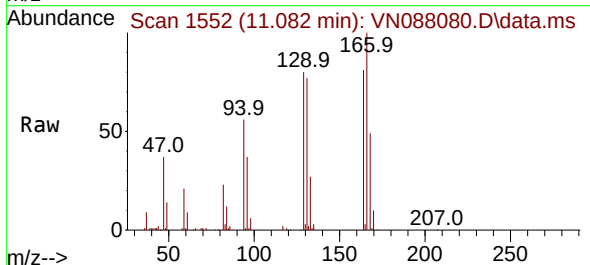
Tgt Ion:117 Resp: 485620
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 31.1 24.3 36.5

Manual Integrations
APPROVED

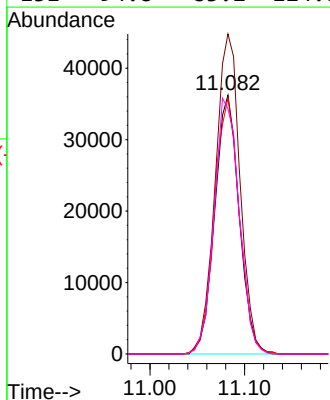
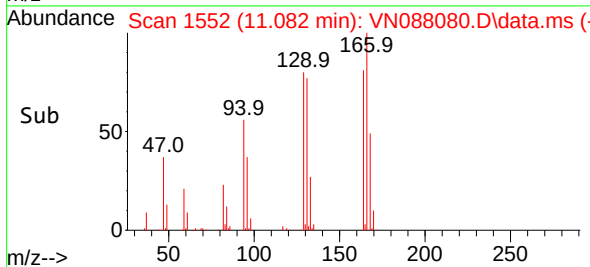
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

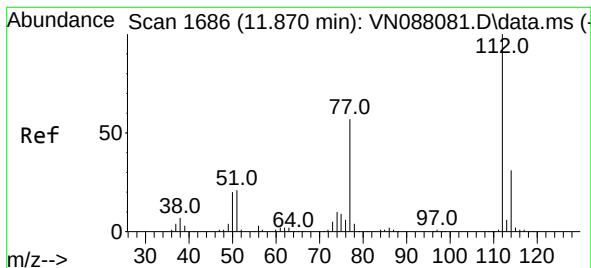


#64
Tetrachloroethene
Concen: 20.298 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59



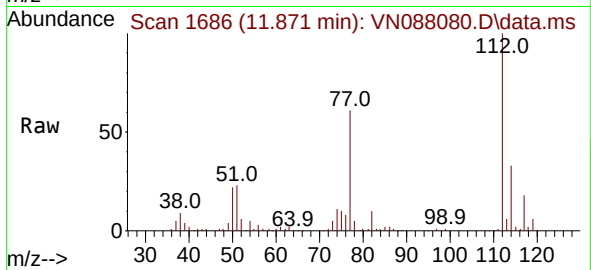
Tgt Ion:164 Resp: 65019
Ion Ratio Lower Upper
164 100
166 123.7 97.7 146.5
129 98.9 85.9 128.9
131 94.8 83.2 124.8





#65
Chlorobenzene
Concen: 21.219 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

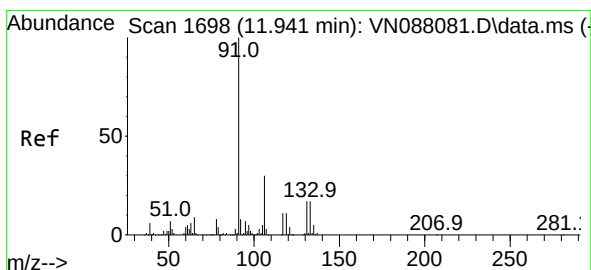
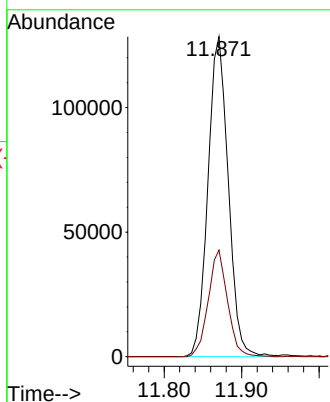
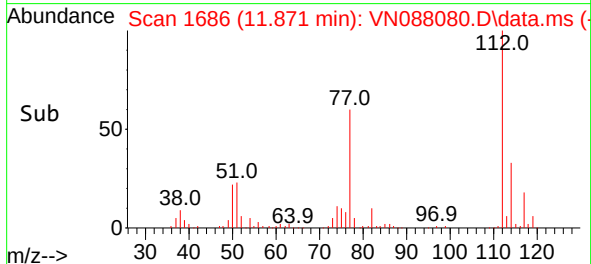
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



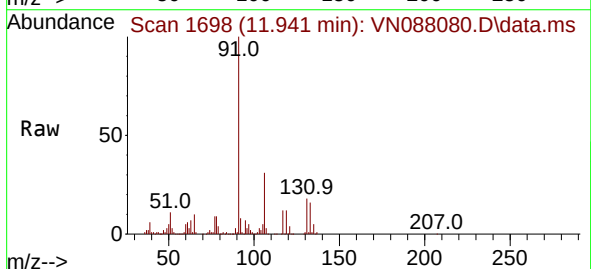
Tgt Ion:112 Resp: 233970
Ion Ratio Lower Upper
112 100
114 33.3 24.3 36.5

Manual Integrations
APPROVED

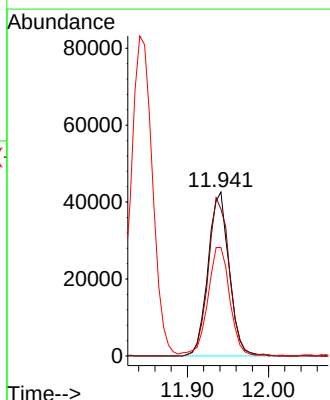
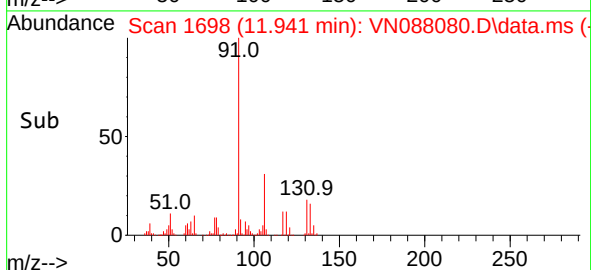
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

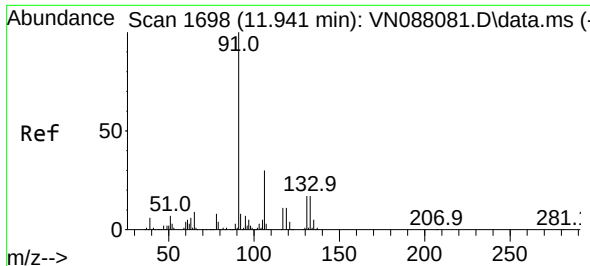


#66
1,1,1,2-Tetrachloroethane
Concen: 21.259 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59



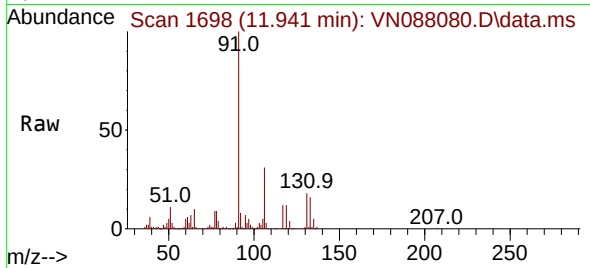
Tgt Ion:131 Resp: 76803
Ion Ratio Lower Upper
131 100
133 97.3 48.0 144.0
119 69.8 32.6 97.7





#67
Ethyl Benzene
Concen: 21.311 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

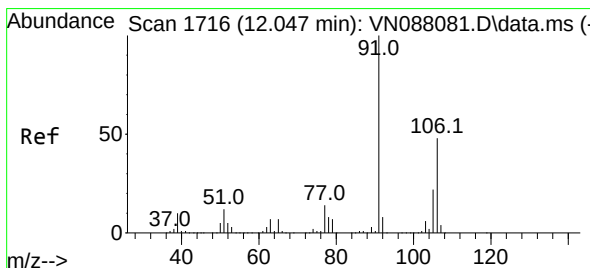
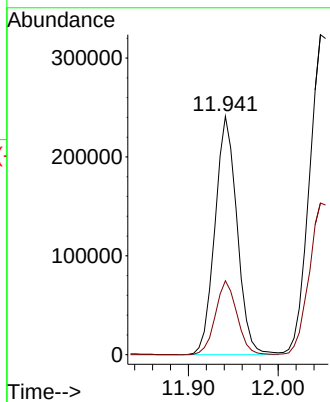
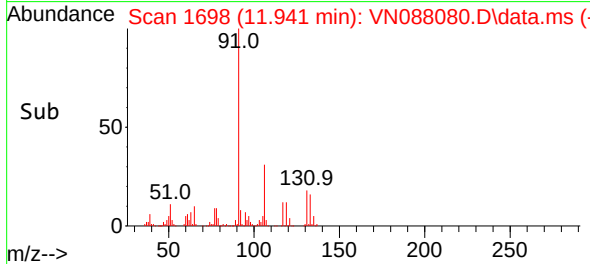
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



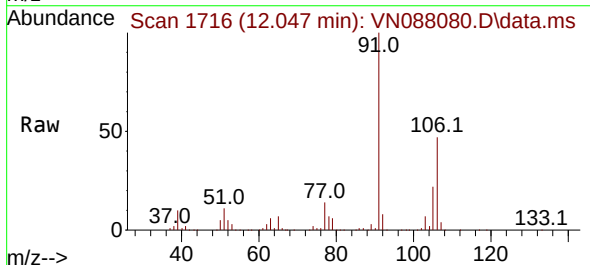
Tgt Ion: 91 Resp: 41248
Ion Ratio Lower Upper
91 100
106 31.0 24.1 36.1

Manual Integrations
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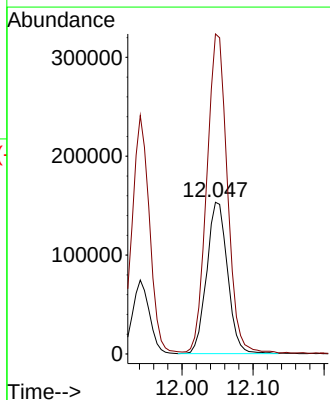
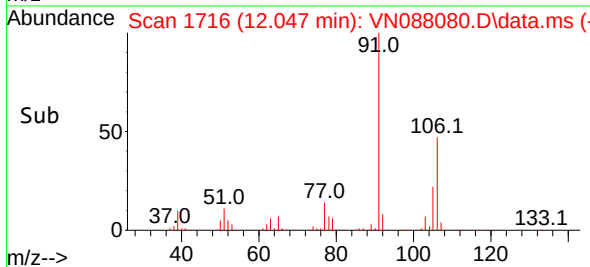
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

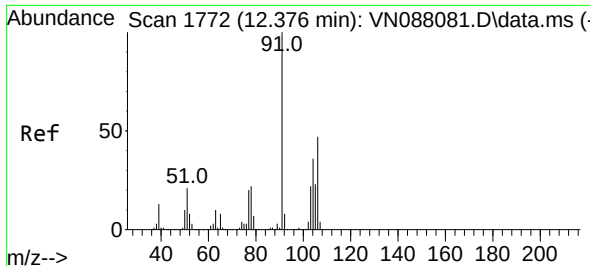


#68
m/p-Xylenes
Concen: 43.046 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59



Tgt Ion:106 Resp: 312179
Ion Ratio Lower Upper
106 100
91 207.7 169.3 253.9





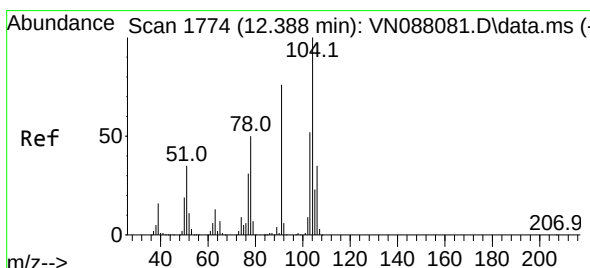
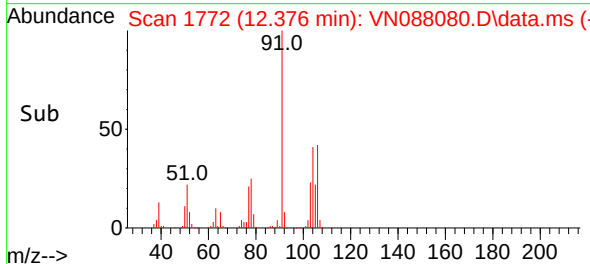
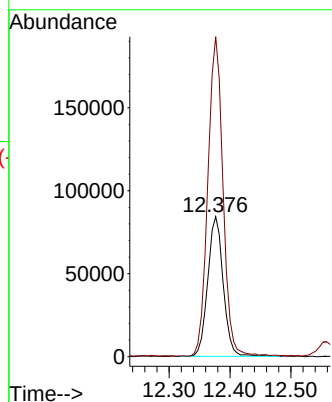
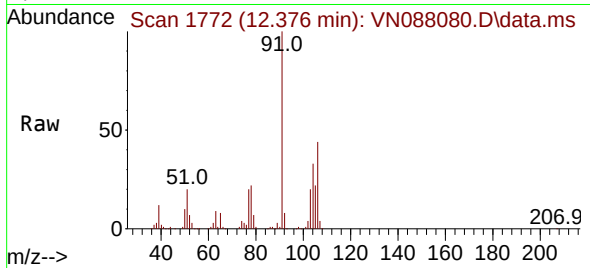
#69
o-Xylene
Concen: 21.585 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 14839
Ion Ratio Lower Upper
106 100
91 224.5 111.4 334.2

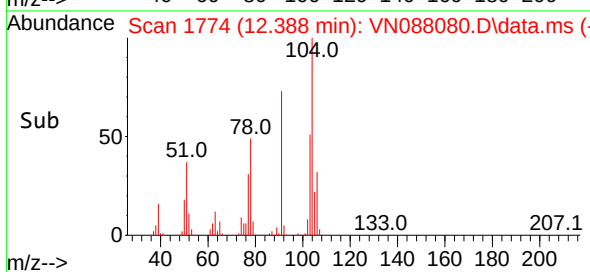
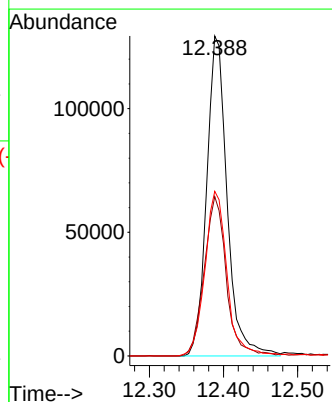
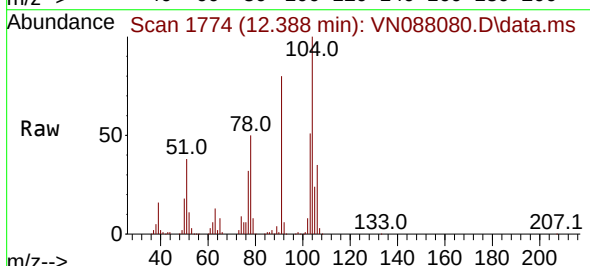
Manual Integrations
APPROVED

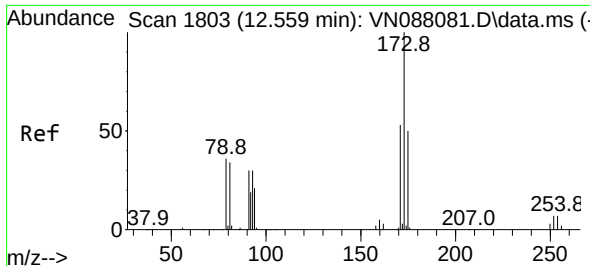
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#70
Styrene
Concen: 22.103 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Tgt Ion:104 Resp: 247794
Ion Ratio Lower Upper
104 100
78 54.1 42.2 63.2
103 55.8 43.4 65.2





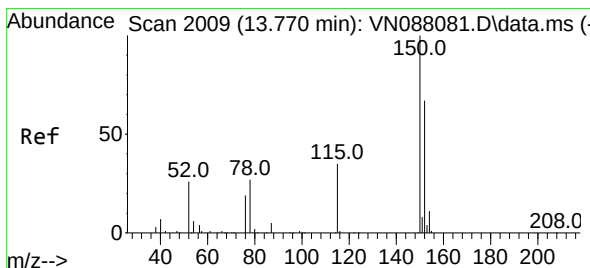
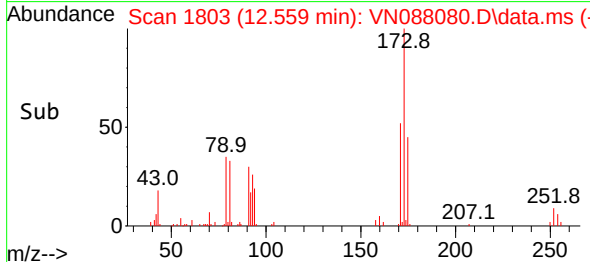
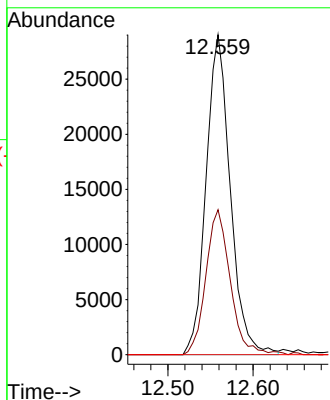
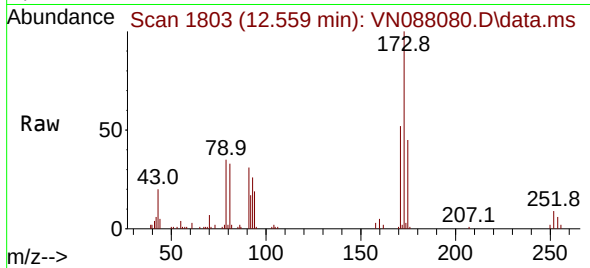
#71
Bromoform
Concen: 21.214 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:173 Resp: 57194
Ion Ratio Lower Upper
173 100
175 45.7 24.9 74.6
254 0.0 0.1 0.1

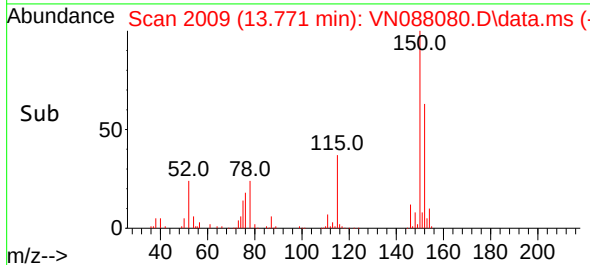
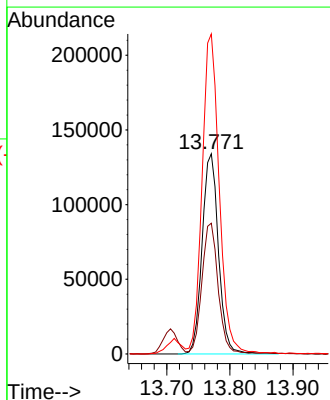
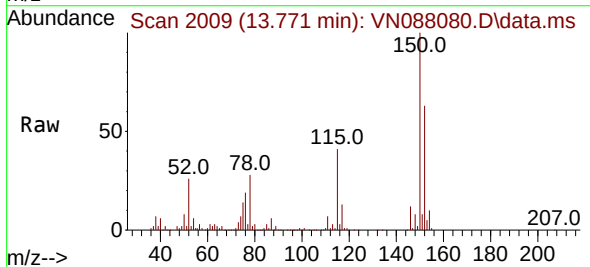
Manual Integrations
APPROVED

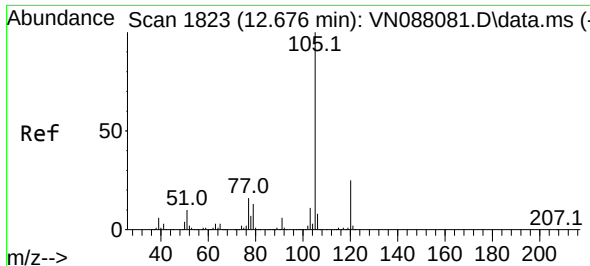
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Tgt Ion:152 Resp: 241242
Ion Ratio Lower Upper
152 100
115 63.9 32.3 96.8
150 167.1 0.0 351.0





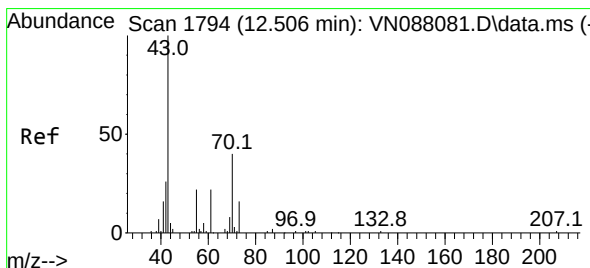
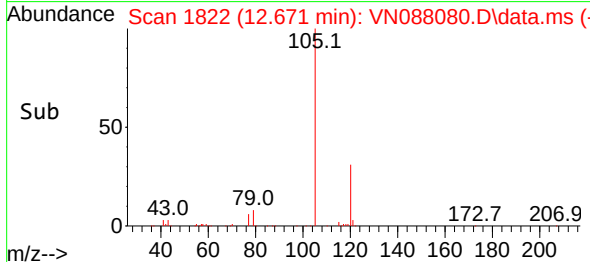
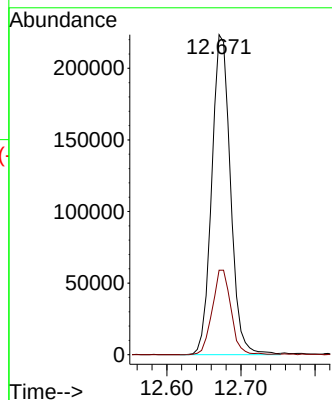
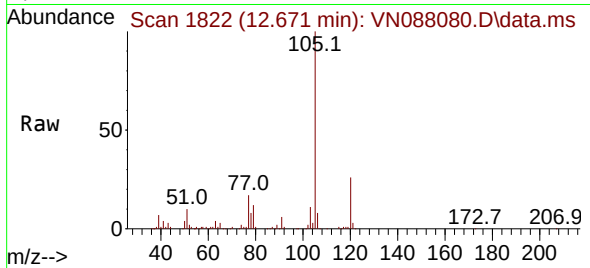
#73
Isopropylbenzene
Concen: 21.093 ug/l
RT: 12.671 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:105 Resp: 39247
Ion Ratio Lower Upper
105 100
120 26.4 12.8 38.3

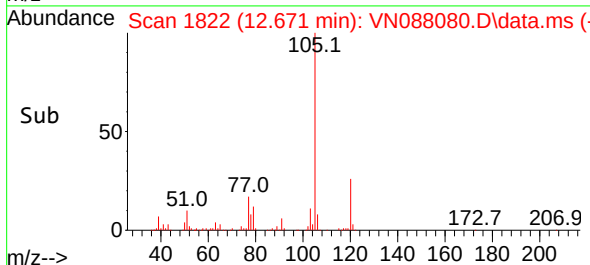
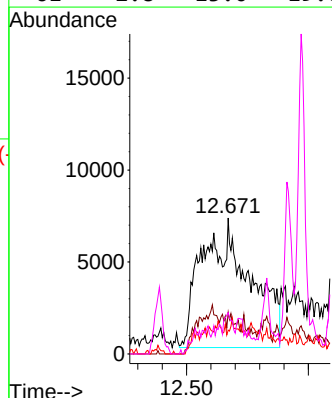
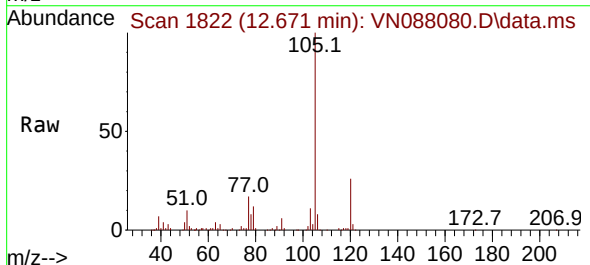
Manual Integrations
APPROVED

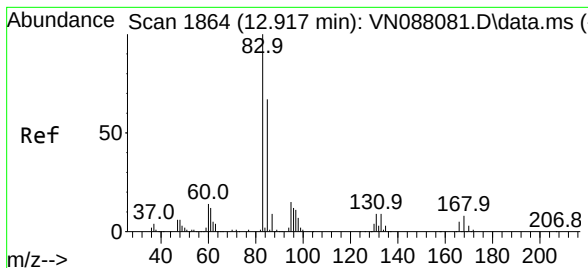
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#74
N-amy1 acetate
Concen: 17.796 ug/l m
RT: 12.671 min Scan# 1822
Delta R.T. 0.171 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

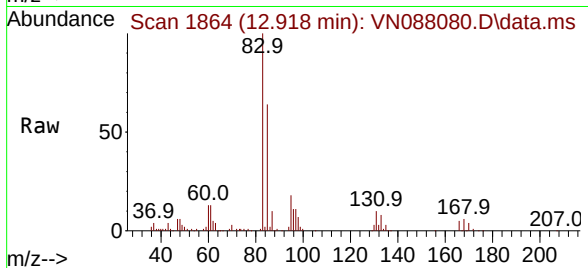
Tgt Ion: 43 Resp: 95839
Ion Ratio Lower Upper
43 100
70 0.0 27.6 41.4#
55 1.8 13.0 19.6#
61 2.8 13.0 19.6#





#75
1,1,2,2-Tetrachloroethane
Concen: 22.253 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

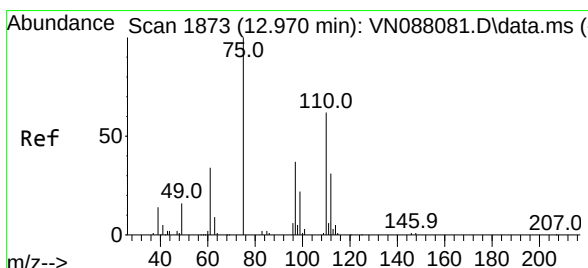
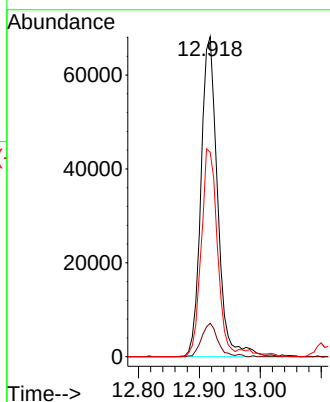
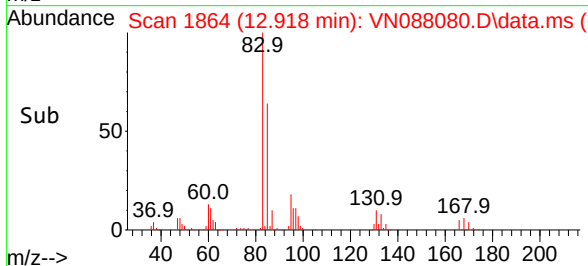
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



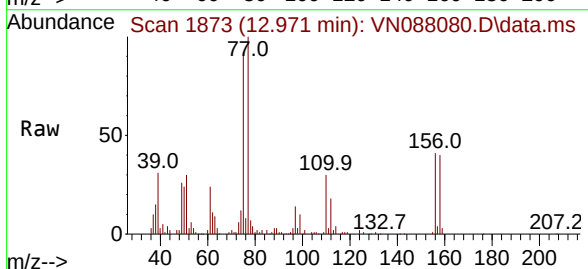
Tgt Ion: 83 Resp: 128900
Ion Ratio Lower Upper
83 100
131 10.3 4.8 14.4
85 63.0 32.1 96.3

Manual Integrations
APPROVED

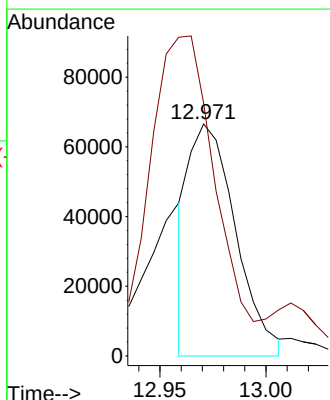
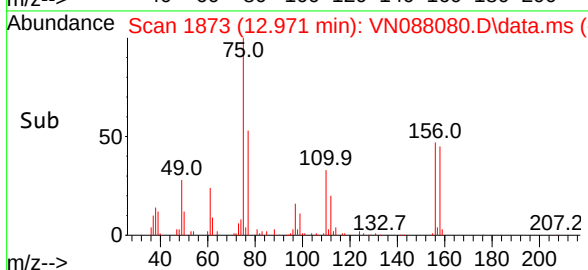
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

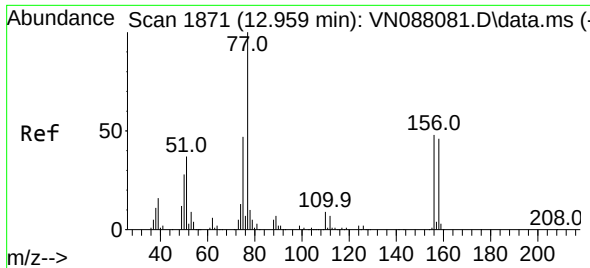


#76
1,2,3-Trichloropropane
Concen: 19.844 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59



Tgt Ion: 75 Resp: 102475
Ion Ratio Lower Upper
75 100
77 194.8 89.1 267.4





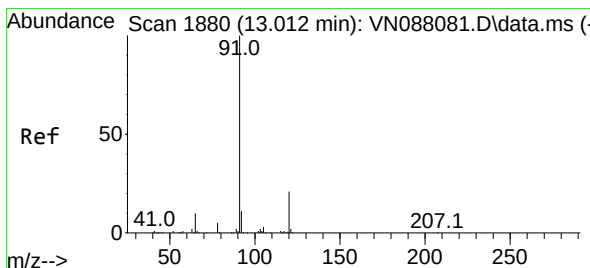
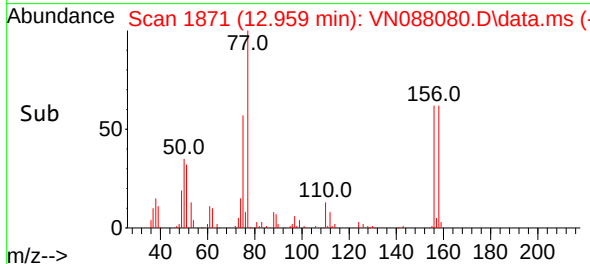
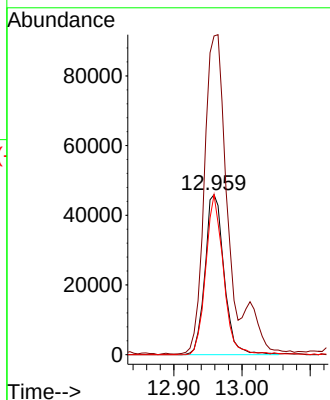
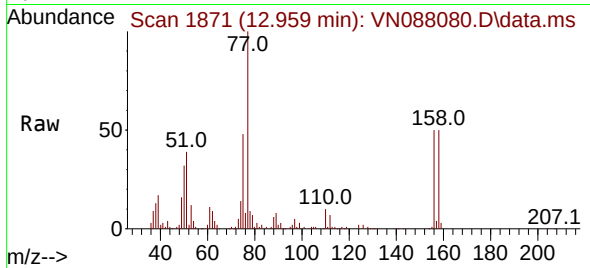
#77
Bromobenzene
Concen: 22.261 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 8931
Ion Ratio Lower Upper
156 100
77 223.5 119.3 358.0
158 92.8 48.2 144.6

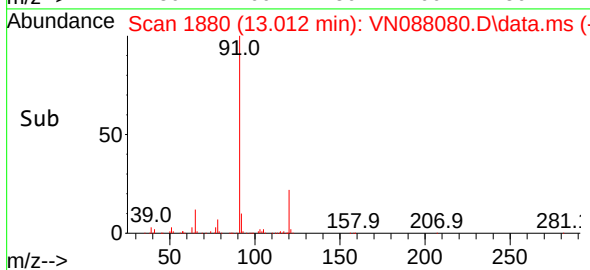
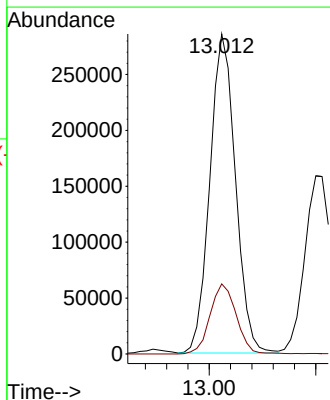
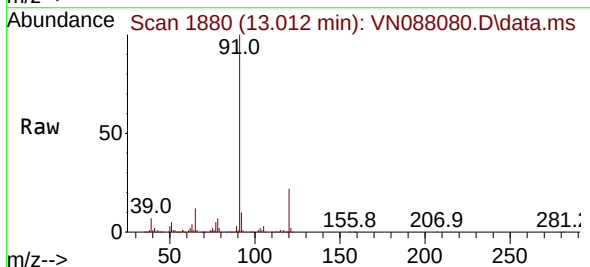
Manual Integrations
APPROVED

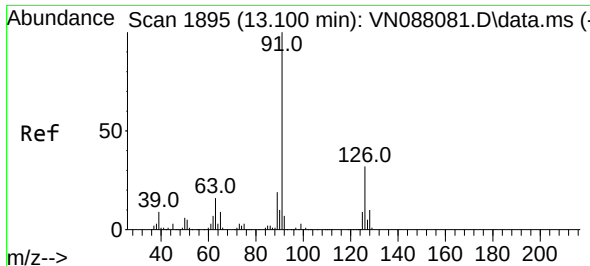
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#78
n-propylbenzene
Concen: 20.952 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Tgt Ion: 91 Resp: 475747
Ion Ratio Lower Upper
91 100
120 22.4 10.7 32.1





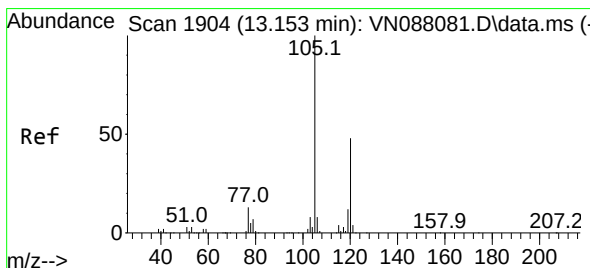
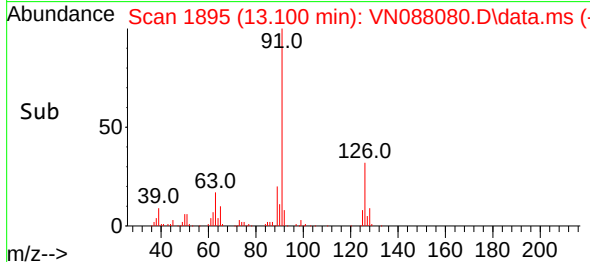
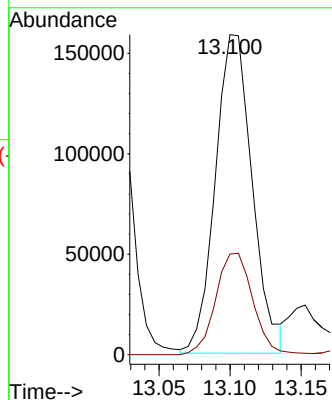
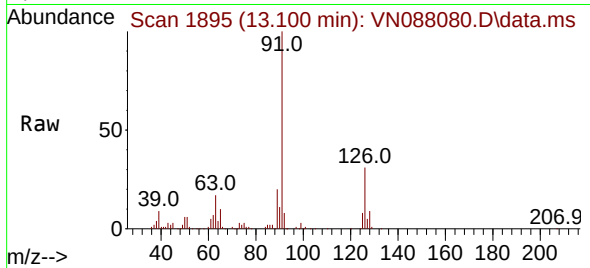
#79
2-Chlorotoluene
Concen: 22.160 ug/l
RT: 13.100 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 28695
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.3

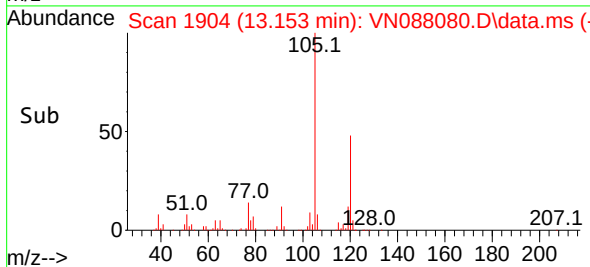
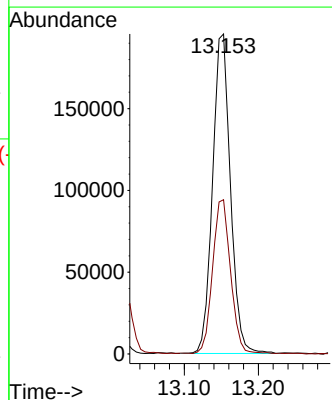
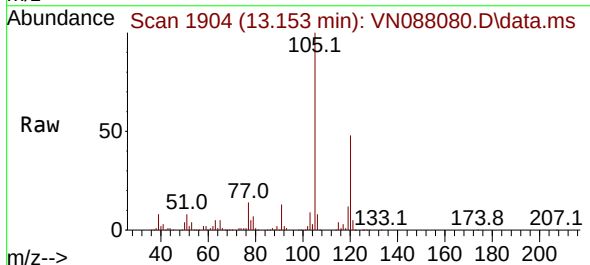
Manual Integrations
APPROVED

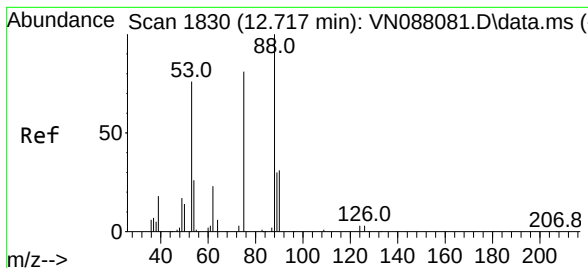
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#80
1,3,5-Trimethylbenzene
Concen: 21.139 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

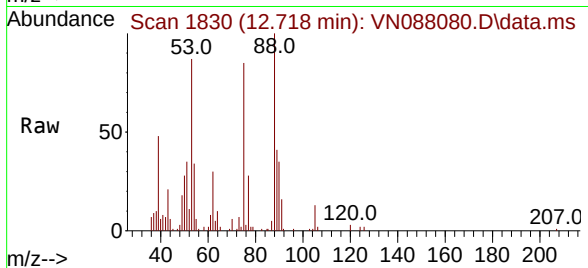
Tgt Ion:105 Resp: 326659
Ion Ratio Lower Upper
105 100
120 48.6 23.2 69.6





#81
trans-1,4-Dichloro-2-butene
Concen: 19.415 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

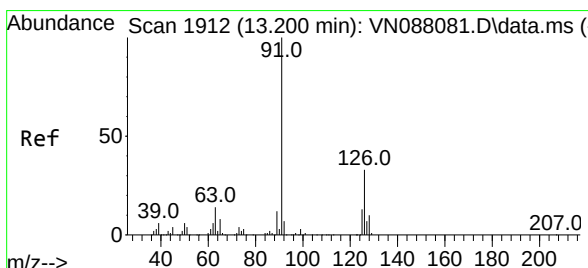
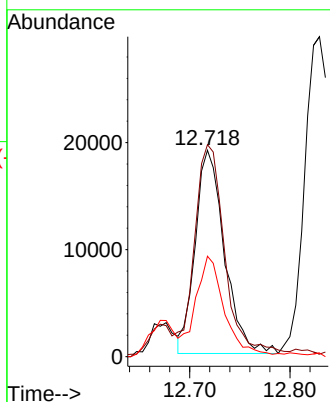
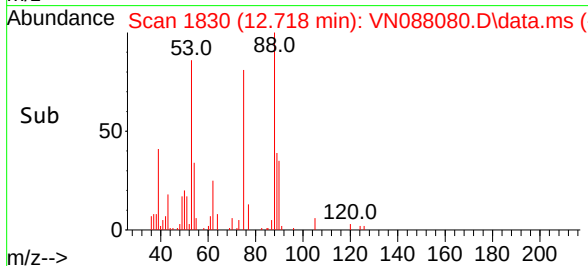
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 3848
Ion Ratio Lower Upper
75 100
53 103.7 101.8 152.6
89 46.8 35.6 53.4

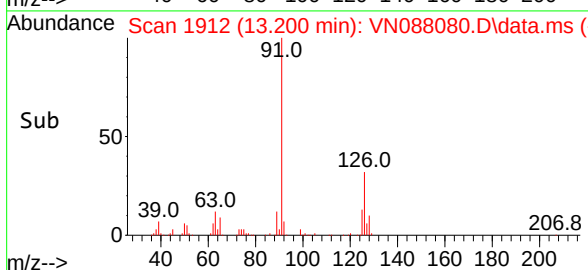
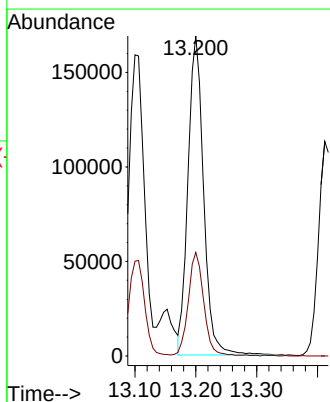
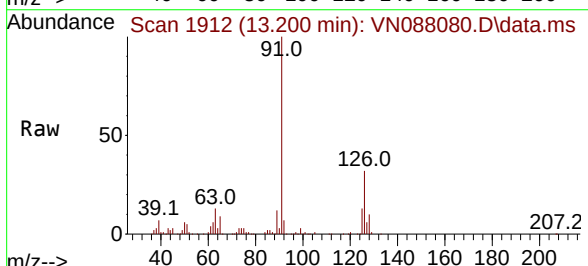
Manual Integrations
APPROVED

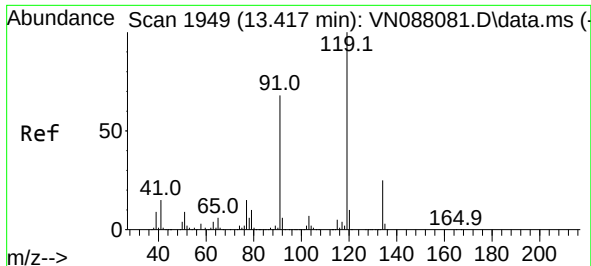
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#82
4-Chlorotoluene
Concen: 21.446 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

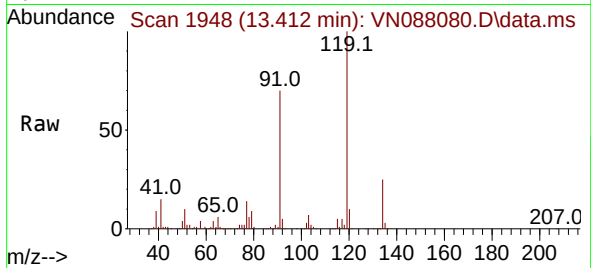
Tgt Ion: 91 Resp: 300449
Ion Ratio Lower Upper
91 100
126 31.6 15.6 46.8





#83
tert-Butylbenzene
Concen: 20.986 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

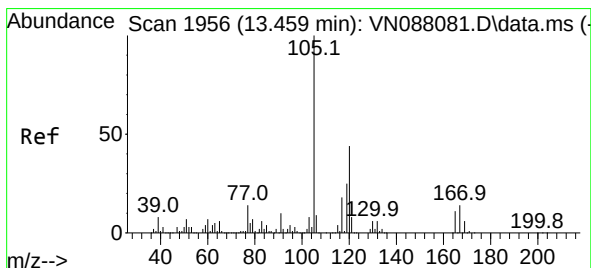
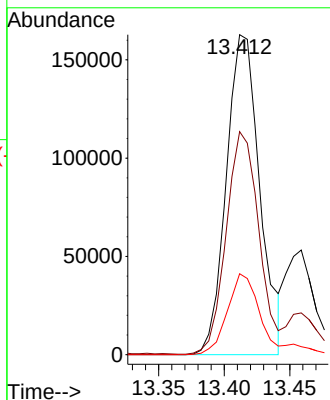
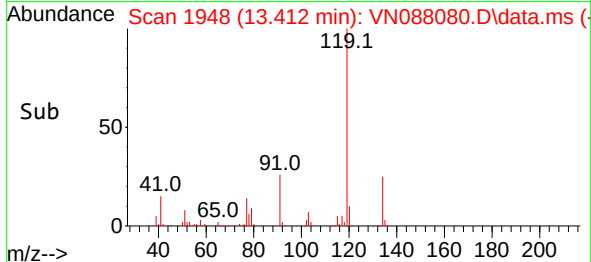
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



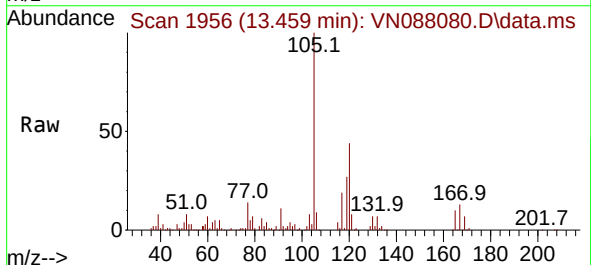
Tgt Ion:119 Resp: 289688
Ion Ratio Lower Upper
119 100
91 67.8 35.0 105.0
134 26.3 12.6 37.8

Manual Integrations
APPROVED

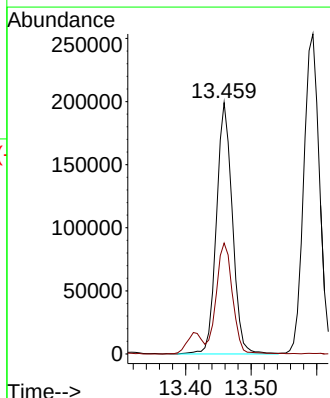
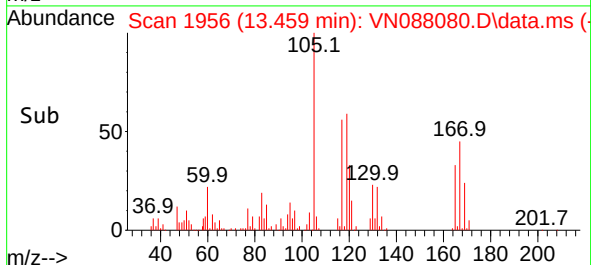
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

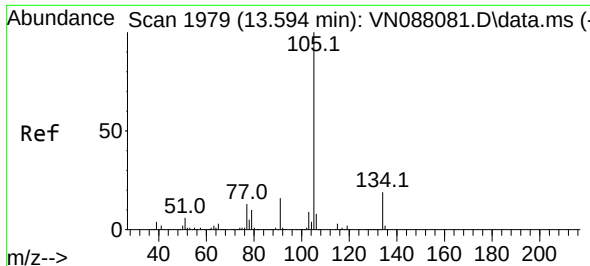


#84
1,2,4-Trimethylbenzene
Concen: 21.627 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59



Tgt Ion:105 Resp: 334370
Ion Ratio Lower Upper
105 100
120 44.7 22.0 66.0





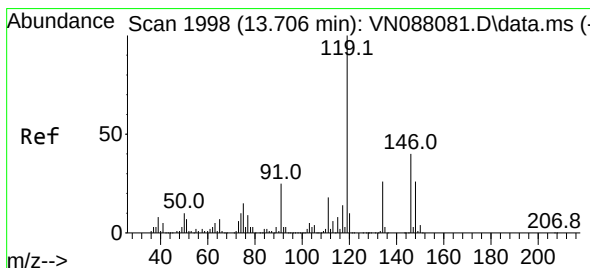
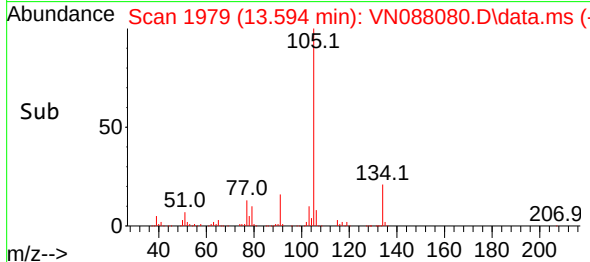
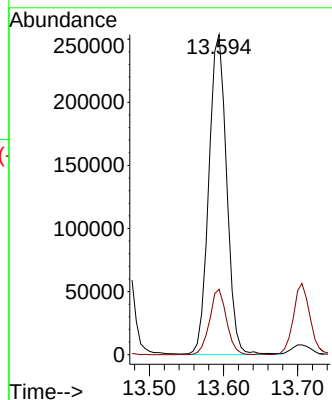
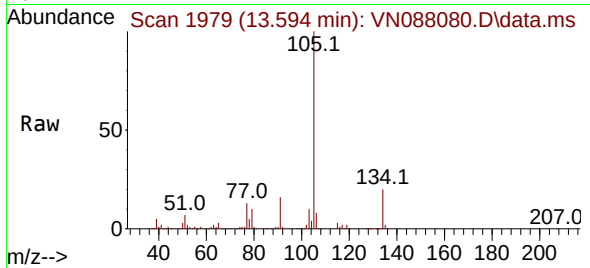
#85
 sec-Butylbenzene
 Concen: 20.848 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088080.D
 Acq: 23 Oct 2025 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 42280
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.6 28.6

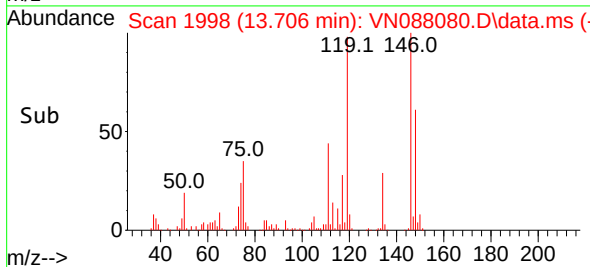
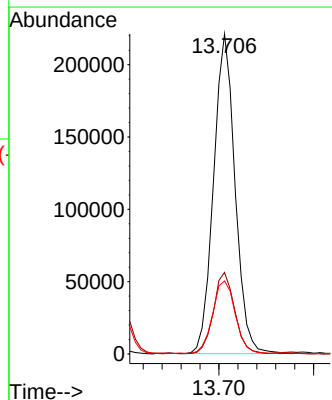
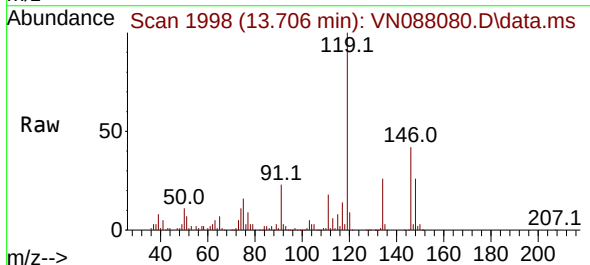
Manual Integrations
 APPROVED

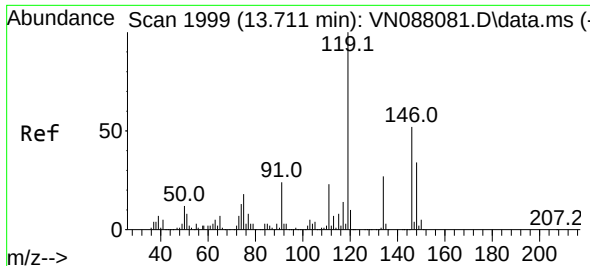
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#86
 p-Isopropyltoluene
 Concen: 21.364 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN088080.D
 Acq: 23 Oct 2025 10:59

Tgt Ion:119 Resp: 347584
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.0
 91 23.8 12.5 37.5





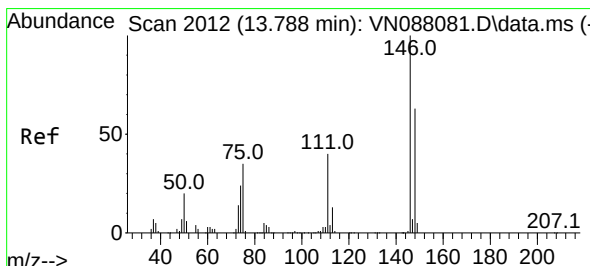
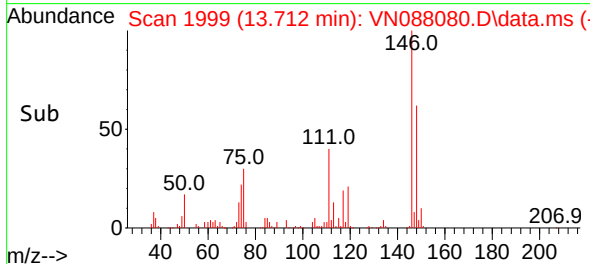
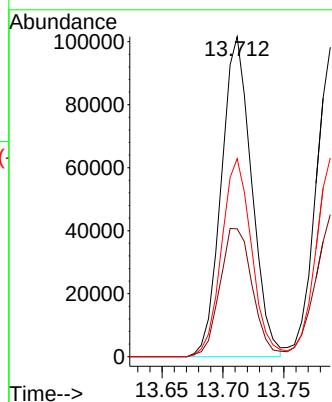
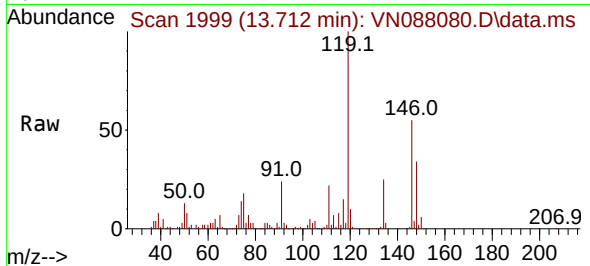
#87
1,3-Dichlorobenzene
Concen: 21.951 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 17582
Ion Ratio Lower Upper
146 100
111 43.3 22.1 66.5
148 61.6 32.0 96.2

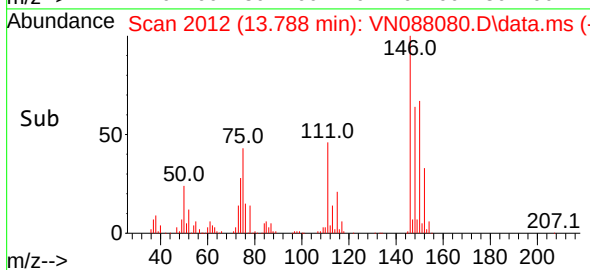
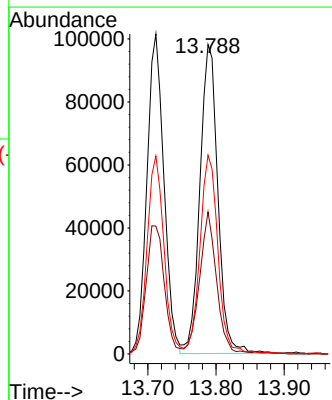
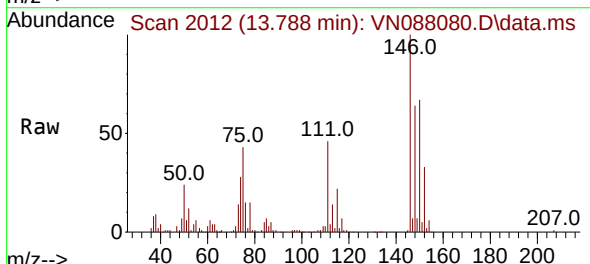
Manual Integrations
APPROVED

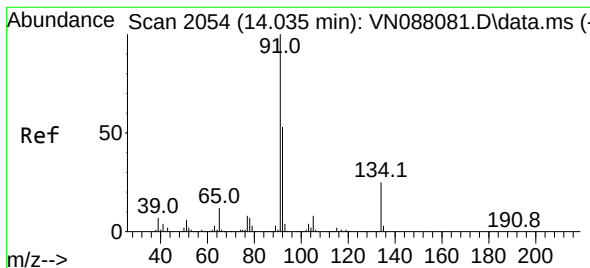
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#88
1,4-Dichlorobenzene
Concen: 20.841 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Tgt Ion:146 Resp: 179756
Ion Ratio Lower Upper
146 100
111 42.4 21.0 63.0
148 63.4 32.0 96.0





#89

n-Butylbenzene

Concen: 20.915 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. 0.006 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

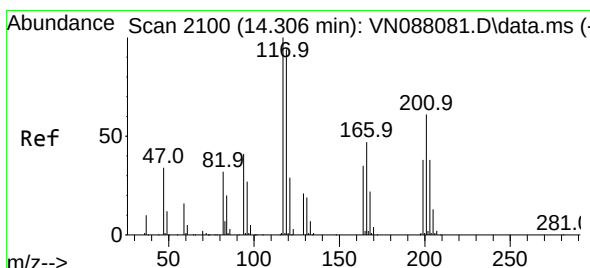
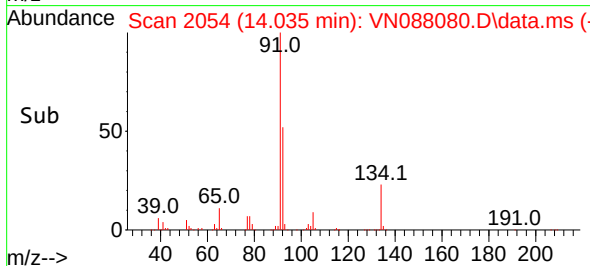
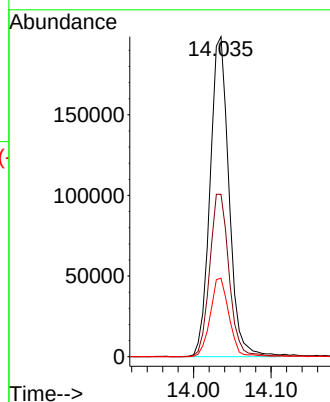
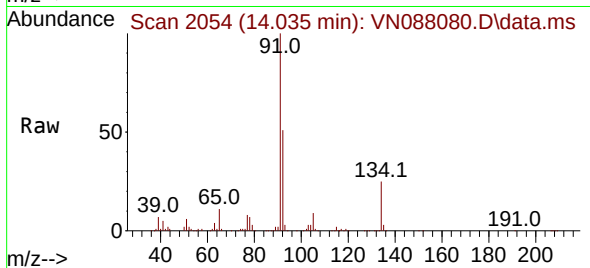
Tgt Ion: 91 Resp: 33705
 Ion Ratio Lower Upper
 91 100
 92 51.9 25.9 77.8
 134 24.3 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#90

Hexachloroethane

Concen: 20.558 ug/l

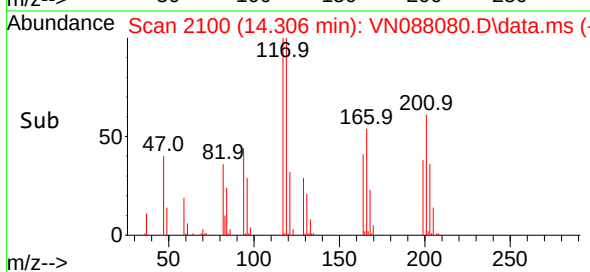
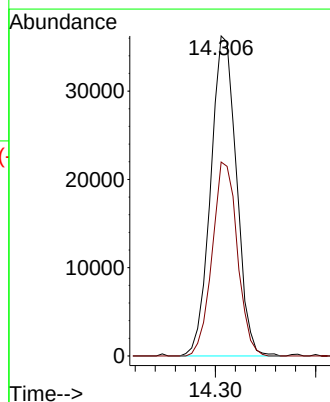
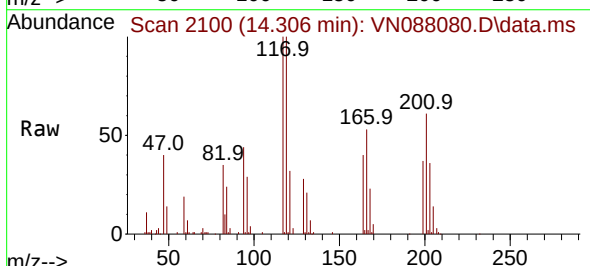
RT: 14.306 min Scan# 2100

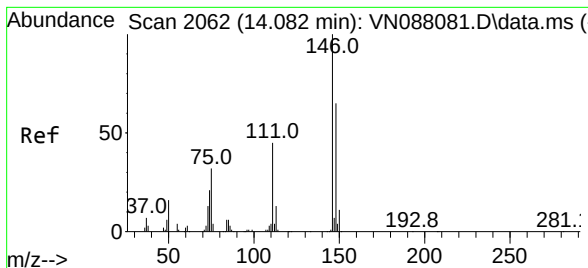
Delta R.T. -0.006 min

Lab File: VN088080.D

Acq: 23 Oct 2025 10:59

Tgt Ion:117 Resp: 64770
 Ion Ratio Lower Upper
 117 100
 201 59.0 29.1 87.4





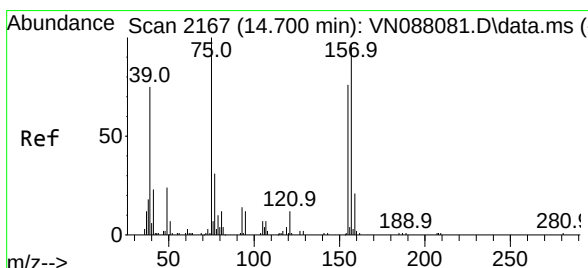
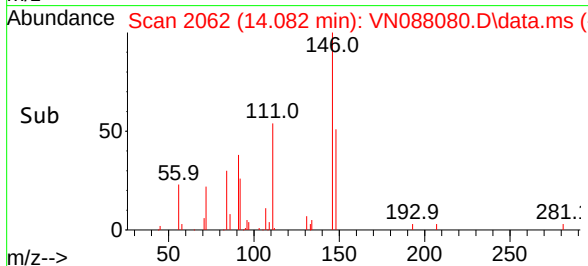
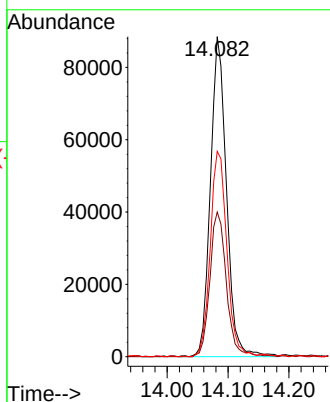
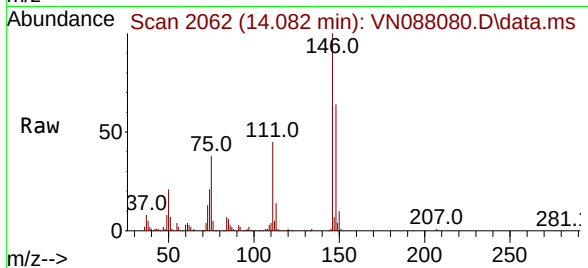
#91
1,2-Dichlorobenzene
Concen: 20.971 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:146 Resp: 16191
Ion Ratio Lower Upper
146 100
111 46.5 22.6 67.8
148 66.3 31.9 95.9

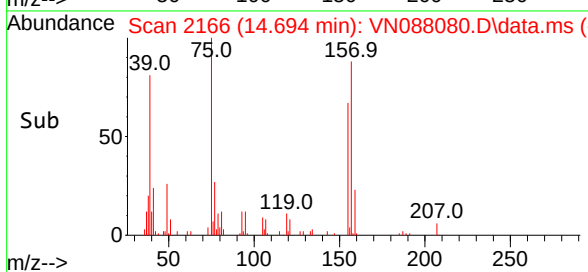
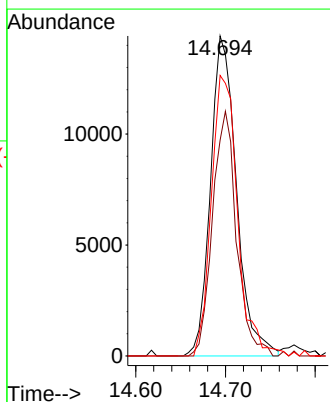
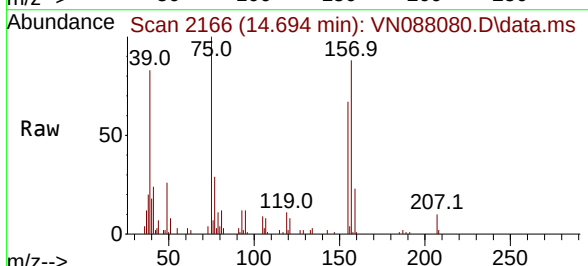
Manual Integrations
APPROVED

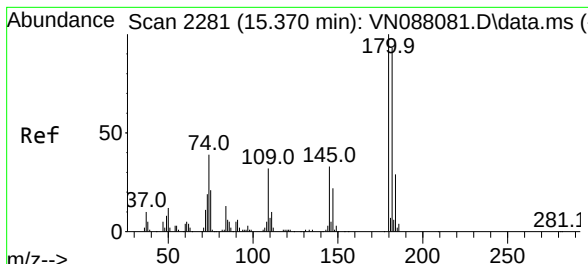
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.527 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. -0.006 min
Lab File: VN088080.D
Acq: 23 Oct 2025 10:59

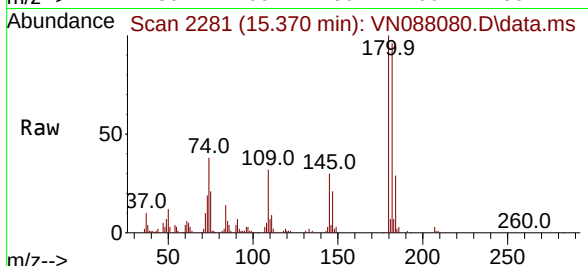
Tgt Ion: 75 Resp: 29025
Ion Ratio Lower Upper
75 100
155 70.8 36.6 109.9
157 88.3 45.6 136.9





#93
 1,2,4-Trichlorobenzene
 Concen: 20.412 ug/l
 RT: 15.370 min Scan# 2281
 Delta R.T. 0.006 min
 Lab File: VN088080.D
 Acq: 23 Oct 2025 10:59

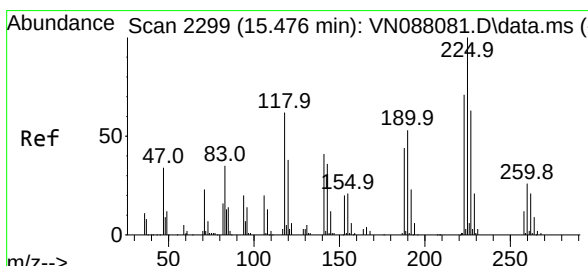
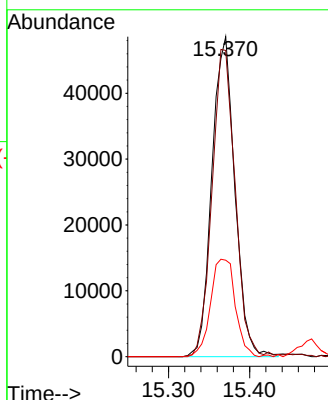
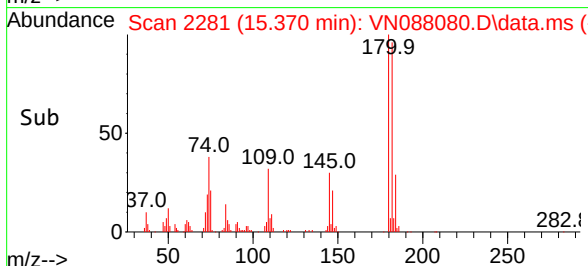
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020



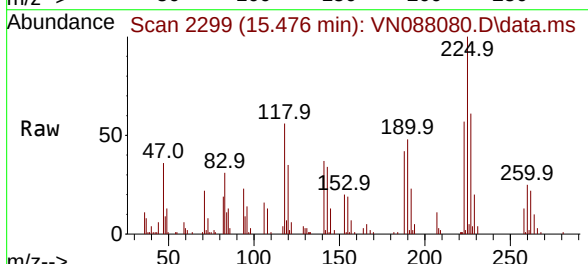
Tgt Ion:180 Resp: 95440
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.6 142.9
 145 32.8 16.5 49.5

Manual Integrations
 APPROVED

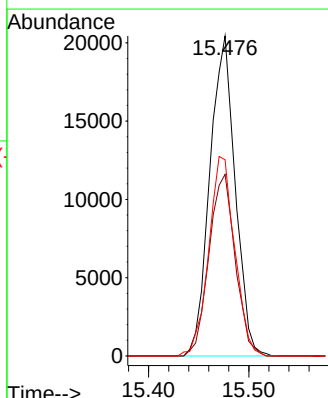
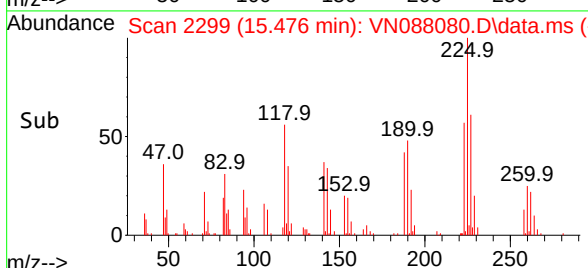
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

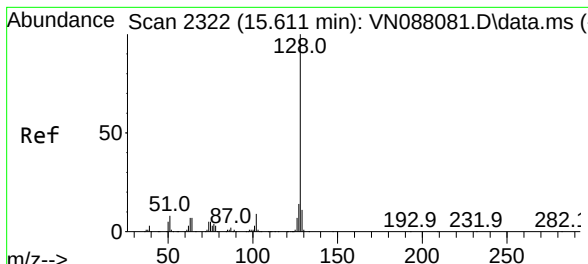


#94
 Hexachlorobutadiene
 Concen: 20.651 ug/l
 RT: 15.476 min Scan# 2299
 Delta R.T. 0.000 min
 Lab File: VN088080.D
 Acq: 23 Oct 2025 10:59



Tgt Ion:225 Resp: 35960
 Ion Ratio Lower Upper
 225 100
 223 58.5 32.0 96.2
 227 63.8 32.1 96.5





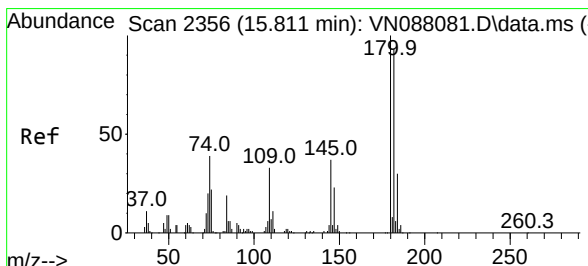
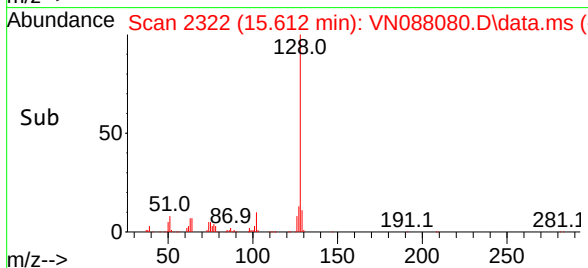
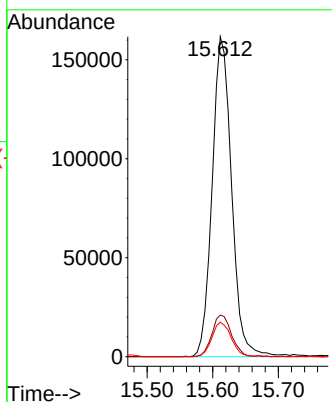
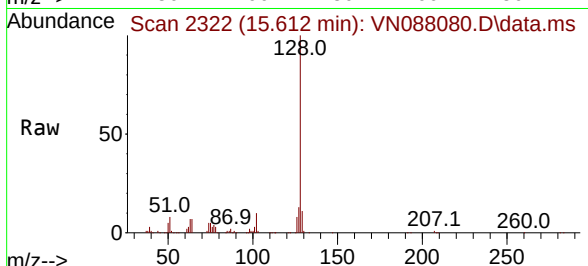
#95
 Naphthalene
 Concen: 20.704 ug/l
 RT: 15.612 min Scan# 2322
 Delta R.T. 0.000 min
 Lab File: VN088080.D
 Acq: 23 Oct 2025 10:59

Instrument : MSVOA_N
 ClientSampleId : VSTDICC020

Tgt Ion:	128	Resp:	331649
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	10.7	8.6	12.8

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#96
 1,2,3-Trichlorobenzene
 Concen: 20.157 ug/l
 RT: 15.812 min Scan# 2356
 Delta R.T. 0.000 min
 Lab File: VN088080.D
 Acq: 23 Oct 2025 10:59

Tgt Ion:	180	Resp:	90374
Ion Ratio	Lower	Upper	
180	100		
182	94.7	46.8	140.3
145	36.1	17.3	52.0

