

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111425\
 Data File : VN088290.D
 Acq On : 14 Nov 2025 15:08
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2025
 Supervised By : Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 21:50:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	54111	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	251713	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	224020	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	144916	29.319	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.733%		
60) 4-Bromofluorobenzene	12.829	95	109280	28.857	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.200%		
63) Toluene-d8	10.541	98	315244	29.723	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.067%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	57200	15.038	ug/l	98
3) Chloromethane	2.383	50	83676	21.336	ug/l	96
4) Vinyl Chloride	2.536	62	72237	17.420	ug/l	93
5) Bromomethane	2.977	94	45778	20.704	ug/l	93
6) Chloroethane	3.136	64	49851	19.449	ug/l	92
7) Trichlorofluoromethane	3.512	101	91294	15.703	ug/l	87
8) Diethyl Ether	3.959	74	47189	21.716	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	48353	15.854	ug/l	98
10) 1,1-Dichloroethene	4.336	96	50824	17.081	ug/l	96
11) Methyl Iodide	4.577	142	55238	17.444	ug/l	90
12) Methyl Acetate	5.012	43	115993	24.164	ug/l	90
13) Acrolein	4.177	56	93437	132.297	ug/l	99
14) Acrylonitrile	5.706	53	254411	116.636	ug/l	99
15) Acetone	4.424	58	73861	115.793	ug/l	98
16) Carbon Disulfide	4.701	76	167673	16.708	ug/l	97
17) Allyl chloride	5.006	41	104762	18.118	ug/l	99
18) Methylene Chloride	5.265	84	79618	21.527	ug/l	95
19) trans-1,2-Dichloroethene	5.771	96	63325	18.276	ug/l	95
20) Diisopropyl ether	6.653	45	265311	21.473	ug/l	98
21) 1,1-Dichloroethane	6.553	63	136192	19.565	ug/l	98
22) cis-1,2-Dichloroethene	7.465	96	78718	19.547	ug/l	95
23) tert-Butyl Alcohol	5.524	59	93134	116.118	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	257834	21.492	ug/l	99
25) Chloroform	7.947	83	139355	20.203	ug/l	96
26) Cyclohexane	8.236	56	86833	14.768	ug/l #	97
29) 1,1-Dichloropropene	8.347	75	77905	18.549	ug/l	98
30) 2-Butanone	7.465	43	368716	135.718	ug/l	99
31) 2,2-Dichloropropane	7.477	77	92152	17.789	ug/l #	80
32) 1,1,1-Trichloroethane	8.147	97	101981	19.697	ug/l	97
33) Carbon Tetrachloride	8.347	117	83437	18.872	ug/l	93
34) Benzene	8.588	78	272321	21.692	ug/l	98
35) Methacrylonitrile	7.765	41	75529	26.653	ug/l	98
36) 1,2-Dichloroethane	8.653	62	116144	23.772	ug/l	99
37) Trichloroethene	9.336	130	57118	20.077	ug/l	91
38) Methylcyclohexane	9.577	83	81432	16.912	ug/l	99
39) 1,2-Dichloropropane	9.600	63	76064	23.484	ug/l	89
40) Dibromomethane	9.688	93	58222	25.019	ug/l	98
41) Bromodichloromethane	9.871	83	111138	23.724	ug/l	99
42) Vinyl Acetate	6.589	43	1142387	125.986	ug/l	99

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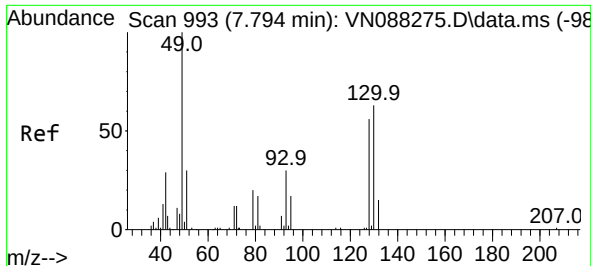
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	152829	27.958	ug/l #	84
44) Isopropyl Acetate	8.671	43	218161	25.897	ug/l	99
45) 1,4-Dioxane	9.677	88	32121	633.176	ug/l #	93
46) Methyl methacrylate	9.659	41	97431	24.716	ug/l	96
47) n-amyl Acetate	12.606	43	83891m	19.652	ug/l	
48) t-1,3-Dichloropropene	10.818	75	109979	21.949	ug/l	98
49) cis-1,3-Dichloropropene	10.288	75	115961	22.243	ug/l	97
50) 1,1,2-Trichloroethane	10.994	97	73127	25.413	ug/l	95
51) Ethyl methacrylate	10.859	69	109344	23.096	ug/l	96
52) 1,3-Dichloropropane	11.141	76	127053	24.245	ug/l	99
53) Dibromochloromethane	11.335	129	80263	24.284	ug/l	98
54) 1,2-Dibromoethane	11.447	107	72861	24.370	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	299487	109.818	ug/l	98
56) Bromoform	12.559	173	50087	23.941	ug/l	96
58) 4-Methyl-2-Pentanone	10.424	43	695940	137.354	ug/l	99
59) 2-Hexanone	11.177	43	436830	129.836	ug/l	100
61) Tetrachloroethene	11.082	164	47322	20.489	ug/l	96
62) Toluene	10.606	91	264058	20.540	ug/l	100
64) Chlorobenzene	11.871	112	163051	20.479	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	60753	22.294	ug/l	96
66) Ethyl Benzene	11.941	91	271847	19.187	ug/l	99
67) m/p-Xylenes	12.047	106	199907	37.729	ug/l	96
68) o-Xylene	12.376	106	99787	19.964	ug/l	96
69) Styrene	12.388	104	163752	19.289	ug/l	98
70) Isopropylbenzene	12.676	105	240920	18.188	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	113532	26.459	ug/l	98
72) 1,2,3-Trichloropropane	12.971	75	78039m	18.773	ug/l	
73) Bromobenzene	12.959	156	61920	20.706	ug/l	97
74) n-propylbenzene	13.012	91	298885	18.232	ug/l	100
75) 2-Chlorotoluene	13.106	91	183064	18.365	ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	209796	18.868	ug/l	99
77) t-1,4-Dichloro-2-butene	12.724	75	33526	23.485	ug/l	96
78) 4-Chlorotoluene	13.200	91	183786	18.194	ug/l	94
79) tert-butylbenzene	13.418	119	172521	18.122	ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	206962	18.718	ug/l	99
81) sec-Butylbenzene	13.594	105	248777	17.917	ug/l	100
82) p-Isopropyltoluene	13.706	119	207814	18.113	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	113685	19.566	ug/l	98
84) 1,4-Dichlorobenzene	13.794	146	121001	20.564	ug/l	99
85) n-Butylbenzene	14.035	91	190522	17.424	ug/l	97
86) Hexachloroethane	14.306	117	40648	18.503	ug/l	99
87) 1,2-Dichlorobenzene	14.082	146	115557	21.071	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.694	75	24626	24.417	ug/l	96
89) 1,2,4-Trichlorobenzene	15.817	180	63401	20.601	ug/l	97
90) Hexachlorobutadiene	15.470	225	22393	18.736	ug/l	97
91) Naphthalene	15.617	128	240010	21.554	ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	63401	20.601	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



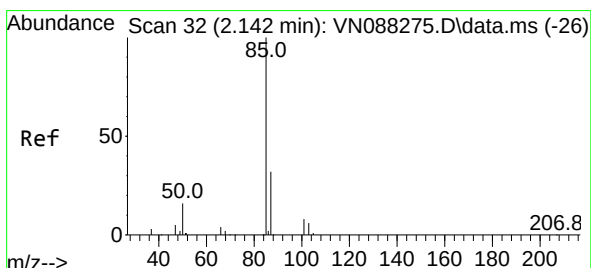
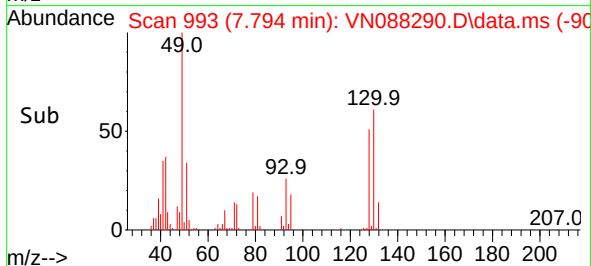
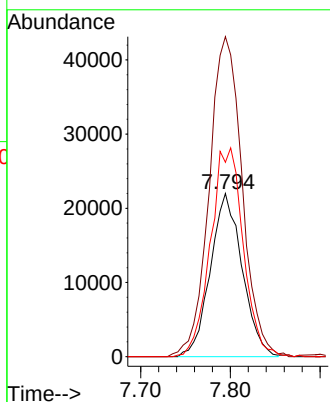
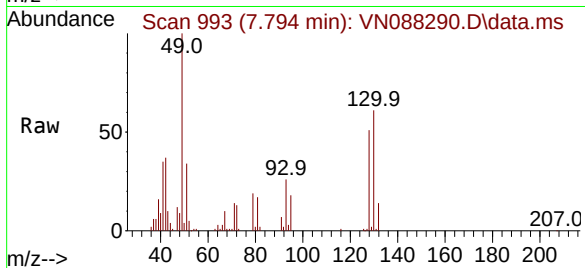
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 5411
Ion Ratio Lower Upper
128 100
49 203.5 0.0 501.2
130 132.0 0.0 320.2

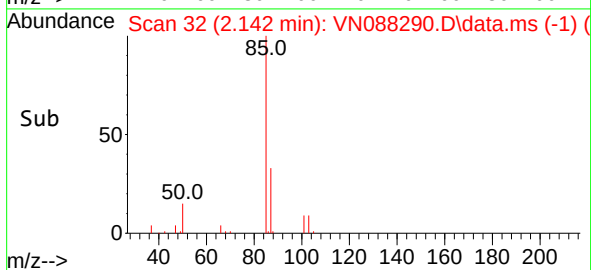
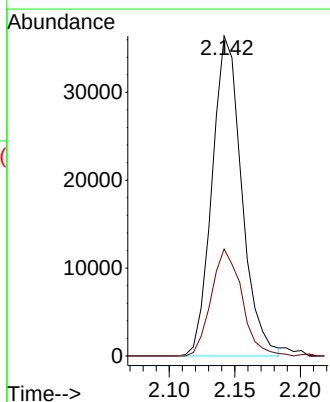
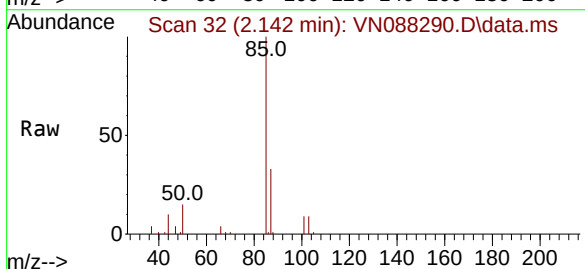
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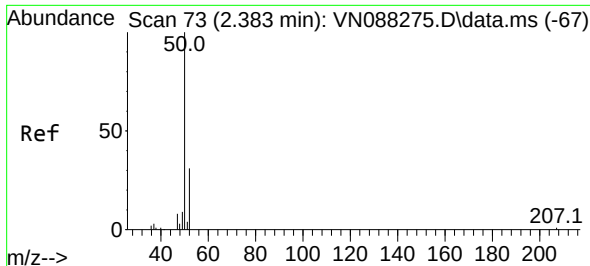
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#2
Dichlorodifluoromethane
Concen: 15.038 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

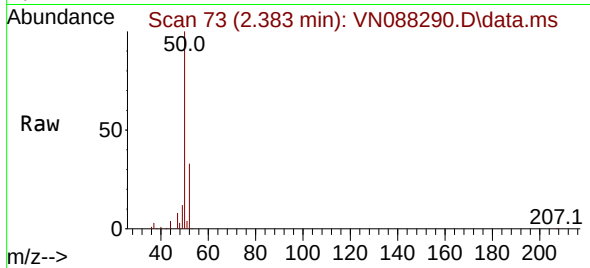
Tgt Ion: 85 Resp: 57200
Ion Ratio Lower Upper
85 100
87 33.4 16.0 48.0





#3
Chloromethane
Concen: 21.336 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

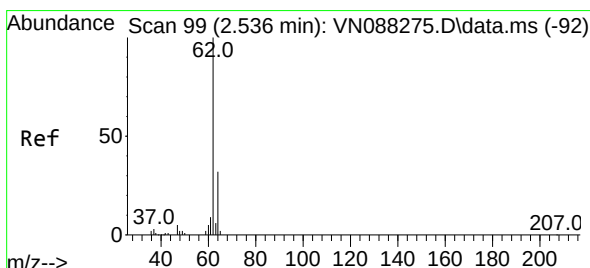
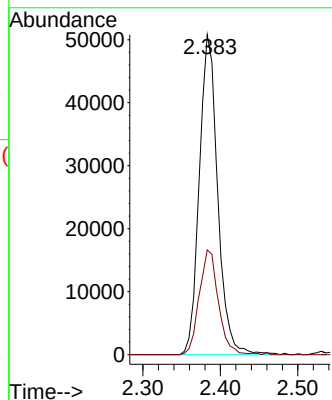
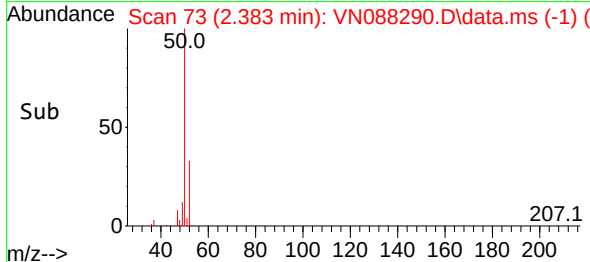
Instrument :
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VSTDCCC020EC



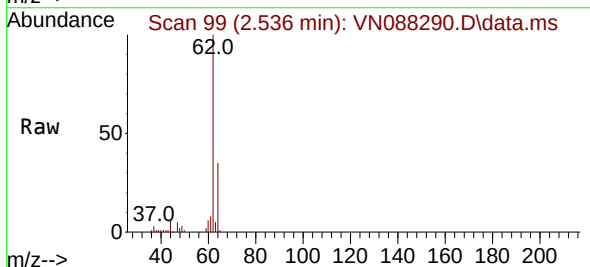
Tgt Ion: 50 Resp: 83670
Ion Ratio Lower Upper
50 100
52 32.7 24.6 36.8

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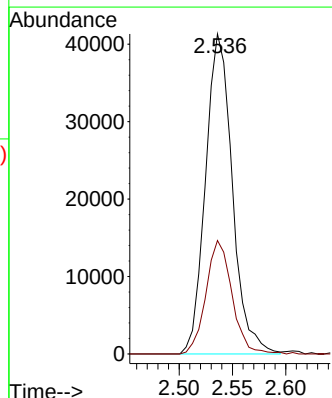
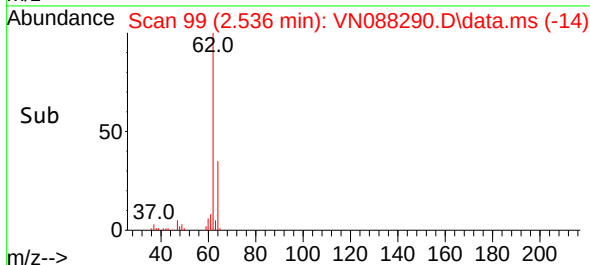
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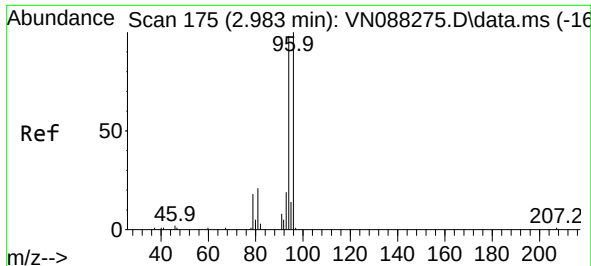


#4
Vinyl Chloride
Concen: 17.420 ug/l
RT: 2.536 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08



Tgt Ion: 62 Resp: 72237
Ion Ratio Lower Upper
62 100
64 35.5 25.4 38.2





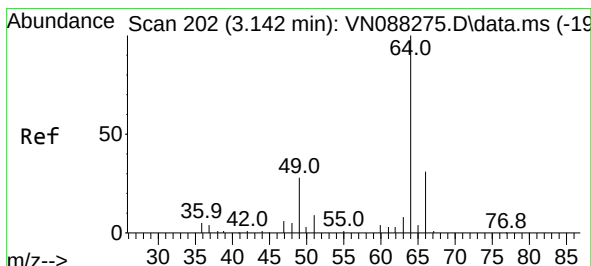
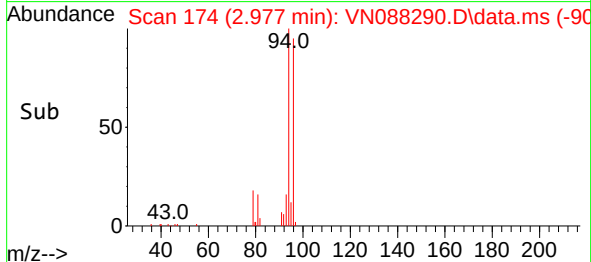
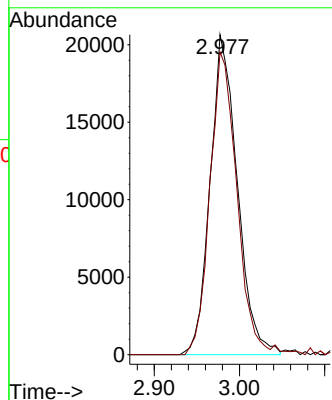
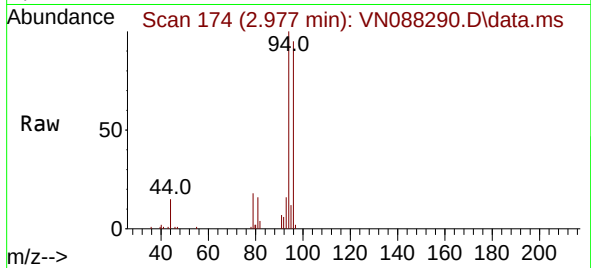
#5
Bromomethane
Concen: 20.704 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
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ClientSampleId :
VSTDCCC020EC

Tgt Ion: 94 Resp: 45778
Ion Ratio Lower Upper
94 100
96 94.6 81.3 121.9

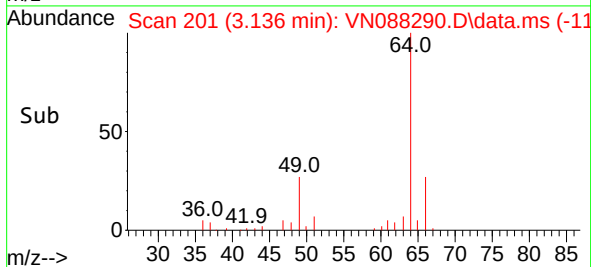
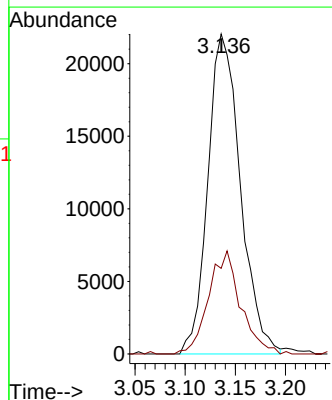
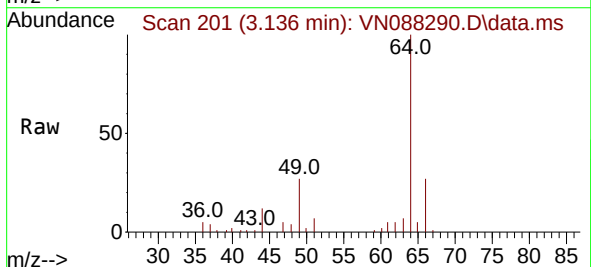
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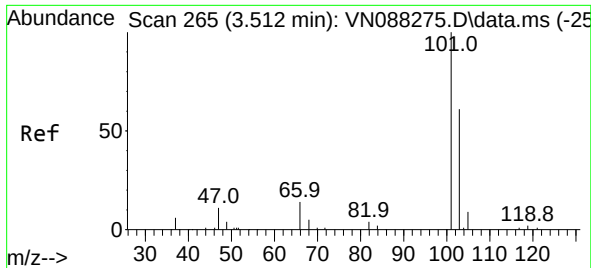
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#6
Chloroethane
Concen: 19.449 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

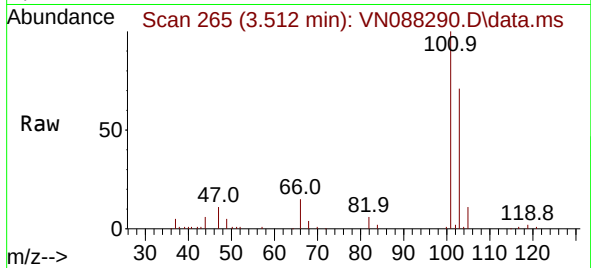
Tgt Ion: 64 Resp: 49851
Ion Ratio Lower Upper
64 100
66 26.8 24.7 37.1





#7
Trichlorofluoromethane
Concen: 15.703 ug/l
RT: 3.512 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

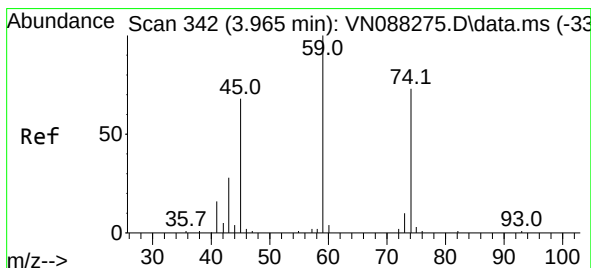
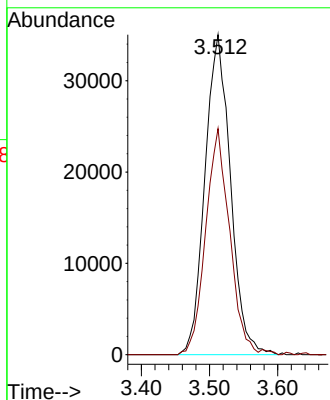
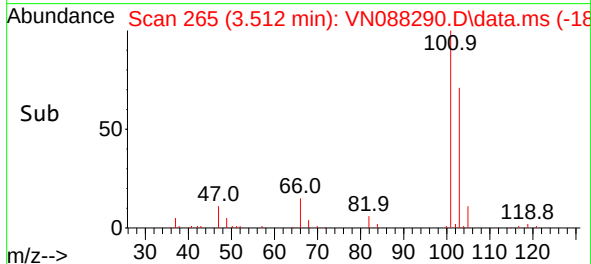
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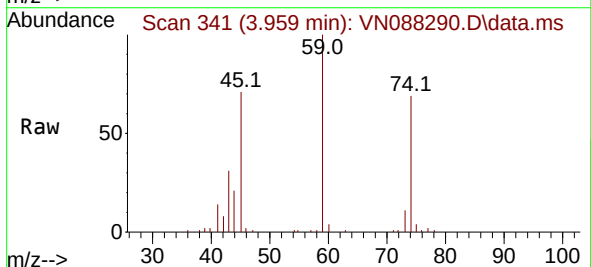
Tgt Ion:101 Resp: 91294
Ion Ratio Lower Upper
101 100
103 70.7 48.6 73.0

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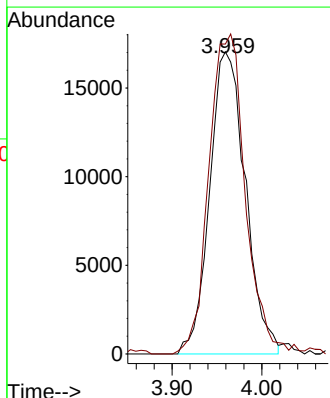
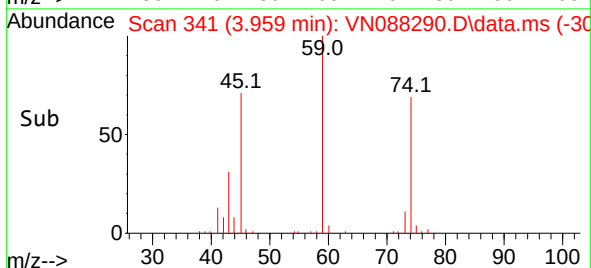
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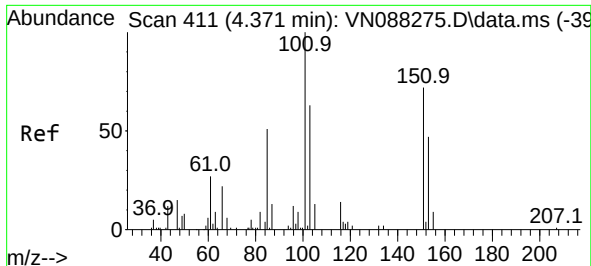


#8
Diethyl Ether
Concen: 21.716 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08



Tgt Ion: 74 Resp: 47189
Ion Ratio Lower Upper
74 100
45 106.8 20.9 187.7





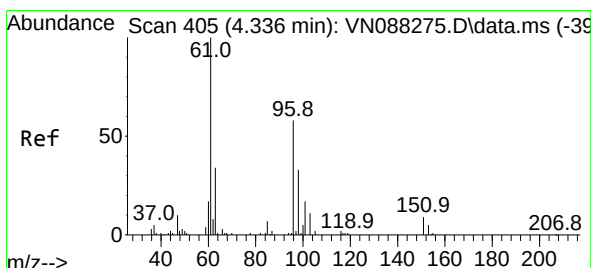
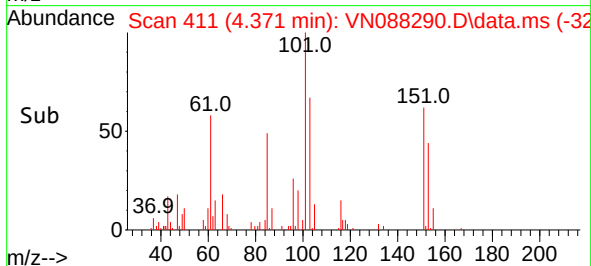
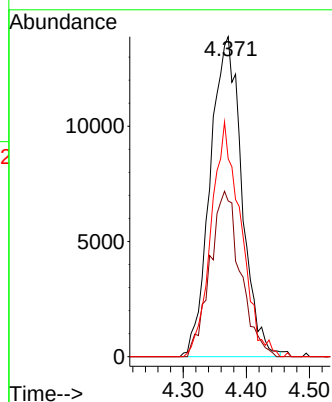
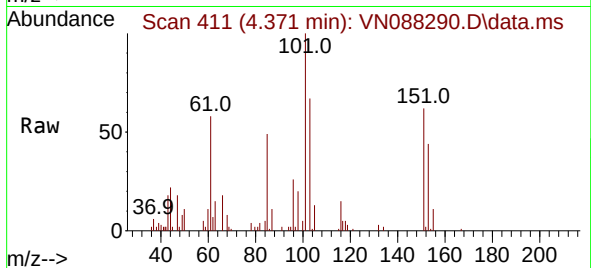
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 1,1,2-Trichlorotrifluoroethane
 Concen: 15.854 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VN088290.D
 Acq: 14 Nov 2025 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:101 Resp: 4835
 Ion Ratio Lower Upper
 101 100
 85 49.7 0.0 100.8
 151 67.6 0.0 138.4

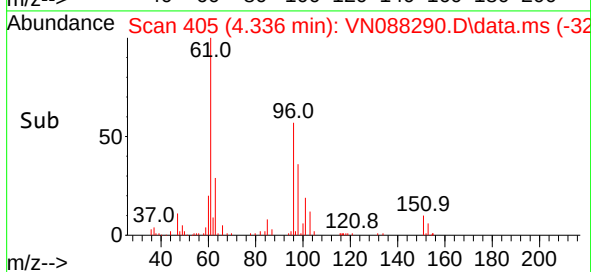
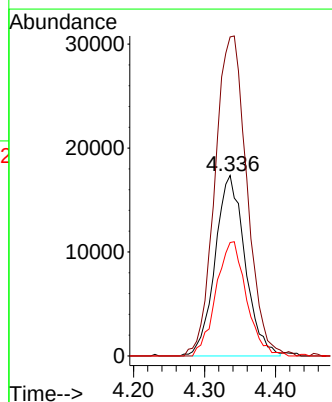
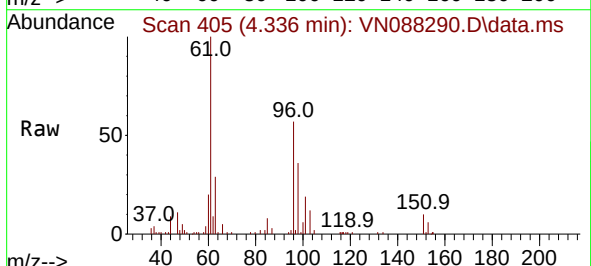
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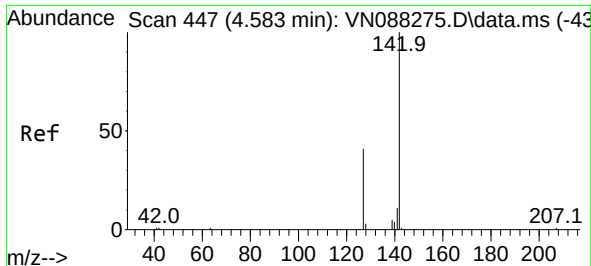
Reviewed By :John Carlone 11/17/2025
 Supervised By :Mahesh Dadoda 11/17/2025



#10
 1,1-Dichloroethene
 Concen: 17.081 ug/l
 RT: 4.336 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VN088290.D
 Acq: 14 Nov 2025 15:08

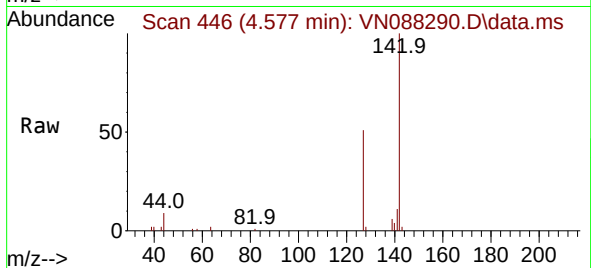
Tgt Ion: 96 Resp: 50824
 Ion Ratio Lower Upper
 96 100
 61 176.8 137.8 206.8
 98 62.9 45.6 68.4





#11
Methyl Iodide
Concen: 17.444 ug/l
RT: 4.577 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

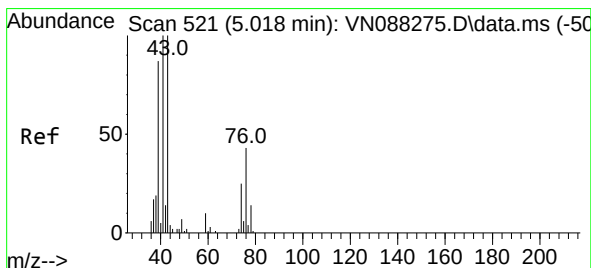
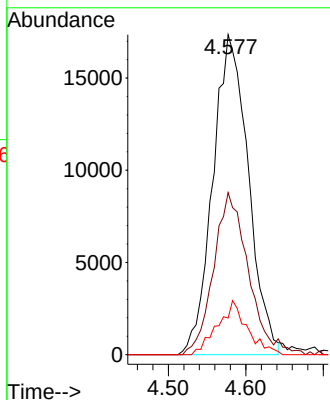
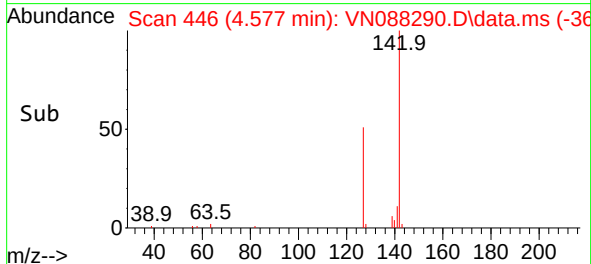
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 55238
Ion Ratio Lower Upper
142 100
127 49.1 20.4 61.2
141 11.2 5.6 16.8

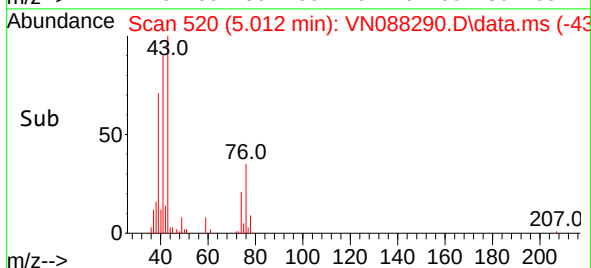
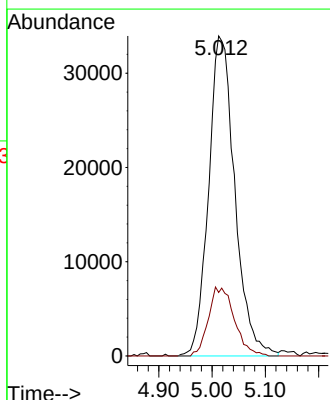
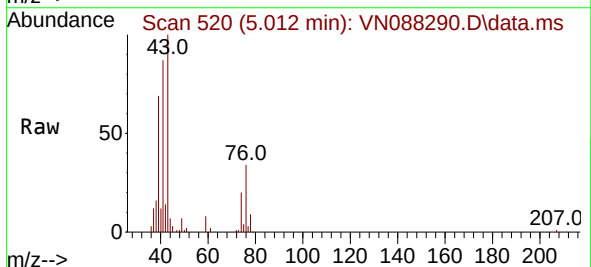
Manual Integrations
APPROVED

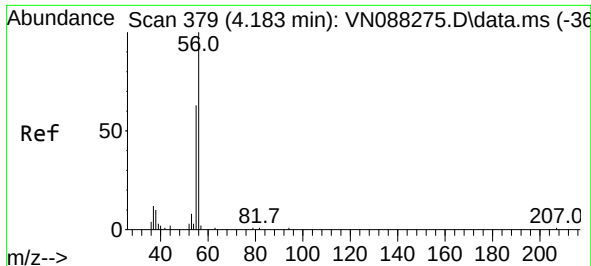
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#12
Methyl Acetate
Concen: 24.164 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Tgt Ion: 43 Resp: 115993
Ion Ratio Lower Upper
43 100
74 19.9 19.8 29.8





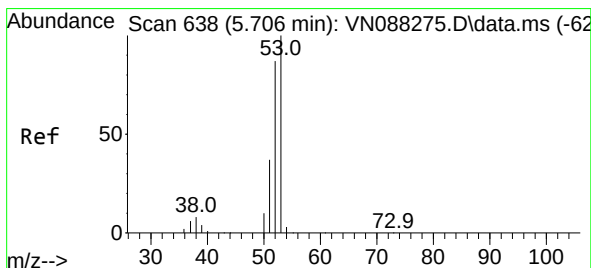
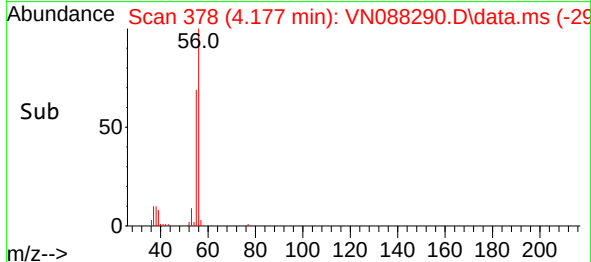
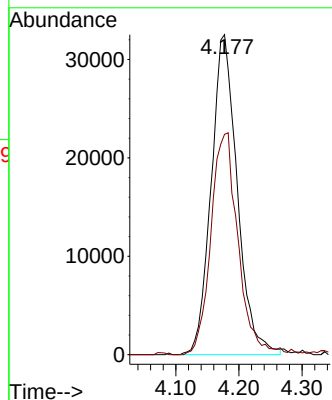
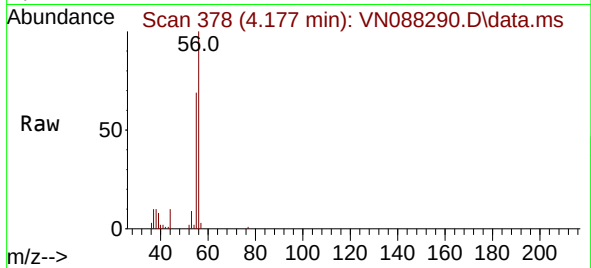
#13
Acrolein
Concen: 132.297 ug/l
RT: 4.177 min Scan# 379
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 56 Resp: 9343
Ion Ratio Lower Upper
56 100
55 71.5 57.9 86.9

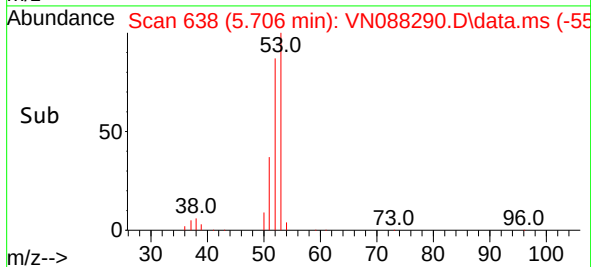
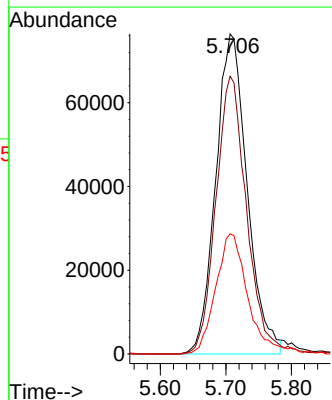
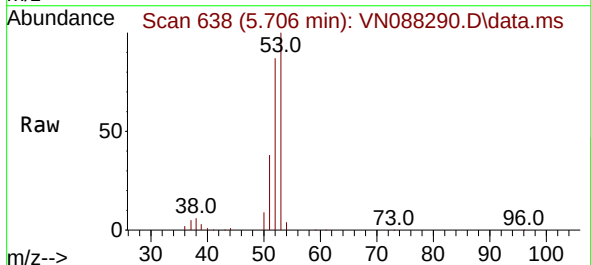
Manual Integrations
APPROVED

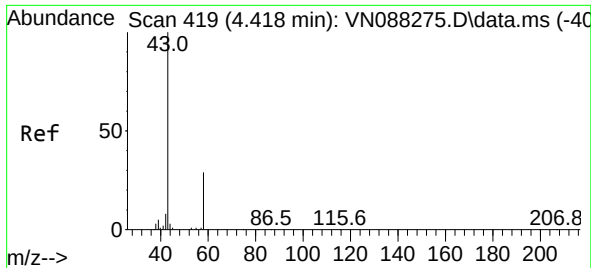
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#14
Acrylonitrile
Concen: 116.636 ug/l
RT: 5.706 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Tgt Ion: 53 Resp: 254411
Ion Ratio Lower Upper
53 100
52 85.0 42.3 126.9
51 38.0 18.4 55.2





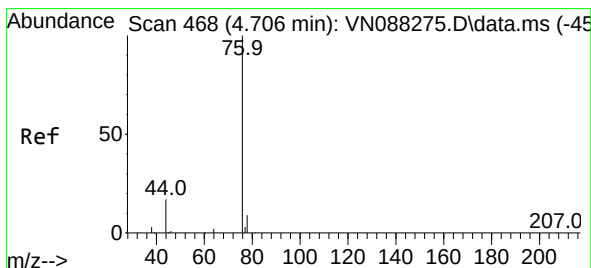
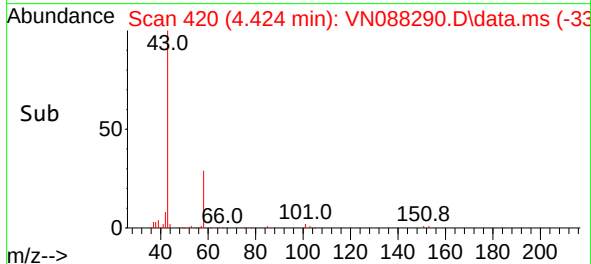
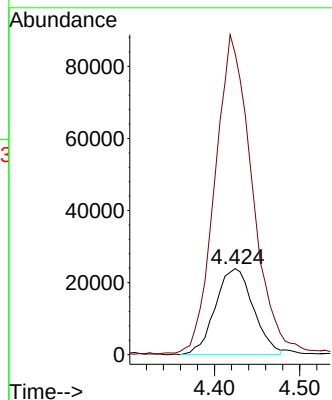
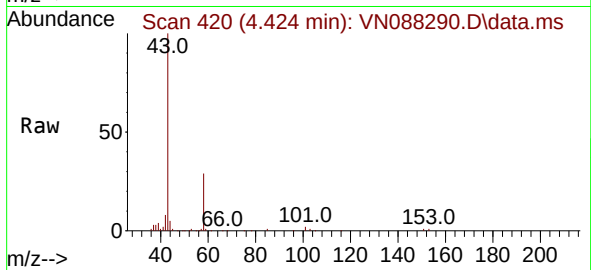
#15
Acetone
Concen: 115.793 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 58 Resp: 7386
Ion Ratio Lower Upper
58 100
43 346.3 273.9 410.9

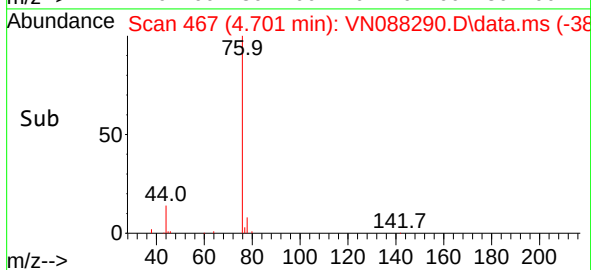
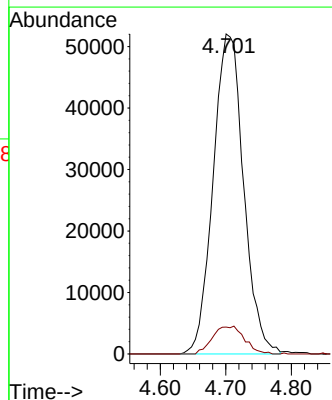
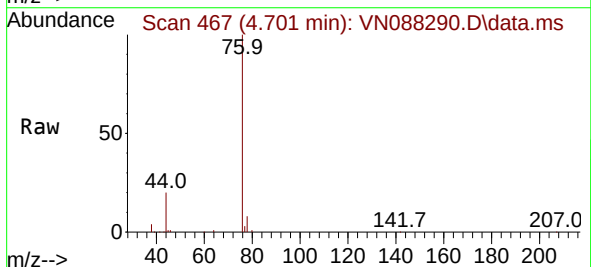
Manual Integrations
APPROVED

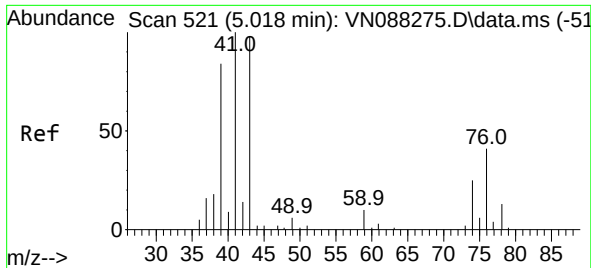
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#16
Carbon Disulfide
Concen: 16.708 ug/l
RT: 4.701 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Tgt Ion: 76 Resp: 167673
Ion Ratio Lower Upper
76 100
78 8.4 7.5 11.3





#17
 Allyl chloride
 Concen: 18.118 ug/l
 RT: 5.006 min Scan# 51
 Delta R.T. -0.012 min
 Lab File: VN088290.D
 Acq: 14 Nov 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

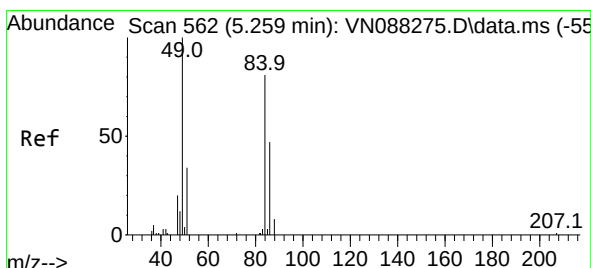
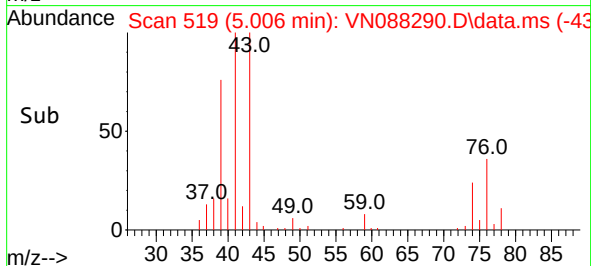
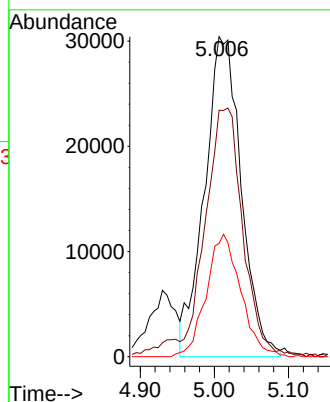
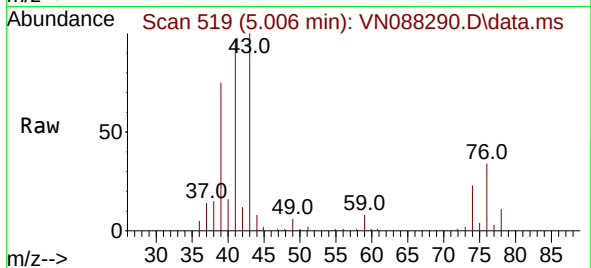
VSTDCCC020EC

Tgt Ion: 41 Resp: 104762
 Ion Ratio Lower Upper
 41 100
 39 76.6 38.3 114.9
 76 35.6 18.5 55.5

Manual Integrations

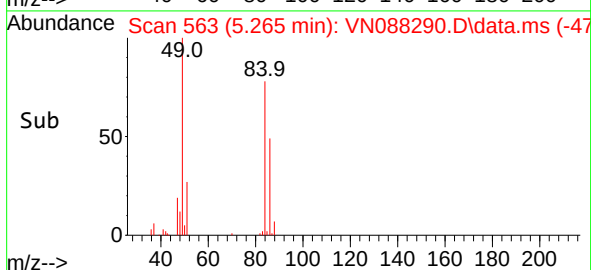
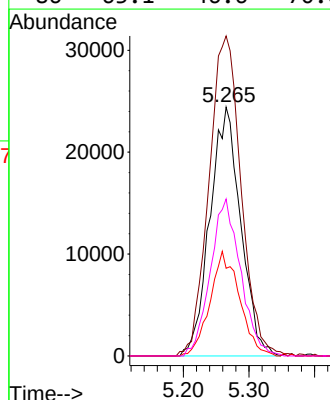
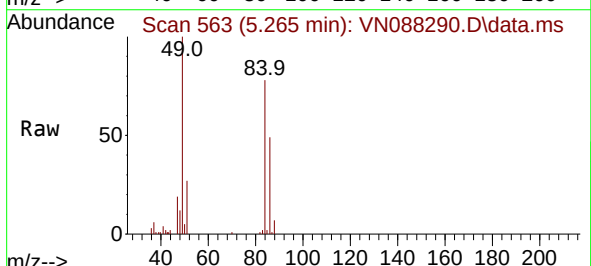
APPROVED

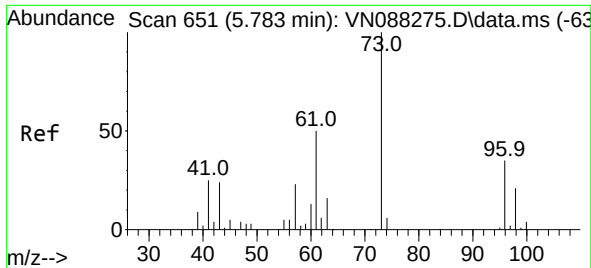
Reviewed By :John Carlone 11/17/2025
 Supervised By :Mahesh Dadoda 11/17/2025



#18
 Methylene Chloride
 Concen: 21.527 ug/l
 RT: 5.265 min Scan# 563
 Delta R.T. 0.006 min
 Lab File: VN088290.D
 Acq: 14 Nov 2025 15:08

Tgt Ion: 84 Resp: 79618
 Ion Ratio Lower Upper
 84 100
 49 126.9 98.7 148.1
 51 35.2 33.7 50.5
 86 63.1 46.6 70.0





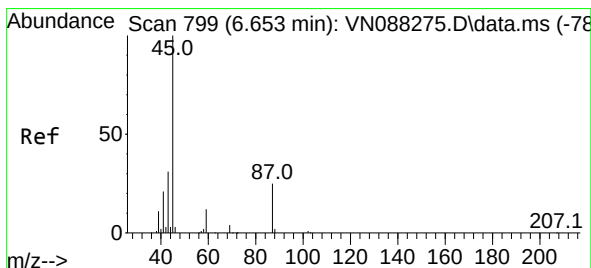
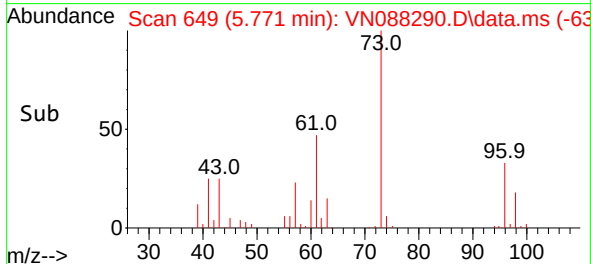
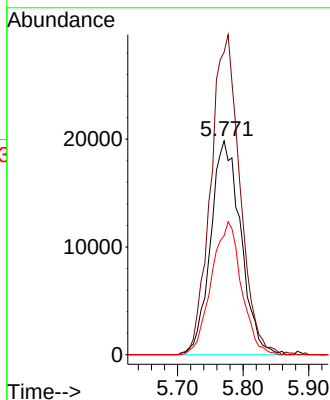
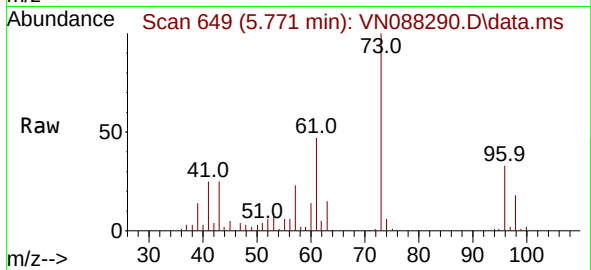
#19
trans-1,2-Dichloroethene
Concen: 18.276 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.012 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 96 Resp: 63325
Ion Ratio Lower Upper
96 100
61 141.6 117.0 175.4
98 55.7 48.6 72.8

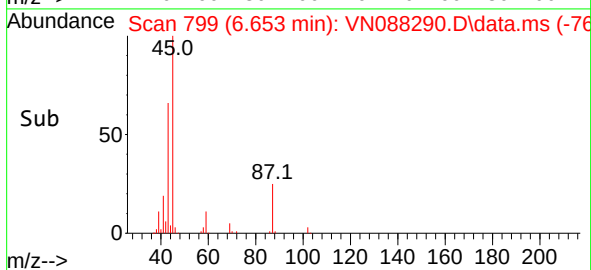
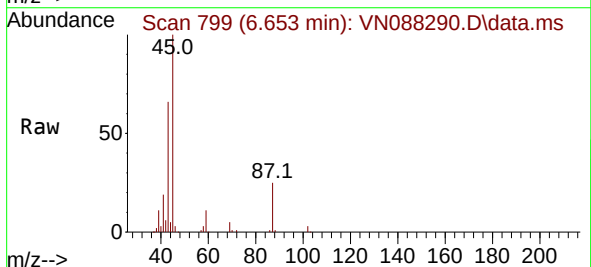
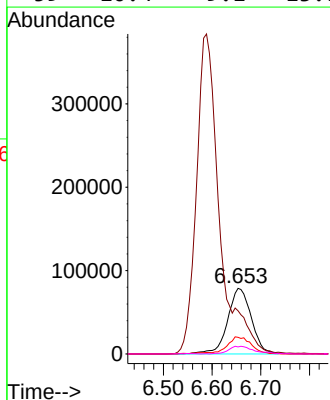
Manual Integrations
APPROVED

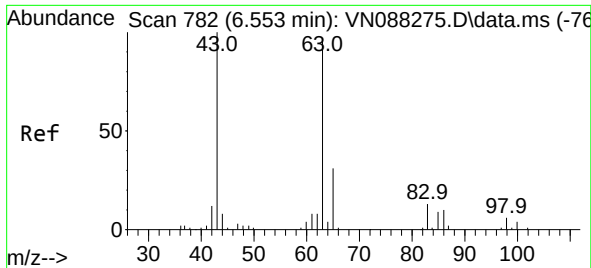
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#20
Diisopropyl ether
Concen: 21.473 ug/l
RT: 6.653 min Scan# 799
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Tgt Ion: 45 Resp: 265311
Ion Ratio Lower Upper
45 100
43 63.2 51.9 77.9
87 25.0 21.1 31.7
59 10.4 9.1 13.7





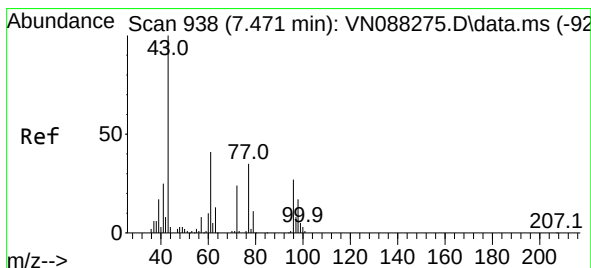
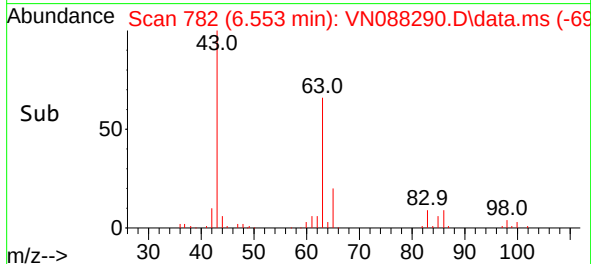
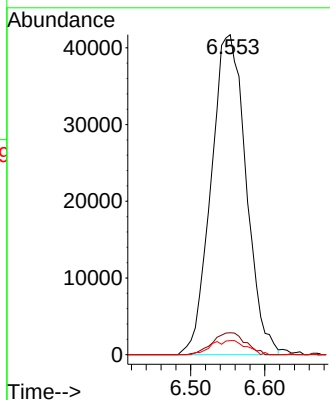
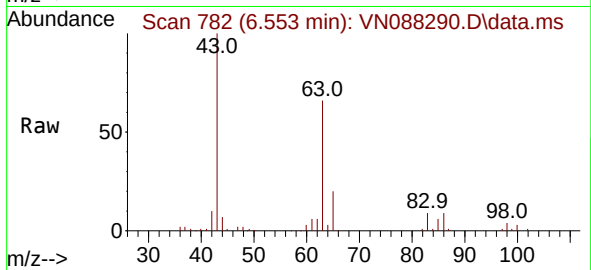
#21
1,1-Dichloroethane
Concen: 19.565 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 136192
Ion Ratio Lower Upper
63 100
98 6.8 3.0 9.0
100 4.4 2.1 6.3

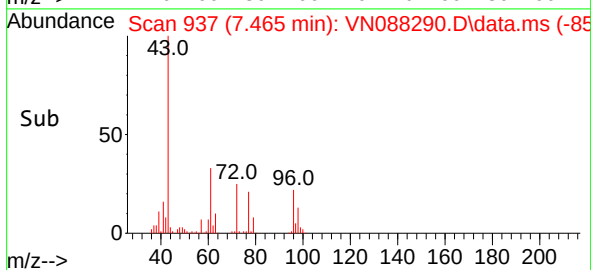
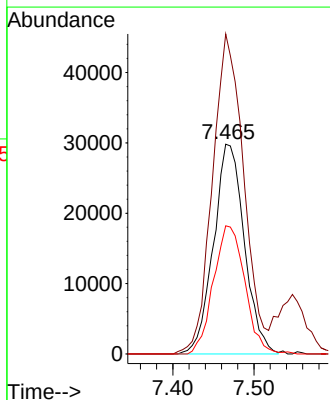
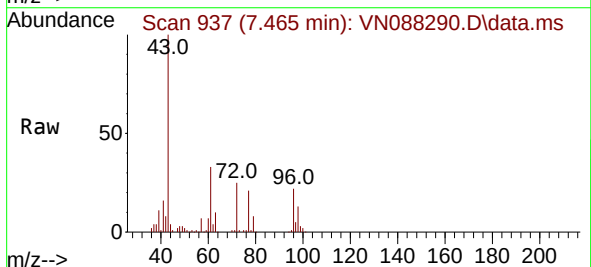
Manual Integrations
APPROVED

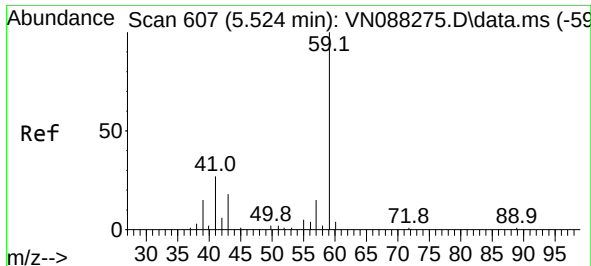
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#22
cis-1,2-Dichloroethene
Concen: 19.547 ug/l
RT: 7.465 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Tgt Ion: 96 Resp: 78718
Ion Ratio Lower Upper
96 100
61 155.1 131.2 196.8
98 62.0 51.0 76.4





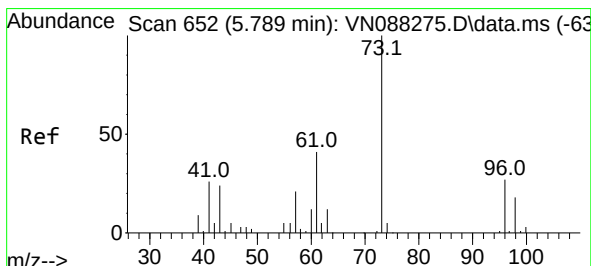
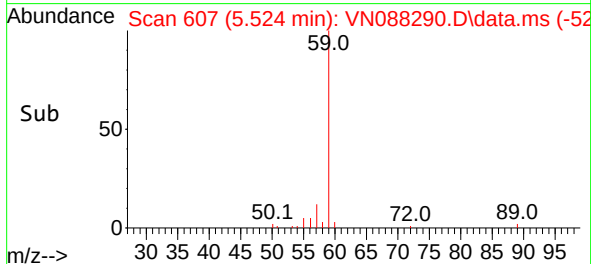
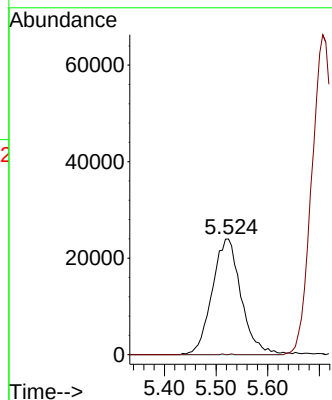
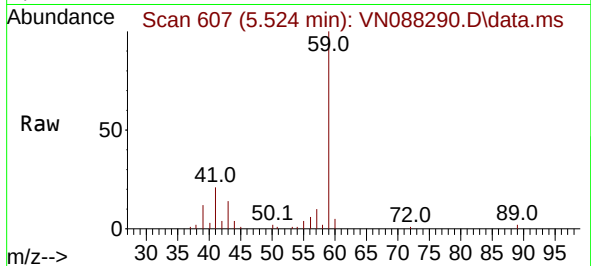
#23
tert-Butyl Alcohol
Concen: 116.118 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 93134
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

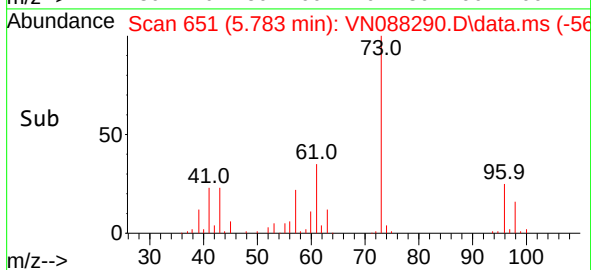
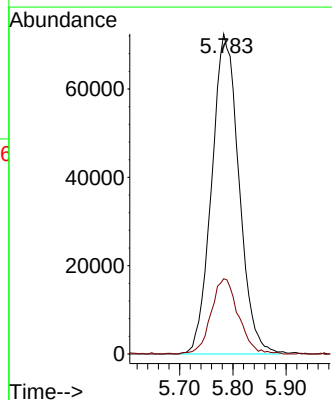
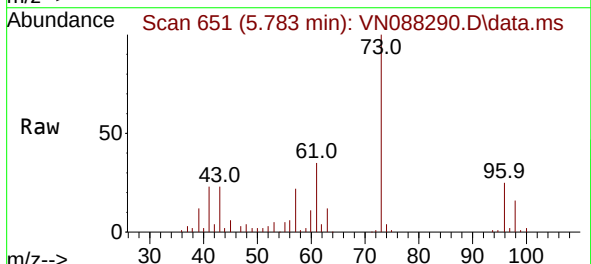
Manual Integrations
APPROVED

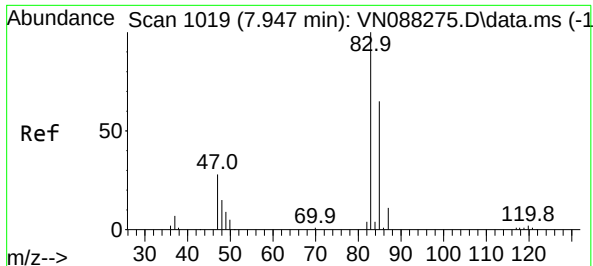
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#24
Methyl tert-Butyl Ether
Concen: 21.492 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Tgt Ion: 73 Resp: 257834
Ion Ratio Lower Upper
73 100
43 23.5 18.5 27.7





#25

Chloroform

Concen: 20.203 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 13935

Ion Ratio Lower Upper

83 100

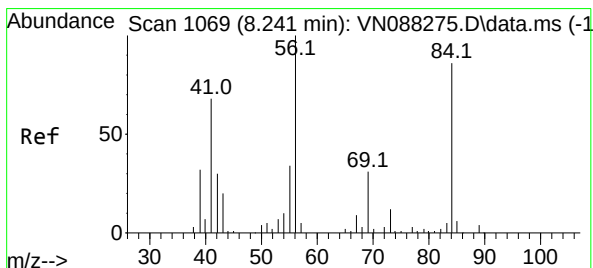
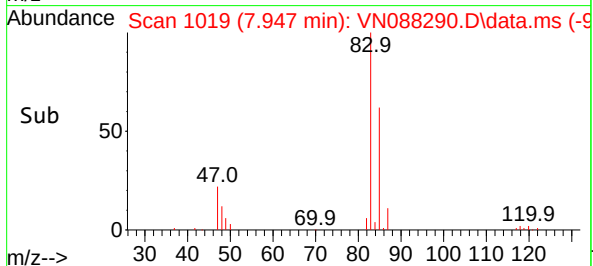
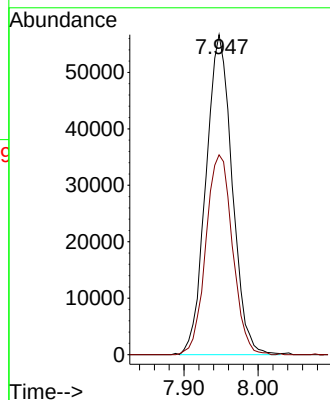
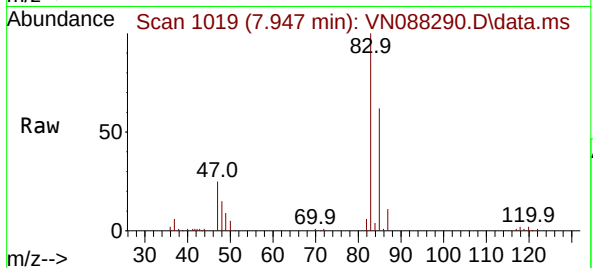
85 62.2 52.2 78.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2025

Supervised By :Mahesh Dadoda 11/17/2025



#26

Cyclohexane

Concen: 14.768 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

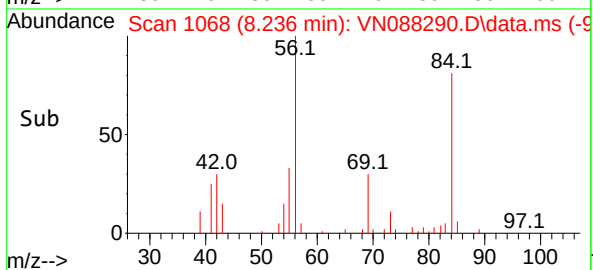
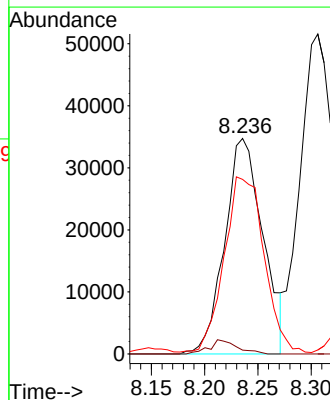
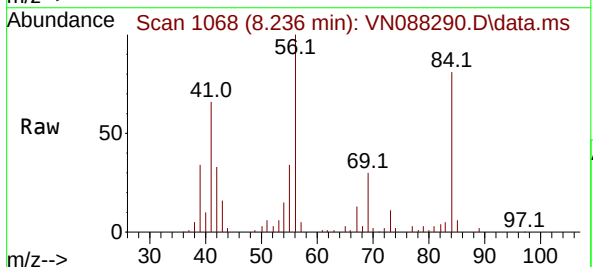
Tgt Ion: 56 Resp: 86833

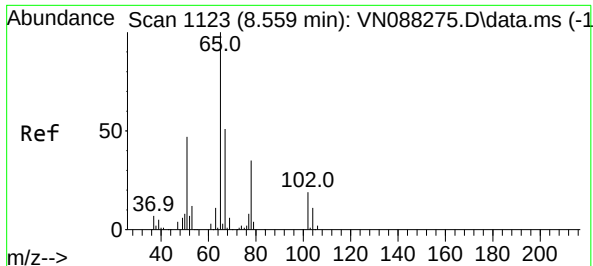
Ion Ratio Lower Upper

56 100

89 4.7 7.3 10.9#

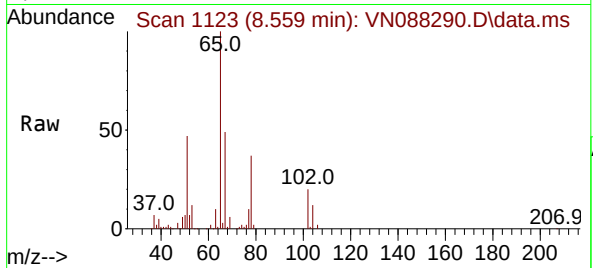
84 86.2 67.8 101.8





#27
1,2-Dichloroethane-d4
Concen: 29.319 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

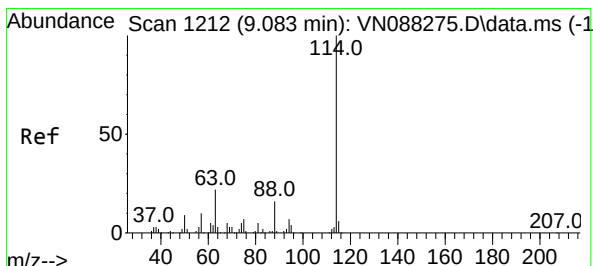
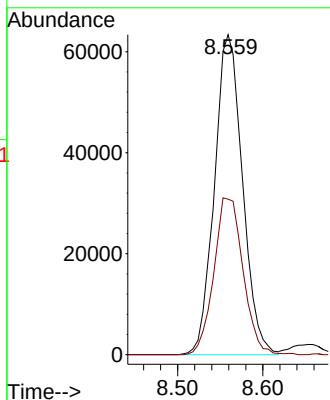
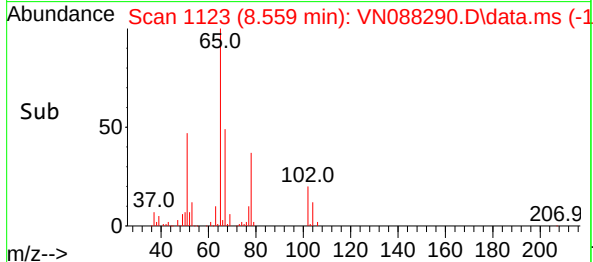
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



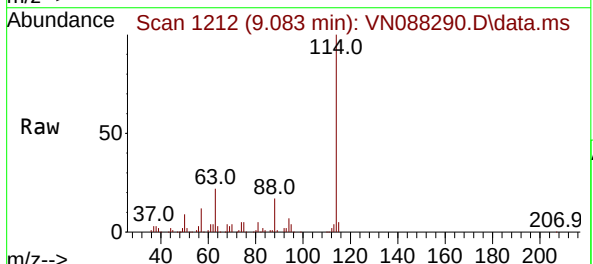
Tgt Ion: 65 Resp: 144910
Ion Ratio Lower Upper
65 100
67 50.9 40.2 60.2

Manual Integrations
APPROVED

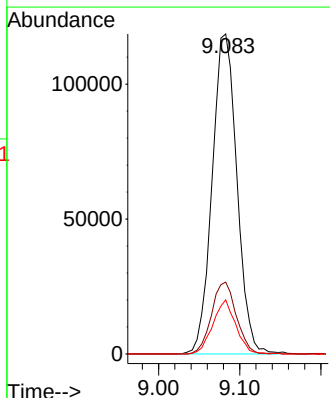
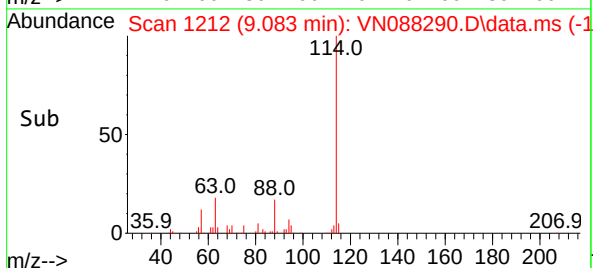
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025

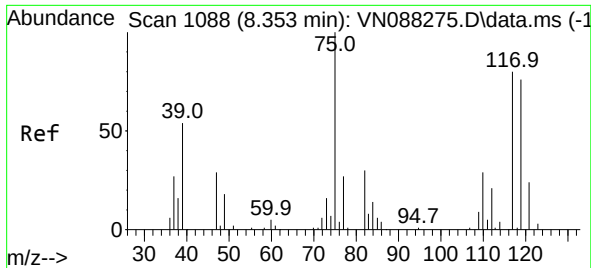


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08



Tgt Ion:114 Resp: 251713
Ion Ratio Lower Upper
114 100
63 22.4 18.9 28.3
88 15.6 12.8 19.2





#29

1,1-Dichloropropene

Concen: 18.549 ug/l

RT: 8.347 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 7790

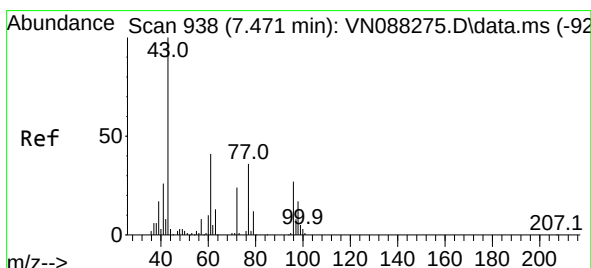
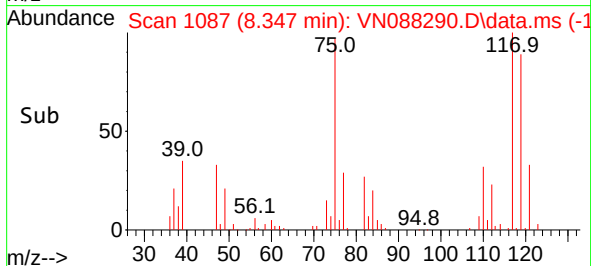
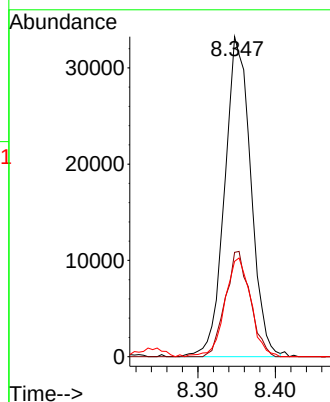
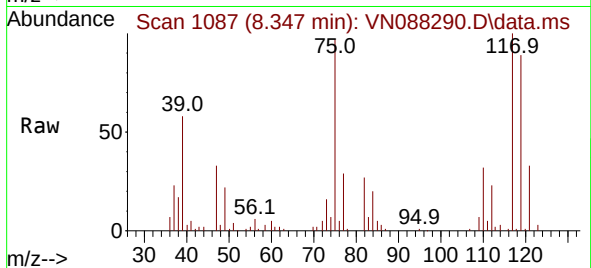
Ion	Ratio	Lower	Upper
75	100		
110	31.1	0.0	65.6
77	30.6	0.0	60.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2025

Supervised By :Mahesh Dadoda 11/17/2025



#30

2-Butanone

Concen: 135.718 ug/l

RT: 7.465 min Scan# 937

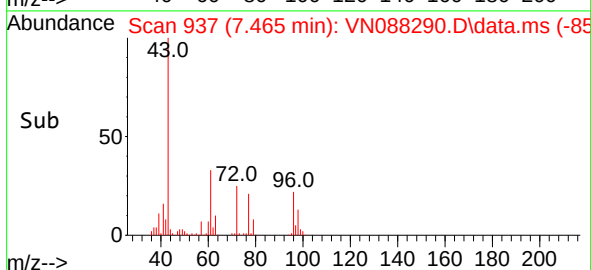
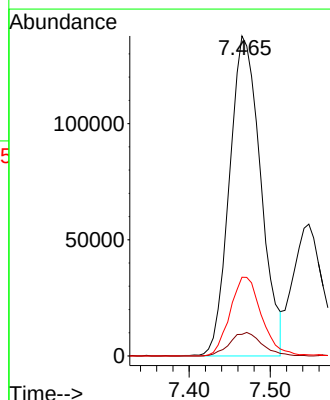
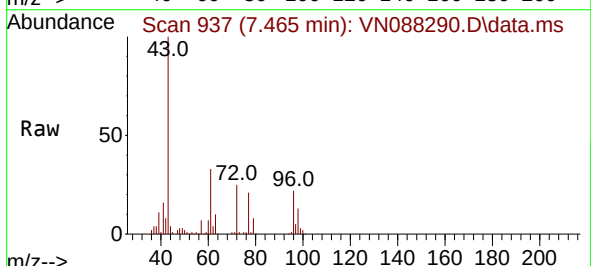
Delta R.T. -0.006 min

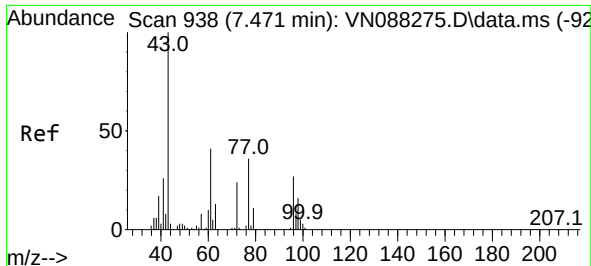
Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

Tgt Ion: 43 Resp: 368716

Ion	Ratio	Lower	Upper
43	100		
57	7.6	6.2	9.4
72	24.9	19.4	29.2





#31

2,2-Dichloropropane

Concen: 17.789 ug/l

RT: 7.477 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 77 Resp: 9215

Ion Ratio Lower Upper

77 100

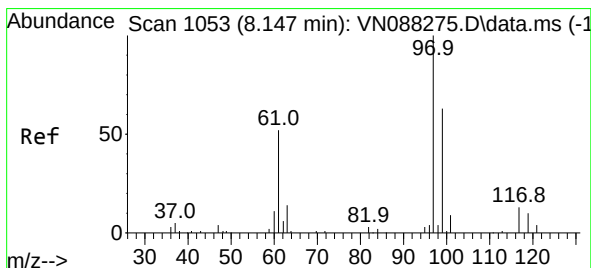
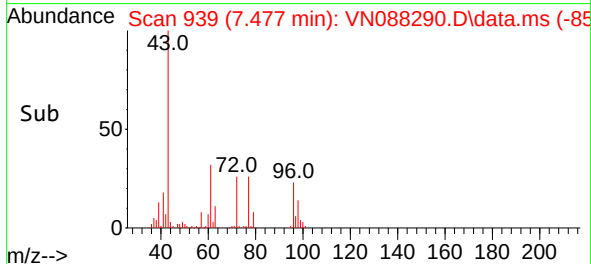
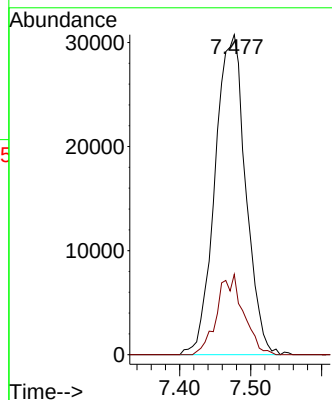
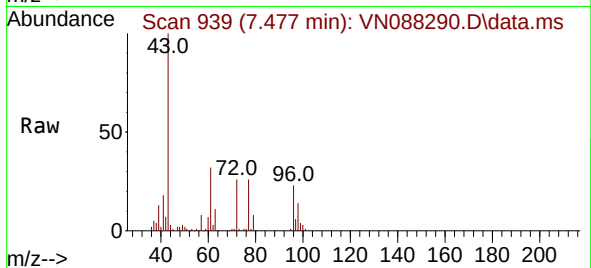
97 11.8 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2025

Supervised By :Mahesh Dadoda 11/17/2025



#32

1,1,1-Trichloroethane

Concen: 19.697 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

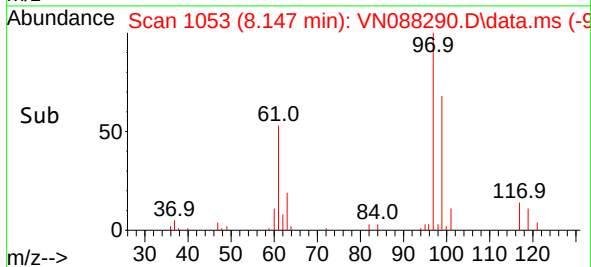
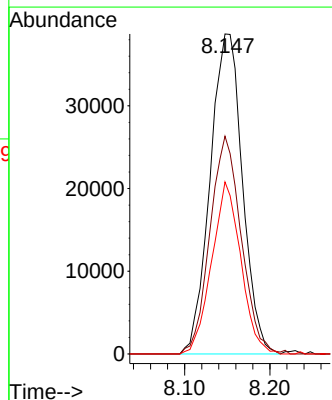
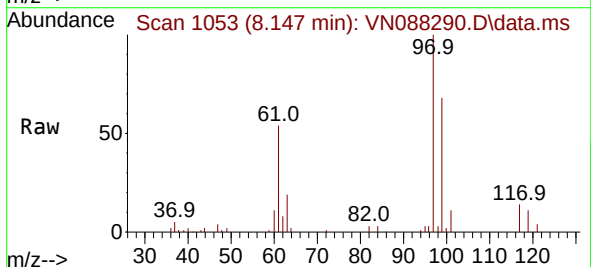
Tgt Ion: 97 Resp: 101981

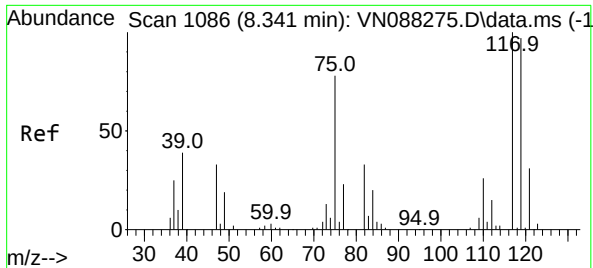
Ion Ratio Lower Upper

97 100

99 65.8 50.2 75.4

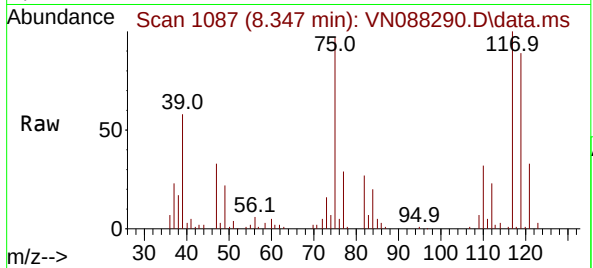
61 48.4 39.8 59.8





#33
Carbon Tetrachloride
Concen: 18.872 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

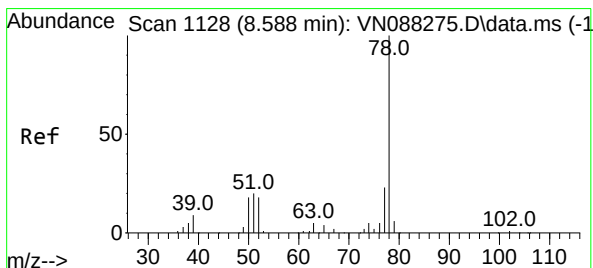
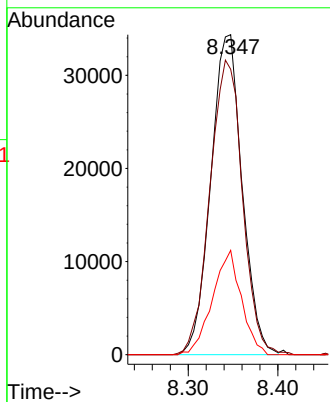
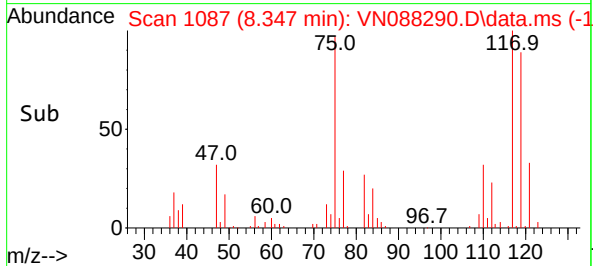
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



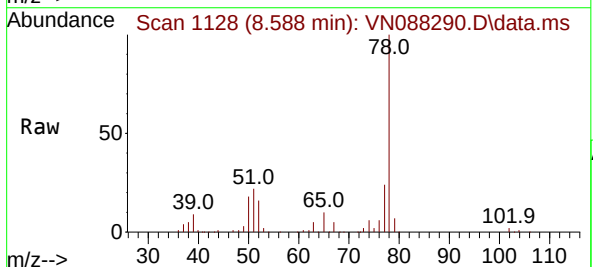
Tgt Ion:117 Resp: 8343
Ion Ratio Lower Upper
117 100
119 88.7 77.8 116.8
121 32.6 24.5 36.7

Manual Integrations
APPROVED

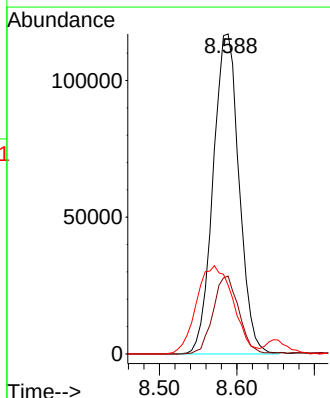
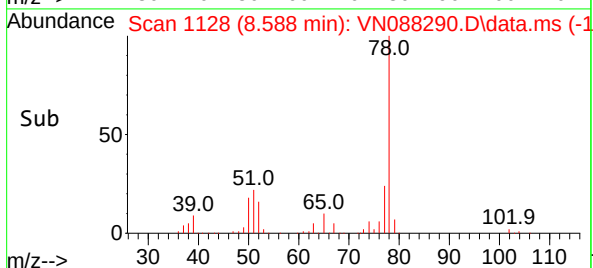
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025

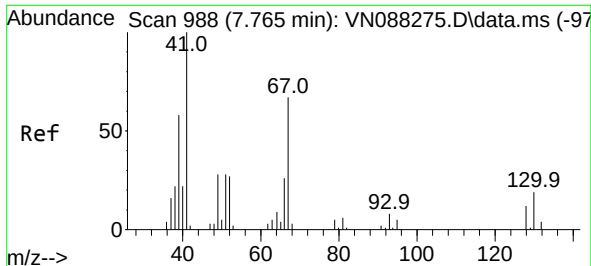


#34
Benzene
Concen: 21.692 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08



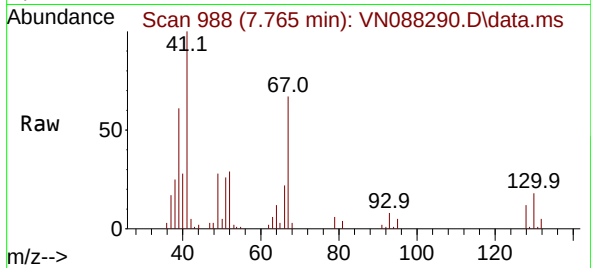
Tgt Ion: 78 Resp: 272321
Ion Ratio Lower Upper
78 100
77 24.4 18.6 27.8
51 20.0 15.8 23.8





#35
Methacrylonitrile
Concen: 26.653 ug/l
RT: 7.765 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

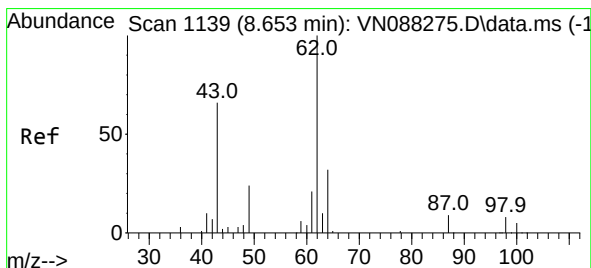
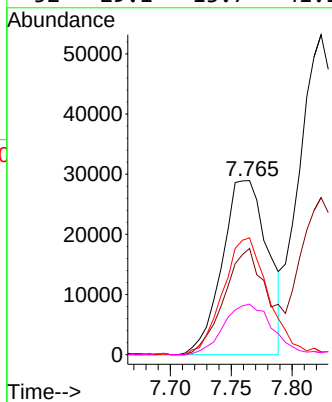
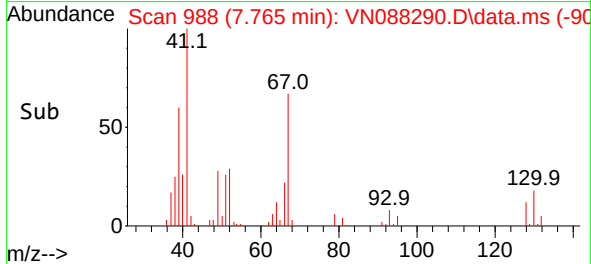
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



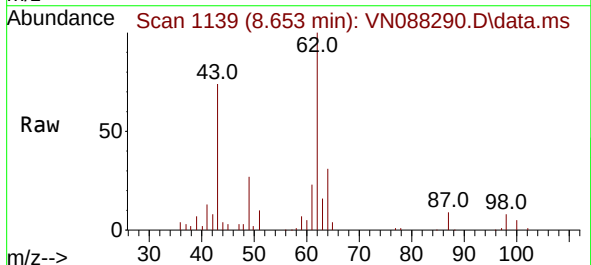
Tgt Ion: 41 Resp: 75529
Ion Ratio Lower Upper
41 100
39 59.6 29.0 87.0
67 67.1 33.3 99.9
52 29.1 13.7 41.1

Manual Integrations
APPROVED

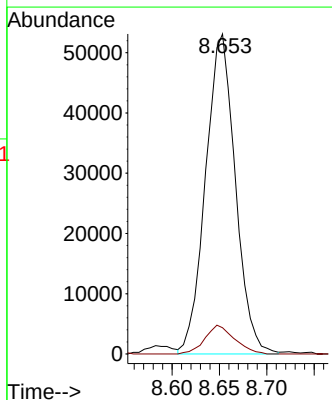
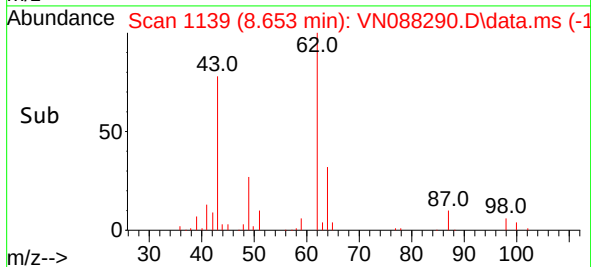
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025

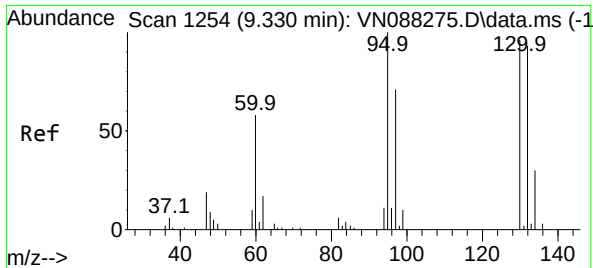


#36
1,2-Dichloroethane
Concen: 23.772 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08



Tgt Ion: 62 Resp: 116144
Ion Ratio Lower Upper
62 100
98 8.9 6.8 10.2





#37

Trichloroethene

Concen: 20.077 ug/l

RT: 9.336 min Scan# 1255

Delta R.T. 0.006 min

Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:130 Resp: 57118

Ion Ratio Lower Upper

130 100

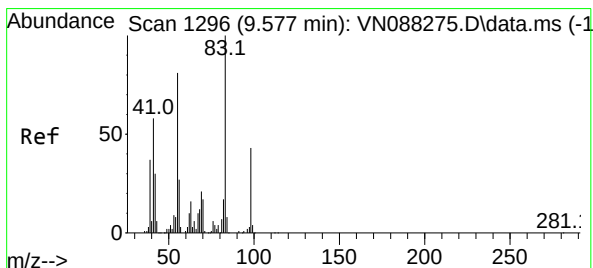
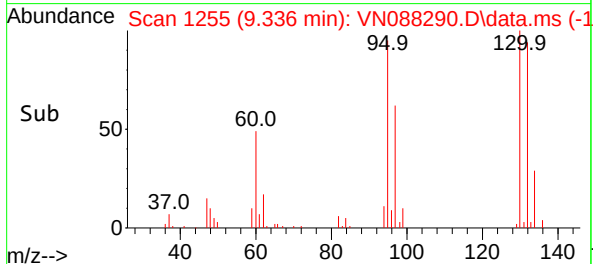
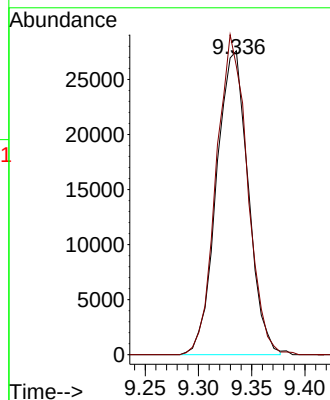
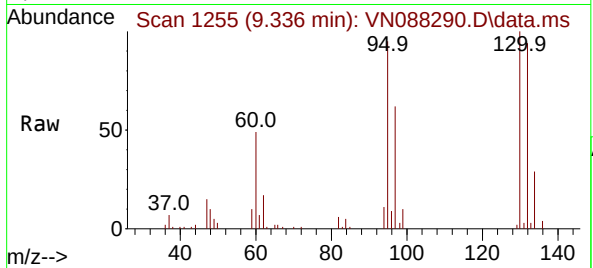
95 95.0 83.7 125.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2025

Supervised By :Mahesh Dadoda 11/17/2025



#38

Methylcyclohexane

Concen: 16.912 ug/l

RT: 9.577 min Scan# 1296

Delta R.T. 0.000 min

Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

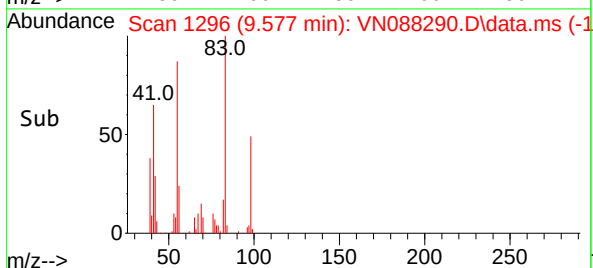
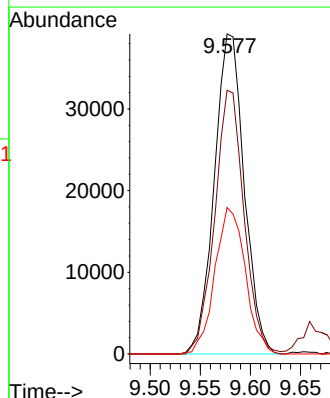
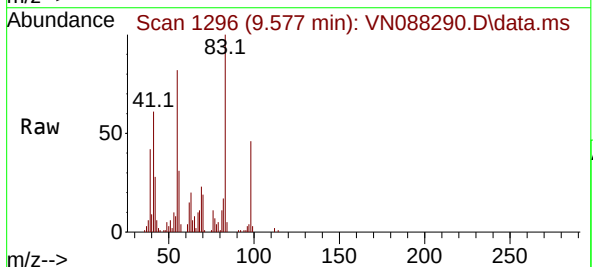
Tgt Ion: 83 Resp: 81432

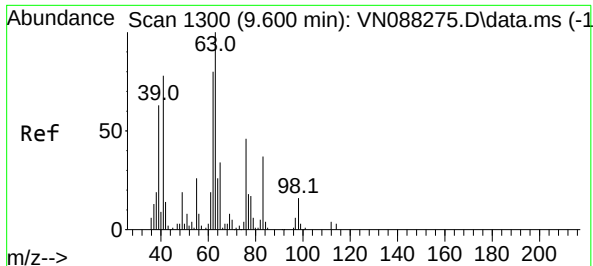
Ion Ratio Lower Upper

83 100

55 80.5 40.8 122.5

98 46.5 23.4 70.3





#39

1,2-Dichloropropane

Concen: 23.484 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 76064

Ion Ratio Lower Upper

63 100

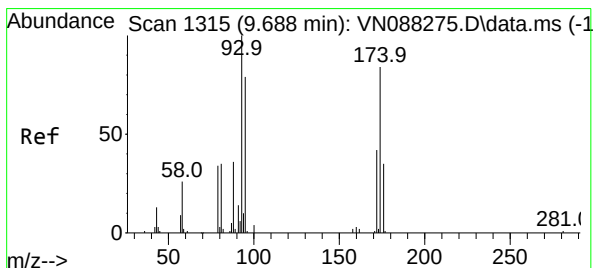
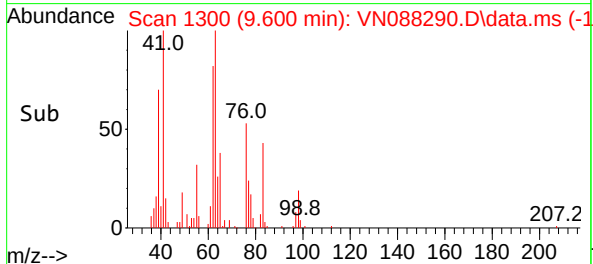
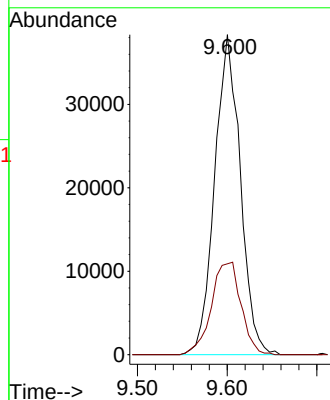
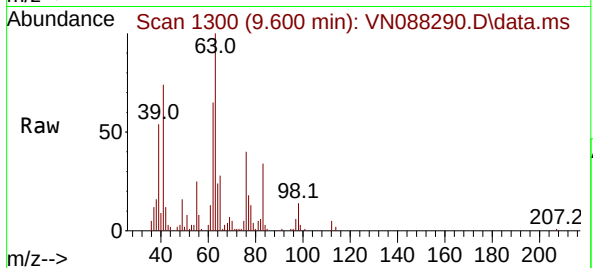
65 28.4 27.8 41.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2025

Supervised By :Mahesh Dadoda 11/17/2025



#40

Dibromomethane

Concen: 25.019 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

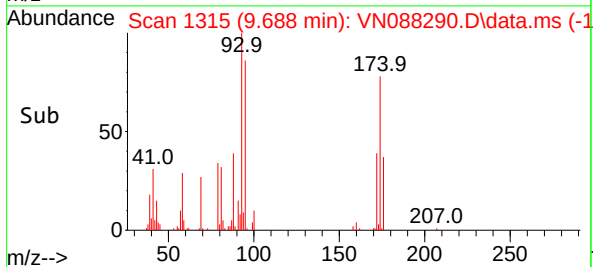
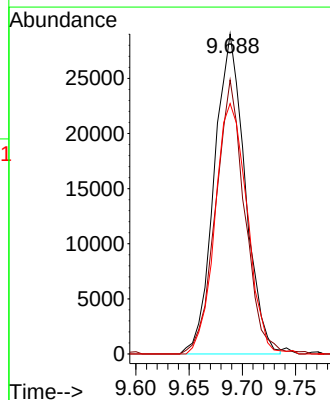
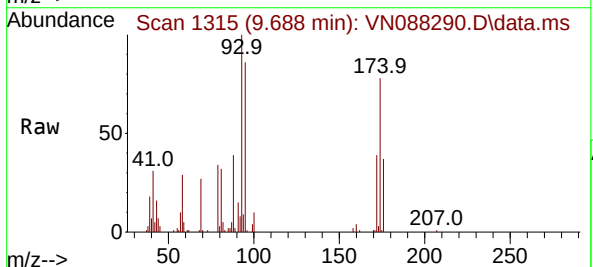
Tgt Ion: 93 Resp: 58222

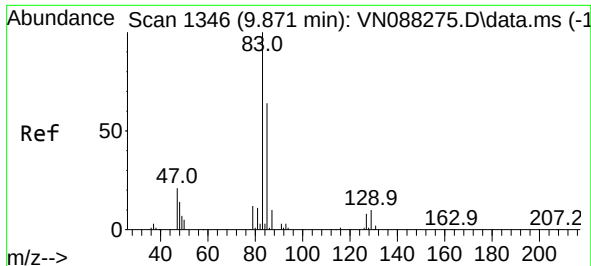
Ion Ratio Lower Upper

93 100

95 81.3 0.0 161.6

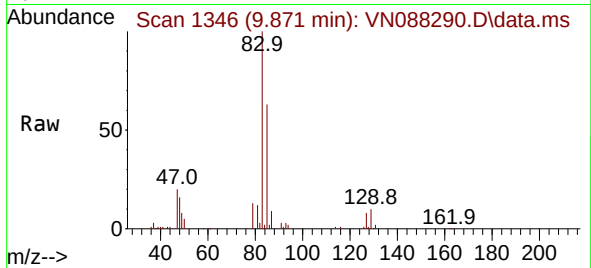
174 81.6 0.0 158.2





#41
Bromodichloromethane
Concen: 23.724 ug/l
RT: 9.871 min Scan# 111138
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

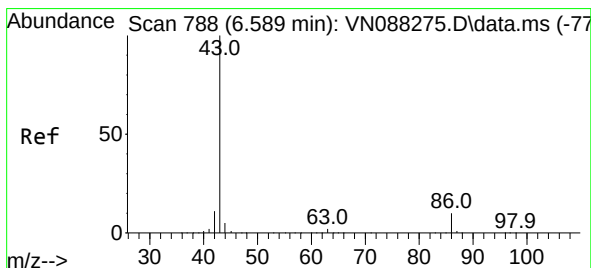
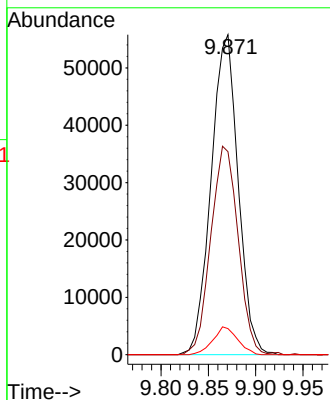
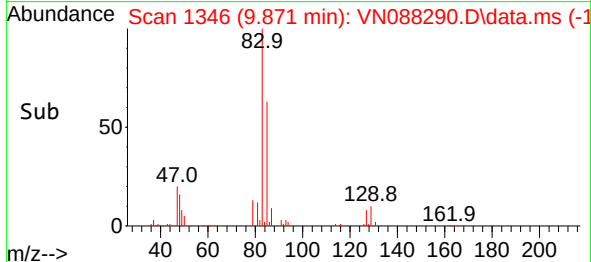
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 111138
Ion Ratio Lower Upper
83 100
85 63.4 51.4 77.2
127 8.2 6.4 9.6

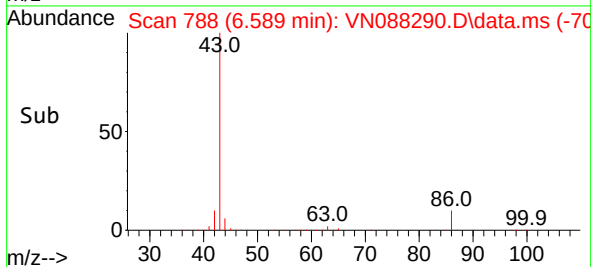
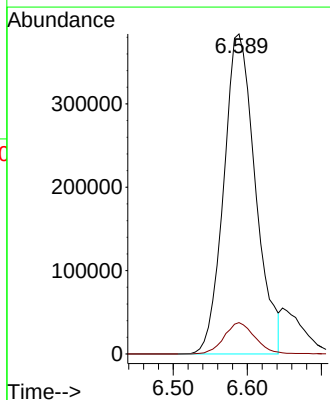
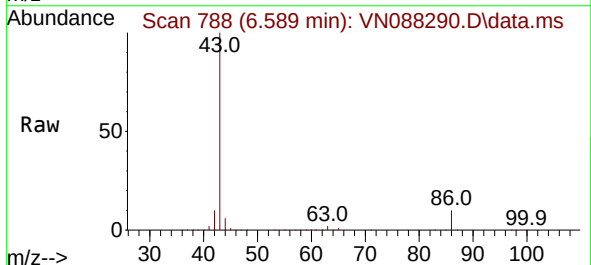
Manual Integrations
APPROVED

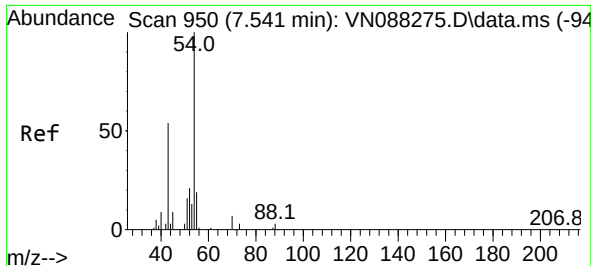
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#42
Vinyl Acetate
Concen: 125.986 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

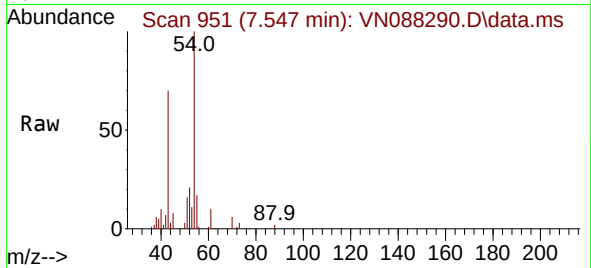
Tgt Ion: 43 Resp: 1142387
Ion Ratio Lower Upper
43 100
86 9.5 7.4 11.2





#43
Ethyl Acetate
Concen: 27.958 ug/l
RT: 7.547 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

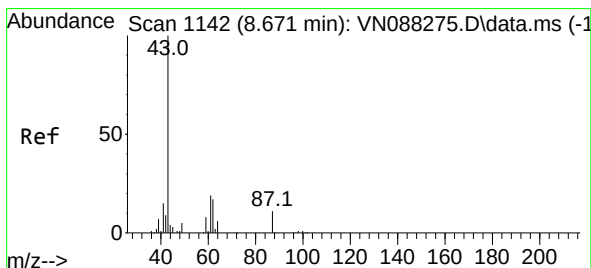
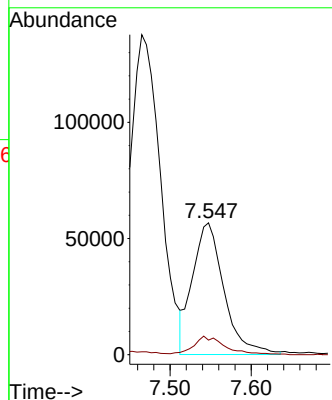
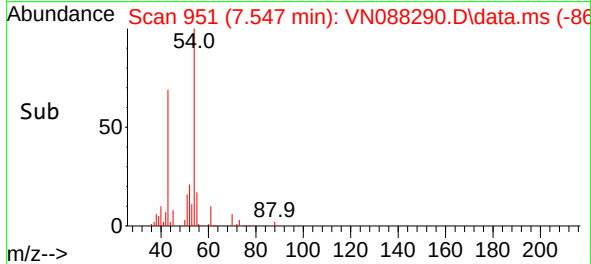
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 152829
Ion Ratio Lower Upper
43 100
45 6.3 9.9 14.9

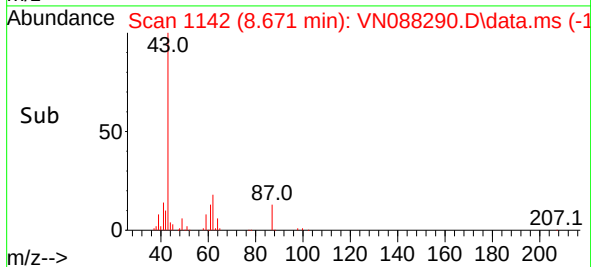
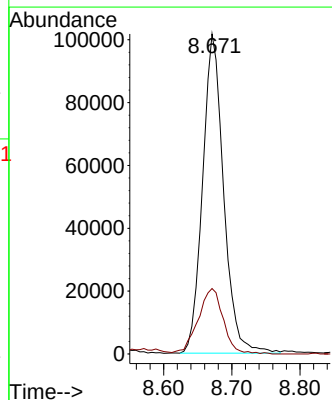
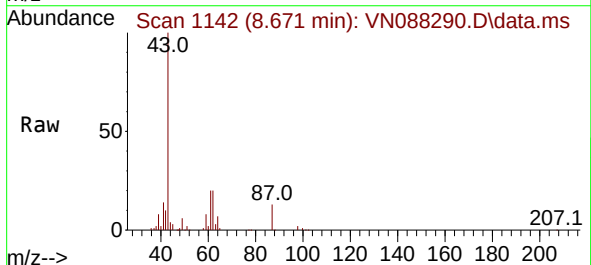
Manual Integrations
APPROVED

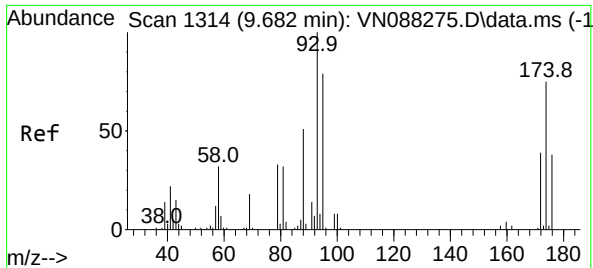
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#44
Isopropyl Acetate
Concen: 25.897 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

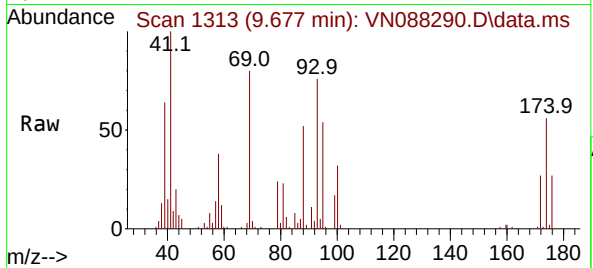
Tgt Ion: 43 Resp: 218161
Ion Ratio Lower Upper
43 100
61 24.5 19.0 28.6





#45
1,4-Dioxane
Concen: 633.176 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

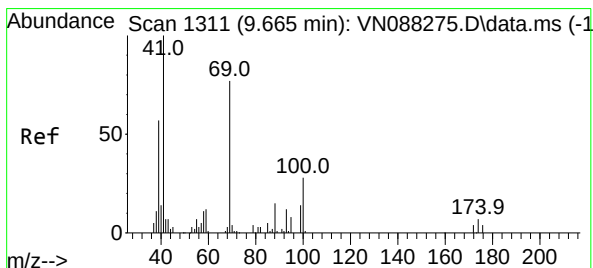
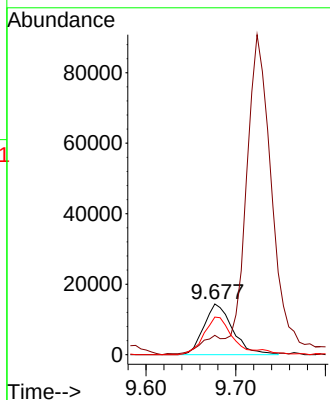
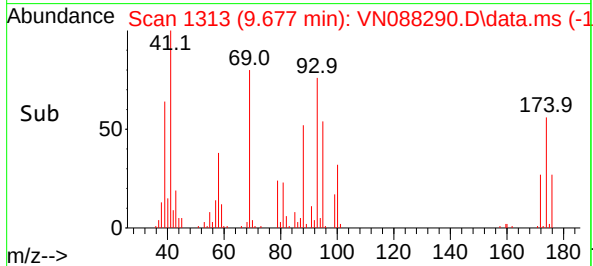
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 88 Resp: 3212
Ion Ratio Lower Upper
88 100
43 24.5 27.8 41.8
58 72.4 59.5 89.3

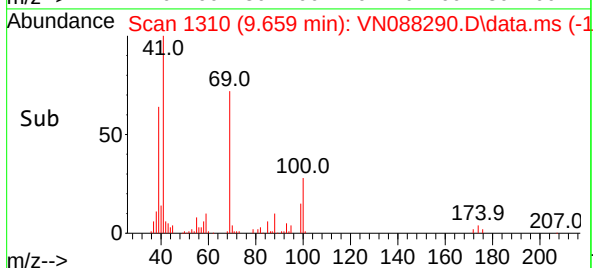
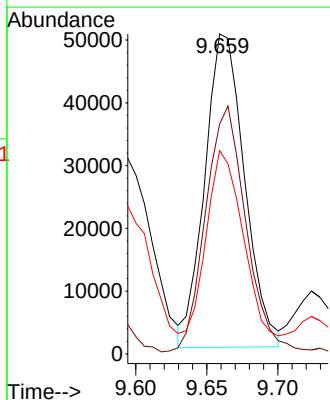
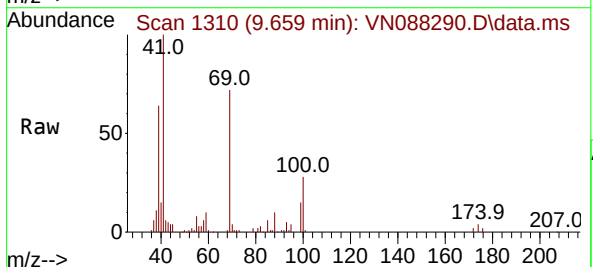
Manual Integrations
APPROVED

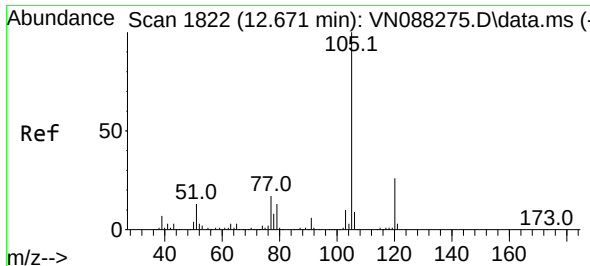
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#46
Methyl methacrylate
Concen: 24.716 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

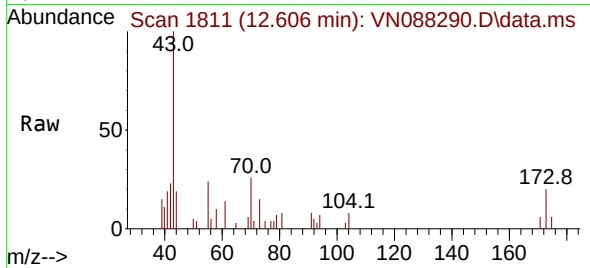
Tgt Ion: 41 Resp: 97431
Ion Ratio Lower Upper
41 100
69 75.3 38.5 115.3
39 62.4 29.0 87.1





#47
n-amy1 Acetate
Concen: 19.652 ug/l m
RT: 12.606 min Scan# 11
Delta R.T. -0.065 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

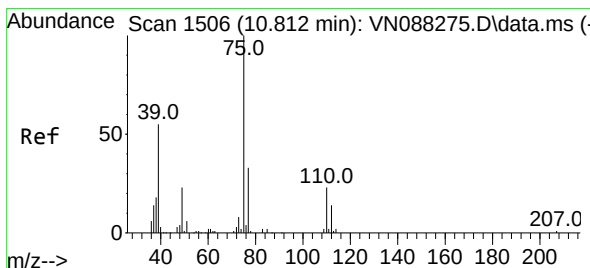
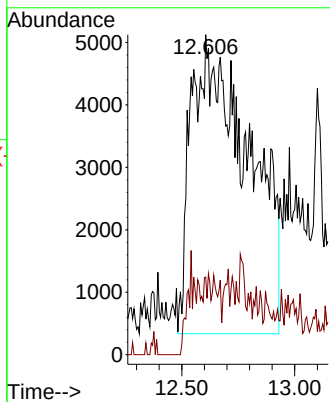
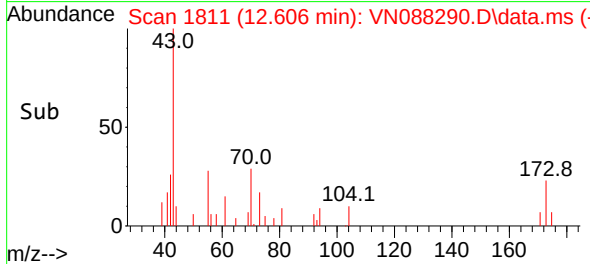
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 8389
Ion Ratio Lower Upper
43 100
55 1.0 0.0 0.0

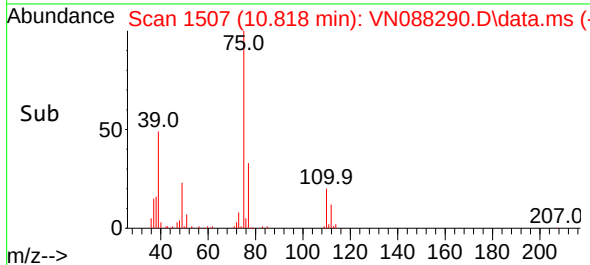
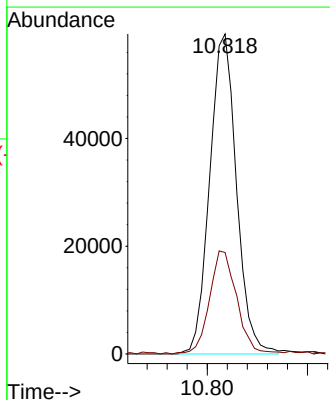
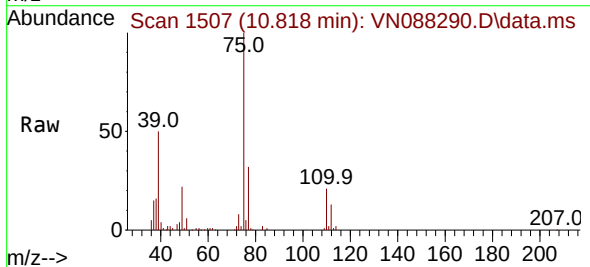
Manual Integrations
APPROVED

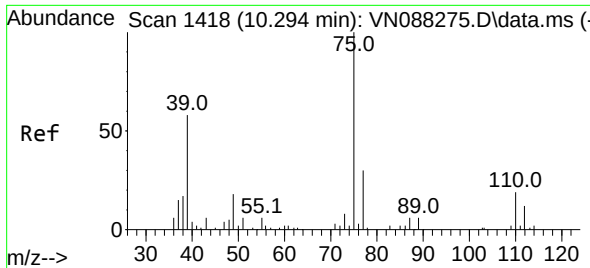
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#48
t-1,3-Dichloropropene
Concen: 21.949 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

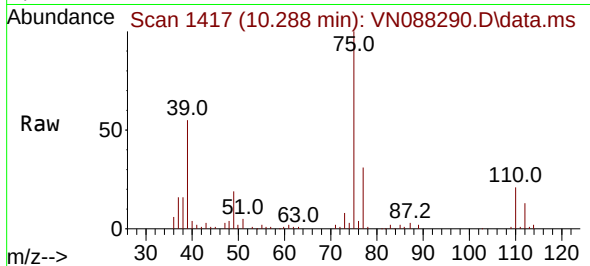
Tgt Ion: 75 Resp: 109979
Ion Ratio Lower Upper
75 100
77 31.3 26.1 39.1





#49
 cis-1,3-Dichloropropene
 Concen: 22.243 ug/l
 RT: 10.288 min Scan# 1417
 Delta R.T. -0.006 min
 Lab File: VN088290.D
 Acq: 14 Nov 2025 15:08

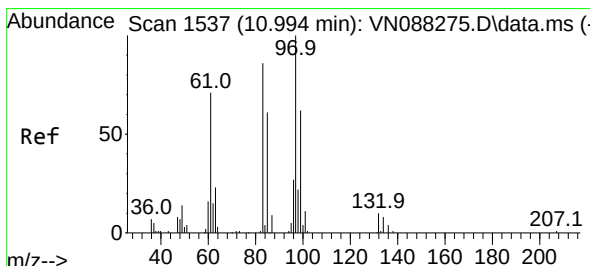
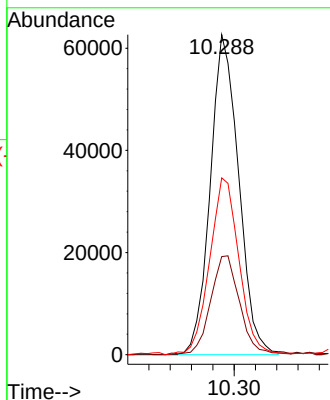
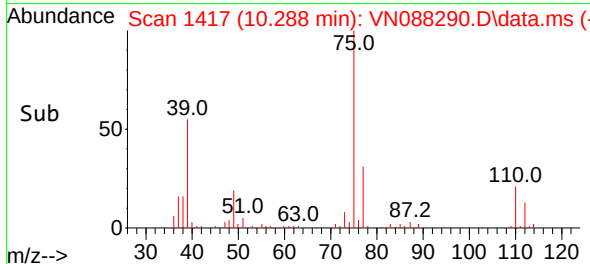
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 75 Resp: 11596
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.4 36.6
 39 54.7 46.1 69.1

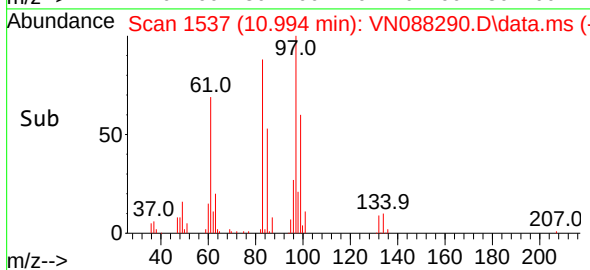
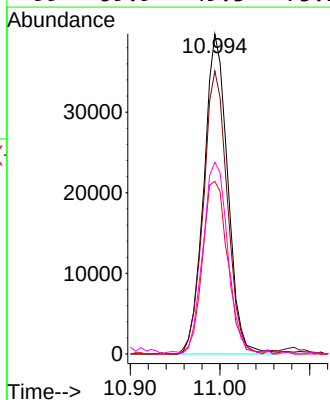
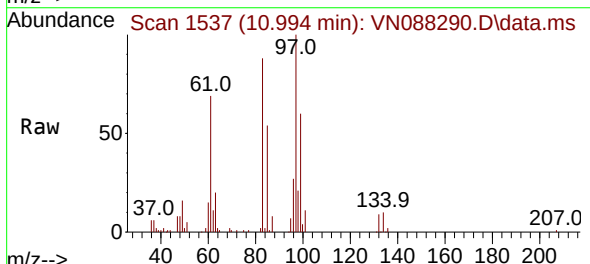
Manual Integrations
 APPROVED

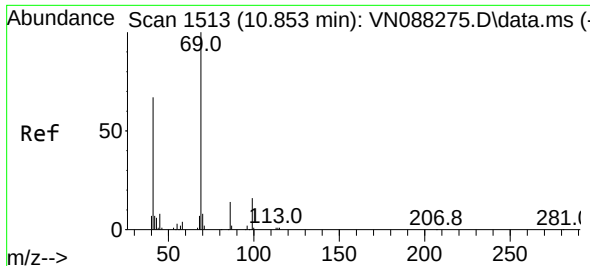
Reviewed By :John Carlone 11/17/2025
 Supervised By :Mahesh Dadoda 11/17/2025



#50
 1,1,2-Trichloroethane
 Concen: 25.413 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: VN088290.D
 Acq: 14 Nov 2025 15:08

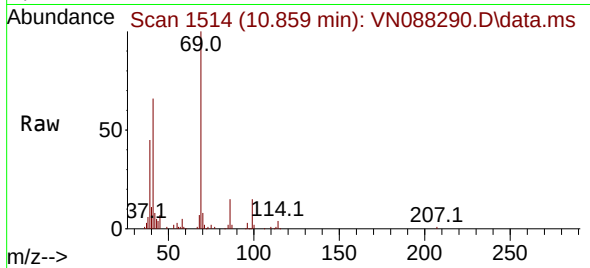
Tgt Ion: 97 Resp: 73127
 Ion Ratio Lower Upper
 97 100
 83 88.5 68.6 102.8
 85 54.0 49.0 73.6
 99 59.9 49.3 73.9





#51
Ethyl methacrylate
Concen: 23.096 ug/l
RT: 10.859 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

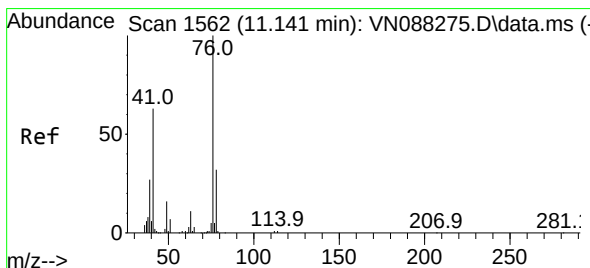
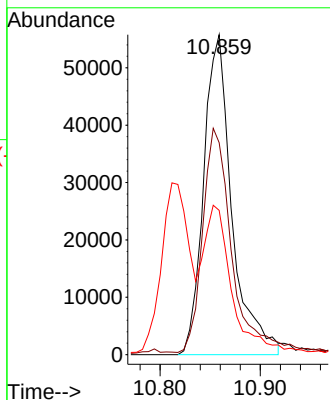
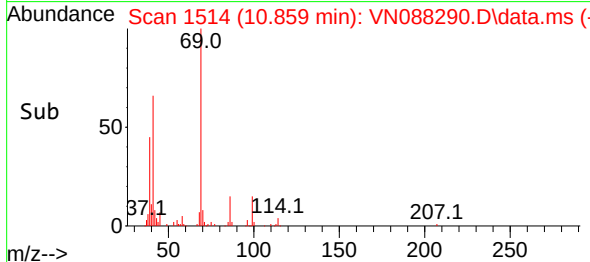
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 69 Resp: 109344
Ion Ratio Lower Upper
69 100
41 65.6 33.6 100.8
39 42.1 23.4 70.2

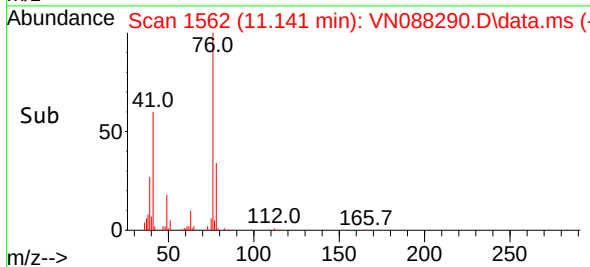
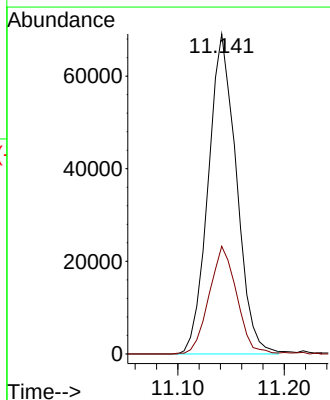
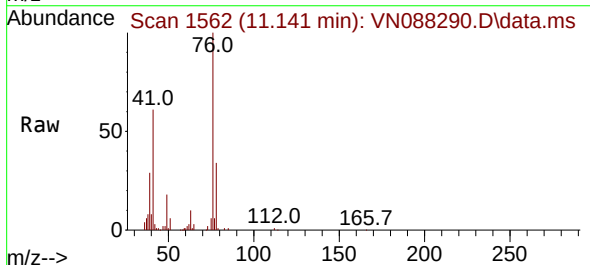
Manual Integrations
APPROVED

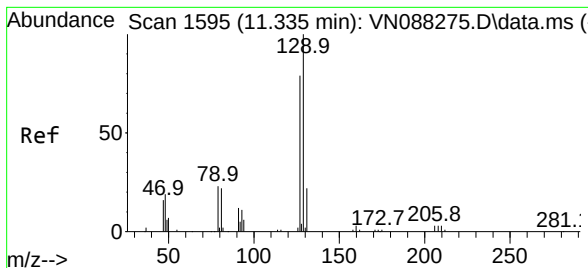
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#52
1,3-Dichloropropane
Concen: 24.245 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

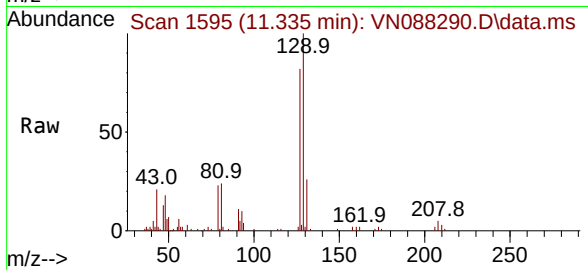
Tgt Ion: 76 Resp: 127053
Ion Ratio Lower Upper
76 100
78 32.9 0.0 64.2





#53
Dibromochloromethane
Concen: 24.284 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

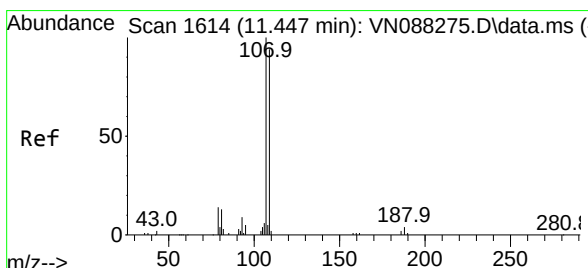
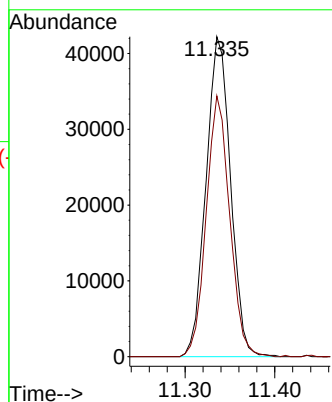
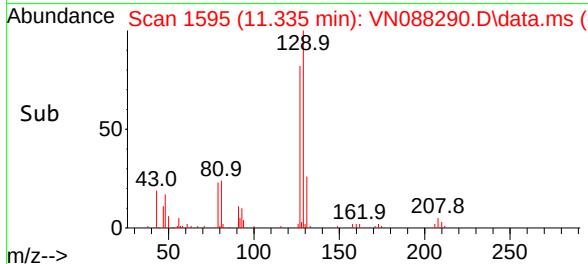
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



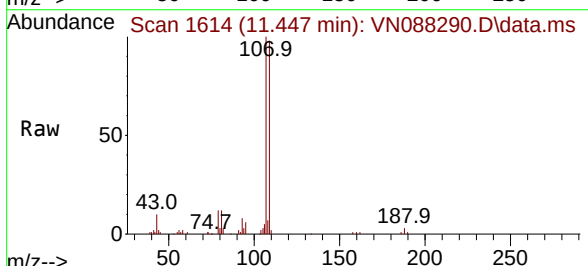
Tgt Ion:129 Resp: 80261
Ion Ratio Lower Upper
129 100
127 78.0 38.2 114.6

Manual Integrations
APPROVED

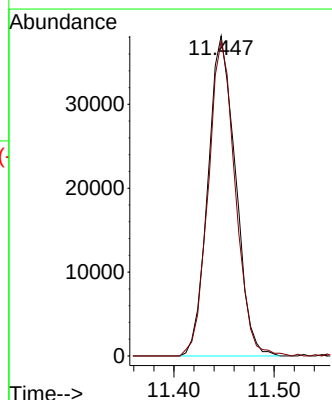
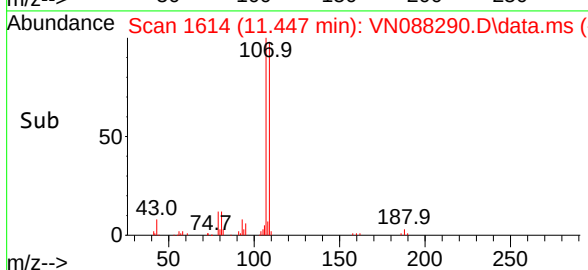
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025

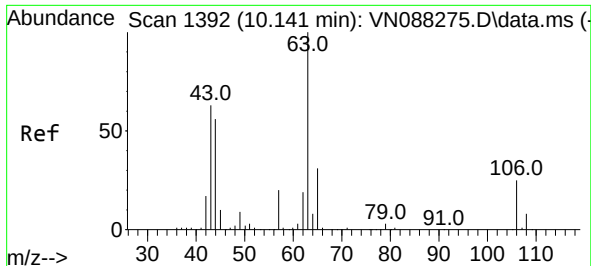


#54
1,2-Dibromoethane
Concen: 24.370 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08



Tgt Ion:107 Resp: 72861
Ion Ratio Lower Upper
107 100
109 96.5 76.6 115.0





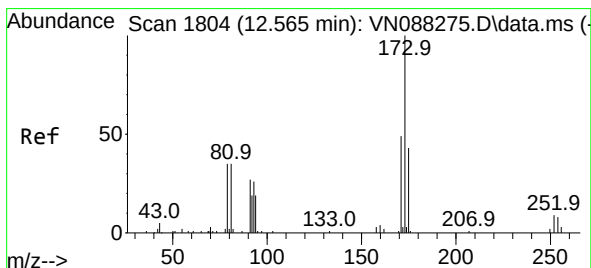
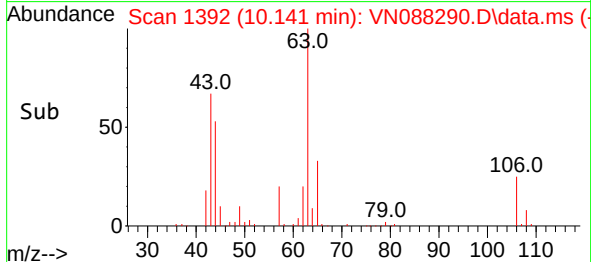
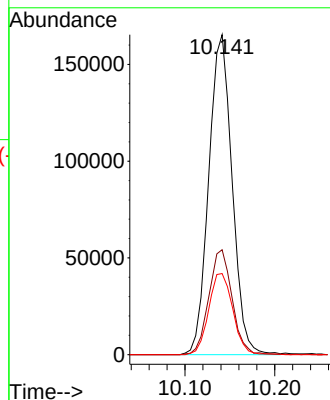
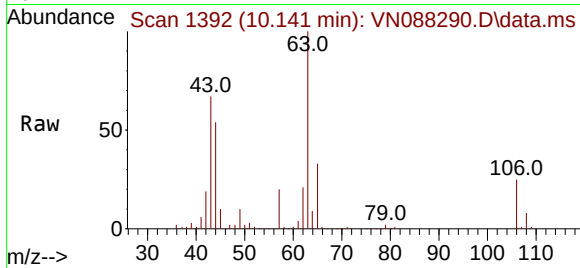
#55
2-Chloroethyl vinyl ether
Concen: 109.818 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 29948
Ion Ratio Lower Upper
63 100
65 32.3 24.9 37.3
106 26.1 20.3 30.5

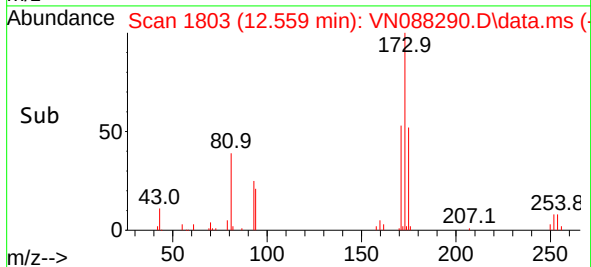
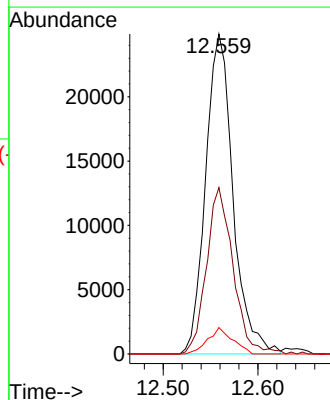
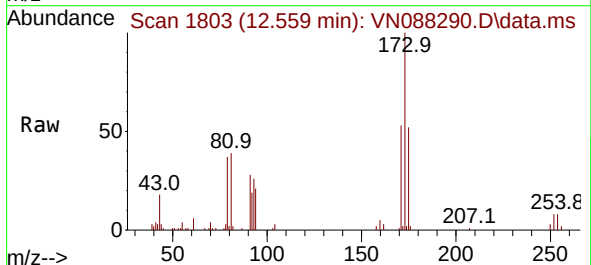
Manual Integrations
APPROVED

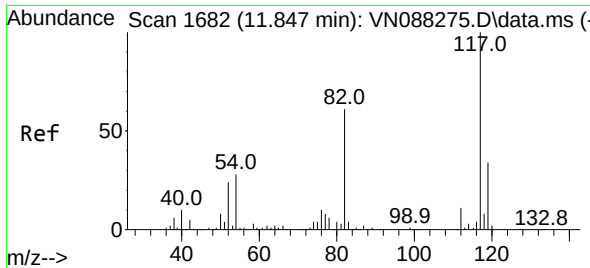
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#56
Bromoform
Concen: 23.941 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

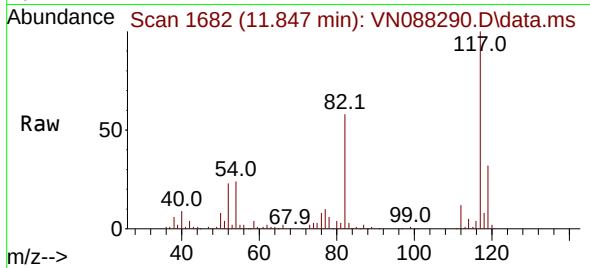
Tgt Ion:173 Resp: 50087
Ion Ratio Lower Upper
173 100
175 50.3 37.7 56.5
254 7.5 5.9 8.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

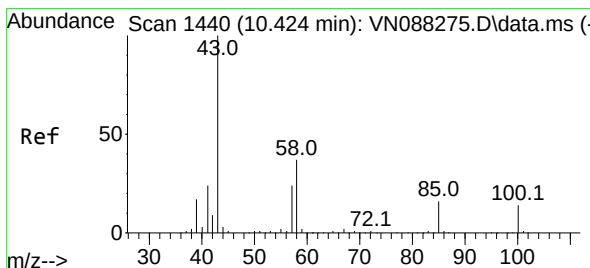
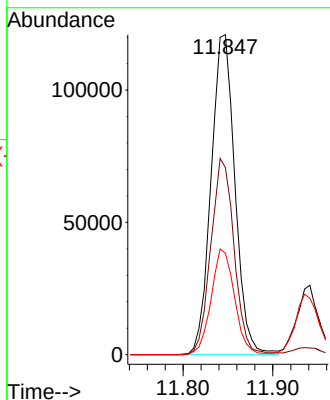
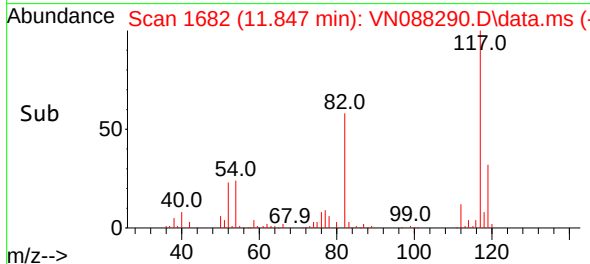
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 224020
Ion Ratio Lower Upper
117 100
82 59.6 49.3 73.9
119 32.3 26.4 39.6

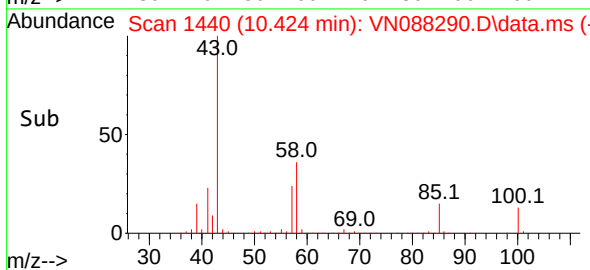
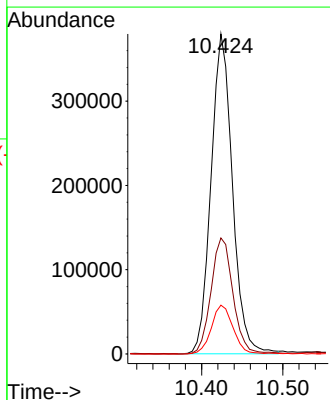
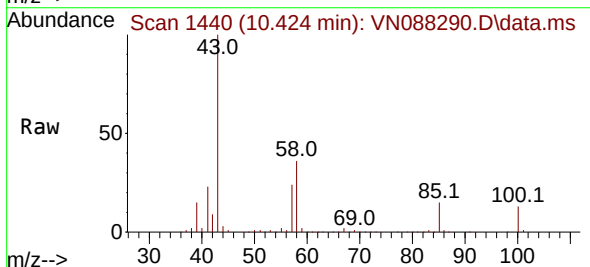
Manual Integrations
APPROVED

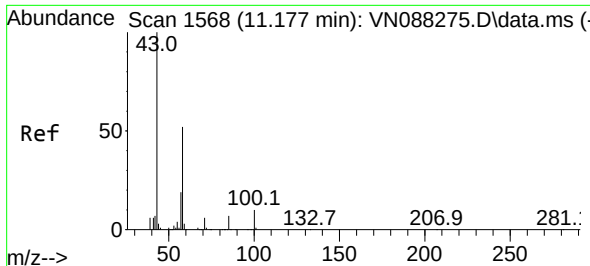
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#58
4-Methyl-2-Pentanone
Concen: 137.354 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

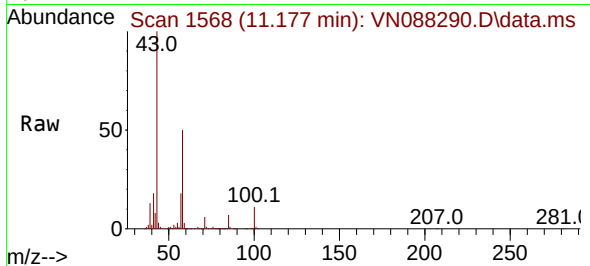
Tgt Ion: 43 Resp: 695940
Ion Ratio Lower Upper
43 100
58 37.3 29.2 43.8
85 15.4 12.6 19.0





#59
2-Hexanone
Concen: 129.836 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

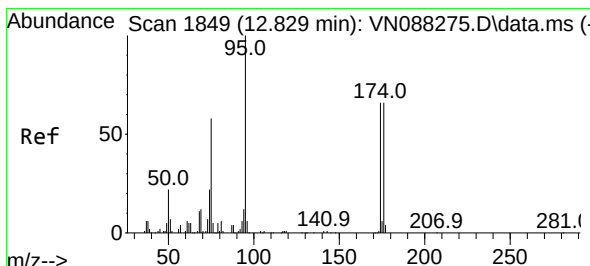
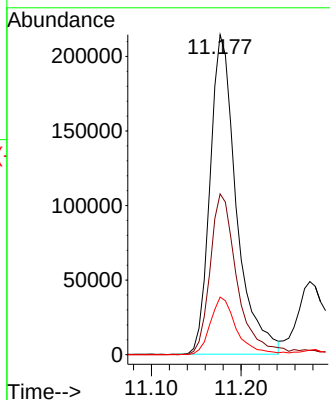
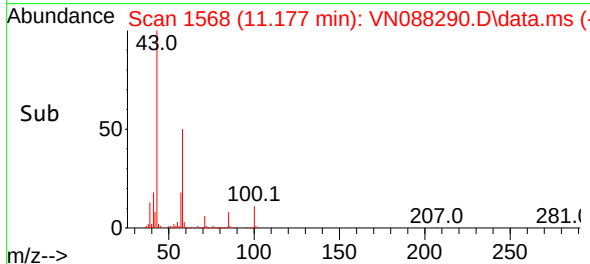
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 436830
Ion Ratio Lower Upper
43 100
58 51.5 41.0 61.4
57 17.8 14.4 21.6

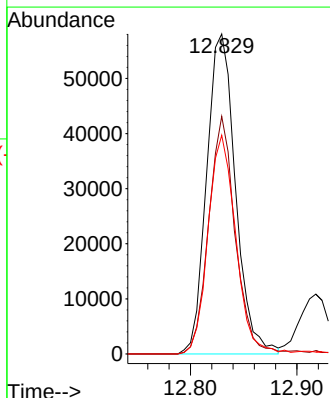
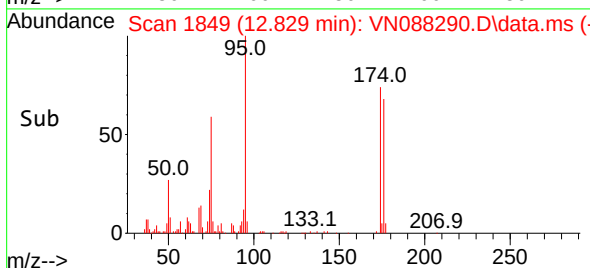
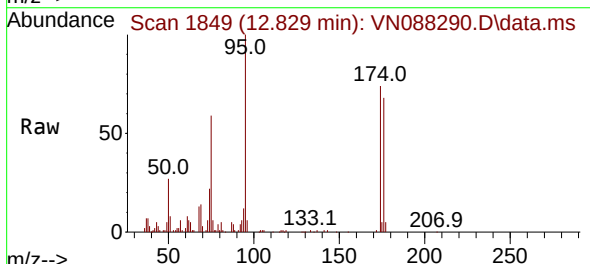
Manual Integrations
APPROVED

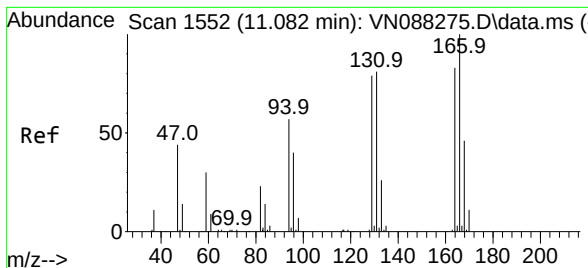
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#60
4-Bromofluorobenzene
Concen: 28.857 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

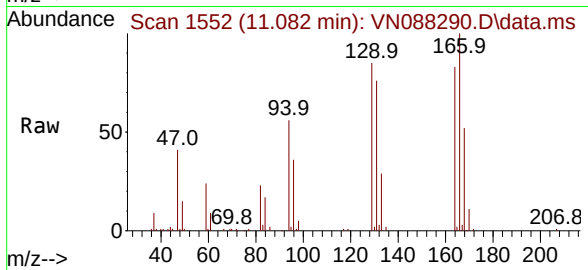
Tgt Ion: 95 Resp: 109280
Ion Ratio Lower Upper
95 100
174 68.3 54.5 81.7
176 65.7 53.8 80.6





#61
Tetrachloroethene
Concen: 20.489 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

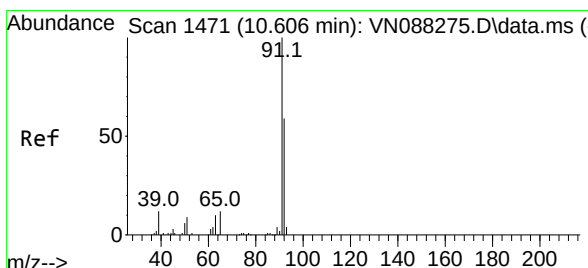
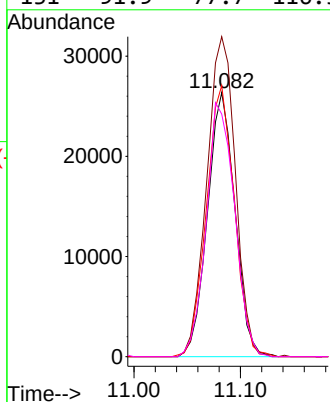
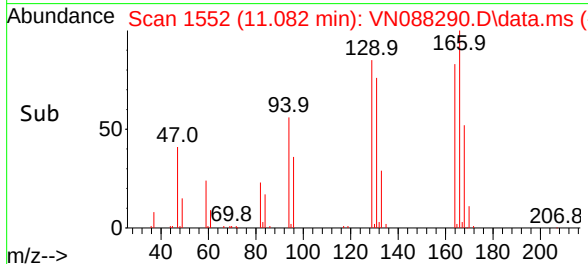
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



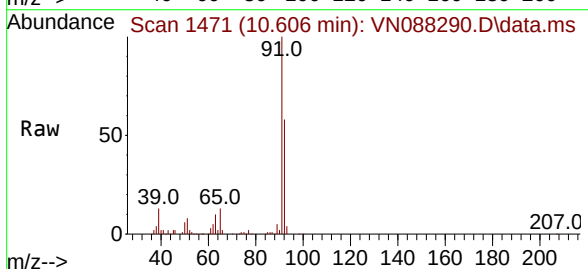
Tgt Ion:164 Resp: 4732
Ion Ratio Lower Upper
164 100
166 121.2 96.3 144.5
129 102.7 76.2 114.2
131 91.9 77.7 116.5

Manual Integrations
APPROVED

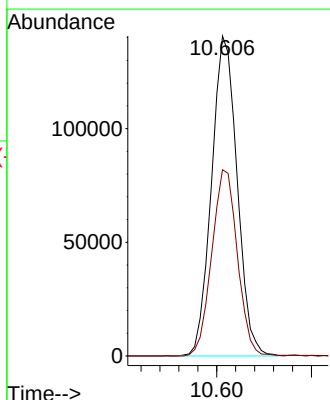
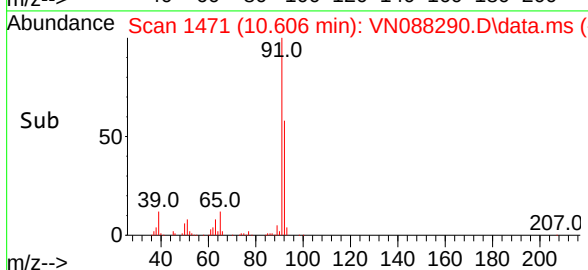
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025

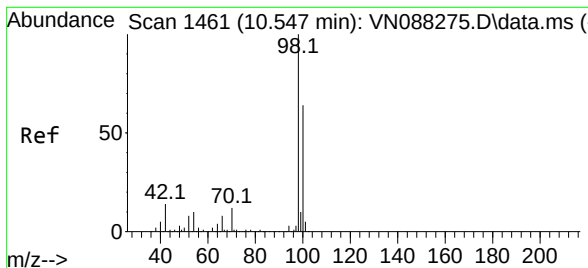


#62
Toluene
Concen: 20.540 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08



Tgt Ion: 91 Resp: 264058
Ion Ratio Lower Upper
91 100
92 58.2 46.7 70.1





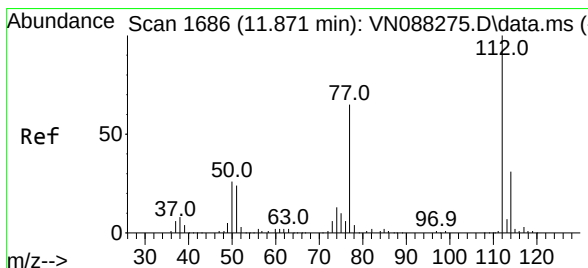
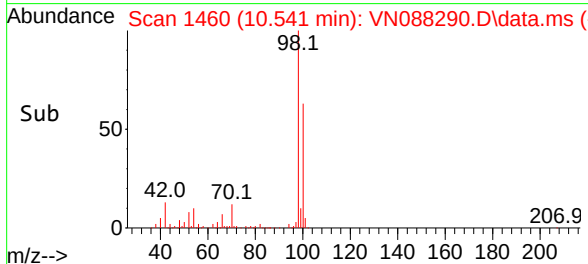
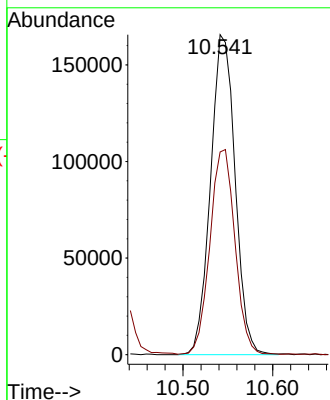
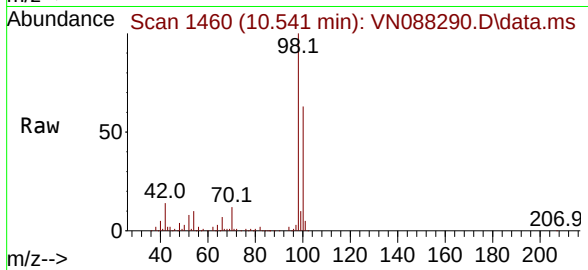
#63
Toluene-d8
Concen: 29.723 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 315244
Ion Ratio Lower Upper
98 100
100 65.4 51.6 77.4

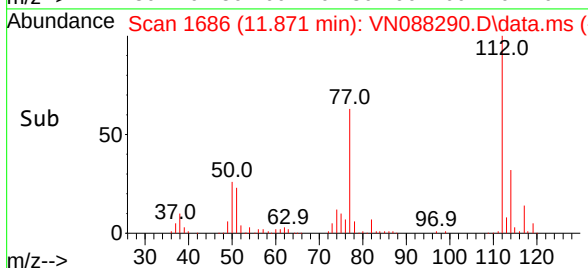
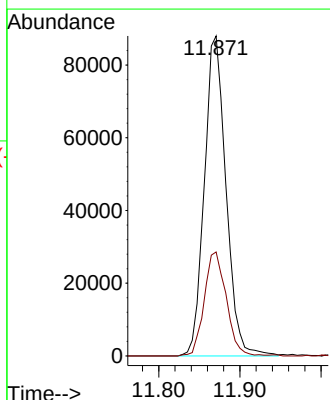
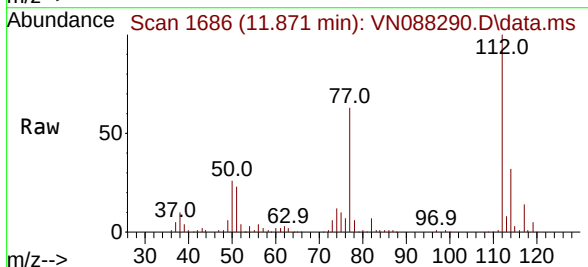
Manual Integrations
APPROVED

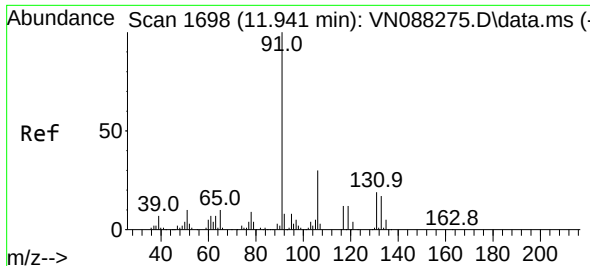
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#64
Chlorobenzene
Concen: 20.479 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Tgt Ion:112 Resp: 163051
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.4





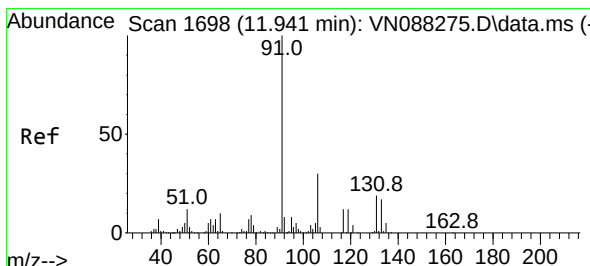
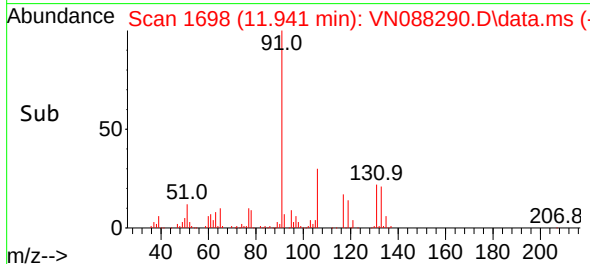
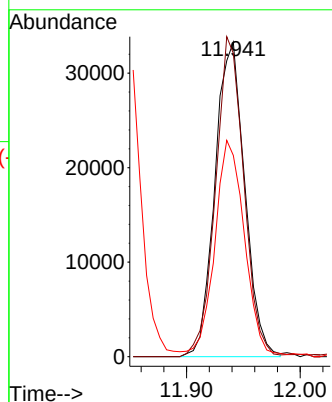
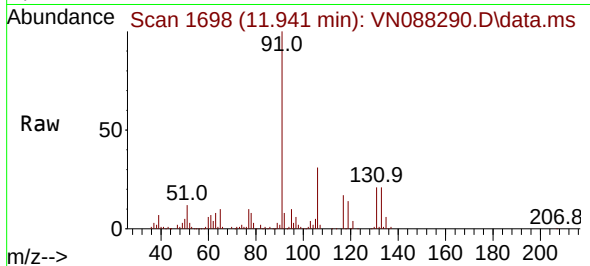
#65
1,1,1,2-Tetrachloroethane
Concen: 22.294 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 6075
Ion Ratio Lower Upper
131 100
133 96.3 0.0 181.4
119 67.1 0.0 135.0

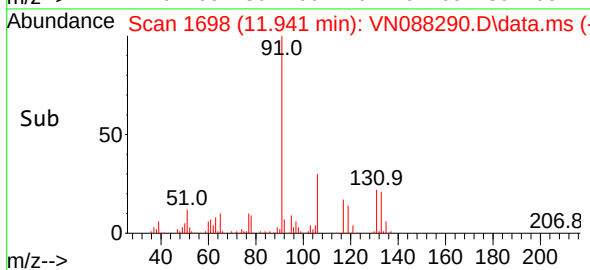
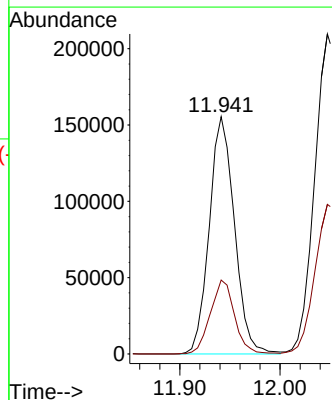
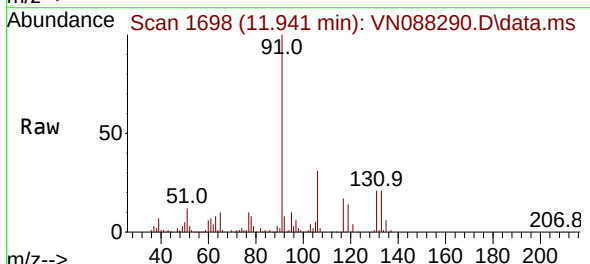
Manual Integrations
APPROVED

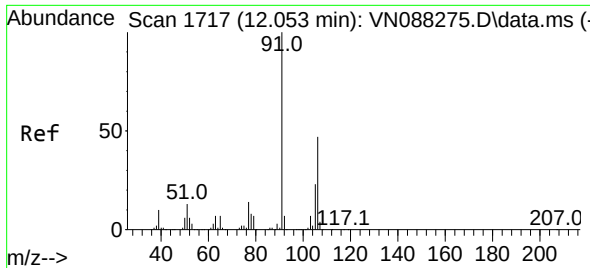
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#66
Ethyl Benzene
Concen: 19.187 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Tgt Ion: 91 Resp: 271847
Ion Ratio Lower Upper
91 100
106 31.0 24.4 36.6





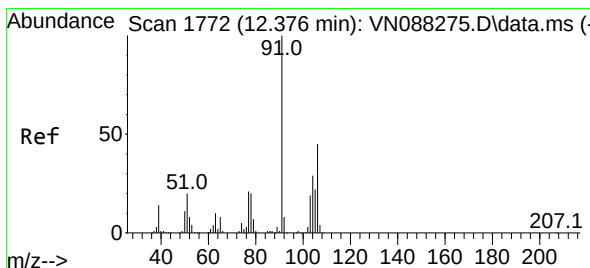
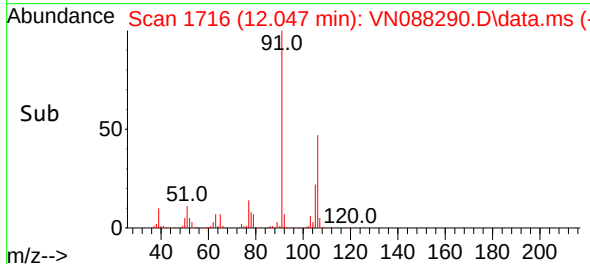
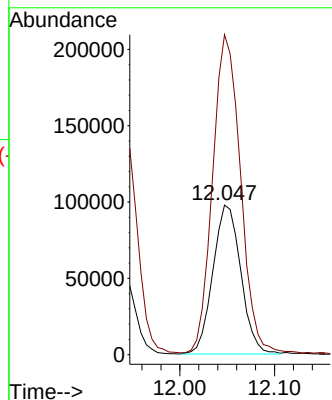
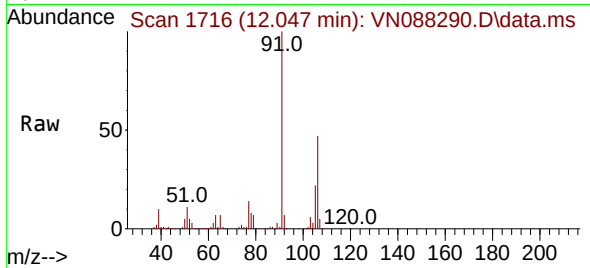
#67
m/p-Xylenes
Concen: 37.729 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 19990
Ion Ratio Lower Upper
106 100
91 215.9 168.3 252.5

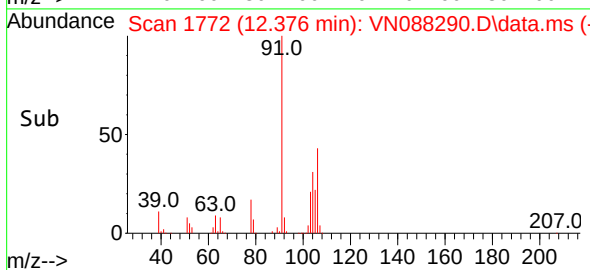
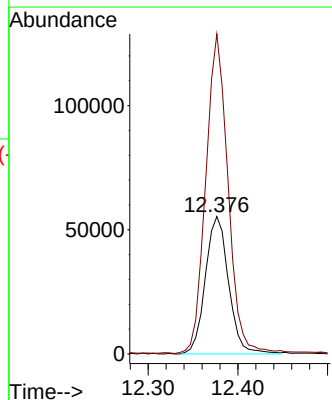
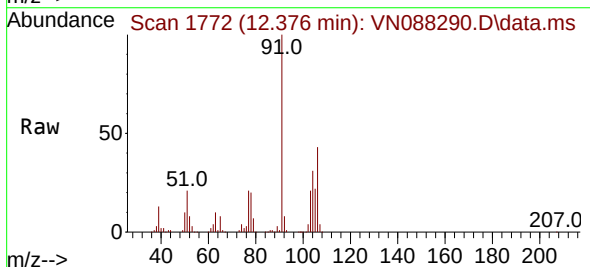
Manual Integrations
APPROVED

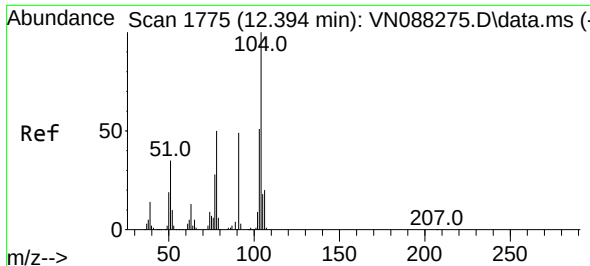
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#68
o-Xylene
Concen: 19.964 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

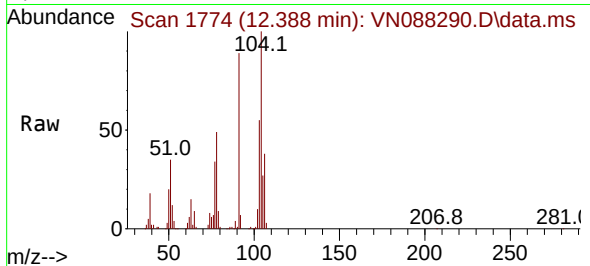
Tgt Ion:106 Resp: 99787
Ion Ratio Lower Upper
106 100
91 221.4 114.0 342.0





#69
Styrene
Concen: 19.289 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

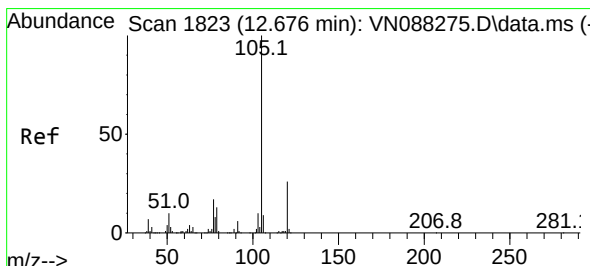
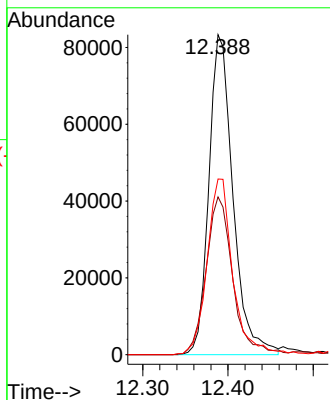
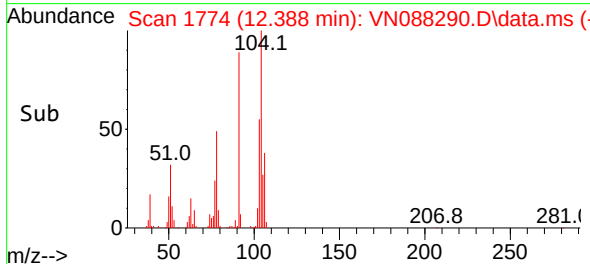
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



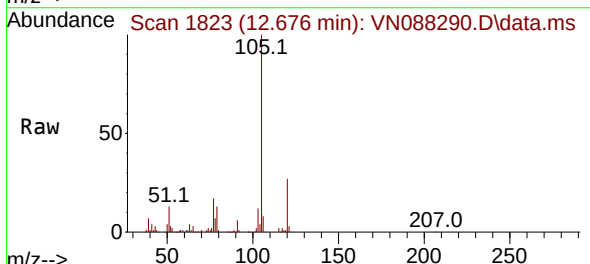
Tgt Ion:104 Resp: 163752
Ion Ratio Lower Upper
104 100
78 53.9 43.8 65.8
103 58.0 44.8 67.2

Manual Integrations
APPROVED

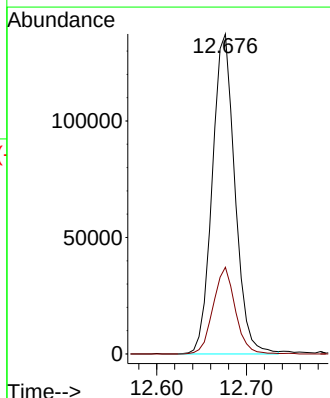
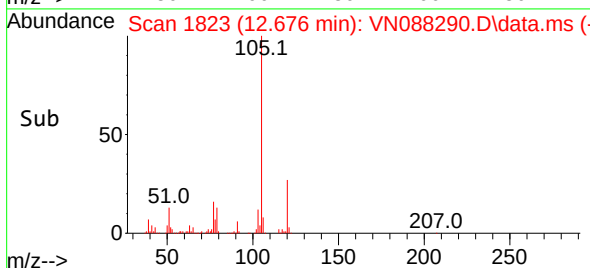
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025

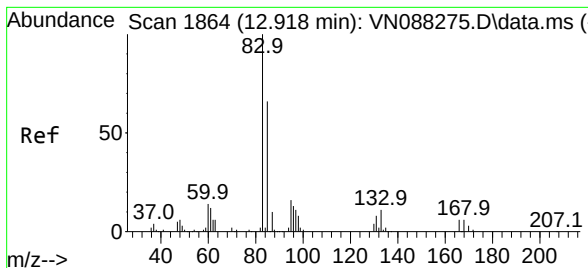


#70
Isopropylbenzene
Concen: 18.188 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08



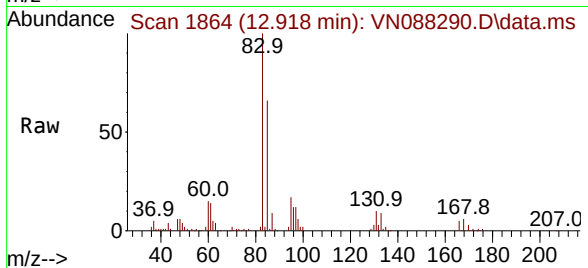
Tgt Ion:105 Resp: 240920
Ion Ratio Lower Upper
105 100
120 26.4 18.2 33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 26.459 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

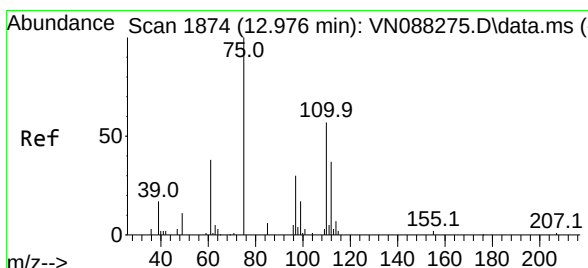
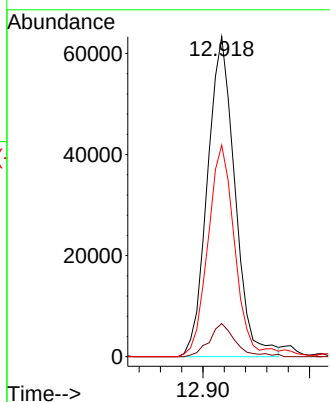
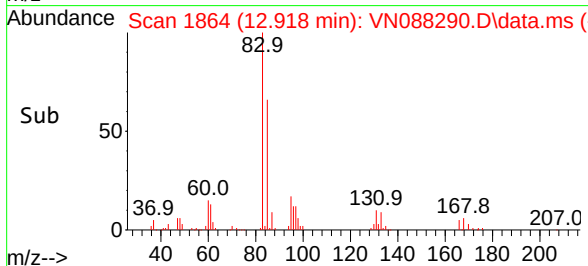
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



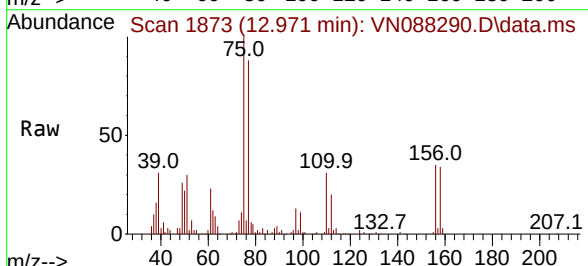
Tgt Ion: 83 Resp: 11353
Ion Ratio Lower Upper
83 100
131 9.5 4.3 12.9
85 63.3 32.4 97.2

Manual Integrations
APPROVED

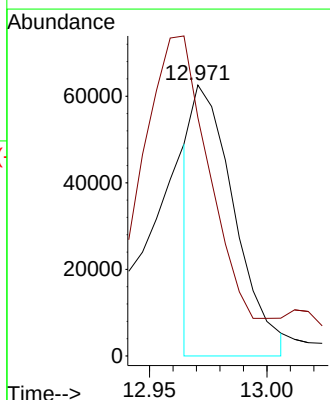
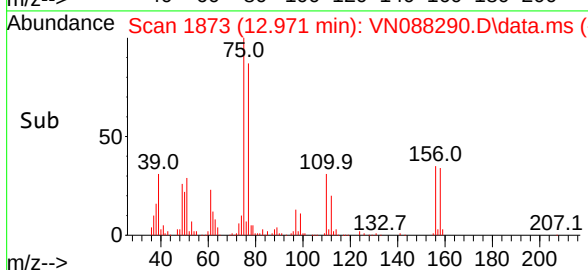
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025

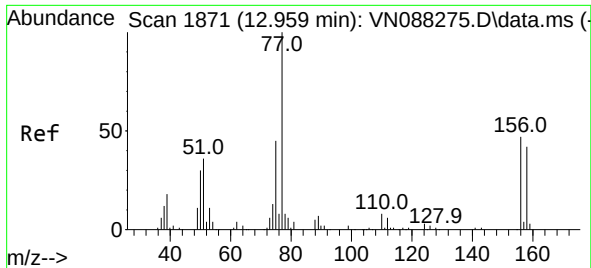


#72
1,2,3-Trichloropropane
Concen: 18.773 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08



Tgt Ion: 75 Resp: 78039
Ion Ratio Lower Upper
75 100
77 201.1 0.0 386.6





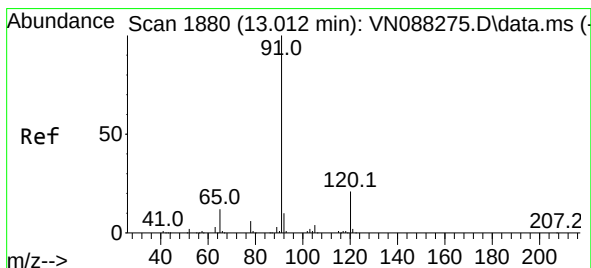
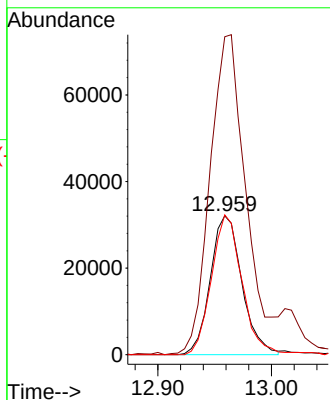
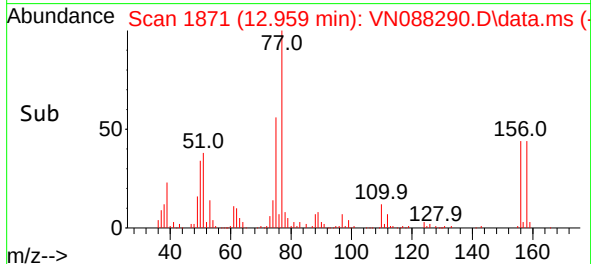
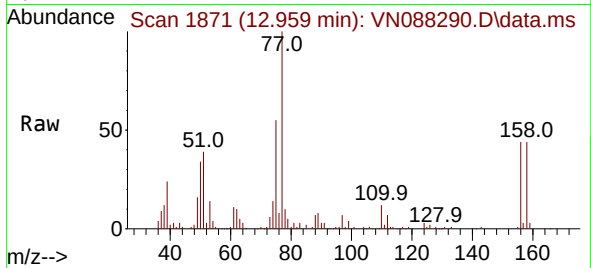
#73
Bromobenzene
Concen: 20.706 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:156 Resp: 61920
Ion Ratio Lower Upper
156 100
77 253.5 0.0 493.4
158 97.4 0.0 193.4

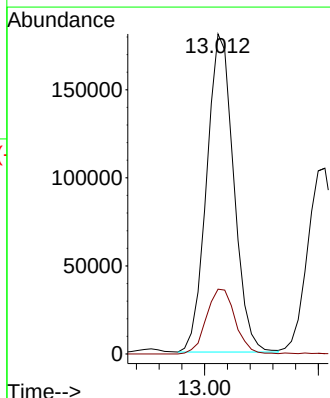
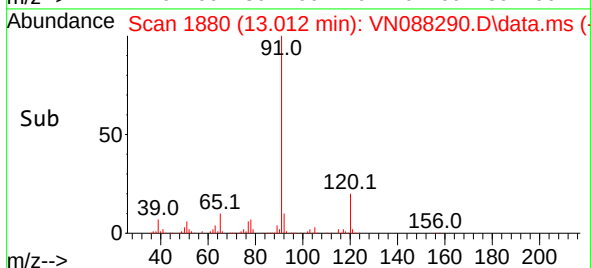
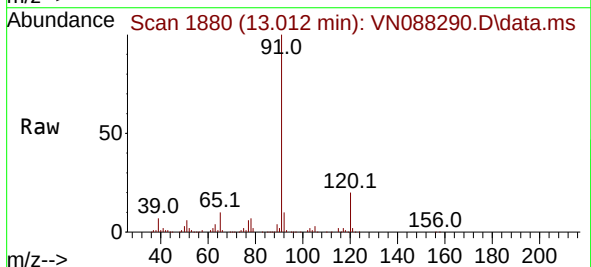
Manual Integrations
APPROVED

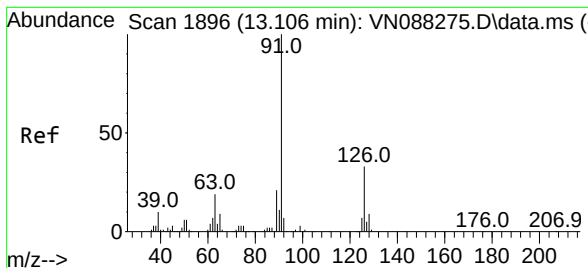
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#74
n-propylbenzene
Concen: 18.232 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Tgt Ion: 91 Resp: 298885
Ion Ratio Lower Upper
91 100
120 21.6 0.0 43.2





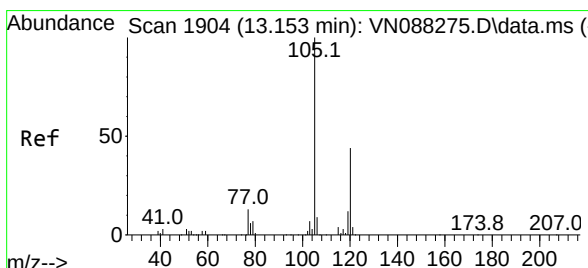
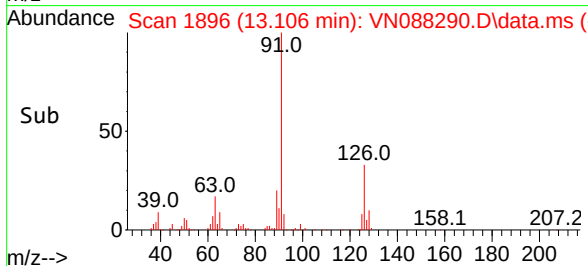
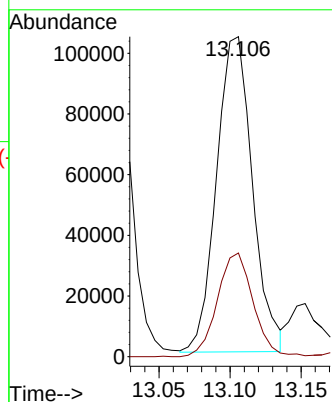
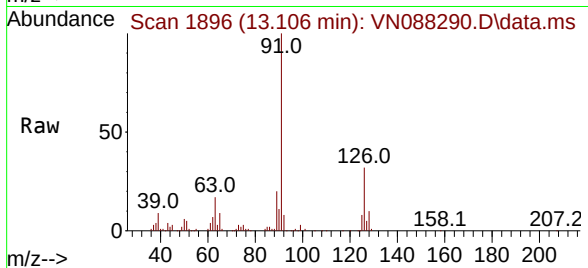
#75
2-Chlorotoluene
Concen: 18.365 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 183064
Ion Ratio Lower Upper
91 100
126 32.4 0.0 62.0

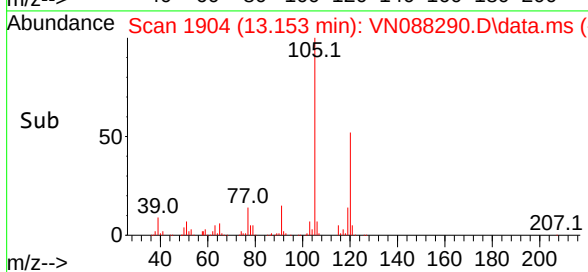
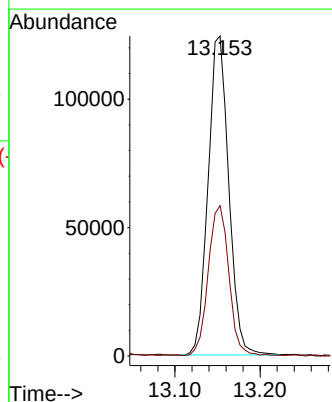
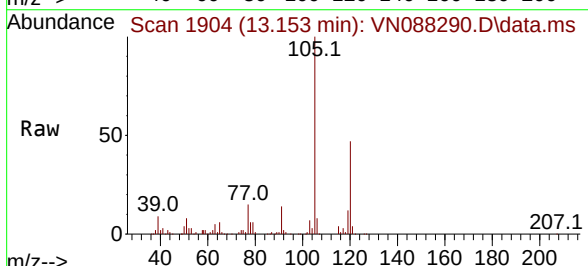
Manual Integrations
APPROVED

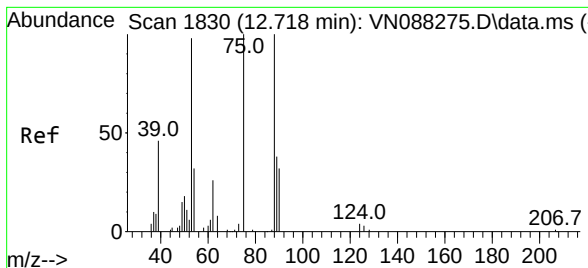
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#76
1,3,5-Trimethylbenzene
Concen: 18.868 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

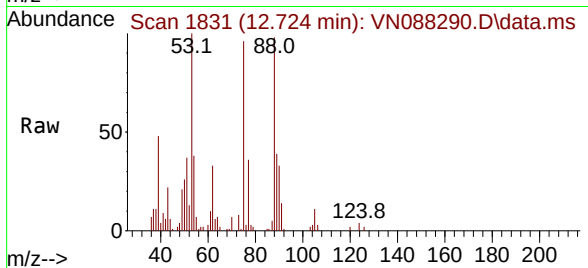
Tgt Ion:105 Resp: 209796
Ion Ratio Lower Upper
105 100
120 46.6 0.0 94.6





#77
t-1,4-Dichloro-2-butene
Concen: 23.485 ug/l
RT: 12.724 min Scan# 1831
Delta R.T. 0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

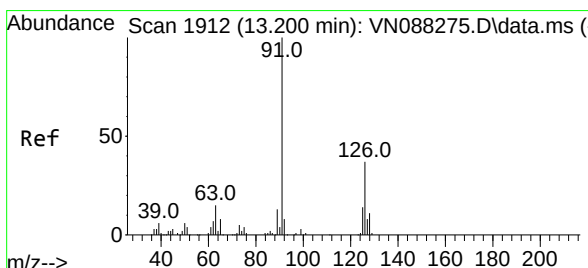
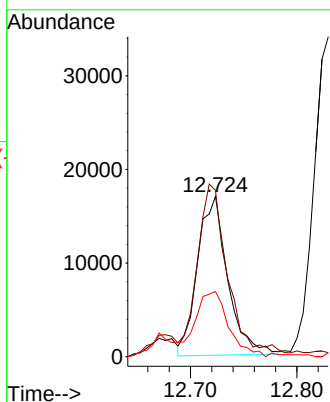
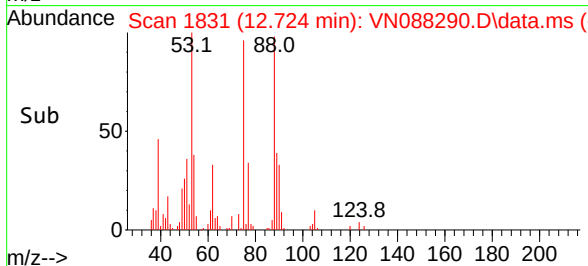
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 33520
Ion Ratio Lower Upper
75 100
53 102.9 50.0 150.0
89 40.8 22.3 66.9

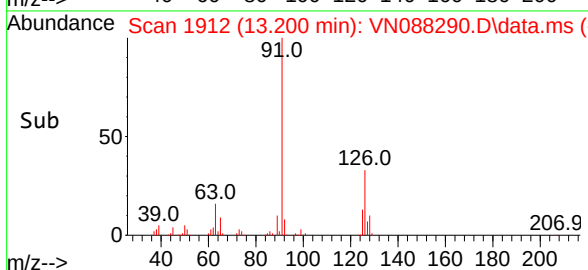
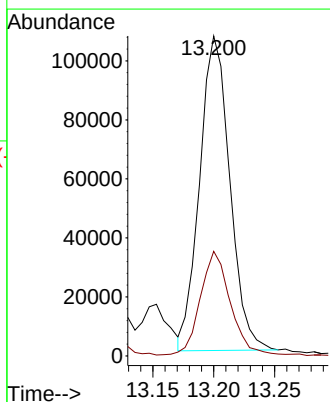
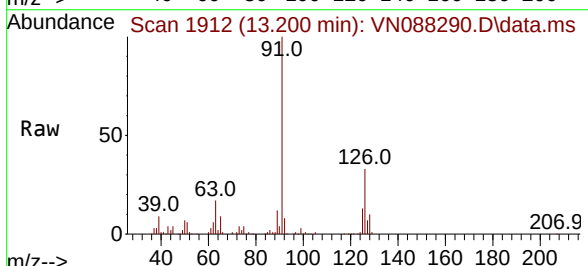
Manual Integrations
APPROVED

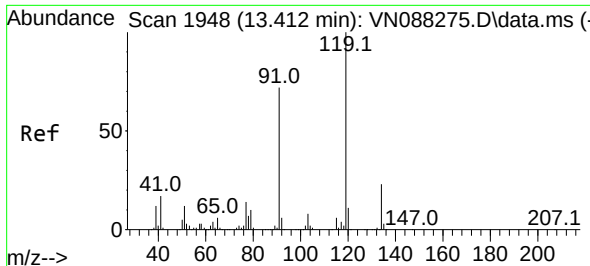
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#78
4-Chlorotoluene
Concen: 18.194 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

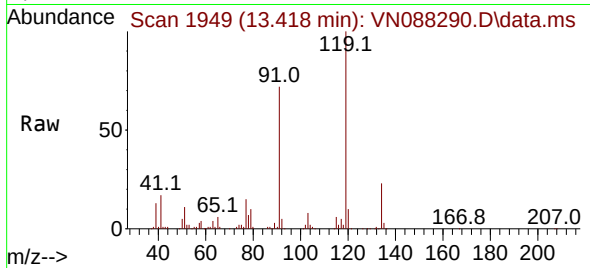
Tgt Ion: 91 Resp: 183786
Ion Ratio Lower Upper
91 100
126 33.6 0.0 60.8





#79
tert-butylbenzene
Concen: 18.122 ug/l
RT: 13.418 min Scan# 1948
Delta R.T. 0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

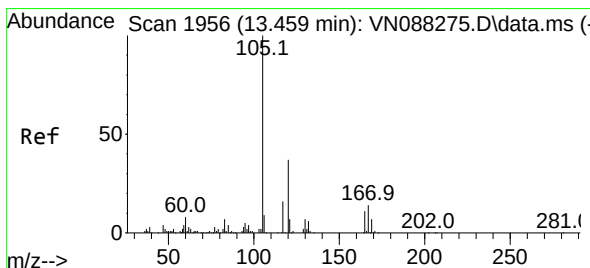
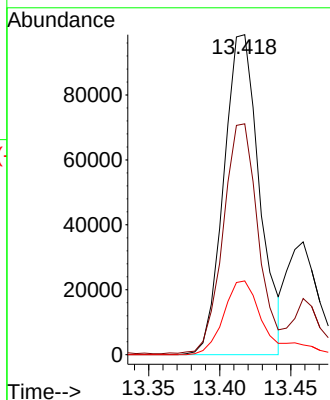
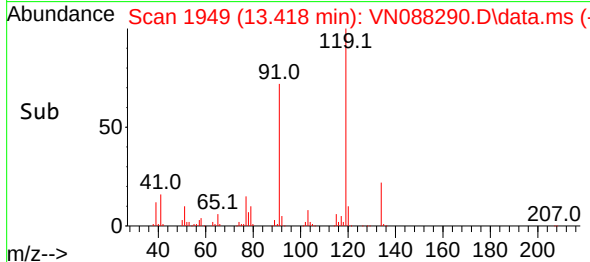
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



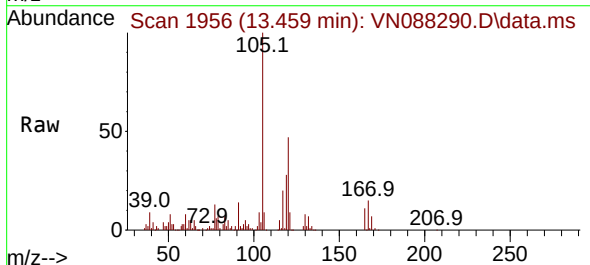
Tgt Ion:119 Resp: 17252
Ion Ratio Lower Upper
119 100
91 70.2 0.0 140.8
134 24.0 0.0 48.4

Manual Integrations
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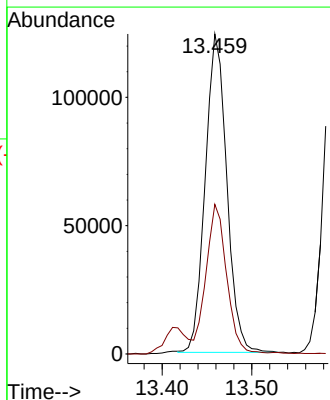
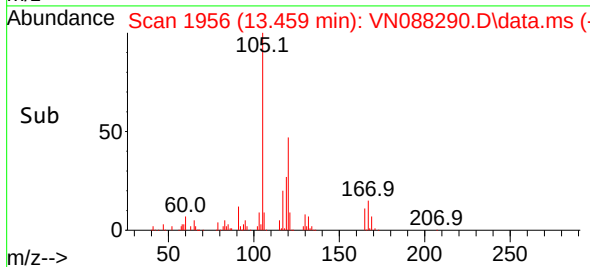
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025

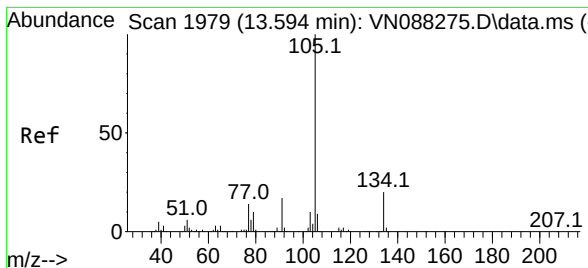


#80
1,2,4-Trimethylbenzene
Concen: 18.718 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08



Tgt Ion:105 Resp: 206962
Ion Ratio Lower Upper
105 100
120 44.2 0.0 89.2





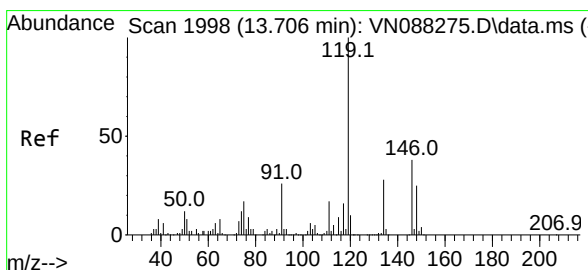
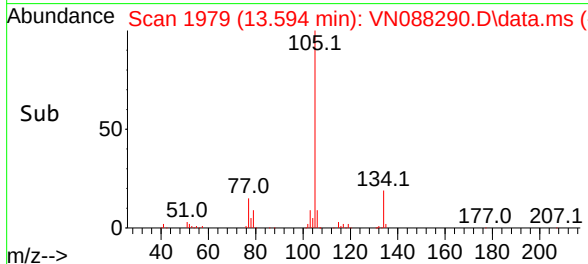
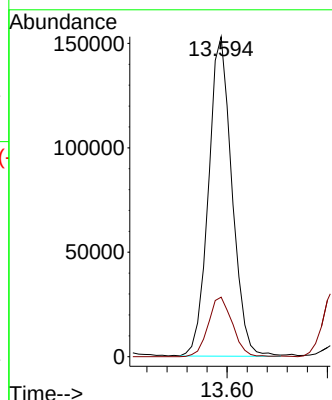
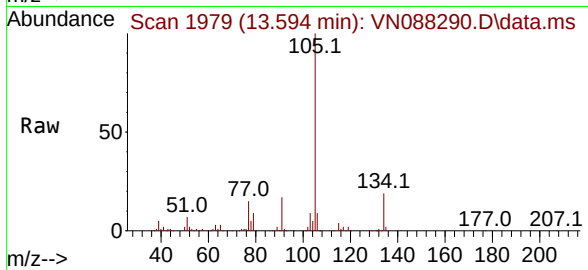
#81
 sec-Butylbenzene
 Concen: 17.917 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088290.D
 Acq: 14 Nov 2025 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:105 Resp: 24877
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 38.4

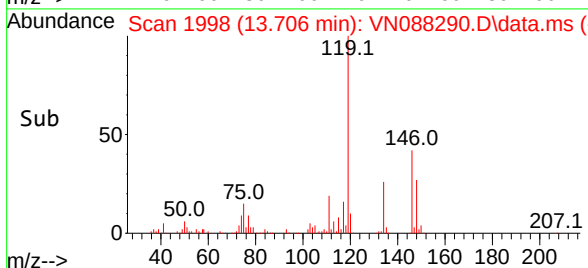
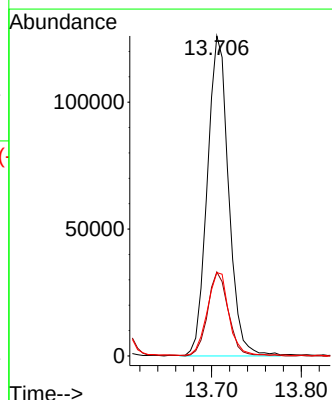
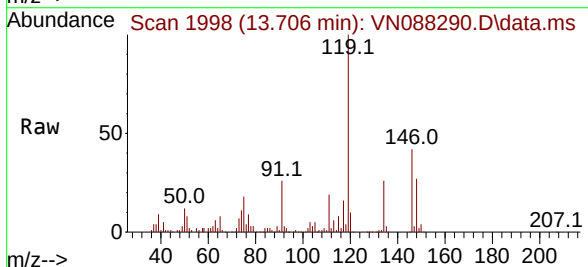
Manual Integrations
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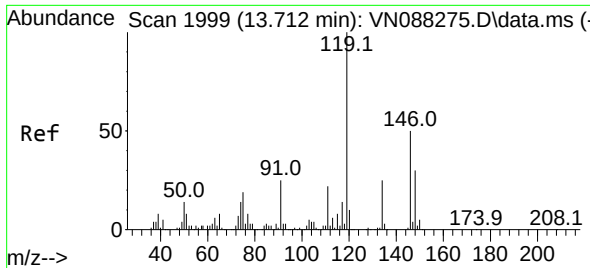
Reviewed By :John Carlone 11/17/2025
 Supervised By :Mahesh Dadoda 11/17/2025



#82
 p-Isopropyltoluene
 Concen: 18.113 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN088290.D
 Acq: 14 Nov 2025 15:08

Tgt Ion:119 Resp: 207814
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 51.2
 91 26.3 0.0 53.4





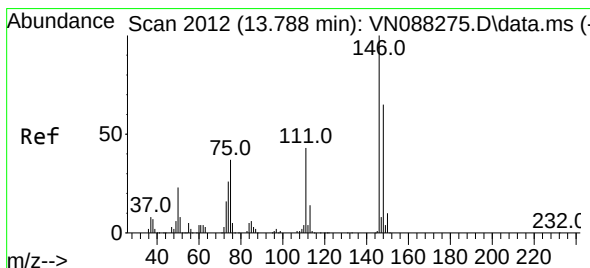
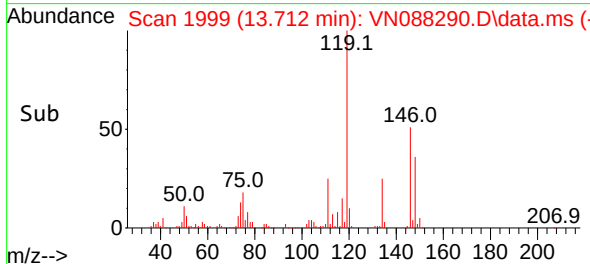
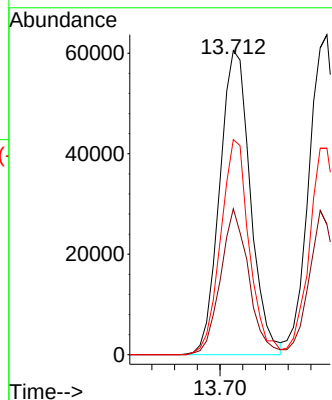
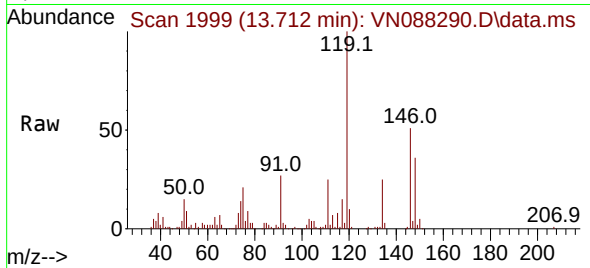
#83
1,3-Dichlorobenzene
Concen: 19.566 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:146 Resp: 11368
Ion Ratio Lower Upper
146 100
111 44.2 22.1 66.5
148 65.7 31.4 94.3

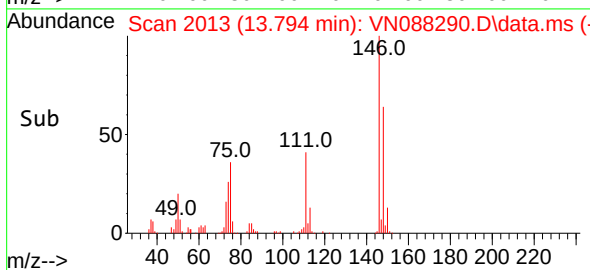
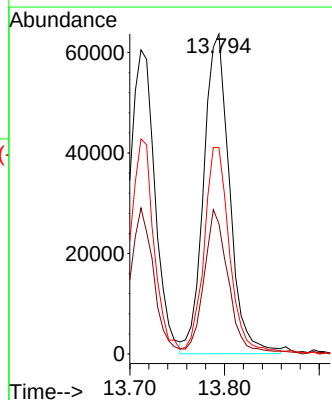
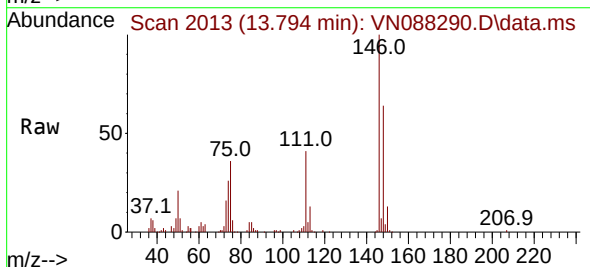
Manual Integrations
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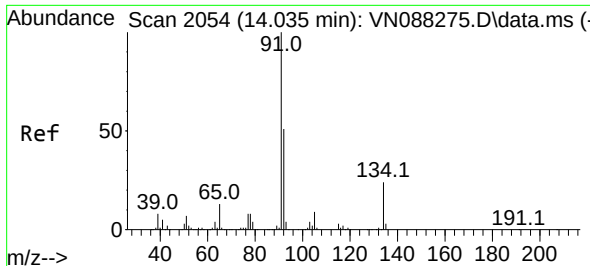
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#84
1,4-Dichlorobenzene
Concen: 20.564 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Tgt Ion:146 Resp: 121001
Ion Ratio Lower Upper
146 100
111 42.5 21.8 65.3
148 64.0 31.9 95.5





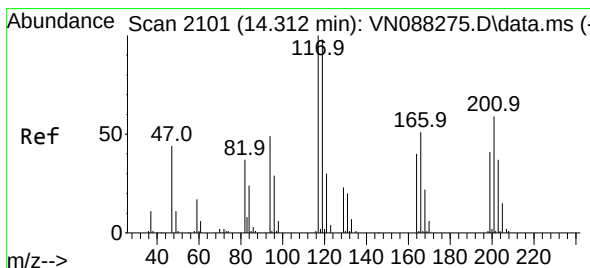
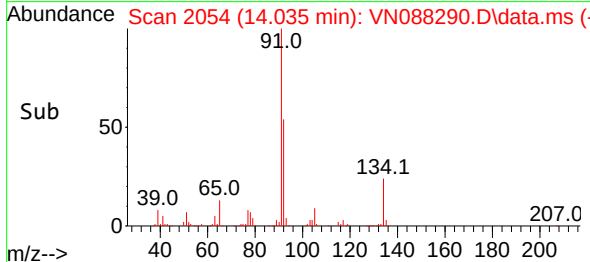
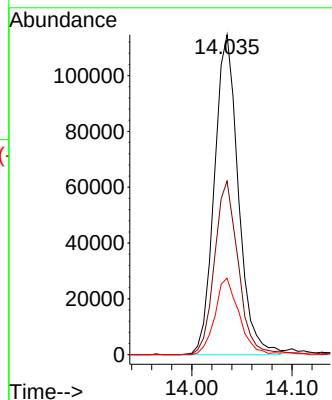
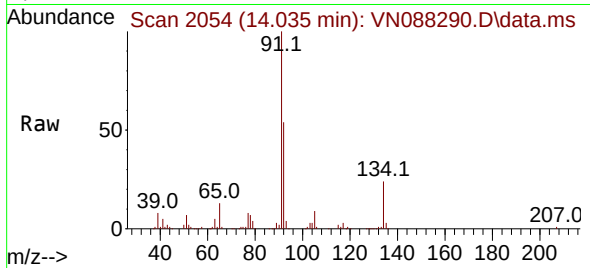
#85
n-Butylbenzene
Concen: 17.424 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 19052
Ion Ratio Lower Upper
91 100
92 53.9 0.0 102.4
134 23.9 0.0 45.8

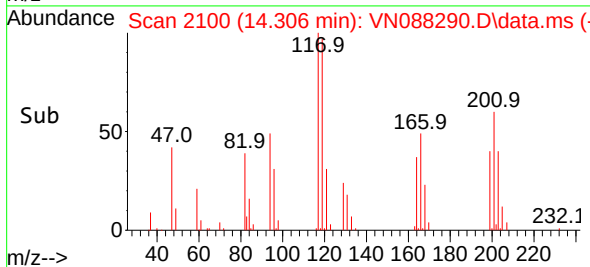
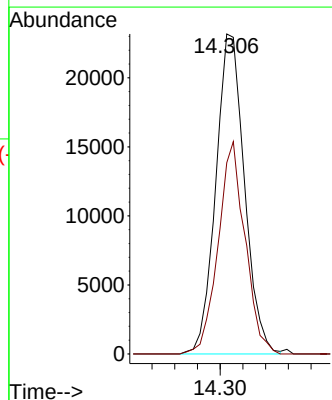
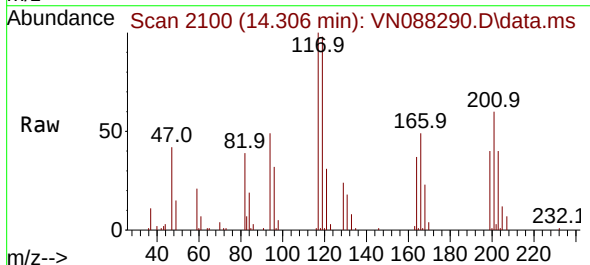
Manual Integrations
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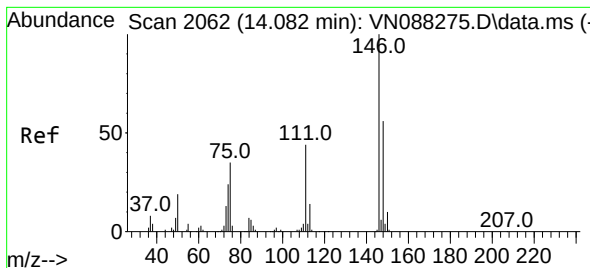
Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#86
Hexachloroethane
Concen: 18.503 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

Tgt Ion:117 Resp: 40648
Ion Ratio Lower Upper
117 100
201 62.2 30.6 92.0





#87

1,2-Dichlorobenzene

Concen: 21.071 ug/l

RT: 14.082 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

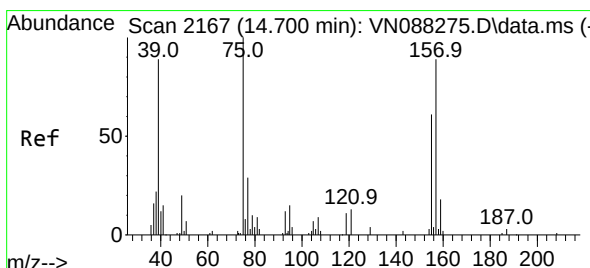
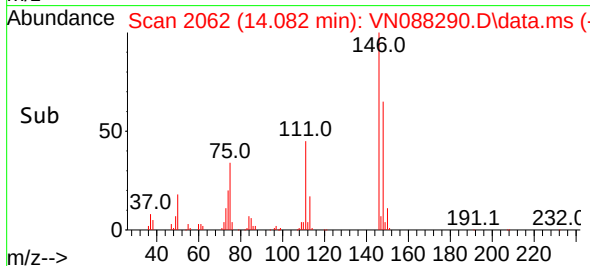
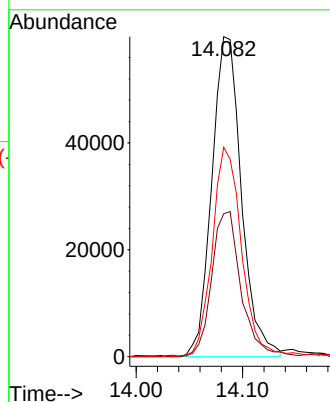
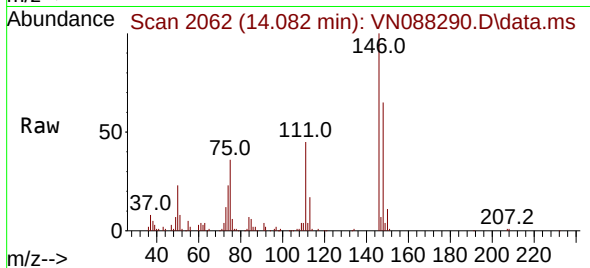
Tgt Ion:	146	Resp:	11555
Ion Ratio	Lower	Upper	
146	100		
111	44.9	23.0	69.0
148	64.5	31.1	93.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2025

Supervised By :Mahesh Dadoda 11/17/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 24.417 ug/l

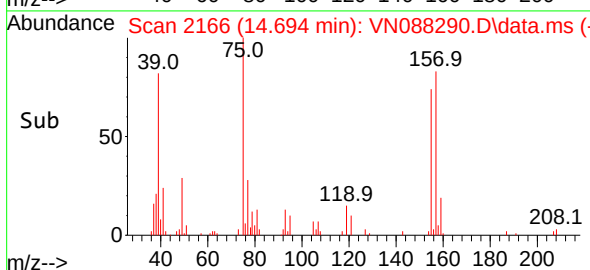
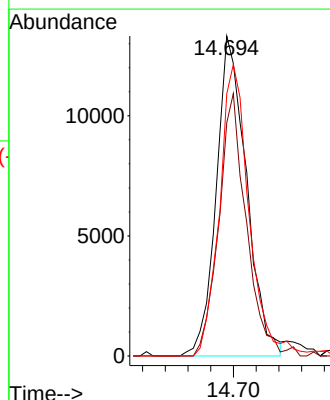
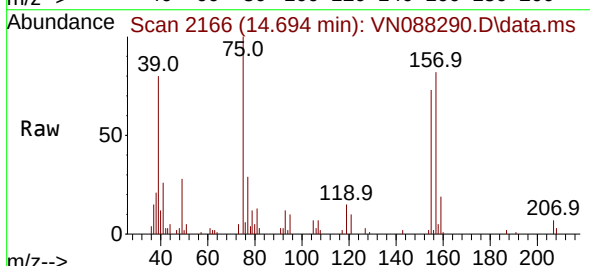
RT: 14.694 min Scan# 2166

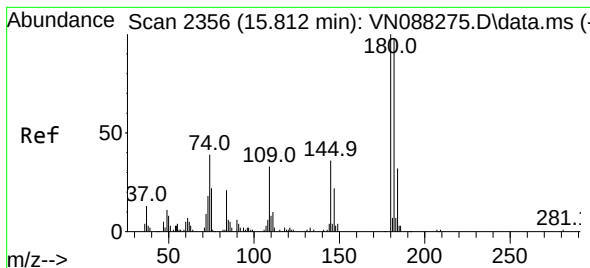
Delta R.T. -0.006 min

Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

Tgt Ion:	75	Resp:	24626
Ion Ratio	Lower	Upper	
75	100		
155	74.0	54.8	82.2
157	87.4	70.7	106.1





#89

1,2,4-Trichlorobenzene

Concen: 20.601 ug/l

RT: 15.817 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:180 Resp: 6340

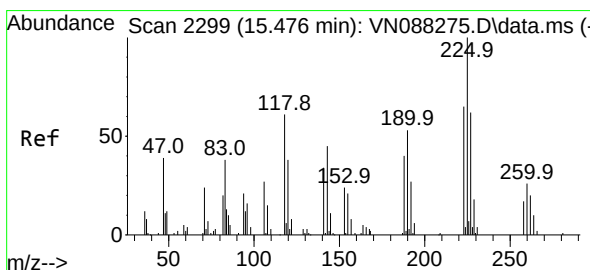
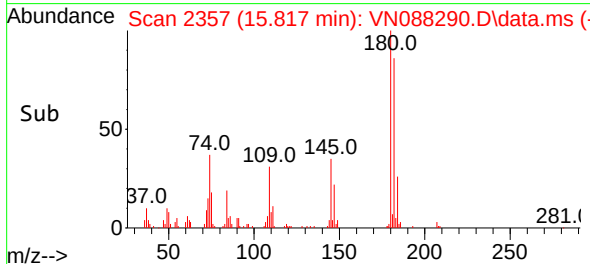
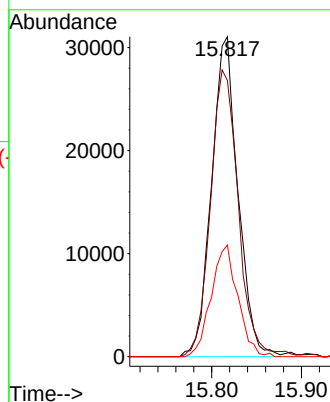
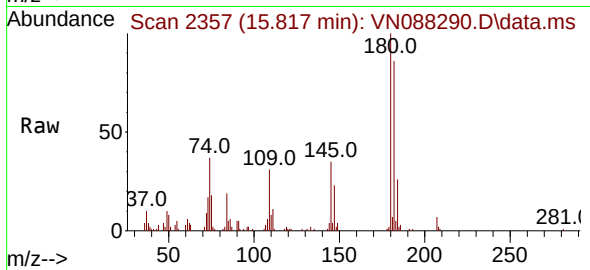
Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.3	115.9
145	35.1	30.2	45.4

Manual Integrations

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Reviewed By :John Carlone 11/17/2025

Supervised By :Mahesh Dadoda 11/17/2025



#90

Hexachlorobutadiene

Concen: 18.736 ug/l

RT: 15.470 min Scan# 2298

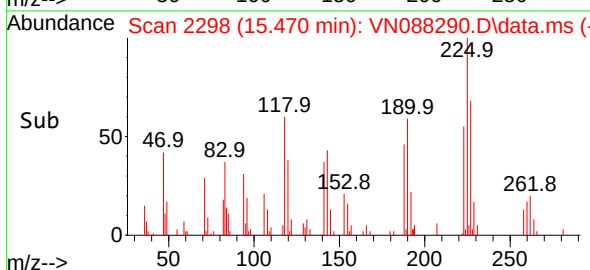
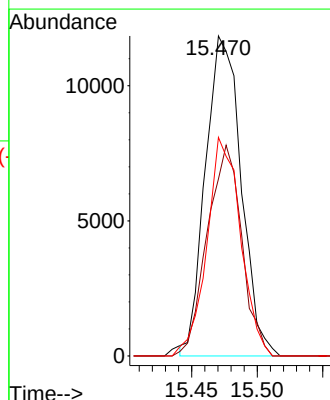
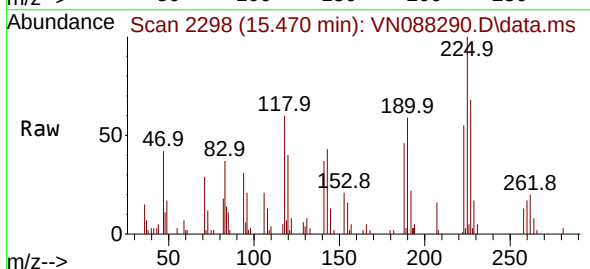
Delta R.T. -0.006 min

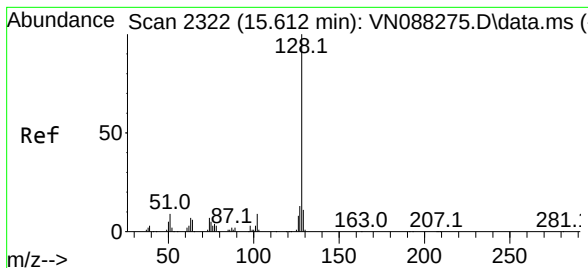
Lab File: VN088290.D

Acq: 14 Nov 2025 15:08

Tgt Ion:225 Resp: 22393

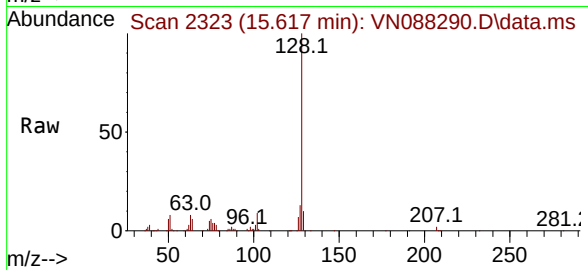
Ion	Ratio	Lower	Upper
225	100		
223	63.6	0.0	132.0
227	64.3	0.0	132.6





#91
Naphthalene
Concen: 21.554 ug/l
RT: 15.617 min Scan# 2322
Delta R.T. 0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08

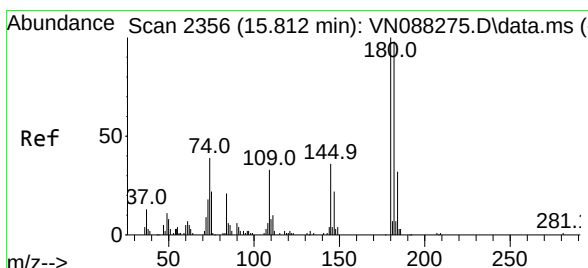
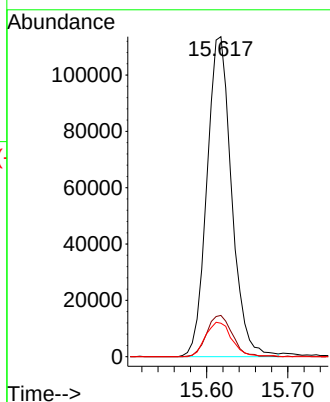
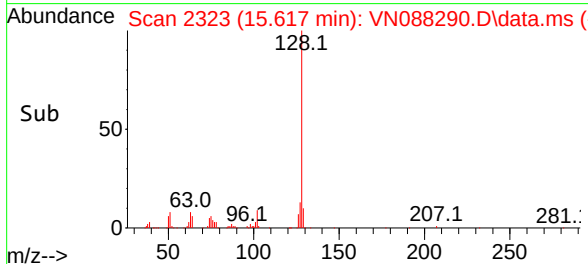
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



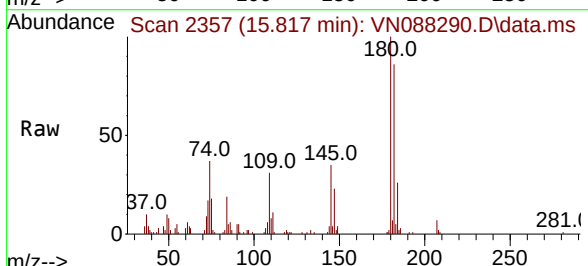
Tgt Ion:128 Resp: 240010
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.4 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/17/2025
Supervised By :Mahesh Dadoda 11/17/2025



#92
1,2,3-Trichlorobenzene
Concen: 20.601 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. 0.006 min
Lab File: VN088290.D
Acq: 14 Nov 2025 15:08



Tgt Ion:180 Resp: 63401
Ion Ratio Lower Upper
180 100
182 93.8 0.0 193.2
145 35.1 0.0 75.6

