

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087578.D
 Acq On : 15 Aug 2025 13:52
 Operator : JC\MD
 Sample : Q2821-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 05:42:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	231141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	503313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	463732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	224252	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	216455	55.190	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.380%
35) Dibromofluoromethane	8.147	113	157647	45.407	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.820%
50) Toluene-d8	10.547	98	585938	47.312	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.620%
62) 4-Bromofluorobenzene	12.829	95	210063	45.911	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.820%

Target Compounds				Qvalue		
5) Bromomethane	2.989	94	419	0.264	ug/l #	31
10) Methyl Iodide	4.571	142	138	5.682	ug/l #	40
11) Tert butyl alcohol	5.518	59	3603	4.838	ug/l #	72
13) Acrolein	4.177	56	5732	9.591	ug/l #	61
15) Acrylonitrile	5.712	53	625	0.309	ug/l #	60
16) Acetone	4.430	43	45789	24.900	ug/l	99
17) Carbon Disulfide	4.694	76	7174	0.917	ug/l #	93
18) Methyl Acetate	4.777	43	1201	0.260	ug/l #	54
20) Methylene Chloride	5.247	84	992	Below Cal	#	81
21) trans-1,2-Dichloroethene	5.771	96	923	0.310	ug/l #	40
23) Vinyl Acetate	6.594	43	2091	0.239	ug/l #	74
25) 2-Butanone	7.477	43	17443	6.139	ug/l	93
26) 2,2-Dichloropropane	7.424	77	1926	0.429	ug/l #	54
29) Tetrahydrofuran	7.824	42	597	0.323	ug/l #	43
31) Cyclohexane	8.206	56	13972	2.898	ug/l #	66
36) 1,1-Dichloropropene	8.206	75	23823	5.194	ug/l #	50
37) Ethyl Acetate	7.477	43	17443	2.633	ug/l #	70
38) Carbon Tetrachloride	8.212	117	27285	5.400	ug/l #	17
39) Methylcyclohexane	9.582	83	33693	6.785	ug/l	88
40) Benzene	8.588	78	40025	2.700	ug/l	95
41) Methacrylonitrile	7.794	41	909	0.262	ug/l #	48
43) Isopropyl Acetate	8.671	43	8704	0.846	ug/l #	56
47) Bromodichloromethane	9.853	83	1536	0.270	ug/l #	25
48) Methyl methacrylate	9.718	41	2237	0.483	ug/l #	15
49) 1,4-Dioxane	9.682	88	65	0.917	ug/l #	1
51) 4-Methyl-2-Pentanone	10.429	43	4139	0.636	ug/l	88
52) Toluene	10.612	92	73921	8.204	ug/l	92
55) 1,1,2-Trichloroethane	10.988	97	7067	1.937	ug/l #	19
56) Ethyl methacrylate	10.894	69	932	0.790	ug/l #	1
67) Ethyl Benzene	11.941	91	22230	1.297	ug/l	97
68) m/p-Xylenes	12.053	106	178662	27.838	ug/l	91
69) o-Xylene	12.376	106	15542	2.535	ug/l	99
73) Isopropylbenzene	12.676	105	15441	1.094	ug/l	94
76) 1,2,3-Trichloropropane	12.829	75	123202	24.500	ug/l #	1
78) n-propylbenzene	13.018	91	41400	2.331	ug/l	96
79) 2-Chlorotoluene	13.112	91	27231	2.495	ug/l #	45

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

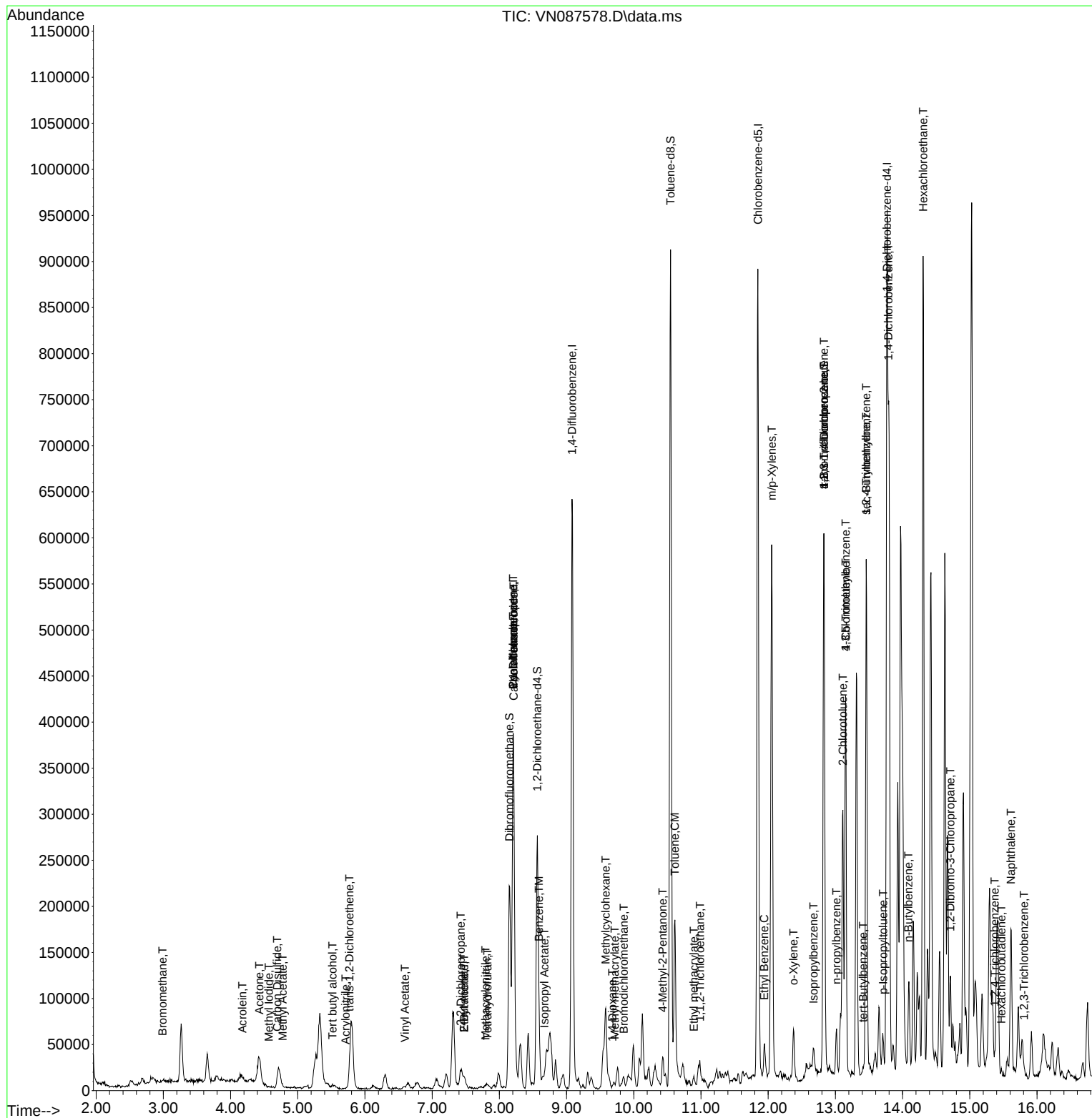
80) 1,3,5-Trimethylbenzene	13.153	105	219510	18.254	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.829	75	123202	67.036	ug/l #	8
82) 4-Chlorotoluene	13.153	91	24934	2.194	ug/l #	42
83) tert-Butylbenzene	13.412	119	3789	0.377	ug/l	88
84) 1,2,4-Trimethylbenzene	13.459	105	305334	24.863	ug/l	98
85) sec-Butylbenzene	13.459	105	305334	20.183	ug/l #	57
86) p-Isopropyltoluene	13.712	119	17174	1.417	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	2238	0.292	ug/l #	26
89) n-Butylbenzene	14.088	91	11724	1.013	ug/l #	4
90) Hexachloroethane	14.306	117	45133	17.570	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.711	75	637	0.457	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.370	180	2075	0.519	ug/l #	70
94) Hexachlorobutadiene	15.470	225	793	0.534	ug/l #	61
95) Naphthalene	15.611	128	141055	9.960	ug/l	98
96) 1,2,3-Trichlorobenzene	15.806	180	1944	0.485	ug/l #	78

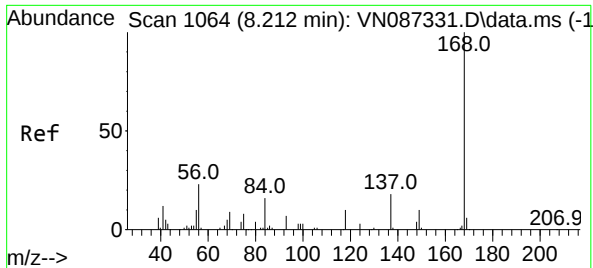
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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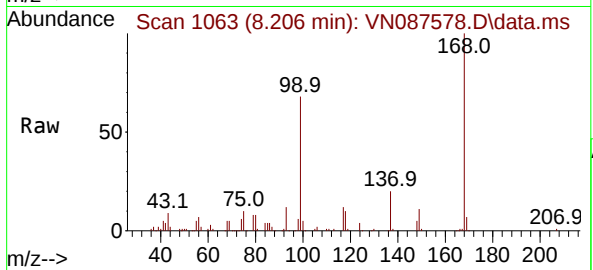
Quant Time: Aug 18 05:42:58 2025
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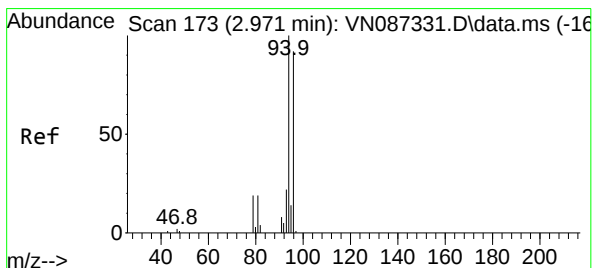
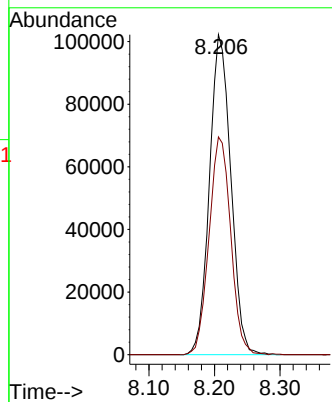
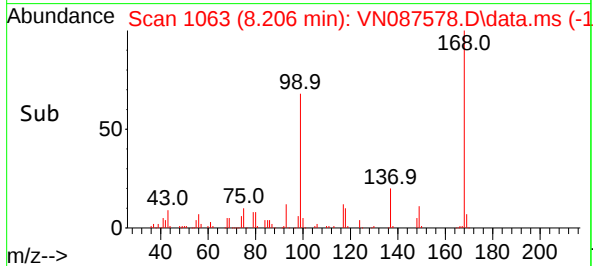


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :

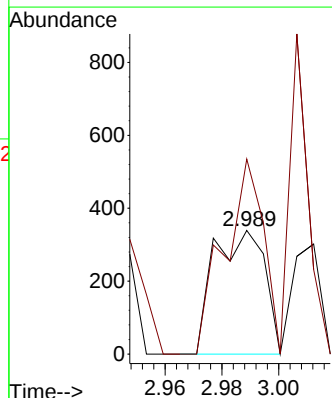
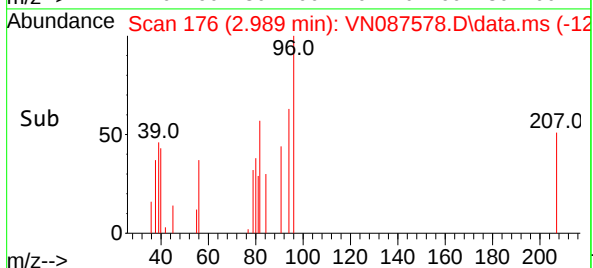
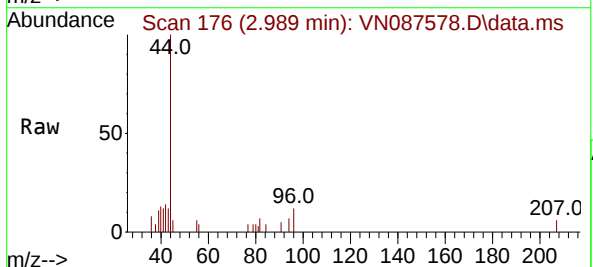


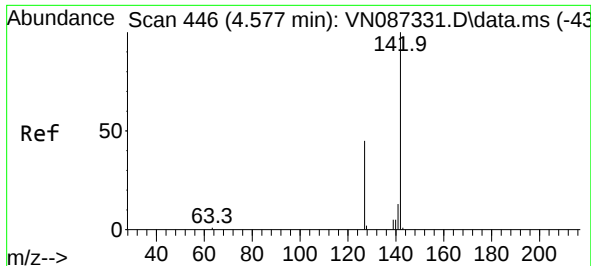
Tgt Ion:168 Resp: 231141
Ion Ratio Lower Upper
168 100
99 68.1 47.9 71.9



#5
Bromomethane
Concen: 0.264 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

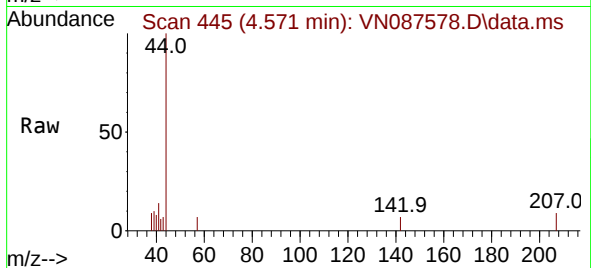
Tgt Ion: 94 Resp: 419
Ion Ratio Lower Upper
94 100
96 157.8 73.4 110.2#



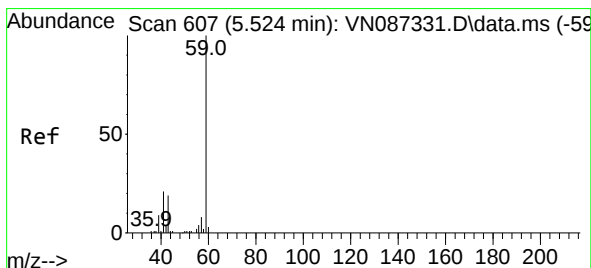
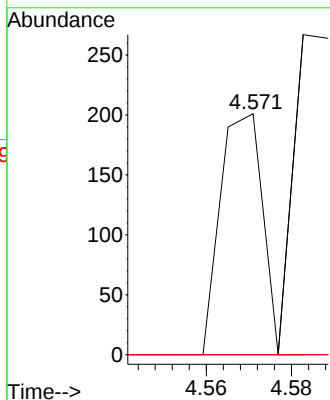
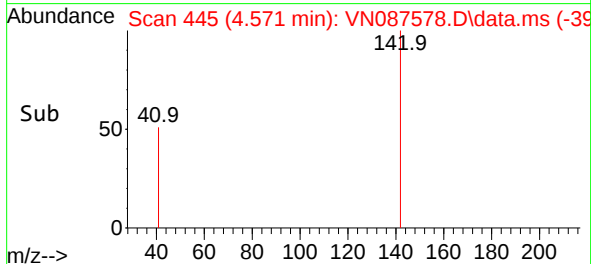


#10
Methyl Iodide
Concen: 5.682 ug/l
RT: 4.571 min Scan# 446
Delta R.T. -0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Instrument :
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ClientSampleId :

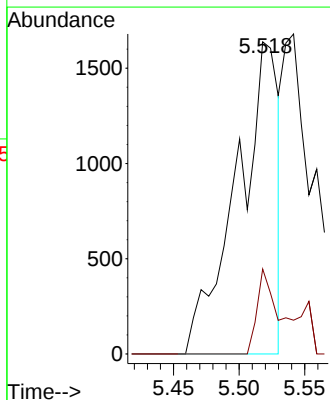
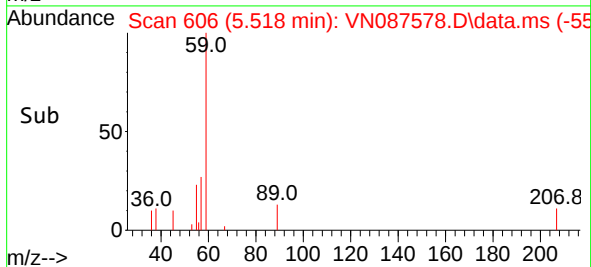
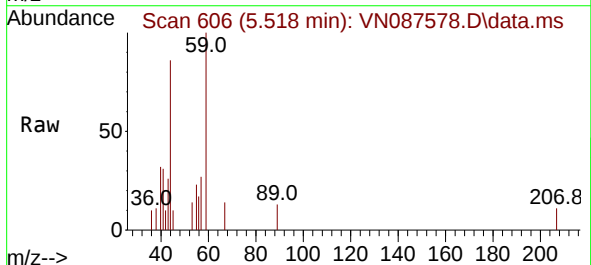


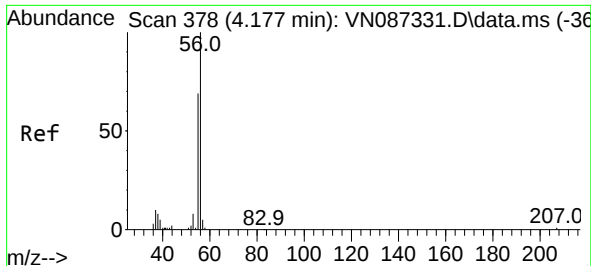
Tgt Ion:142 Resp: 138
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#



#11
Tert butyl alcohol
Concen: 4.838 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion: 59 Resp: 3603
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 9.591 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

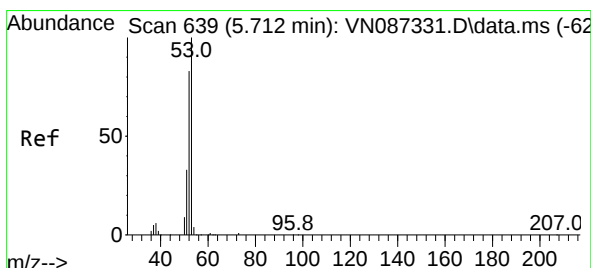
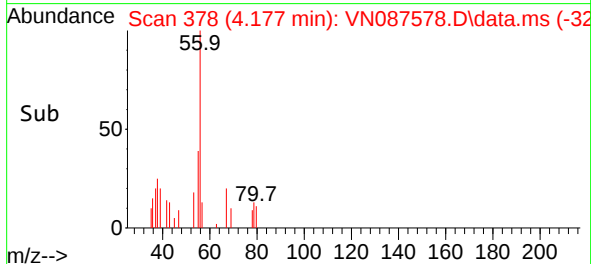
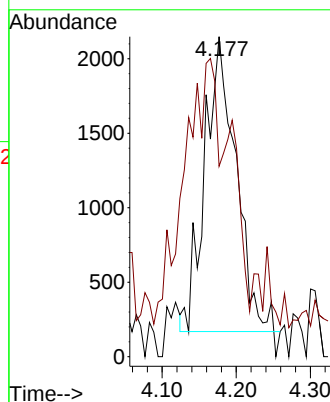
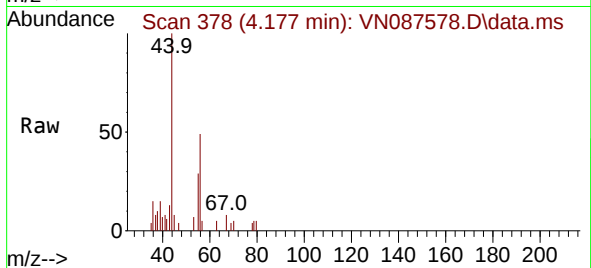
ClientSampleId :

Tgt Ion: 56 Resp: 5732

Ion Ratio Lower Upper

56 100

55 102.1 56.2 84.4#



#15

Acrylonitrile

Concen: 0.309 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

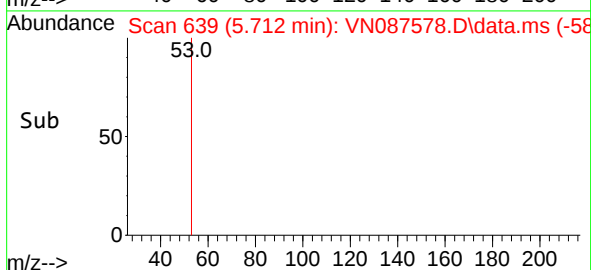
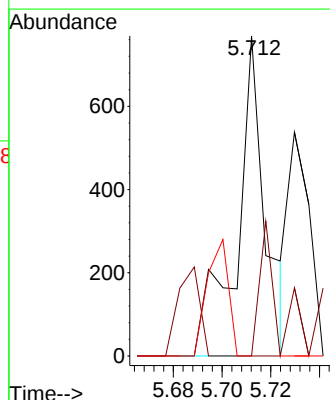
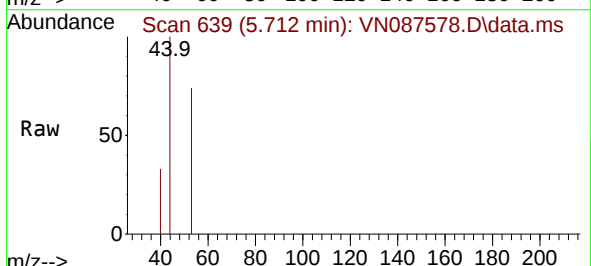
Tgt Ion: 53 Resp: 625

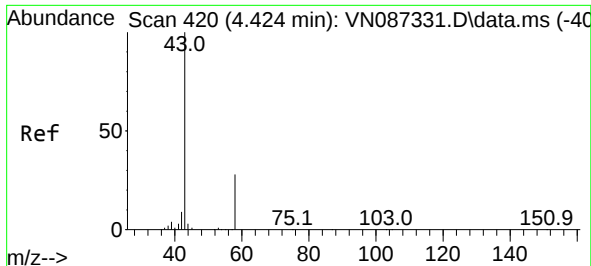
Ion Ratio Lower Upper

53 100

52 36.8 65.5 98.3#

51 27.0 28.7 43.1#

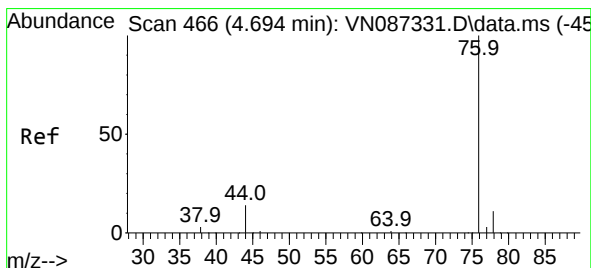
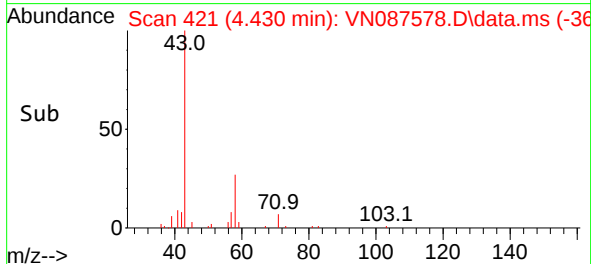
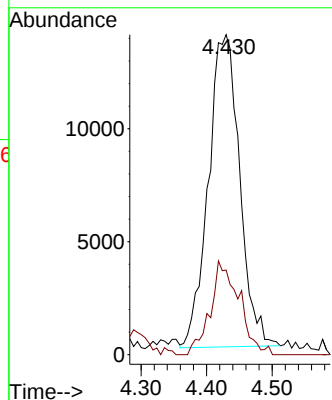
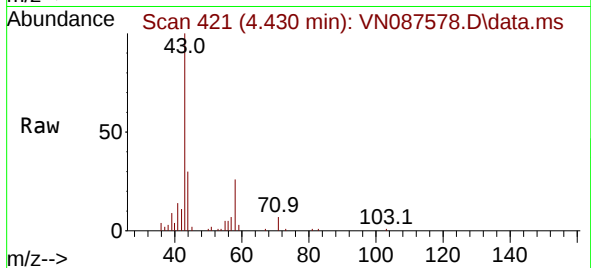




#16
Acetone
Concen: 24.900 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

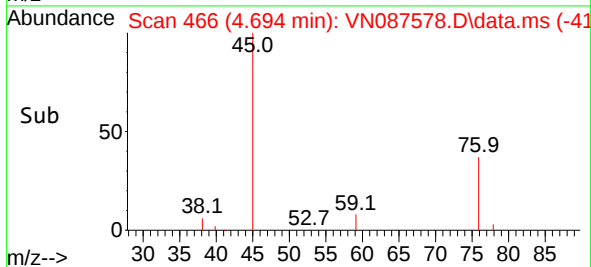
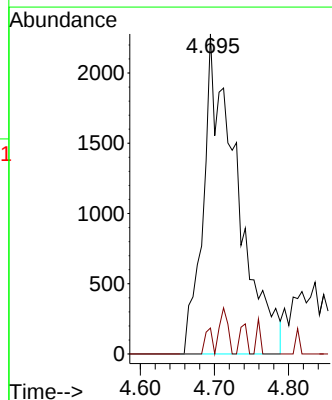
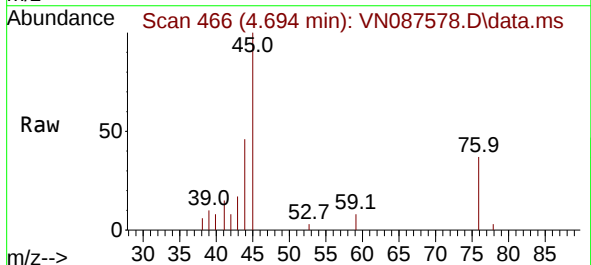
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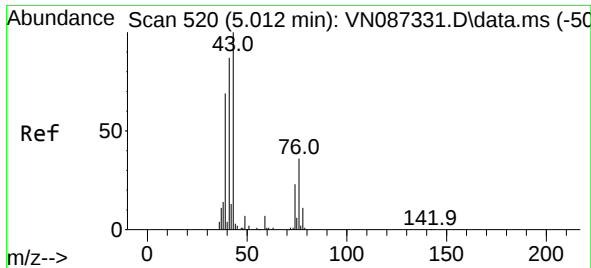
Tgt Ion: 43 Resp: 45789
Ion Ratio Lower Upper
43 100
58 27.2 22.3 33.5



#17
Carbon Disulfide
Concen: 0.917 ug/l
RT: 4.694 min Scan# 466
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion: 76 Resp: 7174
Ion Ratio Lower Upper
76 100
78 8.1 8.6 13.0#

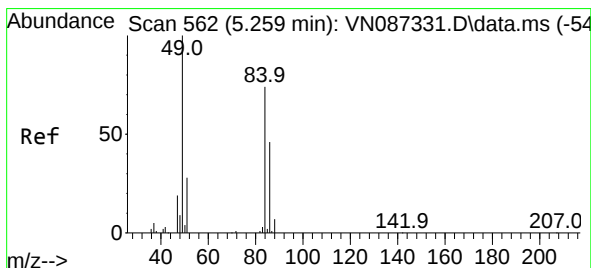
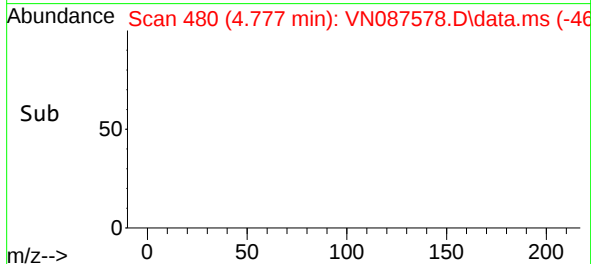
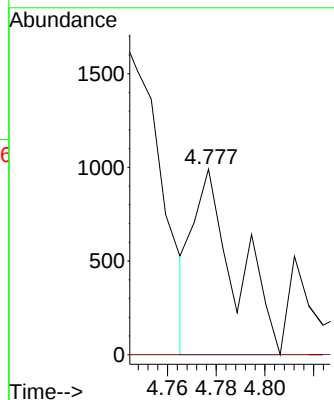
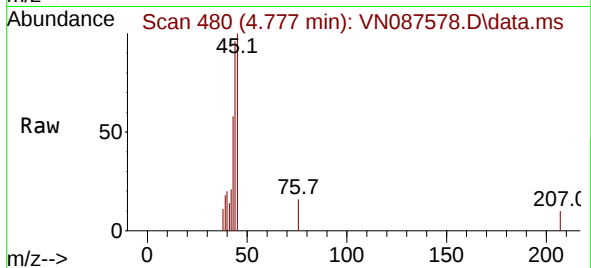




#18
Methyl Acetate
Concen: 0.260 ug/l
RT: 4.777 min Scan# 41
Delta R.T. -0.235 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

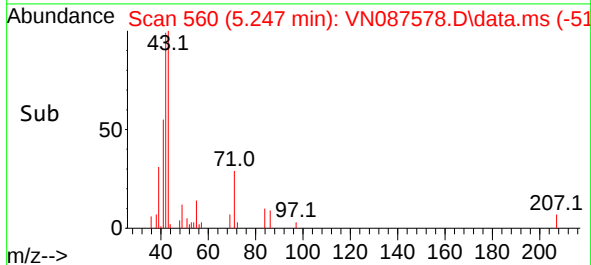
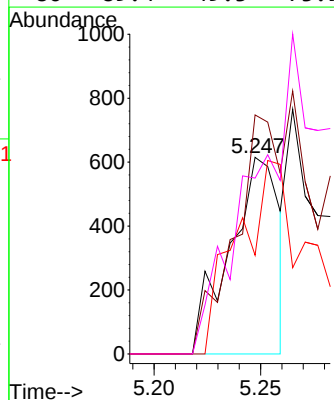
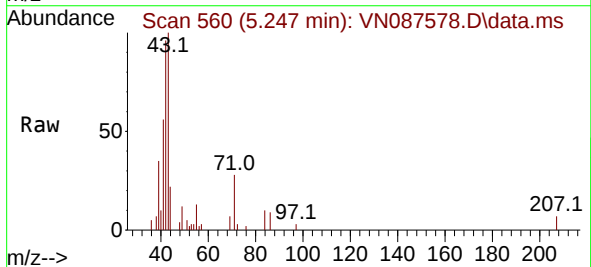
Instrument :
MSVOA_N
ClientSampleId :

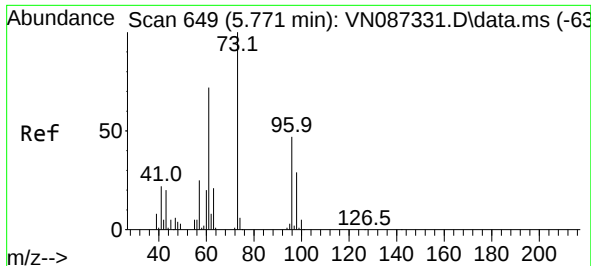
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Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.247 min Scan# 560
Delta R.T. -0.012 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

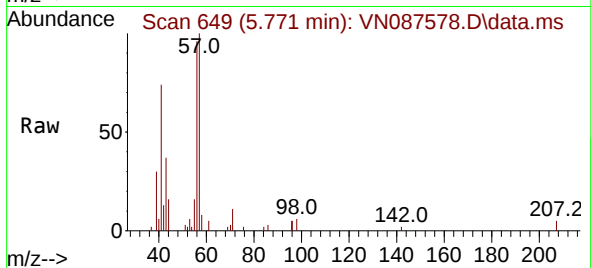
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Ion Ratio Lower Upper
84 100
49 121.6 107.5 161.3
51 50.2 30.2 45.2#
86 89.4 49.3 73.9#



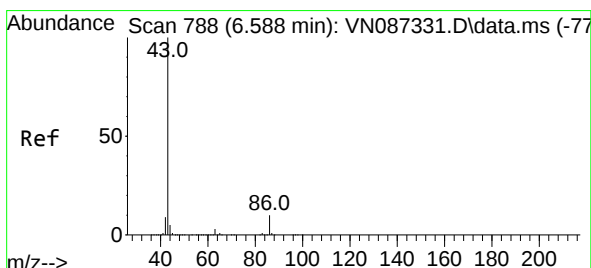
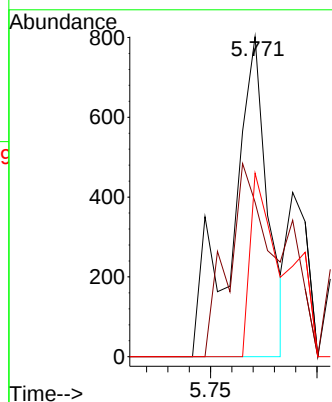
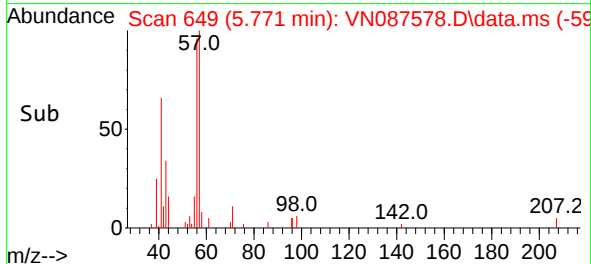


#21
trans-1,2-Dichloroethene
Concen: 0.310 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Instrument :
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ClientSampleId :

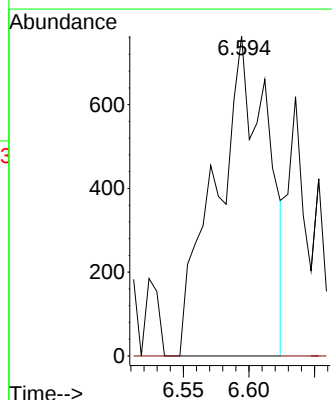
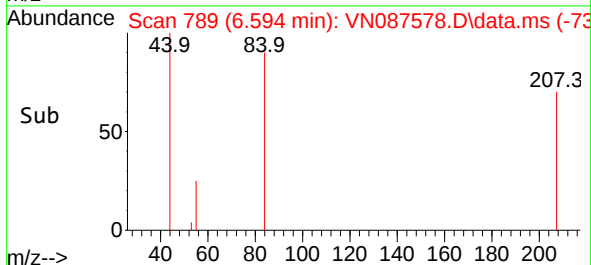
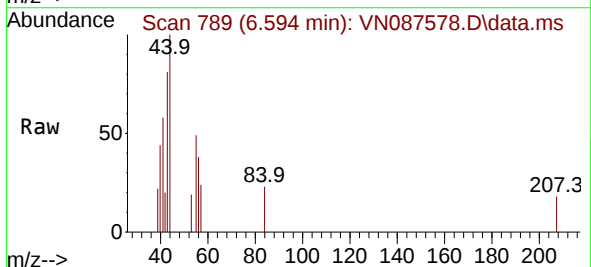


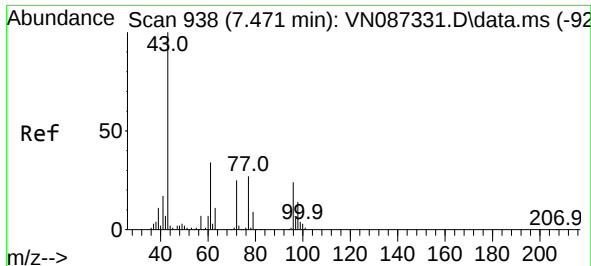
Tgt Ion: 96 Resp: 923
Ion Ratio Lower Upper
96 100
61 48.3 122.0 183.0#
98 57.4 50.0 75.0



#23
Vinyl Acetate
Concen: 0.239 ug/l
RT: 6.594 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion: 43 Resp: 2091
Ion Ratio Lower Upper
43 100
86 0.0 7.7 11.5#

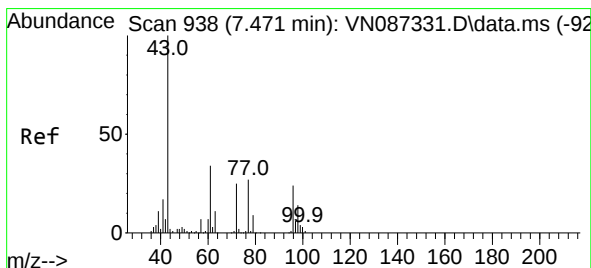
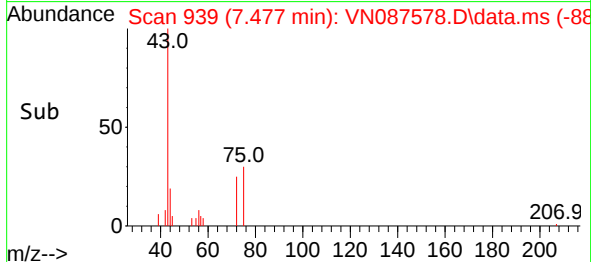
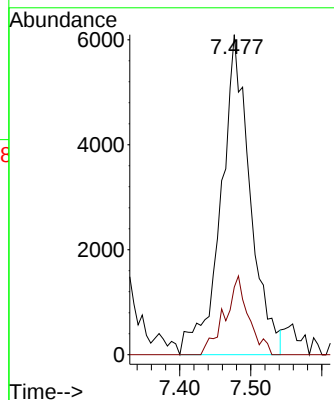
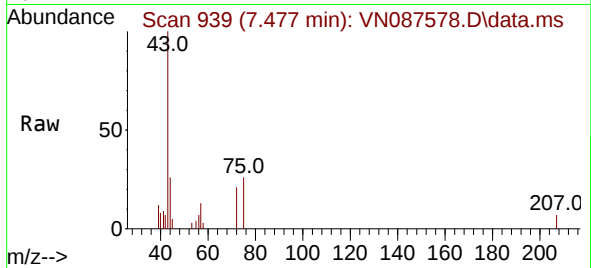




#25
2-Butanone
Concen: 6.139 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

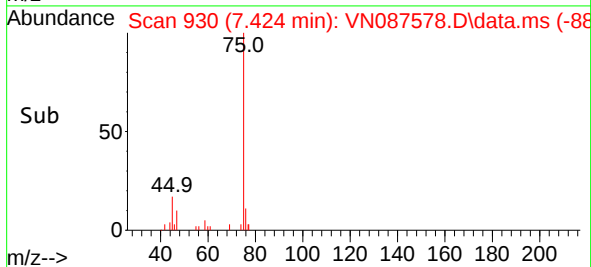
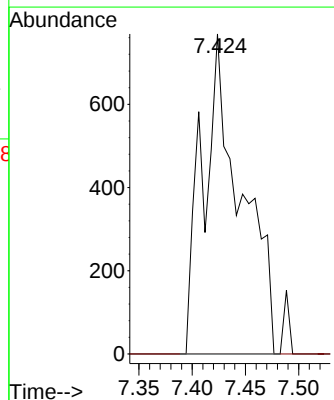
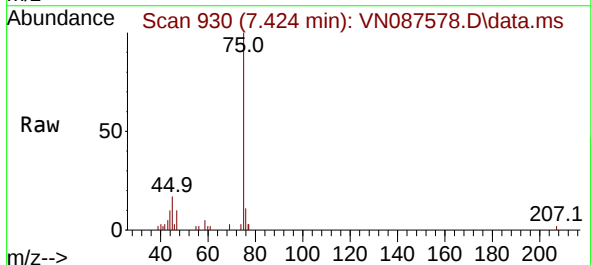
Instrument :
MSVOA_N
ClientSampleId :

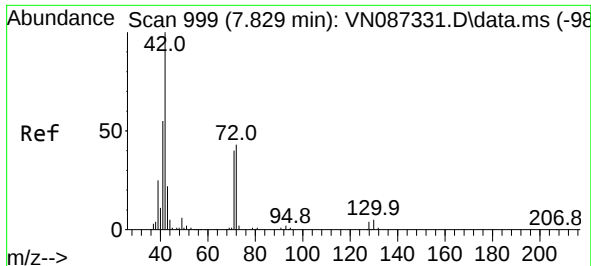
Tgt Ion: 43 Resp: 17443
Ion Ratio Lower Upper
43 100
72 21.1 19.6 29.4



#26
2,2-Dichloropropane
Concen: 0.429 ug/l
RT: 7.424 min Scan# 930
Delta R.T. -0.047 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion: 77 Resp: 1926
Ion Ratio Lower Upper
77 100
97 0.0 11.1 33.1#





#29

Tetrahydrofuran

Concen: 0.323 ug/l

RT: 7.824 min Scan# 91

Delta R.T. -0.006 min

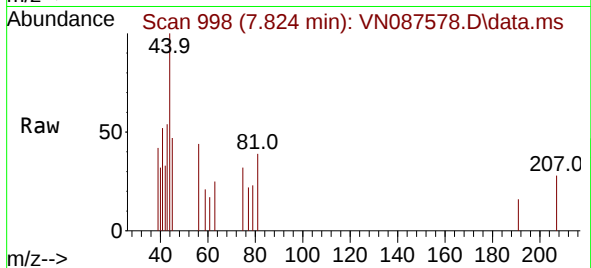
Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

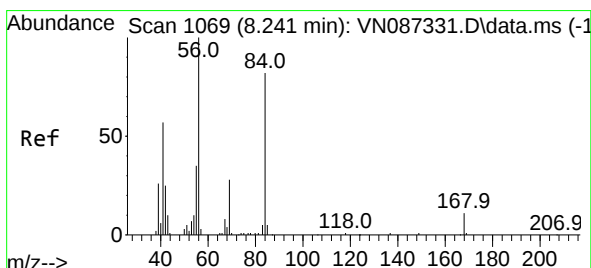
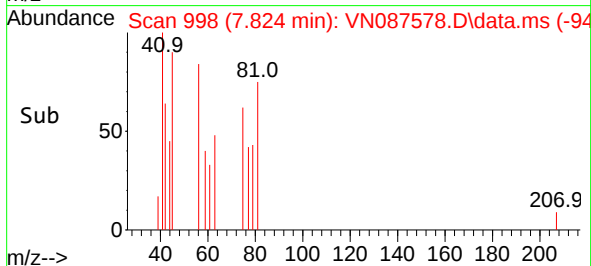
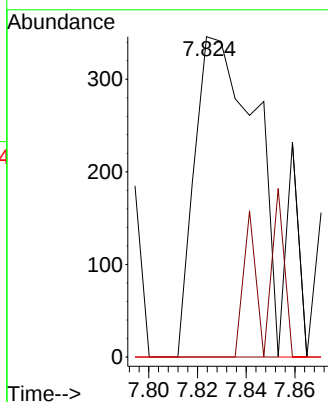
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	597
Ion Ratio	Lower	Upper	
42	100		
72	9.4	33.4	50.0#
71	0.0	31.2	46.8#



#31

Cyclohexane

Concen: 2.898 ug/l

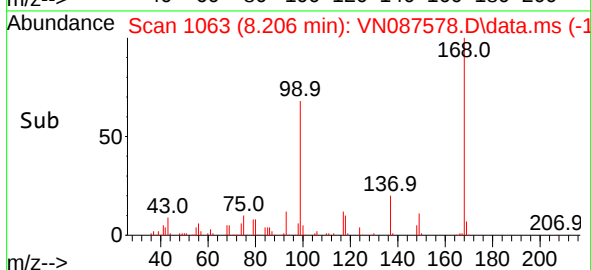
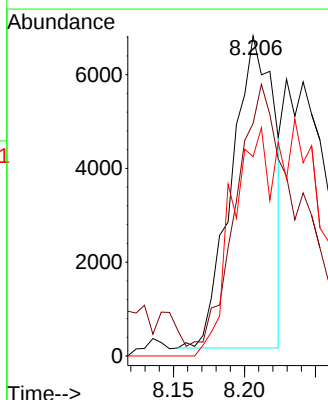
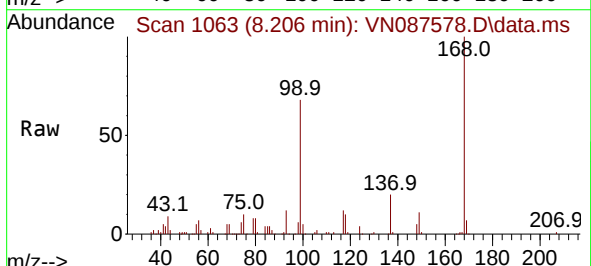
RT: 8.206 min Scan# 1063

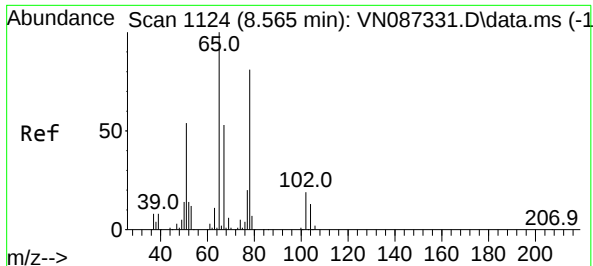
Delta R.T. -0.035 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Tgt Ion:	56	Resp:	13972
Ion Ratio	Lower	Upper	
56	100		
69	66.4	22.7	34.1#
84	63.9	65.8	98.6#





#33

1,2-Dichloroethane-d4

Concen: 55.190 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

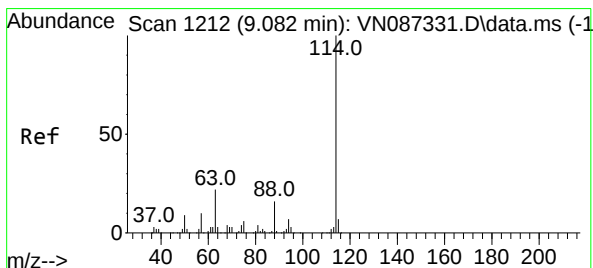
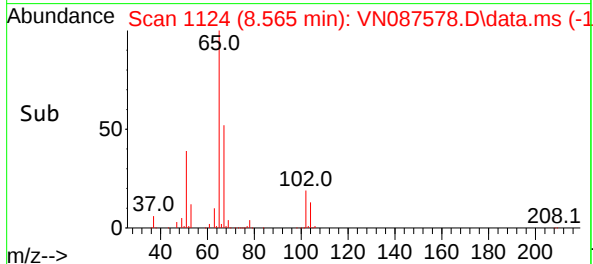
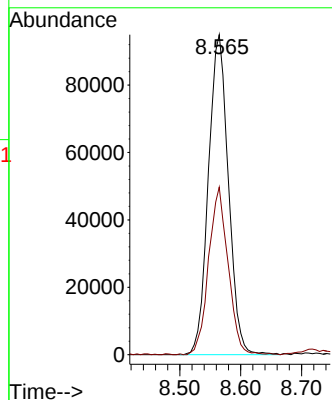
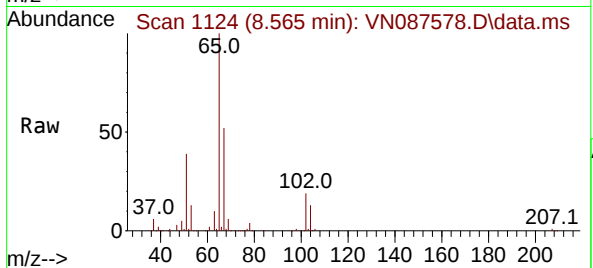
ClientSampleId :

Tgt Ion: 65 Resp: 216455

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

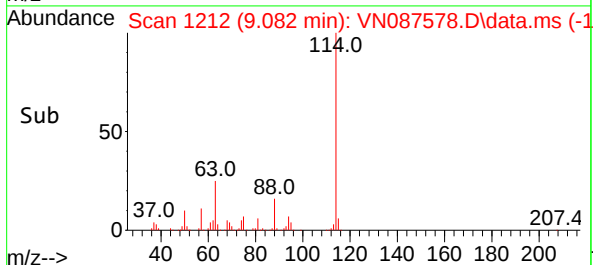
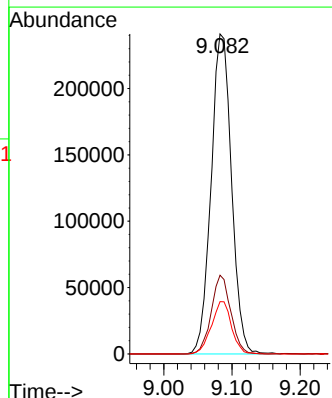
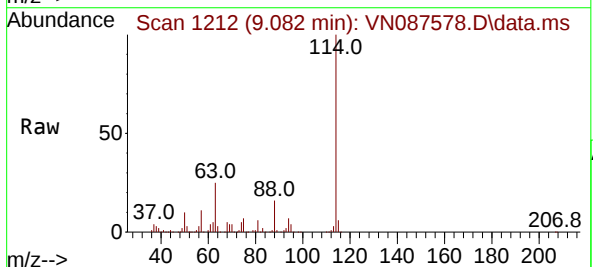
Tgt Ion: 114 Resp: 503313

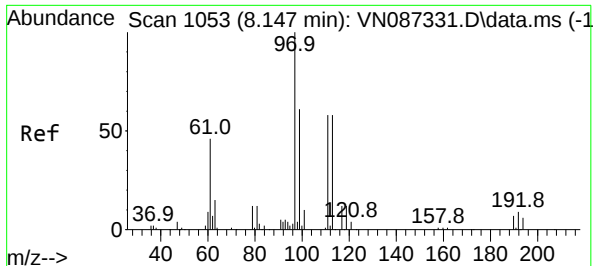
Ion Ratio Lower Upper

114 100

63 24.6 0.0 44.6

88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.407 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

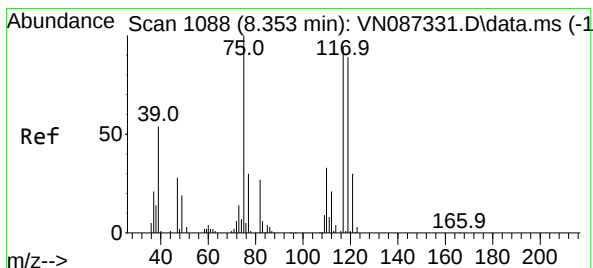
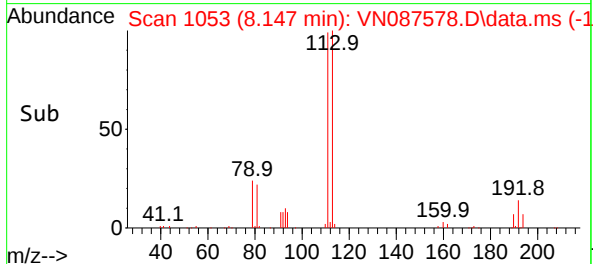
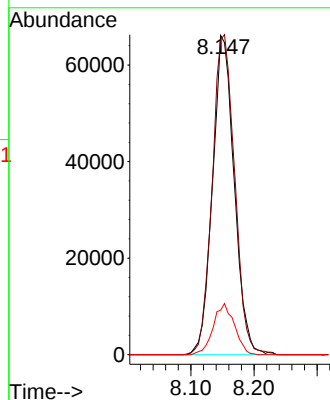
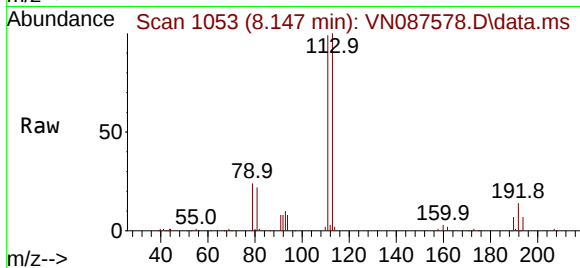
Tgt Ion:113 Resp: 157647

Ion Ratio Lower Upper

113 100

111 103.5 82.5 123.7

192 15.7 13.7 20.5



#36

1,1-Dichloropropene

Concen: 5.194 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

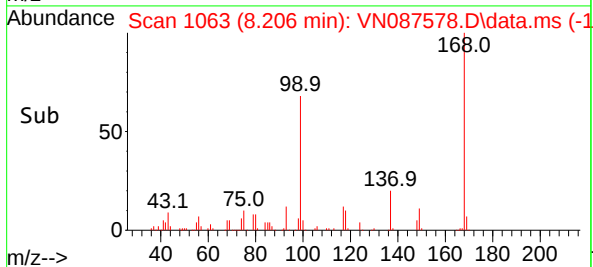
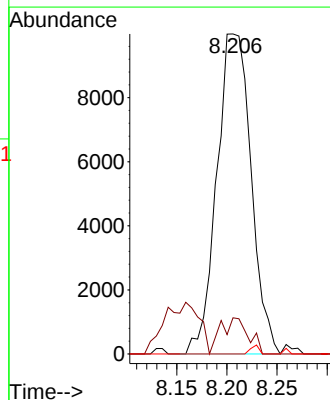
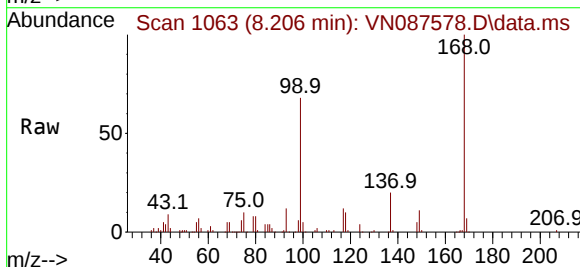
Tgt Ion: 75 Resp: 23823

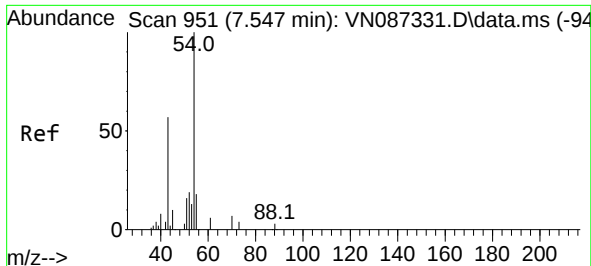
Ion Ratio Lower Upper

75 100

110 9.1 16.7 50.1#

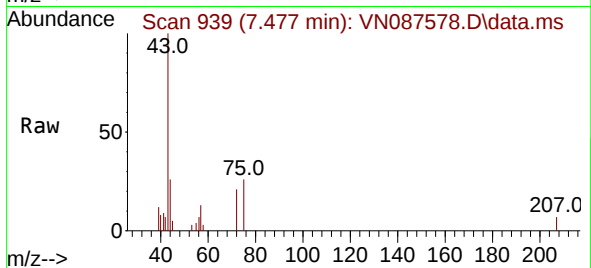
77 0.0 25.2 37.8#



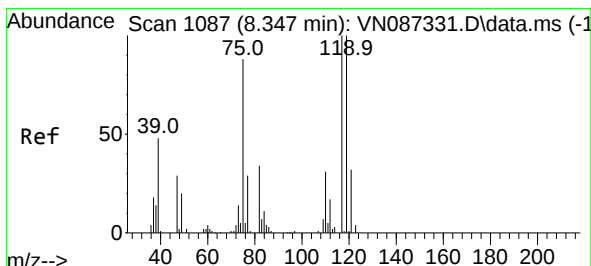
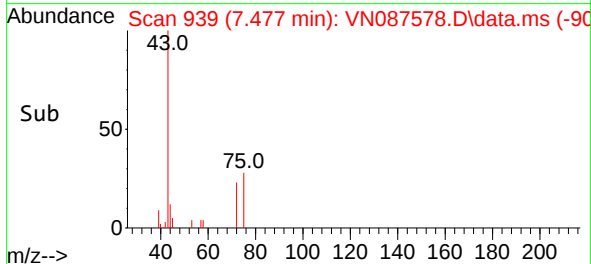
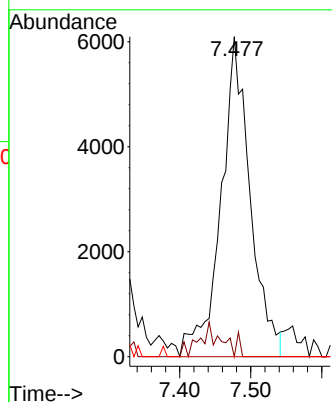


#37
Ethyl Acetate
Concen: 2.633 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.070 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :

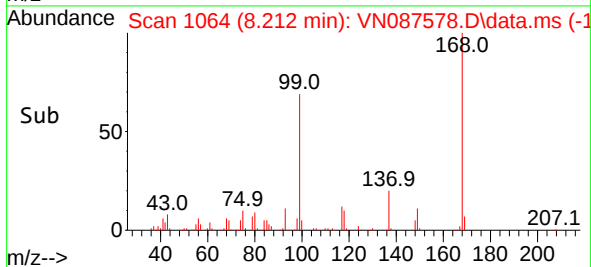
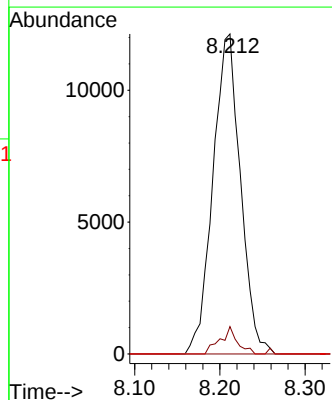
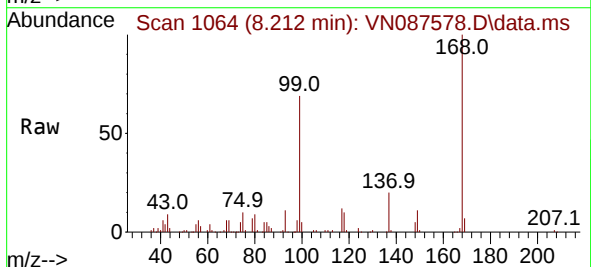


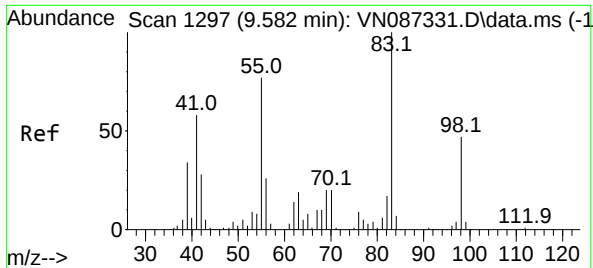
Tgt Ion: 43 Resp: 17443
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 5.400 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion: 117 Resp: 27285
Ion Ratio Lower Upper
117 100
119 8.5 80.2 120.2#
121 0.0 25.4 38.2#





#39

Methylcyclohexane

Concen: 6.785 ug/l

RT: 9.582 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

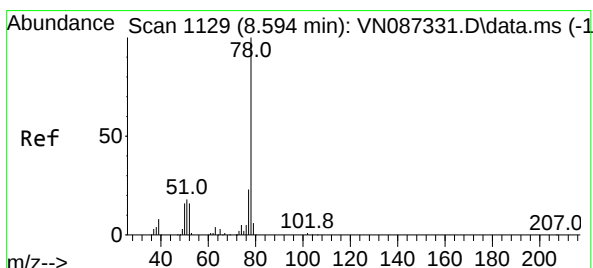
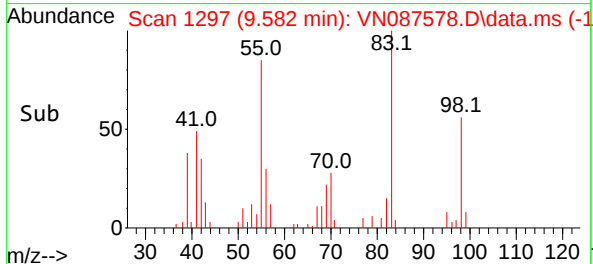
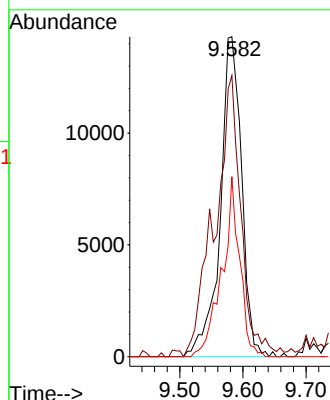
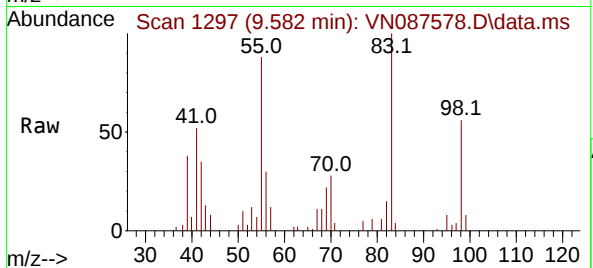
Tgt Ion: 83 Resp: 33693

Ion Ratio Lower Upper

83 100

55 86.0 61.3 91.9

98 56.2 37.9 56.9



#40

Benzene

Concen: 2.700 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087578.D

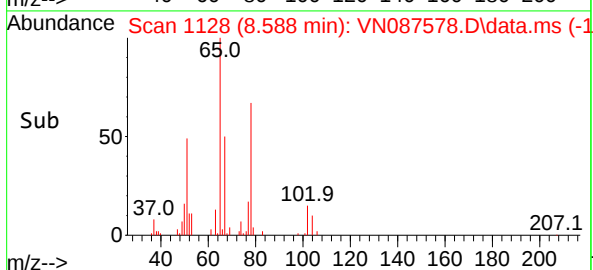
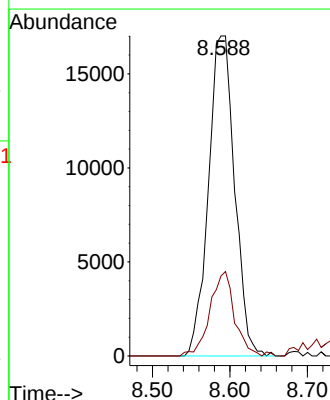
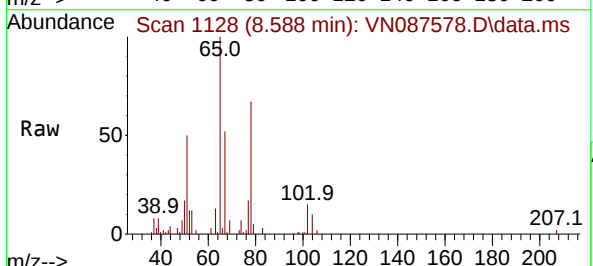
Acq: 15 Aug 2025 13:52

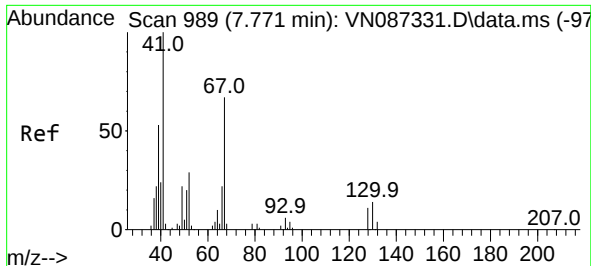
Tgt Ion: 78 Resp: 40025

Ion Ratio Lower Upper

78 100

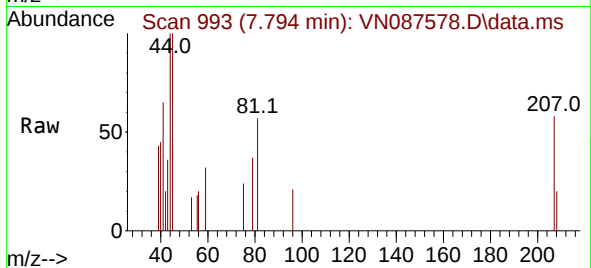
77 25.0 18.2 27.2



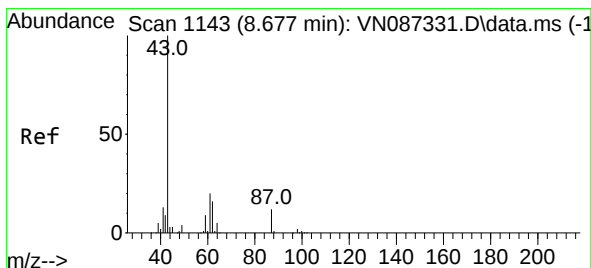
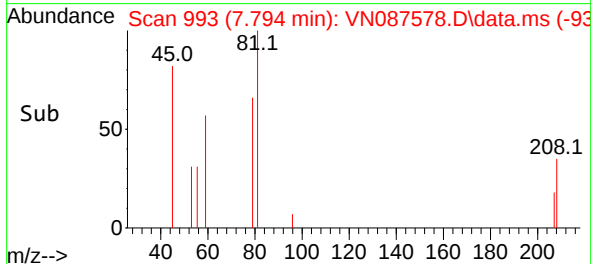
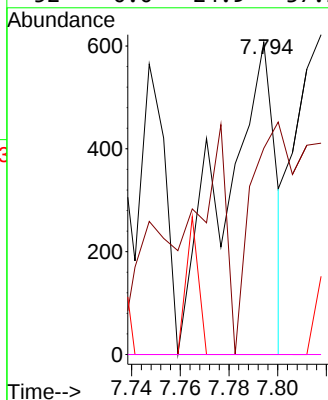


#41
Methacrylonitrile
Concen: 0.262 ug/l
RT: 7.794 min Scan# 909
Delta R.T. 0.024 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :

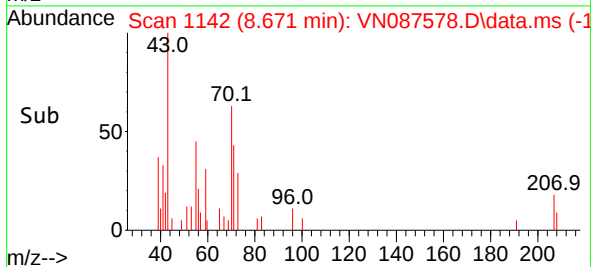
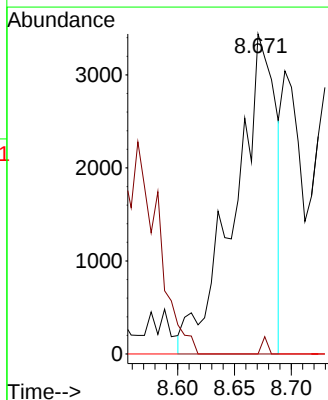
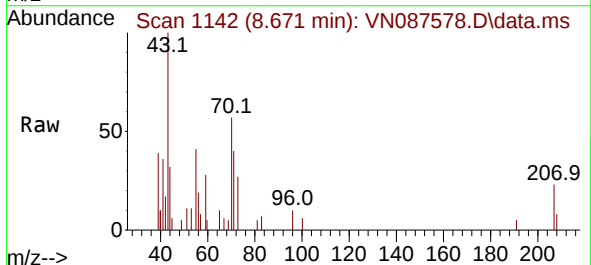


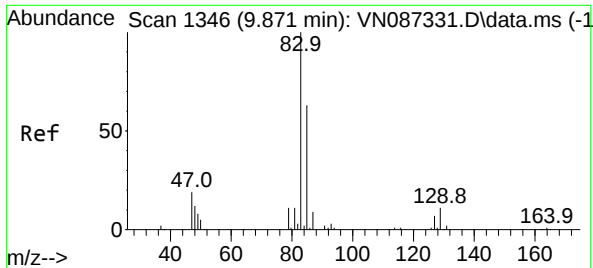
Tgt Ion:	41	Resp:	909
Ion	Ratio	Lower	Upper
41	100		
39	59.4	43.4	65.0
67	0.0	55.1	82.7#
52	0.0	24.9	37.3#



#43
Isopropyl Acetate
Concen: 0.846 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion:	43	Resp:	8704
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.8	29.8#
87	0.0	9.8	14.6#

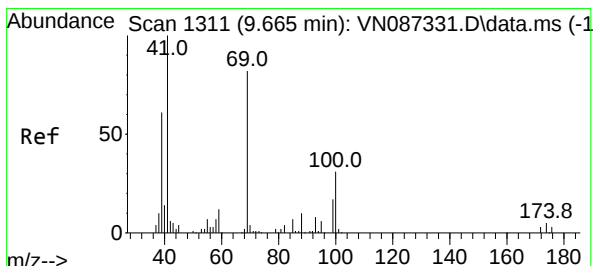
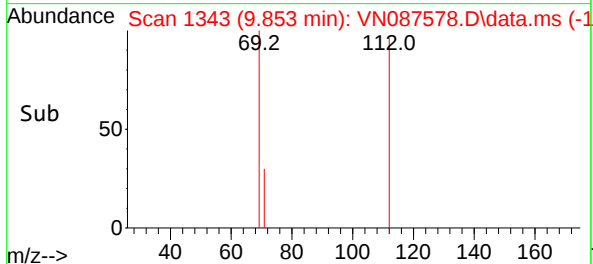
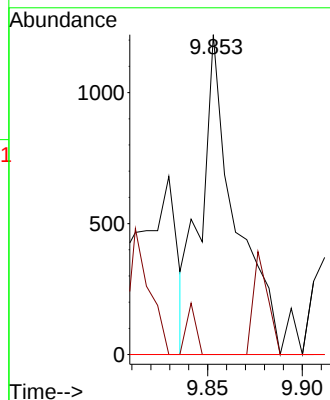
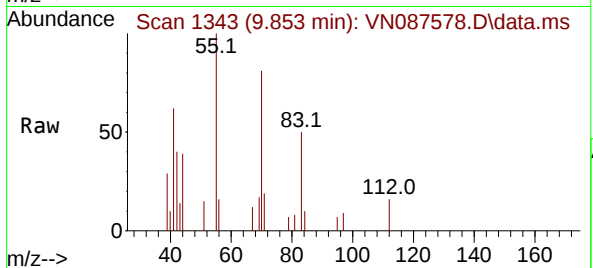




#47
Bromodichloromethane
Concen: 0.270 ug/l
RT: 9.853 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

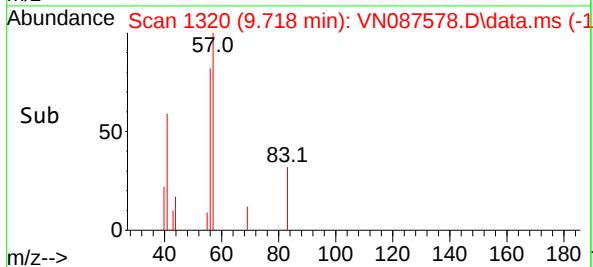
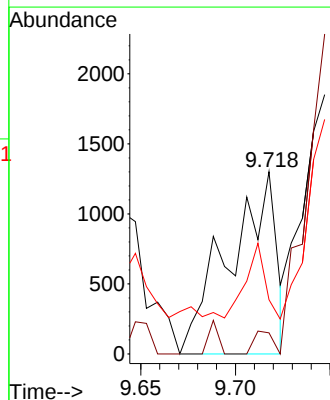
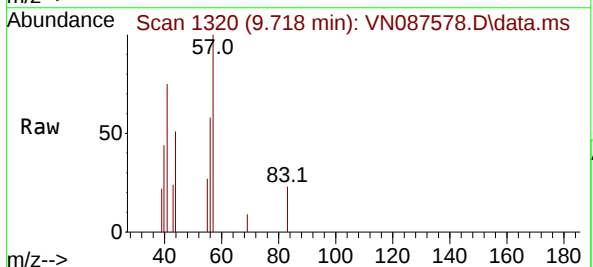
Instrument :
MSVOA_N
ClientSampleId :

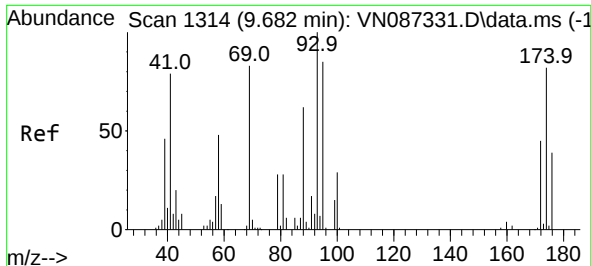
Tgt Ion: 83 Resp: 1536
Ion Ratio Lower Upper
83 100
85 0.0 50.4 75.6#
127 0.0 5.8 8.8#



#48
Methyl methacrylate
Concen: 0.483 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.053 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion: 41 Resp: 2237
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 0.0 45.5 68.3#





#49

1,4-Dioxane

Concen: 0.917 ug/l

RT: 9.682 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

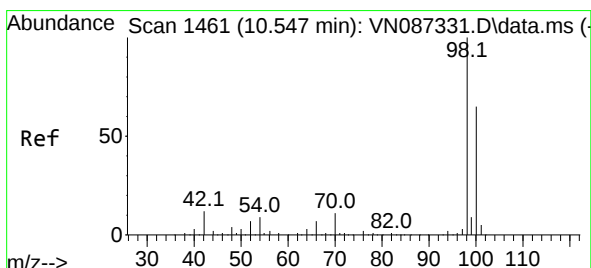
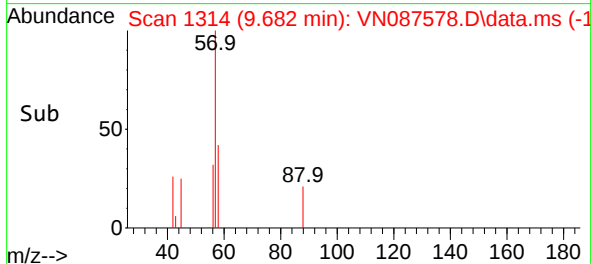
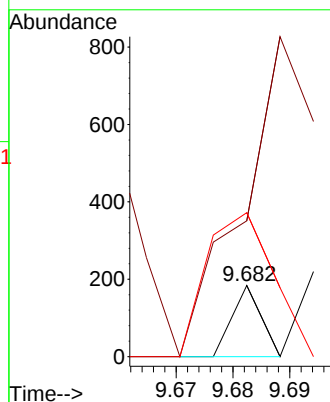
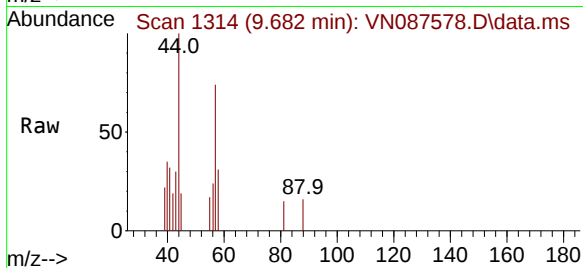
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 1455.4 0.0 0.0#

58 469.2 61.1 91.7#



#50

Toluene-d8

Concen: 47.312 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087578.D

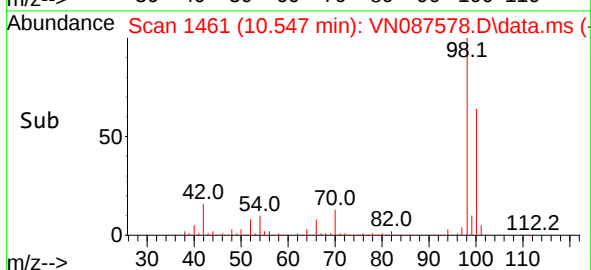
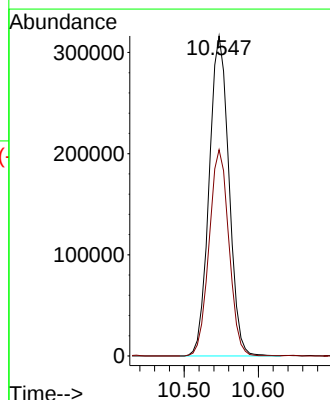
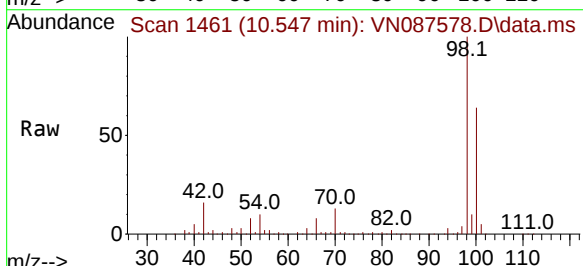
Acq: 15 Aug 2025 13:52

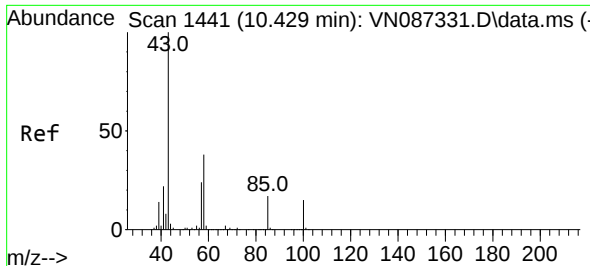
Tgt Ion: 98 Resp: 585938

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1

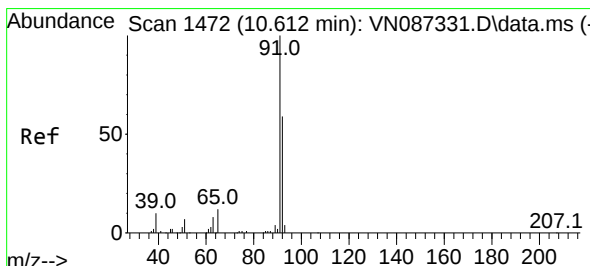
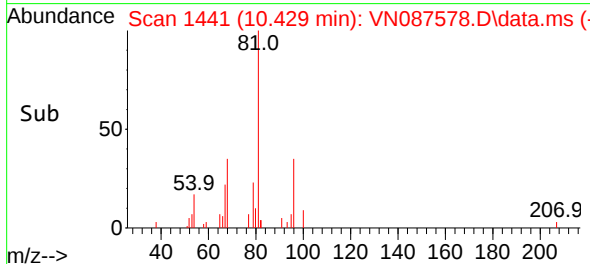
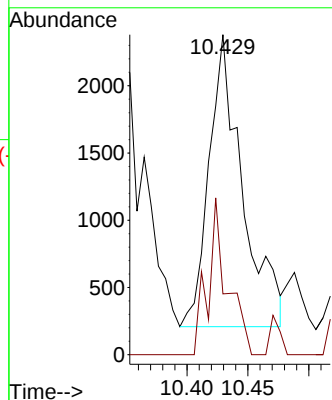
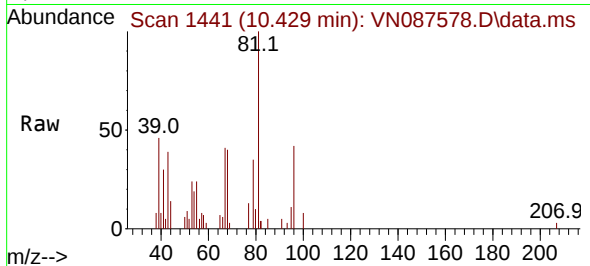




#51
4-Methyl-2-Pentanone
Concen: 0.636 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

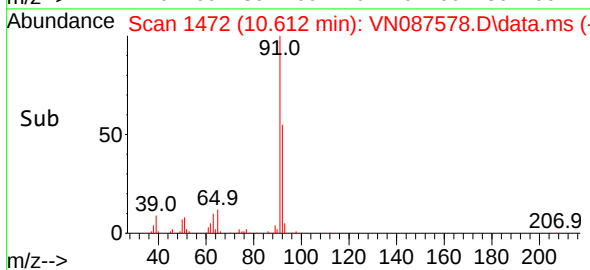
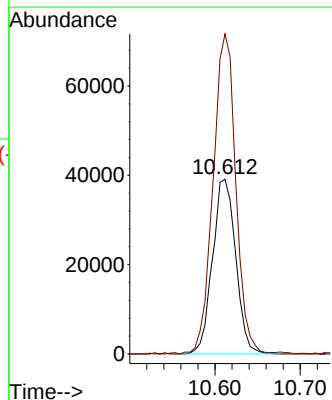
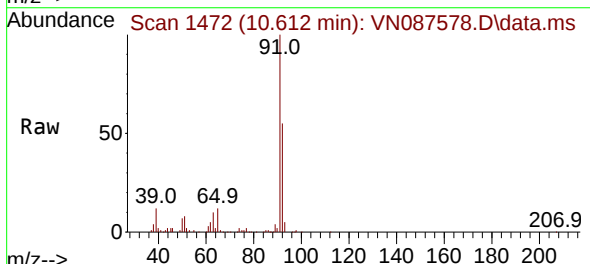
Instrument :
MSVOA_N
ClientSampleId :

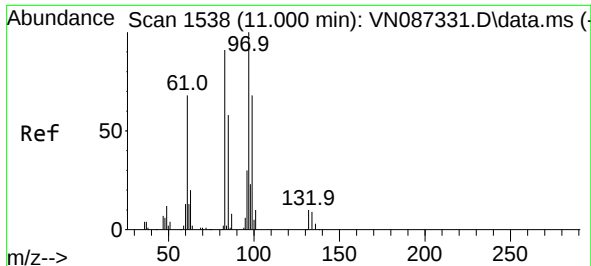
Tgt Ion: 43 Resp: 4139
Ion Ratio Lower Upper
43 100
58 31.0 30.8 46.2



#52
Toluene
Concen: 8.204 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

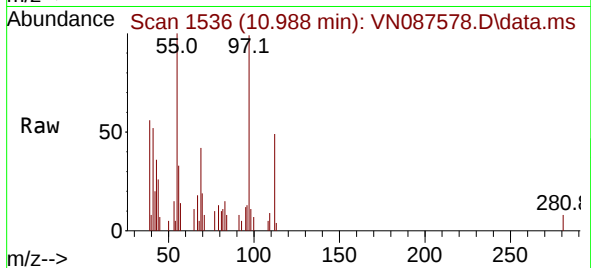
Tgt Ion: 92 Resp: 73921
Ion Ratio Lower Upper
92 100
91 179.7 135.1 202.7



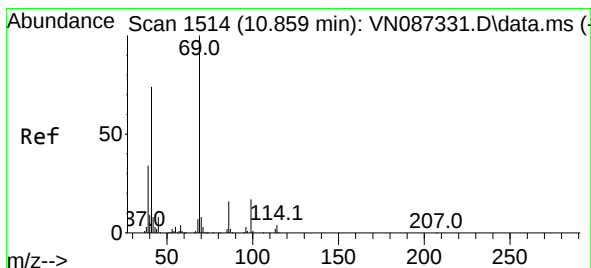
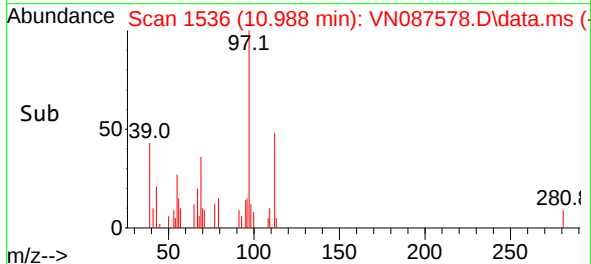
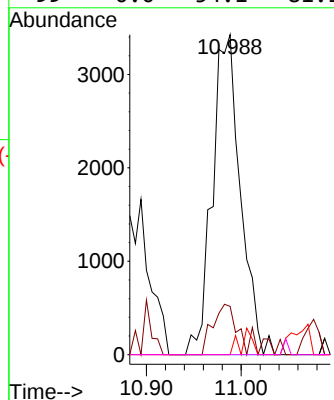


#55
1,1,2-Trichloroethane
Concen: 1.937 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. -0.012 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :

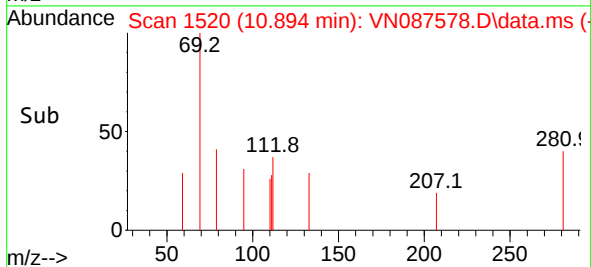
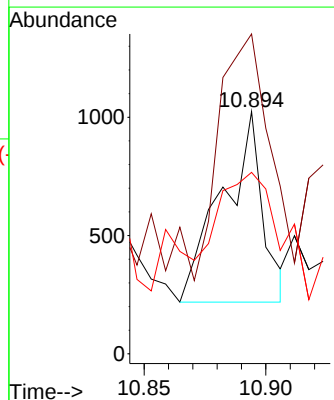
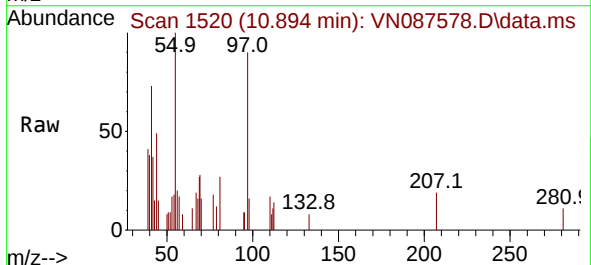


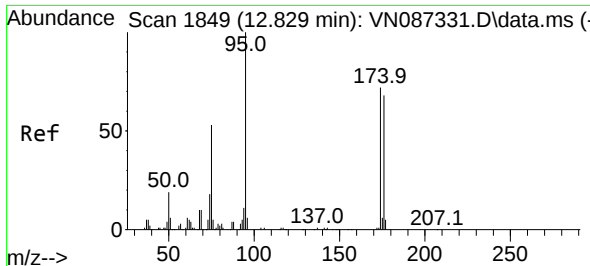
Tgt Ion:	97	Resp:	7067
Ion	Ratio	Lower	Upper
97	100		
83	15.1	72.6	109.0#
85	0.0	46.7	70.1#
99	0.0	54.1	81.1#



#56
Ethyl methacrylate
Concen: 0.790 ug/l
RT: 10.894 min Scan# 1520
Delta R.T. 0.035 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion:	69	Resp:	932
Ion	Ratio	Lower	Upper
69	100		
41	159.8	55.1	82.7#
39	119.5	27.9	41.9#

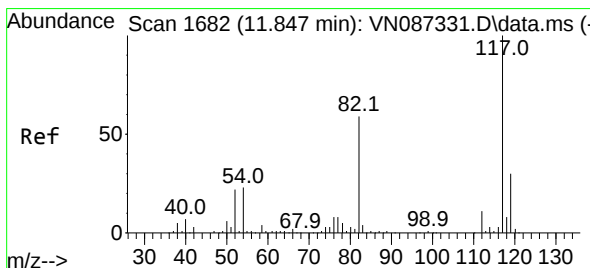
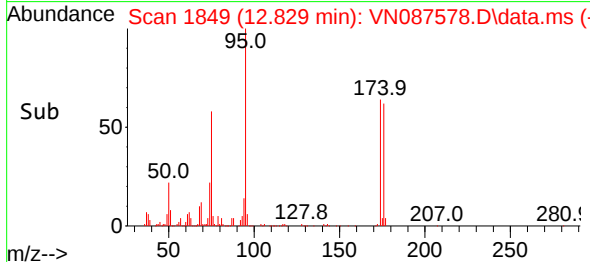
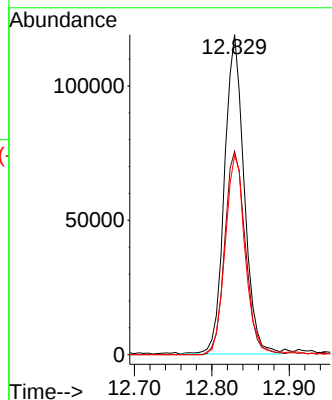
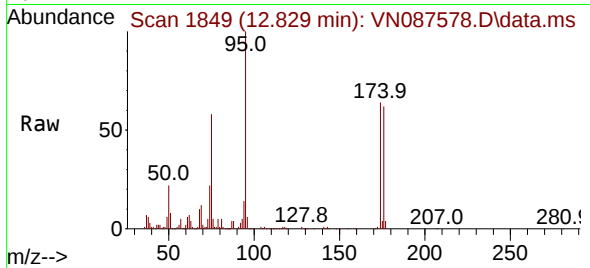




#62
4-Bromofluorobenzene
Concen: 45.911 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

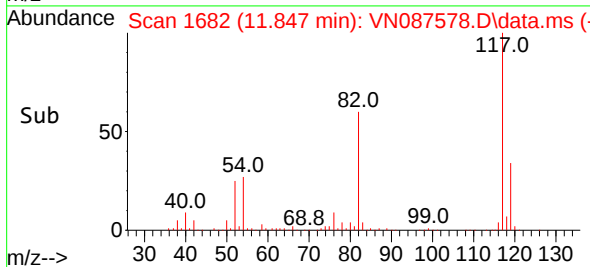
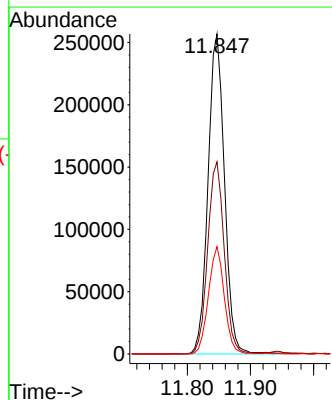
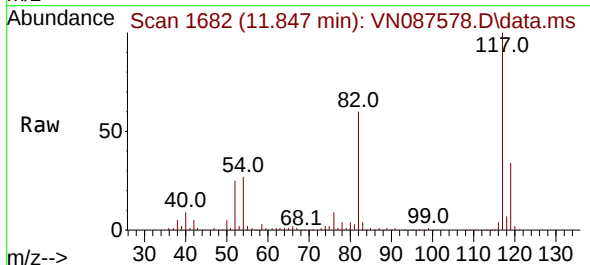
Instrument :
MSVOA_N
ClientSampleId :

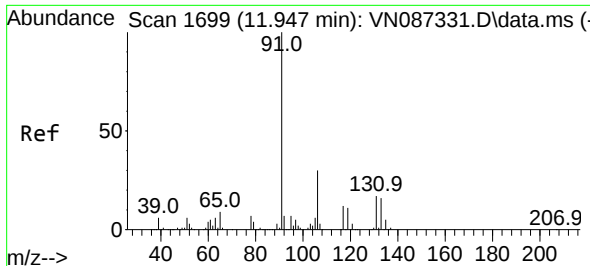
Tgt Ion: 95 Resp: 210063
Ion Ratio Lower Upper
95 100
174 66.6 0.0 149.4
176 63.7 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion: 117 Resp: 463732
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 33.6 23.8 35.8





#67

Ethyl Benzene

Concen: 1.297 ug/l

RT: 11.941 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

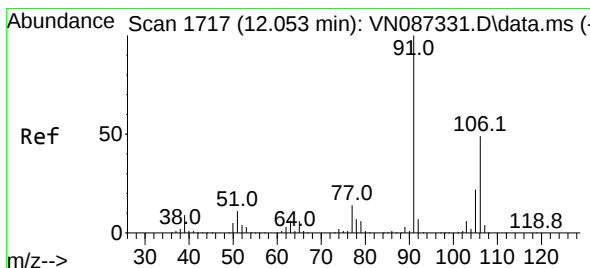
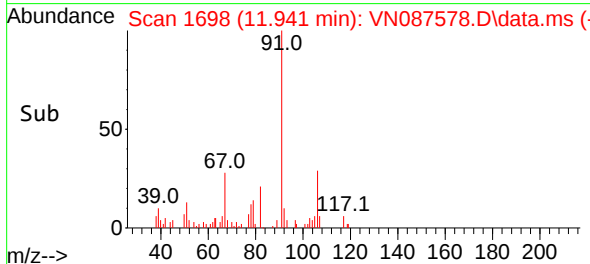
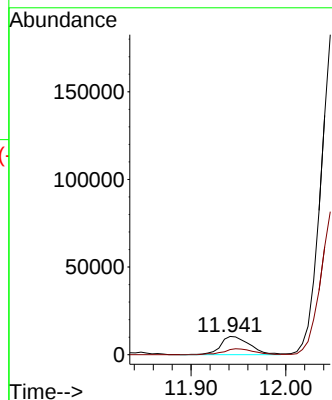
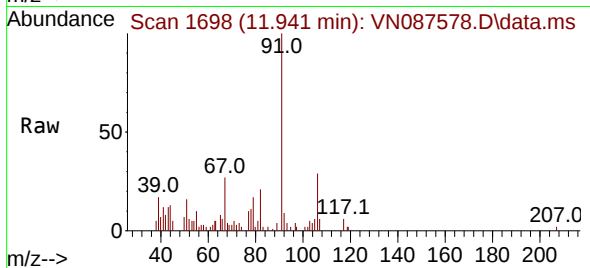
ClientSampleId :

Tgt Ion: 91 Resp: 22230

Ion Ratio Lower Upper

91 100

106 28.5 24.3 36.5



#68

m/p-Xylenes

Concen: 27.838 ug/l

RT: 12.053 min Scan# 1717

Delta R.T. 0.000 min

Lab File: VN087578.D

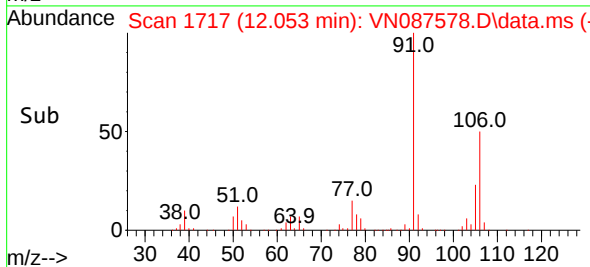
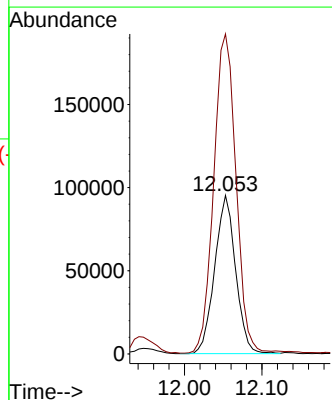
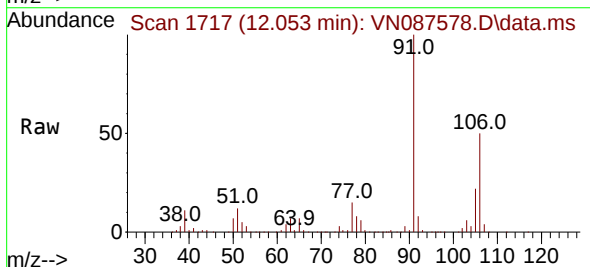
Acq: 15 Aug 2025 13:52

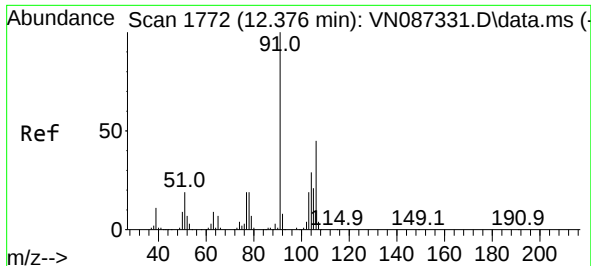
Tgt Ion:106 Resp: 178662

Ion Ratio Lower Upper

106 100

91 215.8 162.0 243.0

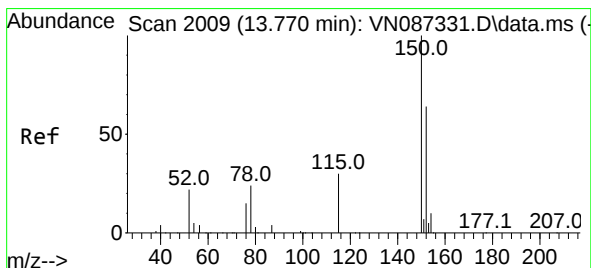
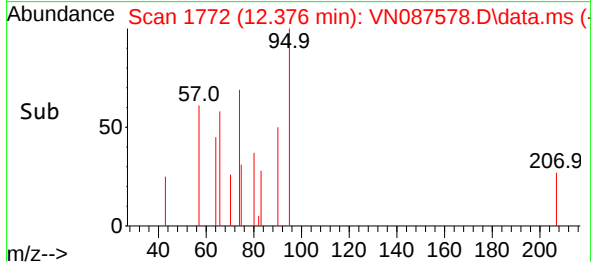
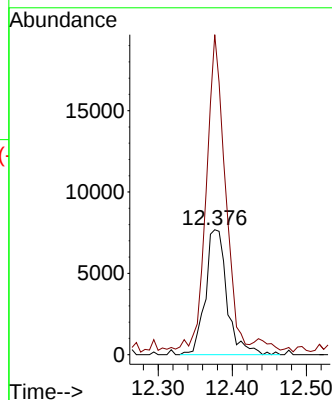
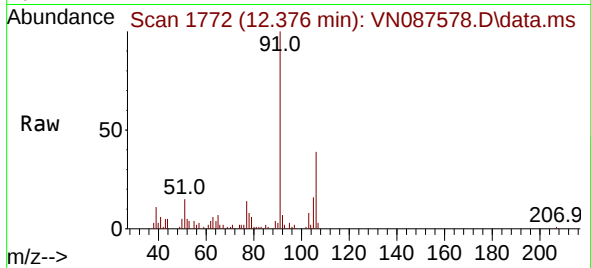




#69
o-Xylene
Concen: 2.535 ug/l
RT: 12.376 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

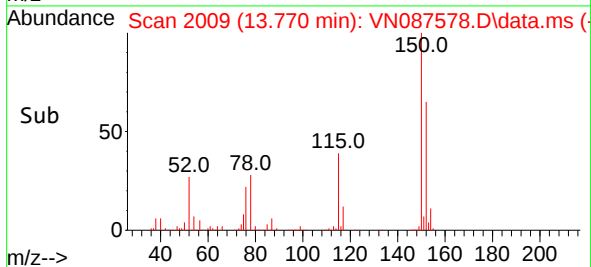
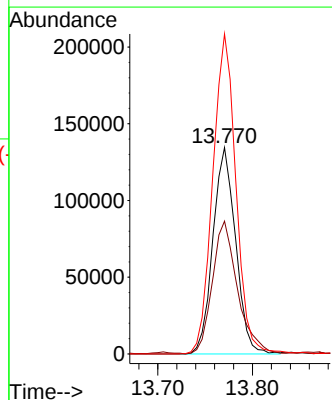
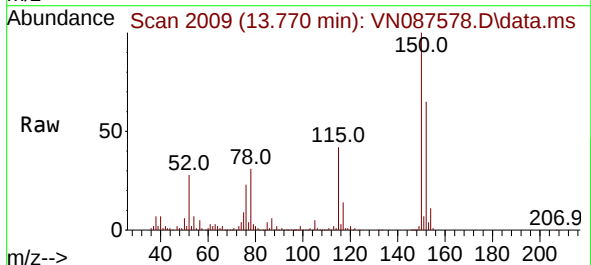
Instrument :
MSVOA_N
ClientSampleId :

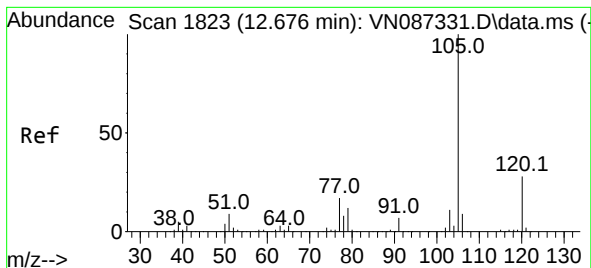
Tgt Ion:106 Resp: 15542
Ion Ratio Lower Upper
106 100
91 217.1 107.7 323.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion:152 Resp: 224252
Ion Ratio Lower Upper
152 100
115 71.4 31.1 93.5
150 158.2 0.0 349.0





#73

Isopropylbenzene

Concen: 1.094 ug/l

RT: 12.676 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

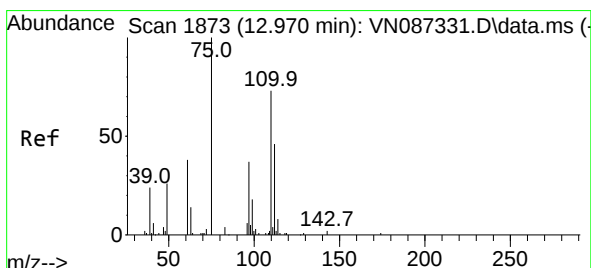
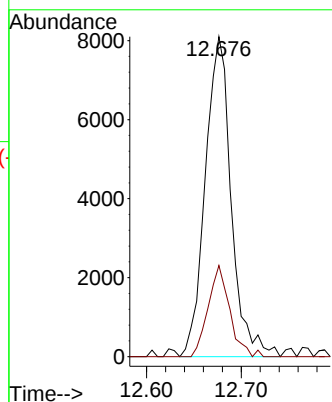
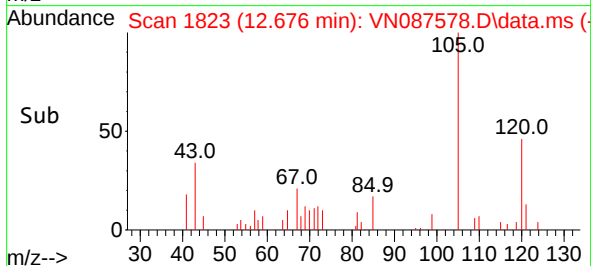
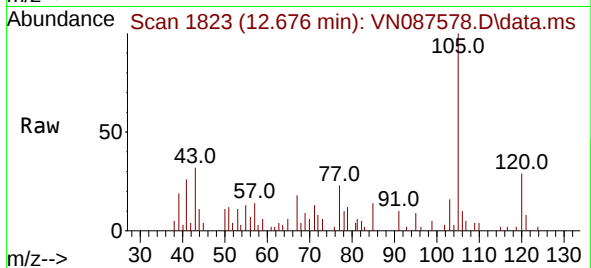
ClientSampleId :

Tgt Ion:105 Resp: 15441

Ion Ratio Lower Upper

105 100

120 23.7 13.4 40.1



#76

1,2,3-Trichloropropane

Concen: 24.500 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087578.D

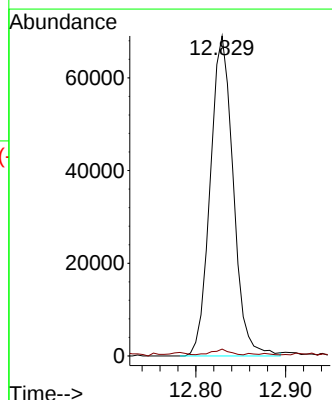
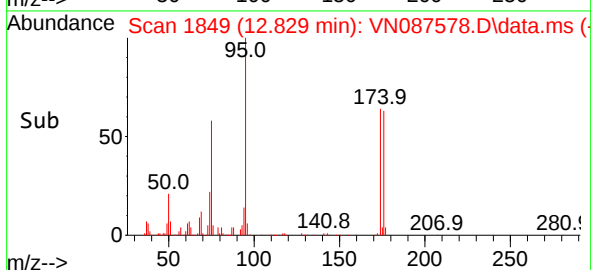
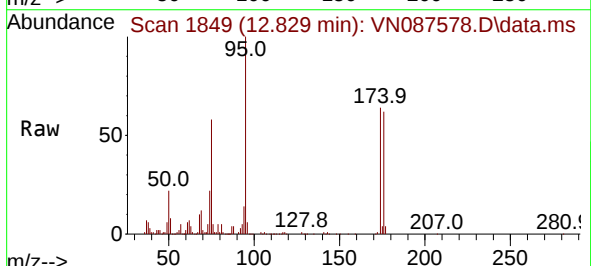
Acq: 15 Aug 2025 13:52

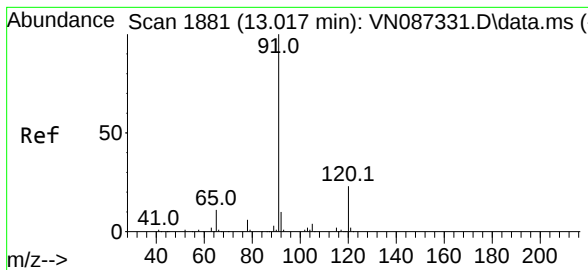
Tgt Ion: 75 Resp: 123202

Ion Ratio Lower Upper

75 100

77 1.2 94.5 283.6#





#78

n-propylbenzene

Concen: 2.331 ug/l

RT: 13.018 min Scan# 1881

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

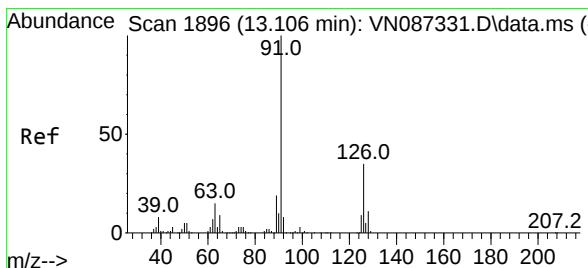
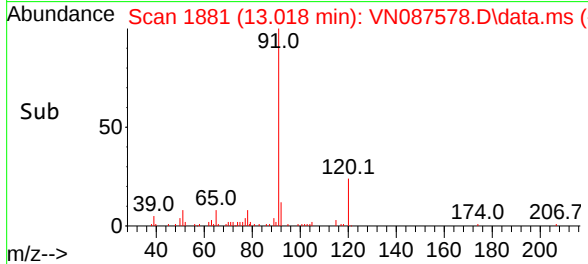
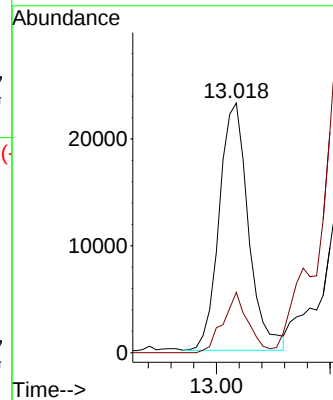
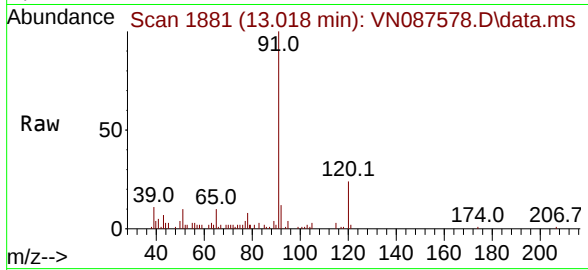
ClientSampleId :

Tgt Ion: 91 Resp: 41400

Ion Ratio Lower Upper

91 100

120 20.8 11.3 33.8



#79

2-Chlorotoluene

Concen: 2.495 ug/l

RT: 13.112 min Scan# 1897

Delta R.T. 0.006 min

Lab File: VN087578.D

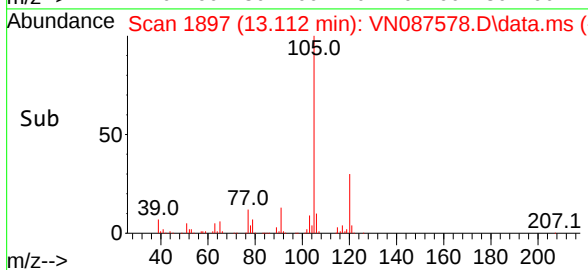
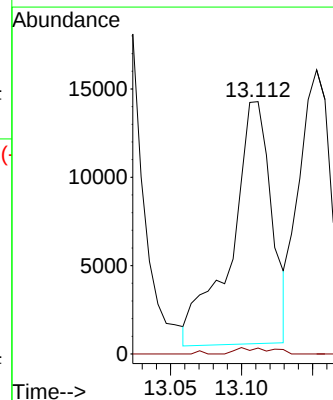
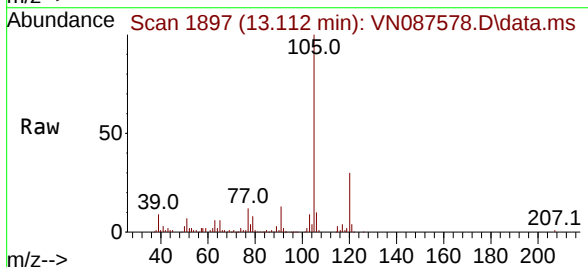
Acq: 15 Aug 2025 13:52

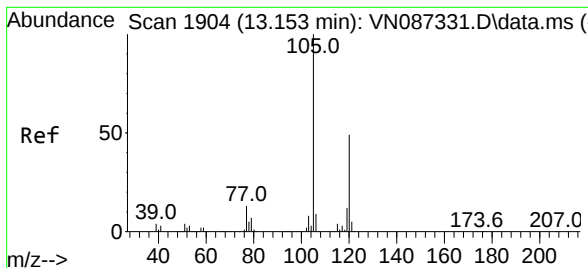
Tgt Ion: 91 Resp: 27231

Ion Ratio Lower Upper

91 100

126 2.3 16.9 50.6#





#80

1,3,5-Trimethylbenzene

Concen: 18.254 ug/l

RT: 13.153 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

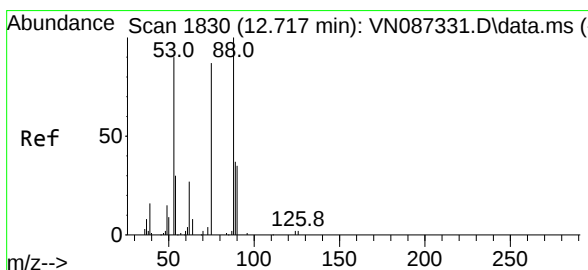
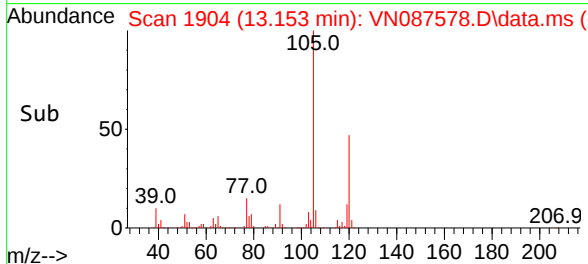
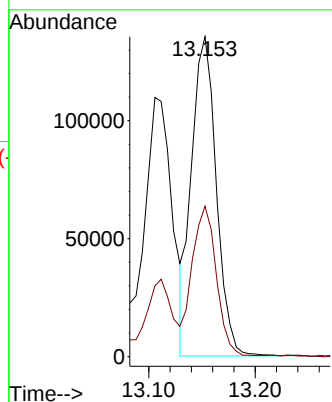
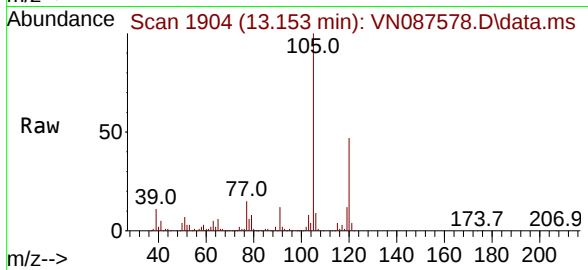
ClientSampleId :

Tgt Ion:105 Resp: 219510

Ion Ratio Lower Upper

105 100

120 45.6 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 67.036 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

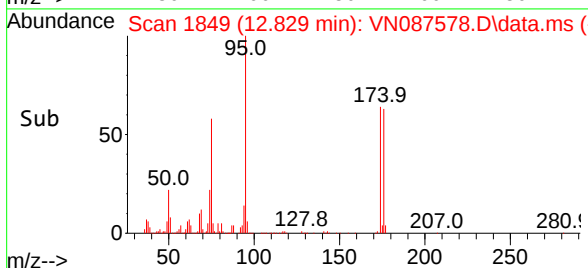
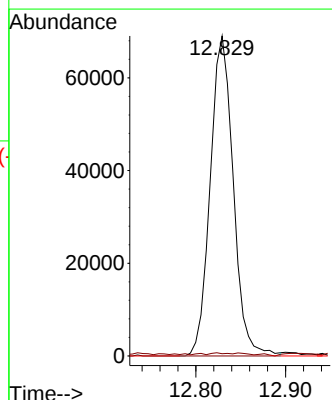
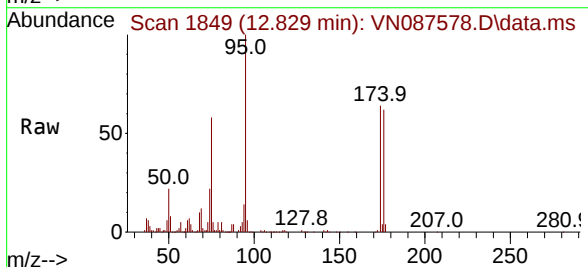
Tgt Ion: 75 Resp: 123202

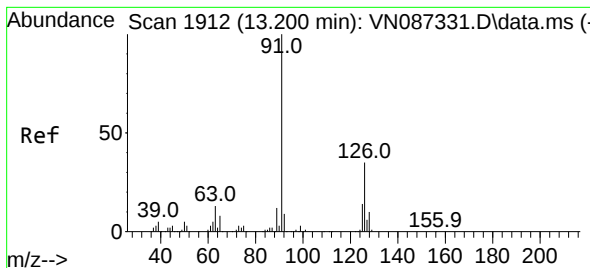
Ion Ratio Lower Upper

75 100

53 0.4 83.5 125.3#

89 0.0 38.4 57.6#

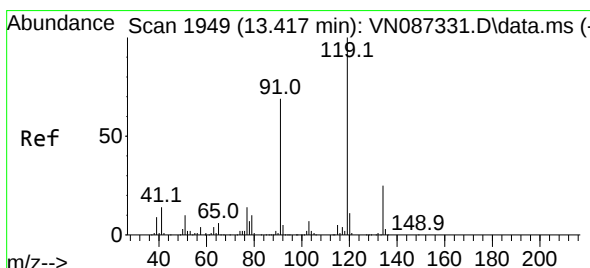
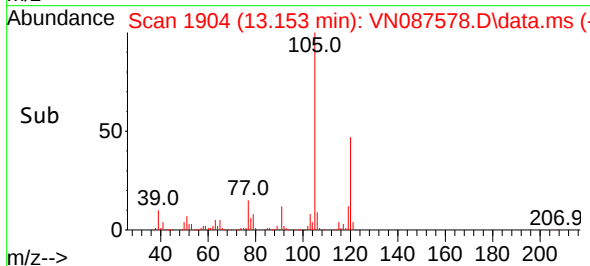
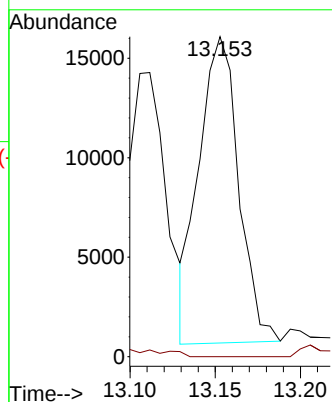
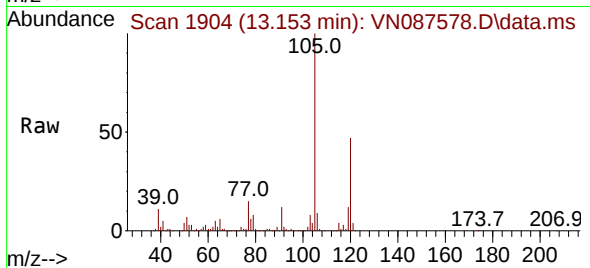




#82
4-Chlorotoluene
Concen: 2.194 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.047 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

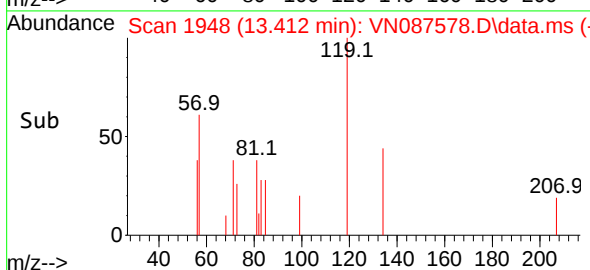
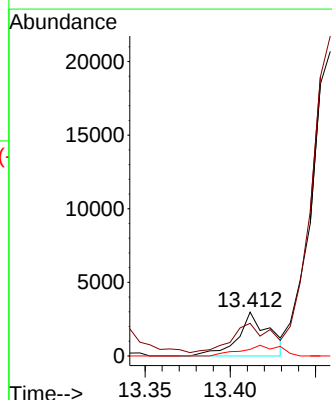
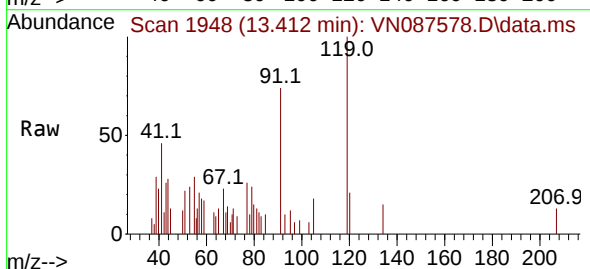
Instrument :
MSVOA_N
ClientSampleId :

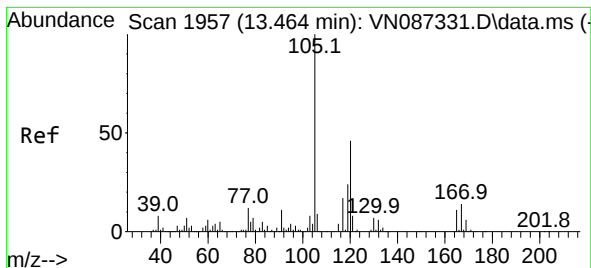
Tgt Ion: 91 Resp: 24934
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.7#



#83
tert-Butylbenzene
Concen: 0.377 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion: 119 Resp: 3789
Ion Ratio Lower Upper
119 100
91 80.4 35.0 105.1
134 30.3 12.6 37.6





#84

1,2,4-Trimethylbenzene

Concen: 24.863 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.006 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

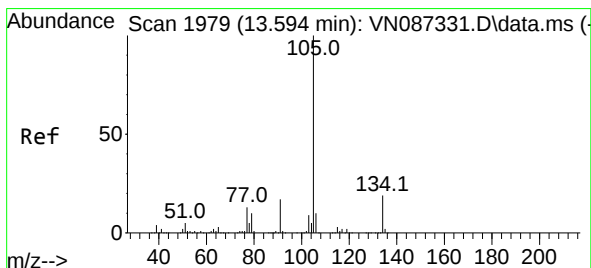
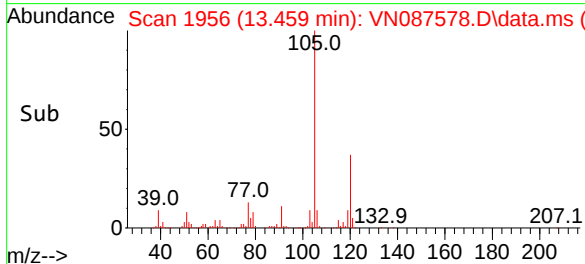
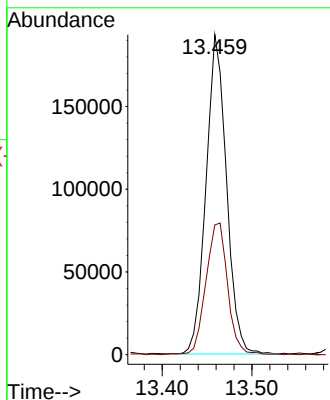
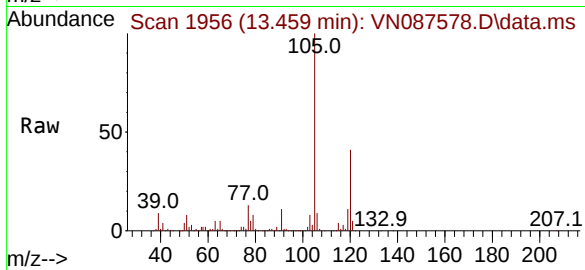
ClientSampleId :

Tgt Ion:105 Resp: 305334

Ion Ratio Lower Upper

105 100

120 44.0 22.8 68.3



#85

sec-Butylbenzene

Concen: 20.183 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.135 min

Lab File: VN087578.D

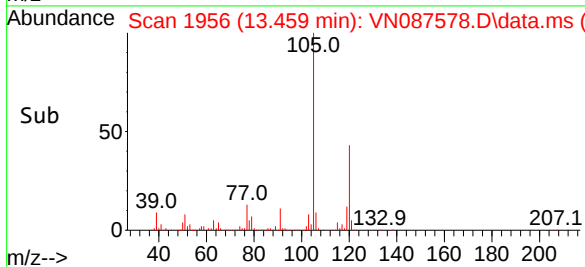
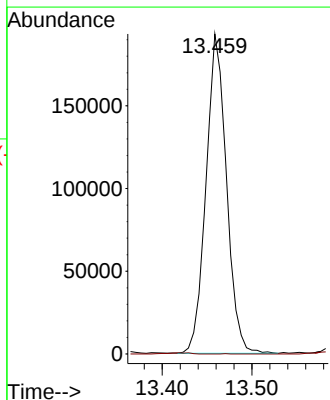
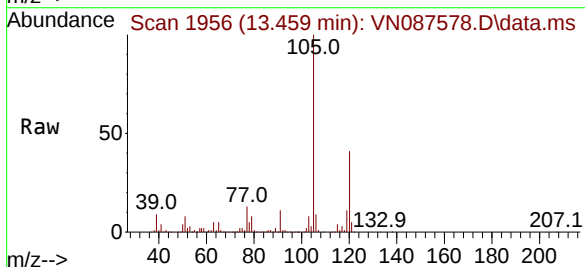
Acq: 15 Aug 2025 13:52

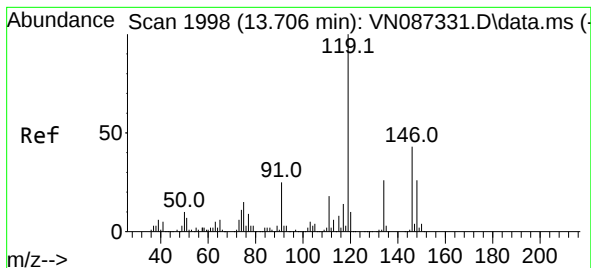
Tgt Ion:105 Resp: 305334

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#





#86

p-Isopropyltoluene

Concen: 1.417 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.006 min

Lab File: VN087578.D

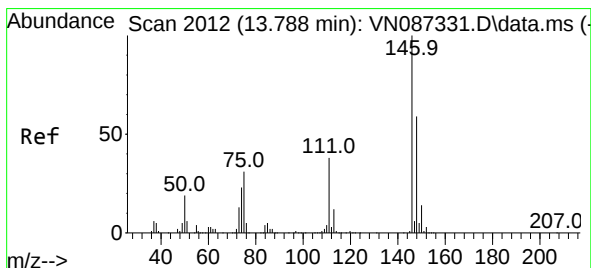
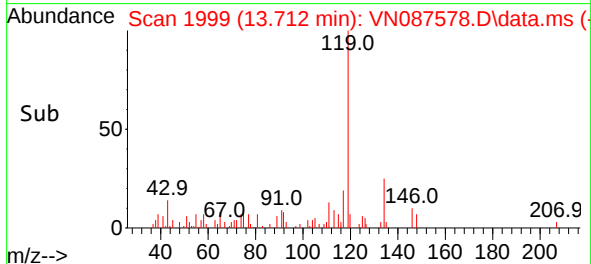
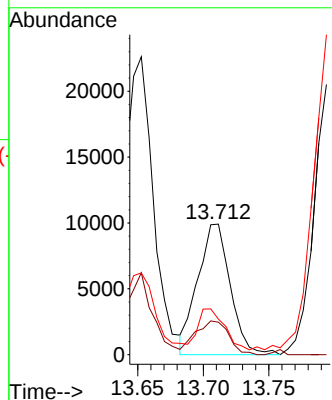
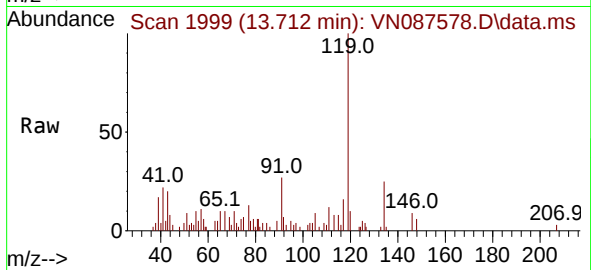
Acq: 15 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	119	Resp:	17174
Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.5
91	25.3	12.2	36.6



#88

1,4-Dichlorobenzene

Concen: 0.292 ug/l

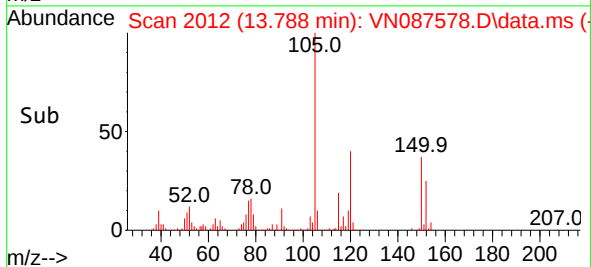
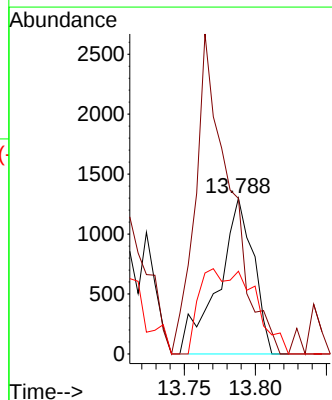
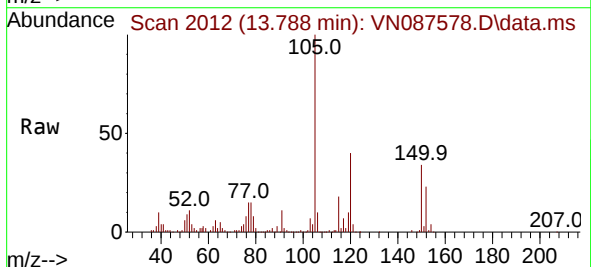
RT: 13.788 min Scan# 2012

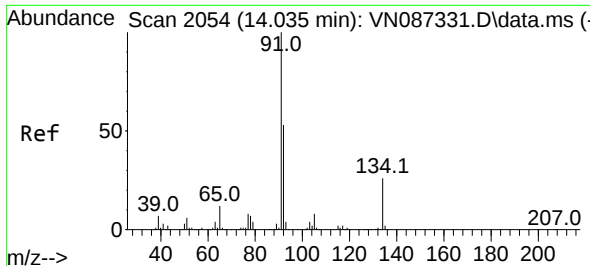
Delta R.T. 0.000 min

Lab File: VN087578.D

Acq: 15 Aug 2025 13:52

Tgt Ion:	146	Resp:	2238
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.6	58.7#
148	0.0	31.4	94.0#

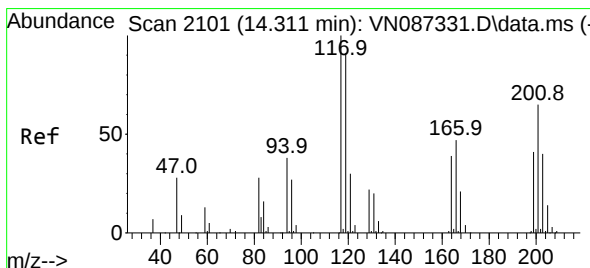
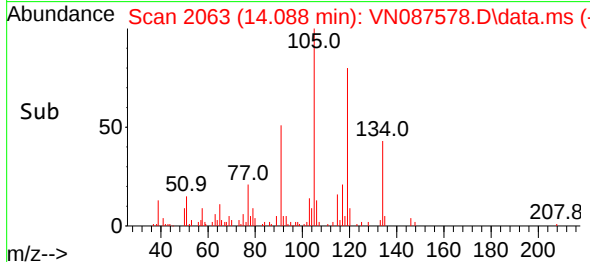
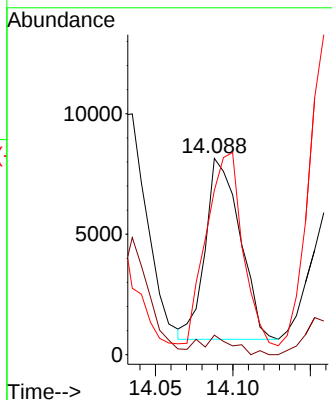
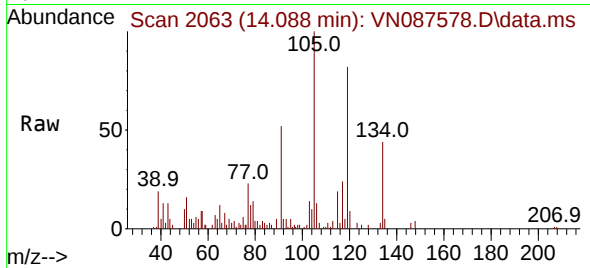




#89
n-Butylbenzene
Concen: 1.013 ug/l
RT: 14.088 min Scan# 2054
Delta R.T. 0.053 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

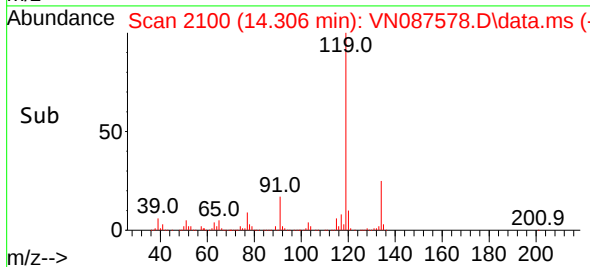
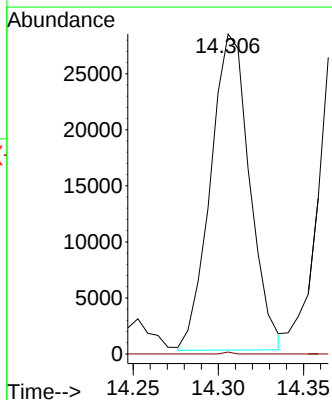
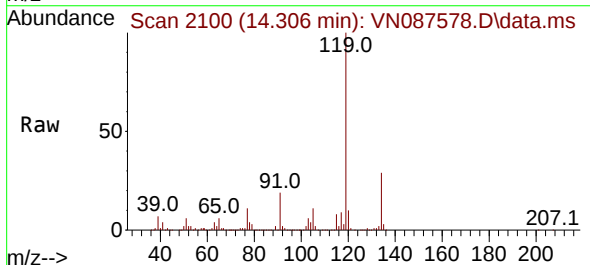
Instrument :
MSVOA_N
ClientSampleId :

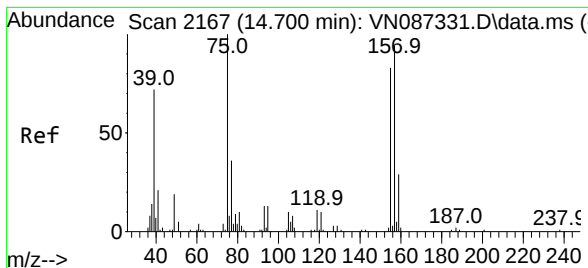
Tgt Ion: 91 Resp: 11724
Ion Ratio Lower Upper
91 100
92 9.8 26.2 78.6#
134 110.8 12.4 37.2#



#90
Hexachloroethane
Concen: 17.570 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Tgt Ion: 117 Resp: 45133
Ion Ratio Lower Upper
117 100
201 0.1 32.8 98.4#

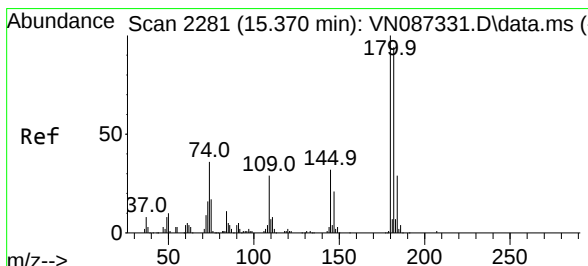
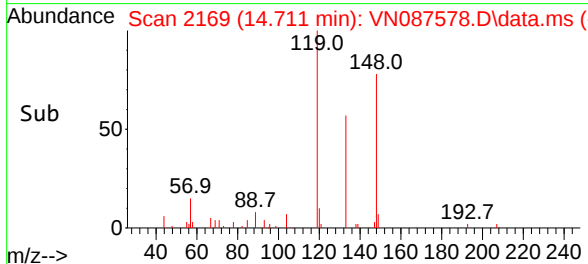
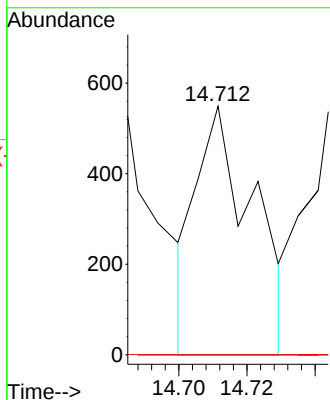
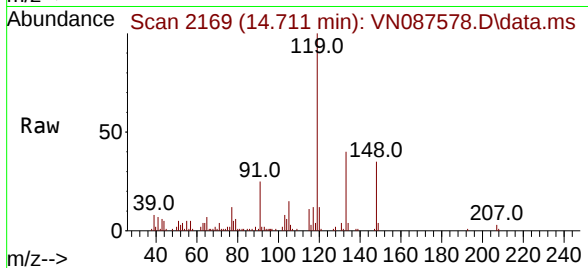




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.457 ug/l
 RT: 14.711 min Scan# 2169
 Delta R.T. 0.012 min
 Lab File: VN087578.D
 Acq: 15 Aug 2025 13:52

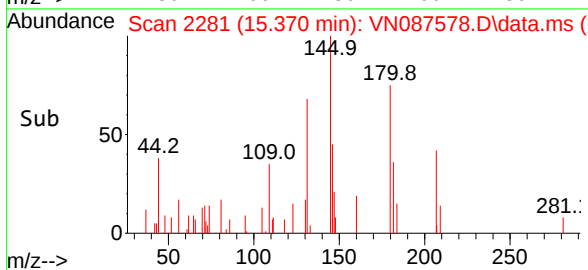
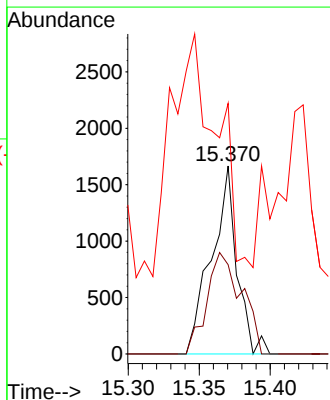
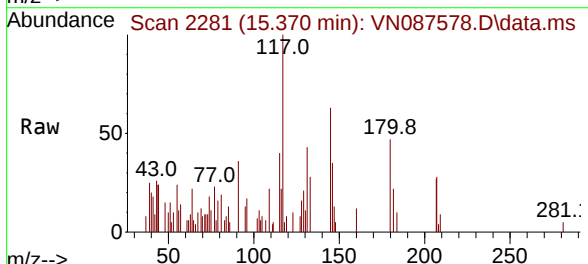
Instrument :
 MSVOA_N
 ClientSampleId :

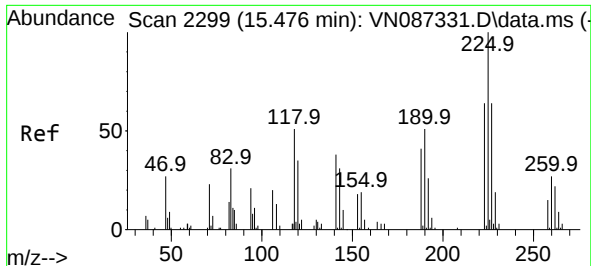
Tgt Ion: 75 Resp: 637
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.3 111.8#
 157 0.0 46.2 138.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.519 ug/l
 RT: 15.370 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: VN087578.D
 Acq: 15 Aug 2025 13:52

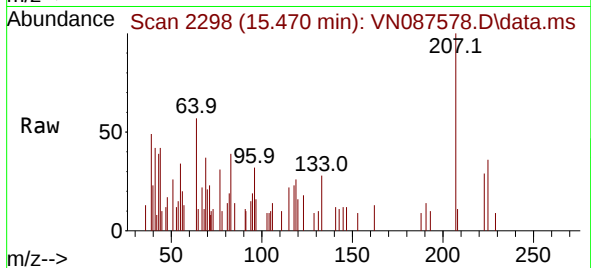
Tgt Ion: 180 Resp: 2075
 Ion Ratio Lower Upper
 180 100
 182 73.4 47.3 141.8
 145 0.0 15.4 46.4#



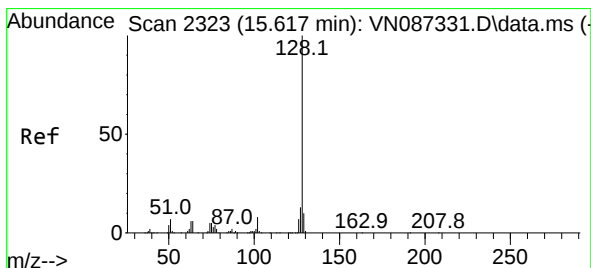
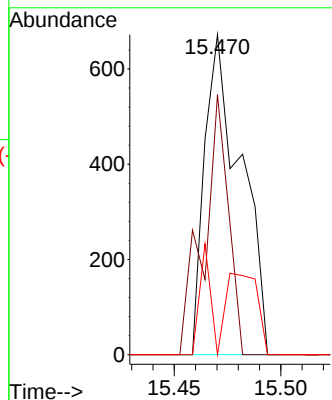
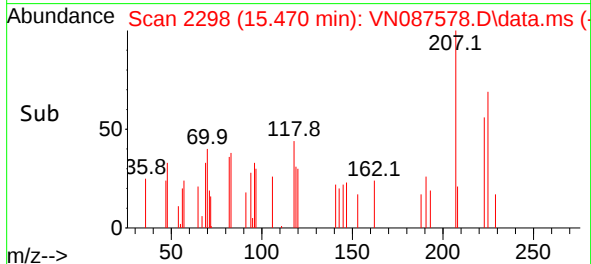


#94
Hexachlorobutadiene
Concen: 0.534 ug/l
RT: 15.470 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :

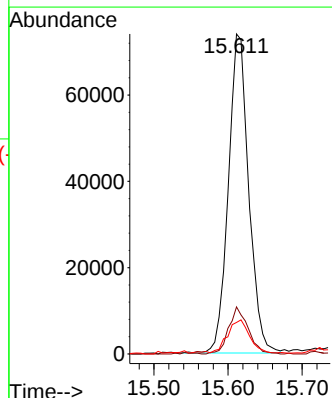
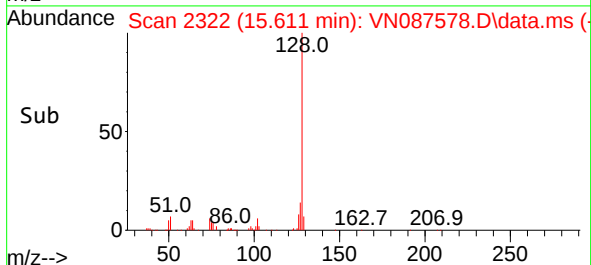
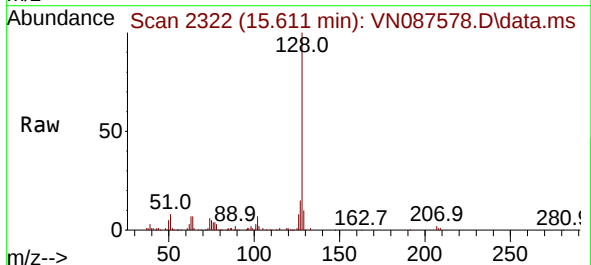


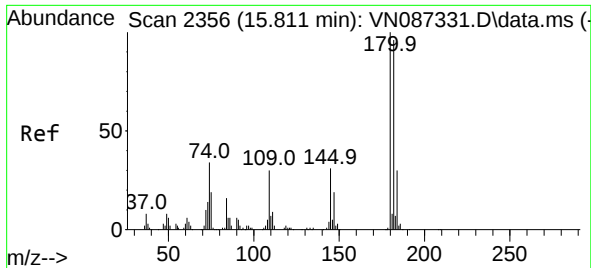
Tgt Ion:225 Resp: 793
Ion Ratio Lower Upper
225 100
223 55.2 32.1 96.3
227 10.3 31.3 93.9#



#95
Naphthalene
Concen: 9.960 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.006 min
Lab File: VN087578.D
Acq: 15 Aug 2025 13:52

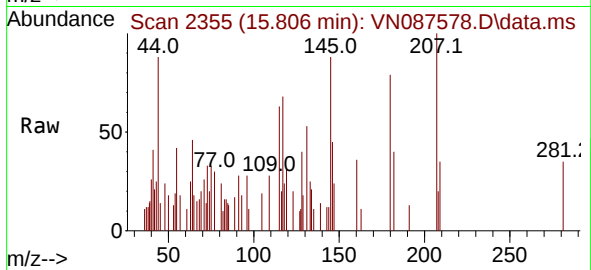
Tgt Ion:128 Resp: 141055
Ion Ratio Lower Upper
128 100
127 14.1 10.5 15.7
129 11.3 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 0.485 ug/l
 RT: 15.806 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN087578.D
 Acq: 15 Aug 2025 13:52

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1944
Ion	Ratio	Lower	Upper
180	100		
182	85.6	47.1	141.4
145	0.0	16.9	50.6#

