

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087588.D
 Acq On : 15 Aug 2025 17:29
 Operator : JC\MD
 Sample : Q2844-11
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 05:48:15 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)

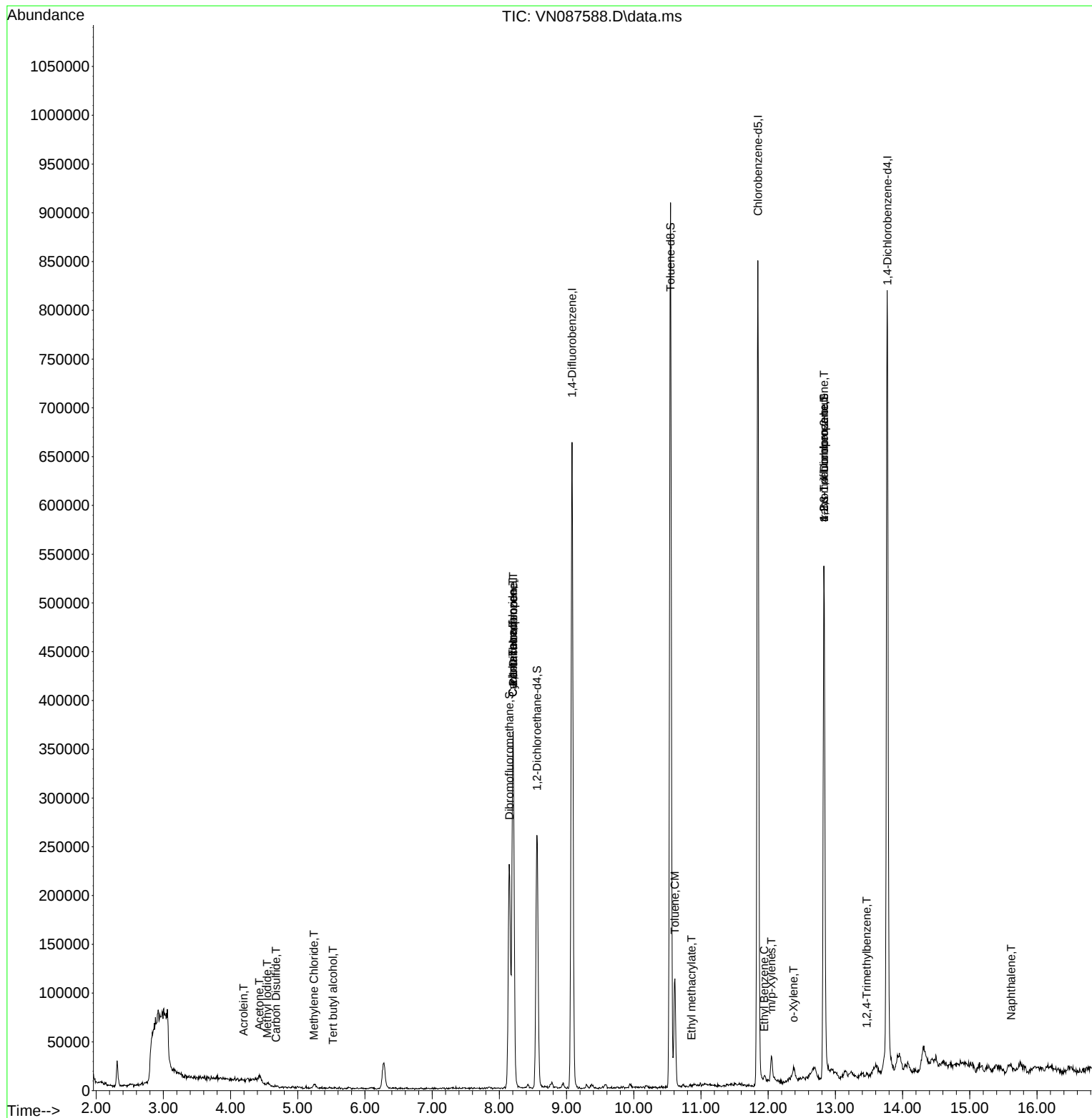
Internal Standards						
1) Pentafluorobenzene	8.206	168	247646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	548462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	463252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.776	152	209456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	220599	52.498	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.000%			
35) Dibromofluoromethane	8.147	113	163312	43.167	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 86.340%			
50) Toluene-d8	10.547	98	601560	44.575	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.160%			
62) 4-Bromofluorobenzene	12.829	95	190375	38.182	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 76.360%#			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.547	142	5949	7.688	ug/l #	82
11) Tert butyl alcohol	5.524	59	166	0.208	ug/l #	72
13) Acrolein	4.194	56	386	0.603	ug/l #	1
16) Acetone	4.430	43	8244	4.184	ug/l #	79
17) Carbon Disulfide	4.677	76	2649	0.316	ug/l #	71
20) Methylene Chloride	5.241	84	3441	0.398	ug/l #	75
31) Cyclohexane	8.200	56	7803	1.510	ug/l #	18
36) 1,1-Dichloropropene	8.206	75	24222	4.846	ug/l #	49
38) Carbon Tetrachloride	8.200	117	30578	5.553	ug/l #	14
52) Toluene	10.612	92	45018	4.585	ug/l	93
56) Ethyl methacrylate	10.859	69	695	0.741	ug/l #	17
67) Ethyl Benzene	11.941	91	5324	0.311	ug/l	97
68) m/p-Xylenes	12.047	106	7695	1.200	ug/l	82
69) o-Xylene	12.376	106	2685	0.438	ug/l	93
76) 1,2,3-Trichloropropane	12.829	75	116124	24.724	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	116124	67.648	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.464	105	3552	0.310	ug/l	82
95) Naphthalene	15.617	128	5031	0.380	ug/l #	88

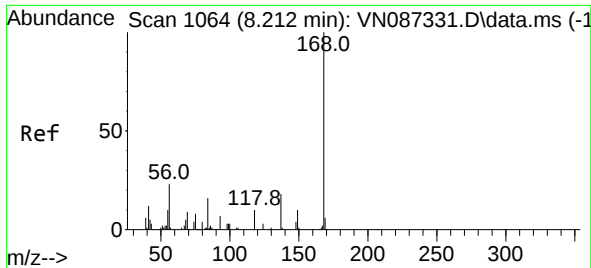
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

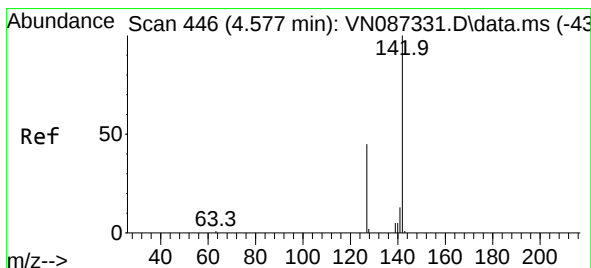
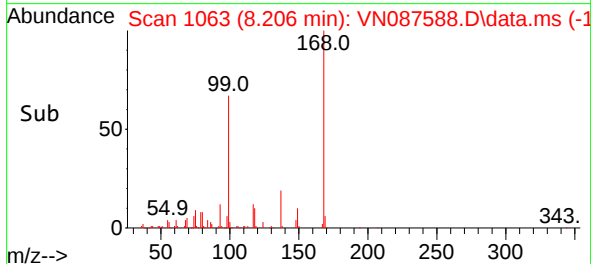
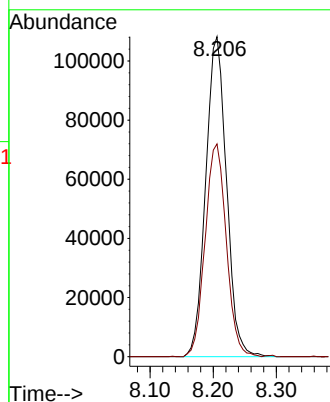
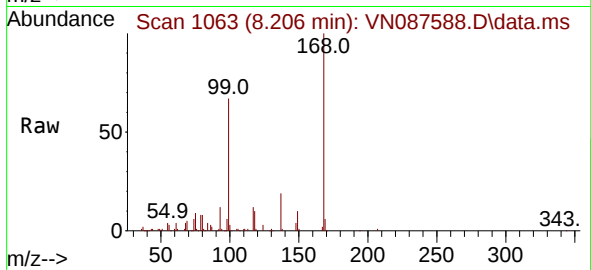




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

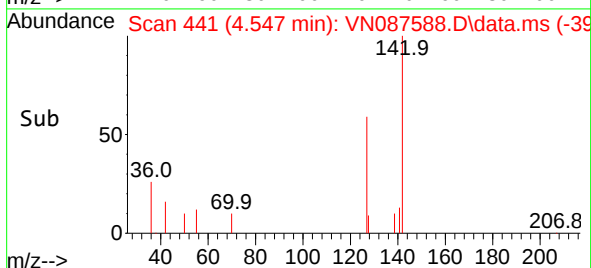
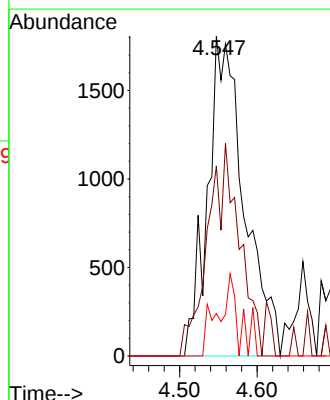
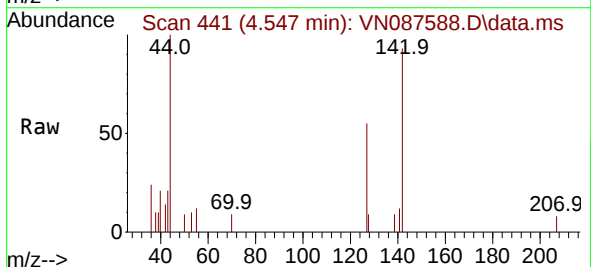
Instrument :
MSVOA_N
ClientSampleId :

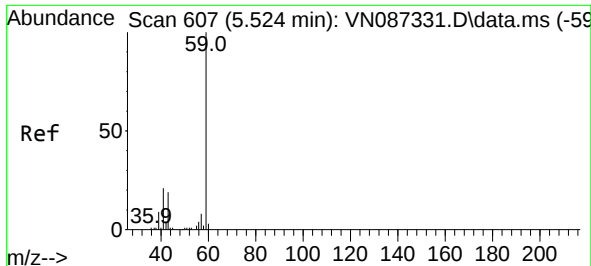
Tgt Ion:168 Resp: 247646
Ion Ratio Lower Upper
168 100
99 66.5 47.9 71.9



#10
Methyl Iodide
Concen: 7.688 ug/l
RT: 4.547 min Scan# 441
Delta R.T. -0.030 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

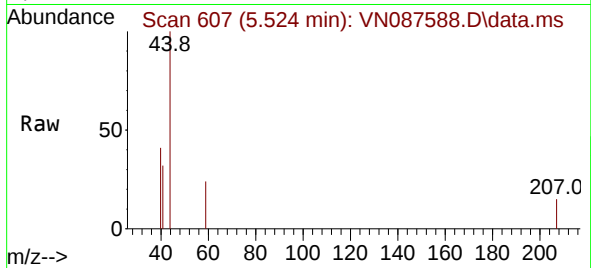
Tgt Ion:142 Resp: 5949
Ion Ratio Lower Upper
142 100
127 59.4 35.7 53.5#
141 13.3 10.4 15.6



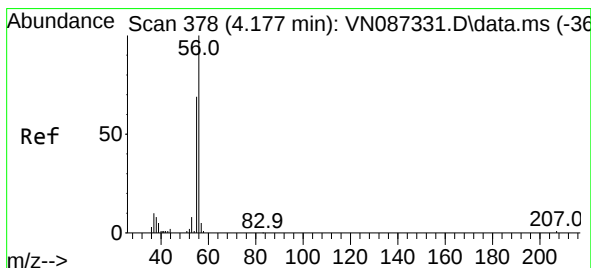
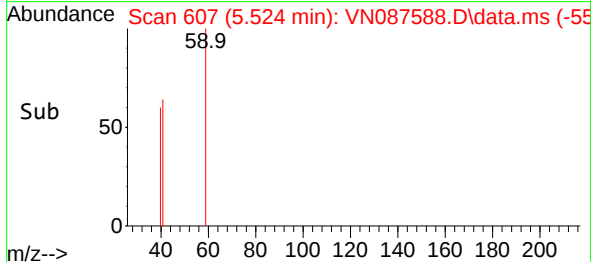
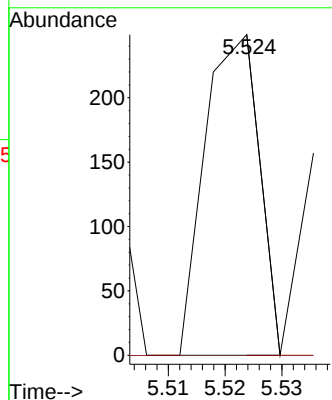


#11
Tert butyl alcohol
Concen: 0.208 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :

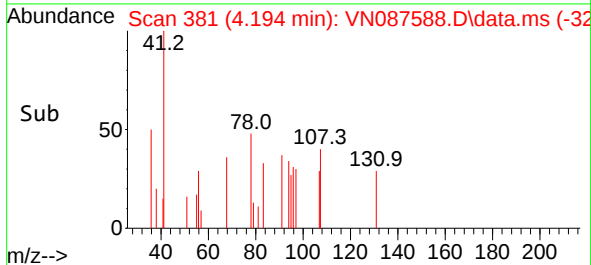
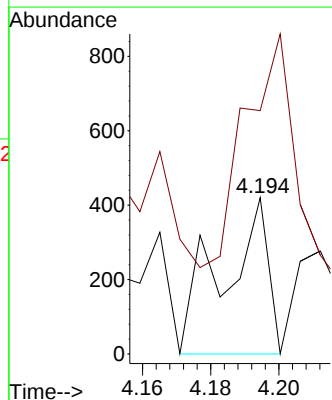
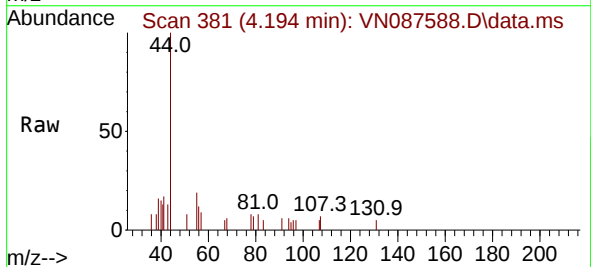


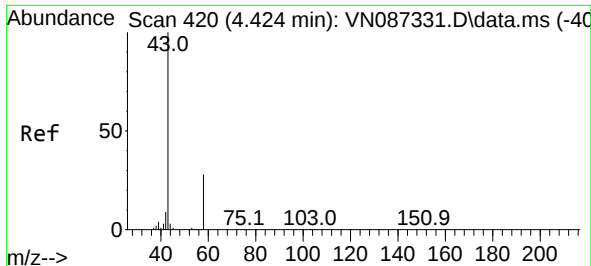
Tgt Ion: 59 Resp: 166
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.603 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

Tgt Ion: 56 Resp: 386
Ion Ratio Lower Upper
56 100
55 247.2 56.2 84.4#

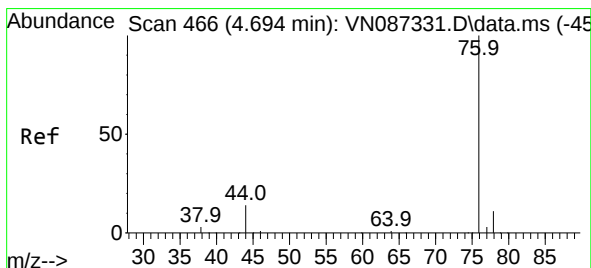
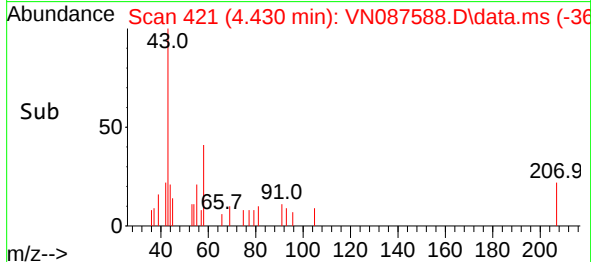
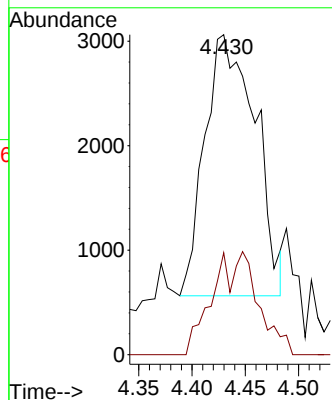
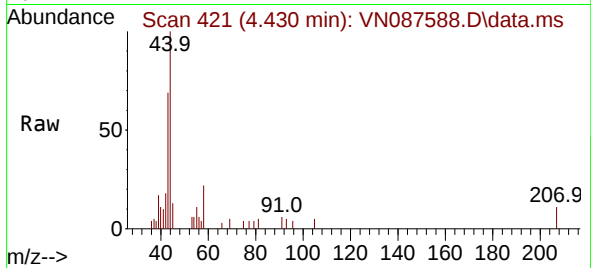




#16
Acetone
Concen: 4.184 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

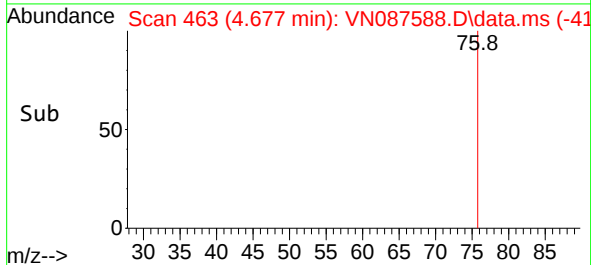
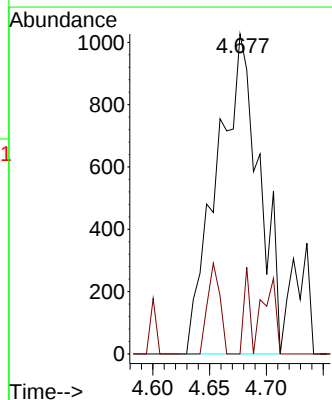
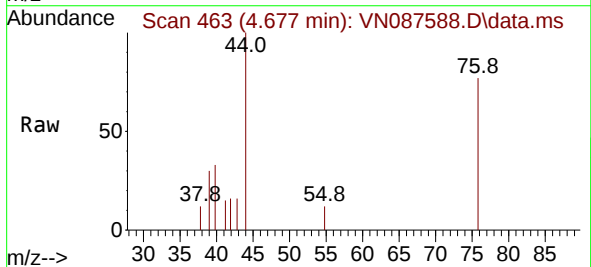
Instrument :
MSVOA_N
ClientSampleId :

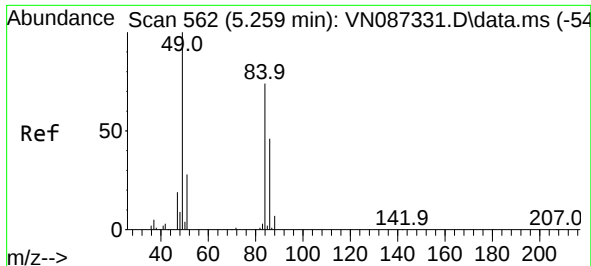
Tgt Ion: 43 Resp: 8244
Ion Ratio Lower Upper
43 100
58 39.0 22.3 33.5#



#17
Carbon Disulfide
Concen: 0.316 ug/l
RT: 4.677 min Scan# 463
Delta R.T. -0.017 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

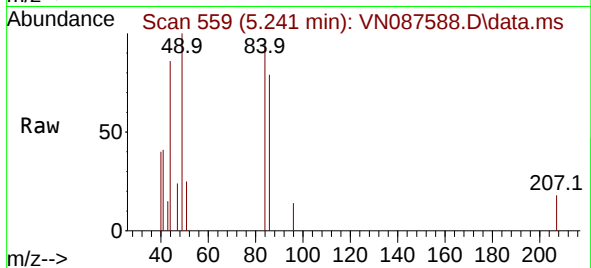
Tgt Ion: 76 Resp: 2649
Ion Ratio Lower Upper
76 100
78 0.0 8.6 13.0#



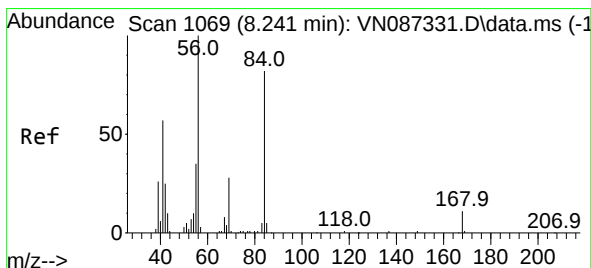
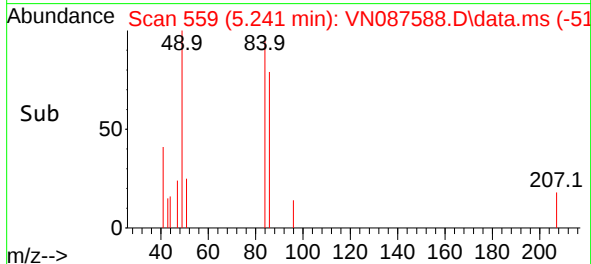
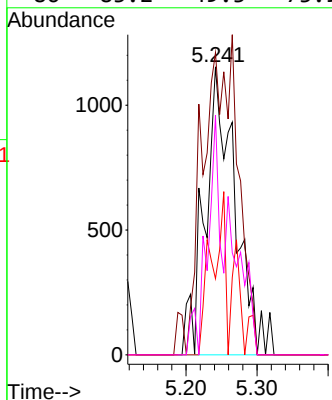


#20
Methylene Chloride
Concen: 0.398 ug/l
RT: 5.241 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :

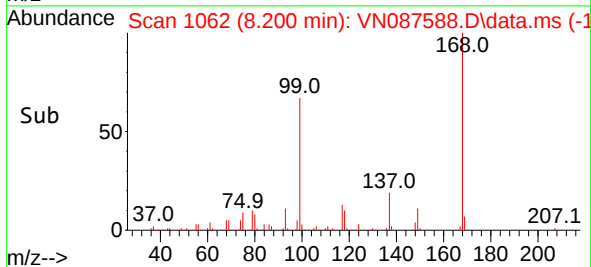
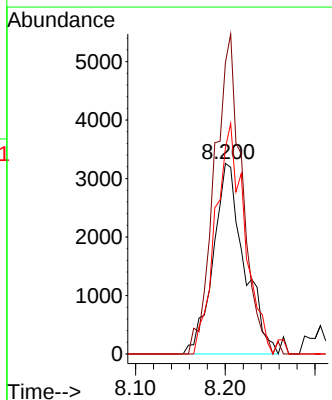
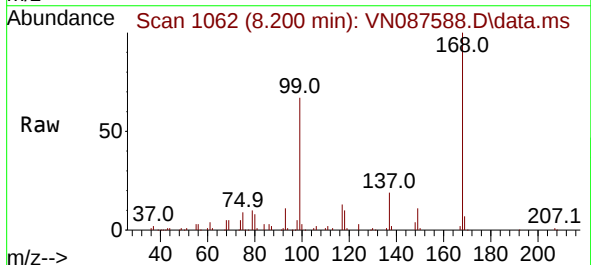


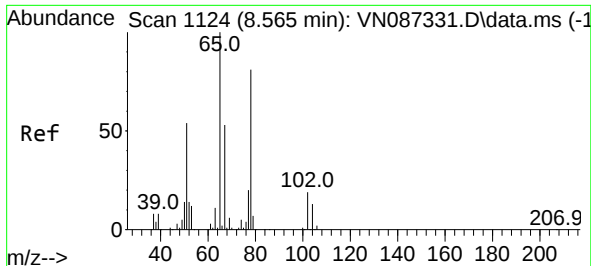
Tgt Ion:	84	Resp:	3441
Ion	Ratio	Lower	Upper
84	100		
49	104.9	107.5	161.3#
51	26.4	30.2	45.2#
86	83.2	49.3	73.9#



#31
Cyclohexane
Concen: 1.510 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.041 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

Tgt Ion:	56	Resp:	7803
Ion	Ratio	Lower	Upper
56	100		
69	152.8	22.7	34.1#
84	108.0	65.8	98.6#

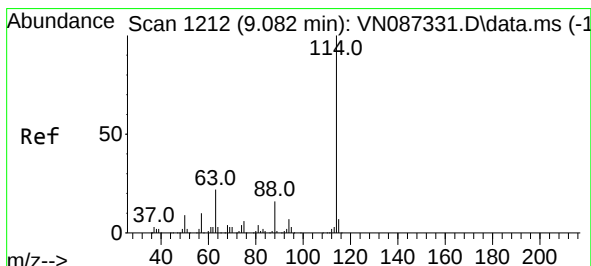
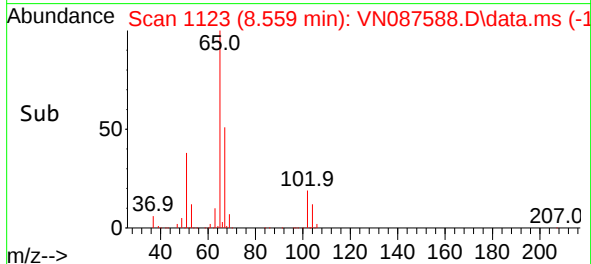
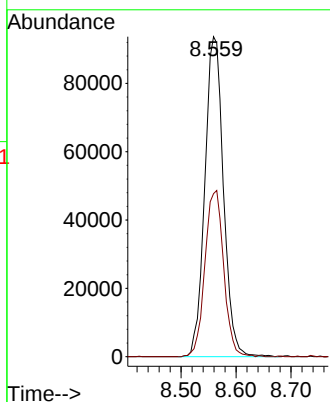
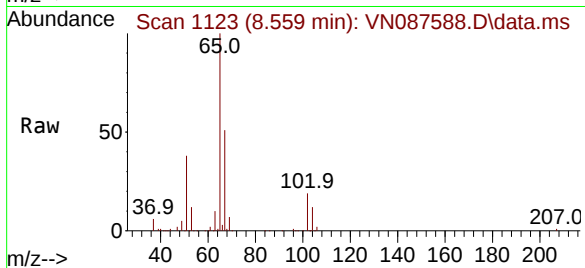




#33
 1,2-Dichloroethane-d4
 Concen: 52.498 ug/l
 RT: 8.559 min Scan# 1124
 Delta R.T. -0.006 min
 Lab File: VN087588.D
 Acq: 15 Aug 2025 17:29

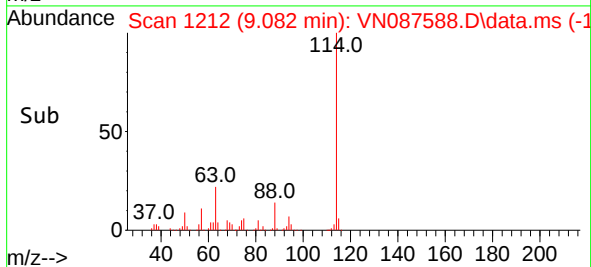
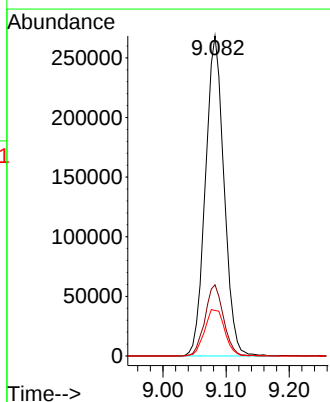
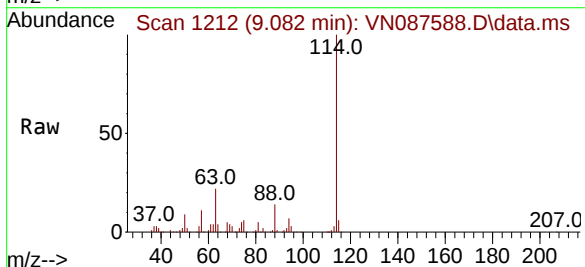
Instrument :
 MSVOA_N
 ClientSampleId :

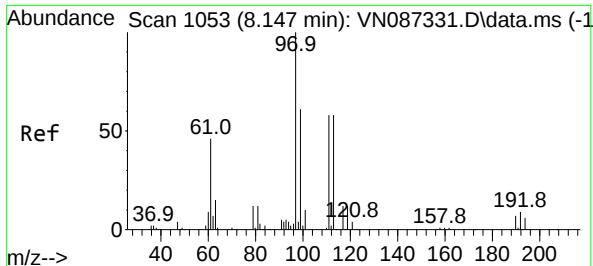
Tgt Ion: 65 Resp: 220599
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.082 min Scan# 1212
 Delta R.T. 0.000 min
 Lab File: VN087588.D
 Acq: 15 Aug 2025 17:29

Tgt Ion: 114 Resp: 548462
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.6
 88 14.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 43.167 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087588.D

Acq: 15 Aug 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

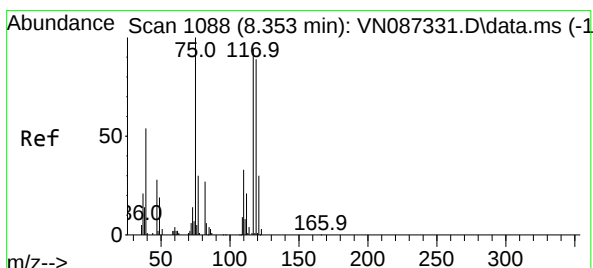
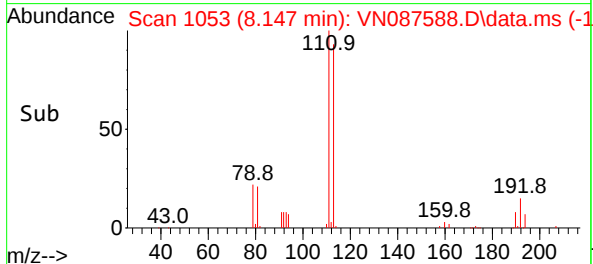
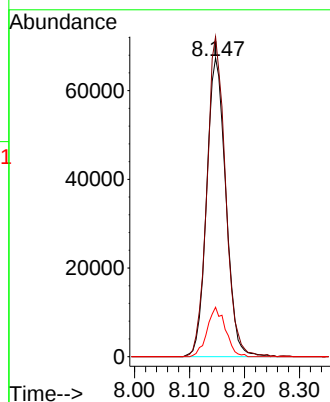
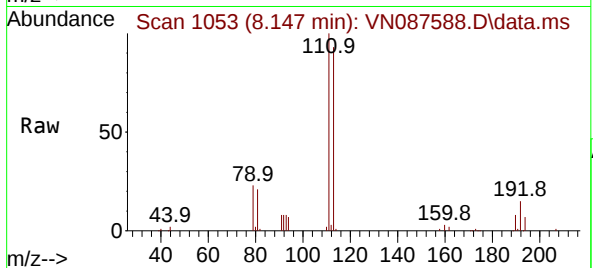
Tgt Ion:113 Resp: 163312

Ion Ratio Lower Upper

113 100

111 103.9 82.5 123.7

192 15.8 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.846 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087588.D

Acq: 15 Aug 2025 17:29

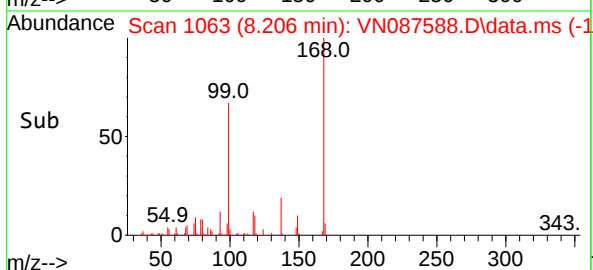
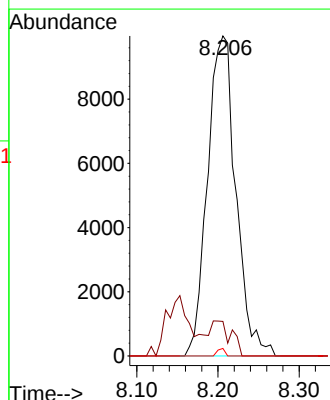
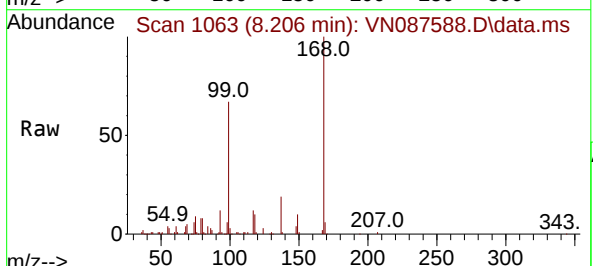
Tgt Ion: 75 Resp: 24222

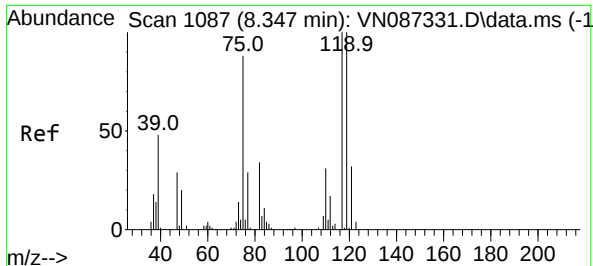
Ion Ratio Lower Upper

75 100

110 7.4 16.7 50.1#

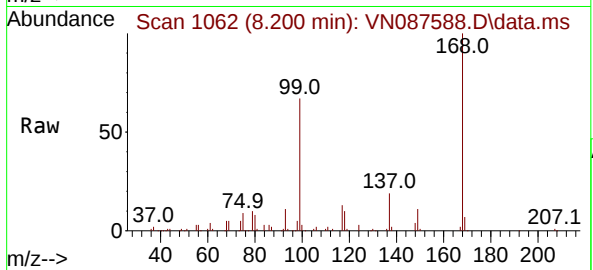
77 0.6 25.2 37.8#



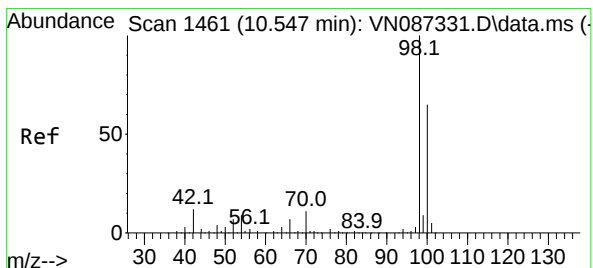
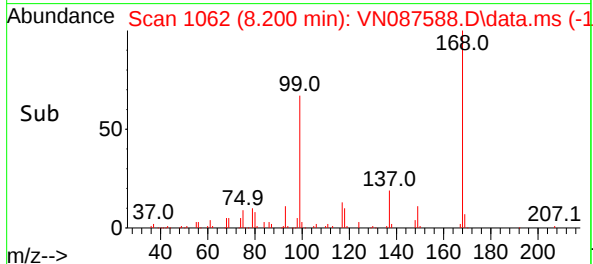
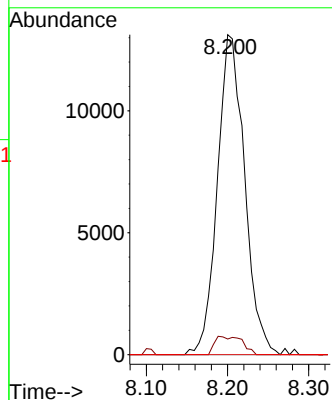


#38
Carbon Tetrachloride
Concen: 5.553 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.147 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :

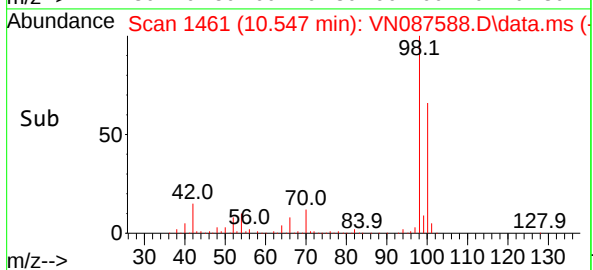
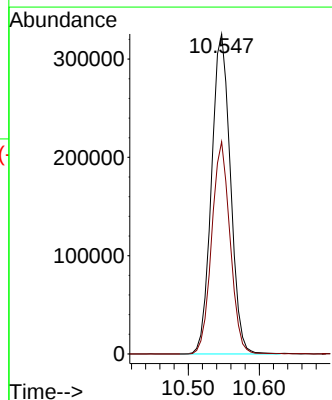
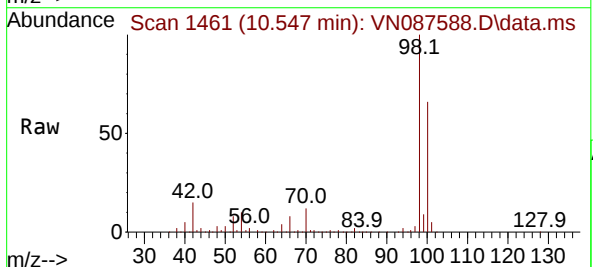


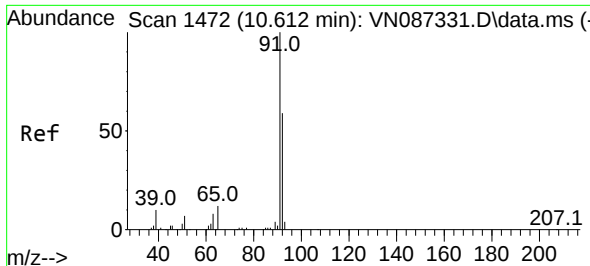
Tgt Ion:117 Resp: 30578
Ion Ratio Lower Upper
117 100
119 4.9 80.2 120.2#
121 0.0 25.4 38.2#



#50
Toluene-d8
Concen: 44.575 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

Tgt Ion: 98 Resp: 601560
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

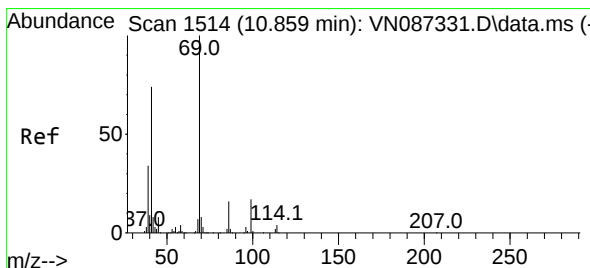
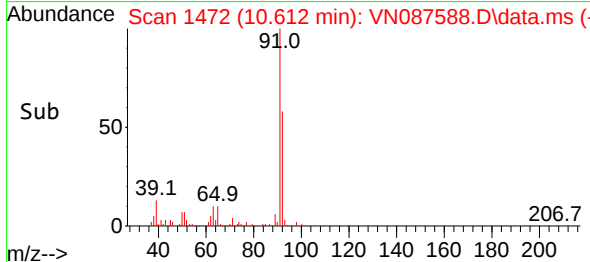
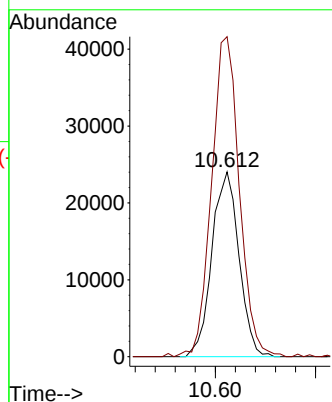
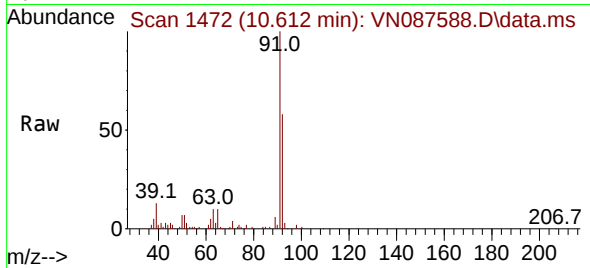




#52
Toluene
Concen: 4.585 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

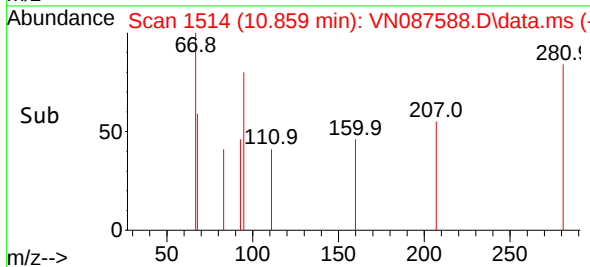
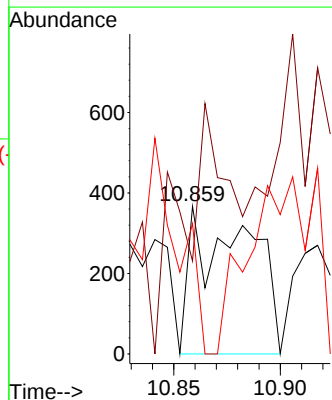
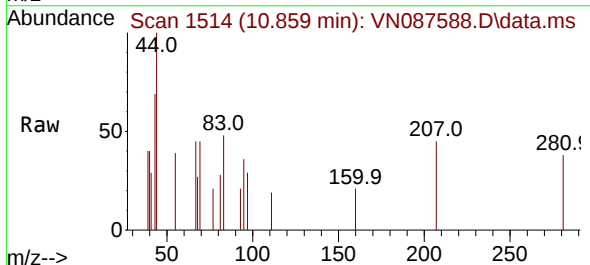
Instrument :
MSVOA_N
ClientSampleId :

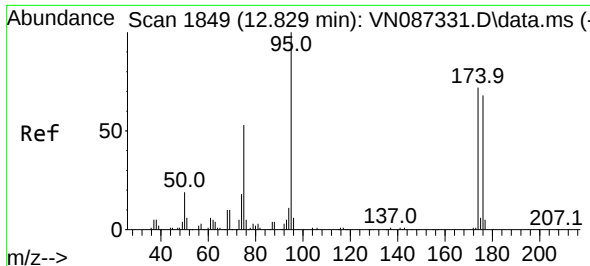
Tgt Ion: 92 Resp: 45018
Ion Ratio Lower Upper
92 100
91 177.9 135.1 202.7



#56
Ethyl methacrylate
Concen: 0.741 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

Tgt Ion: 69 Resp: 695
Ion Ratio Lower Upper
69 100
41 145.6 55.1 82.7#
39 0.0 27.9 41.9#

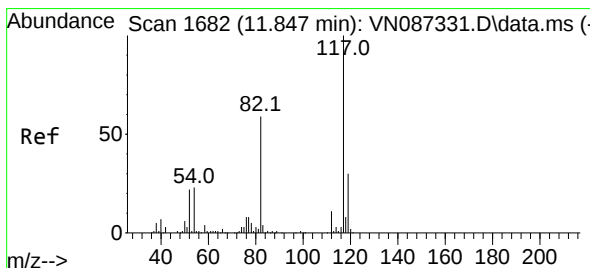
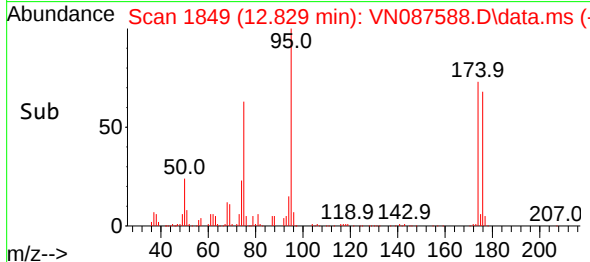
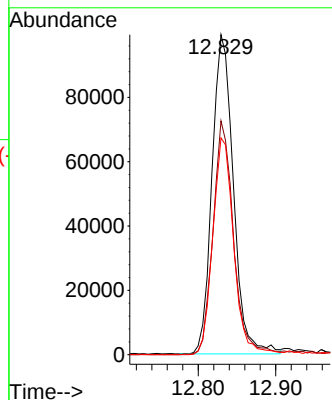
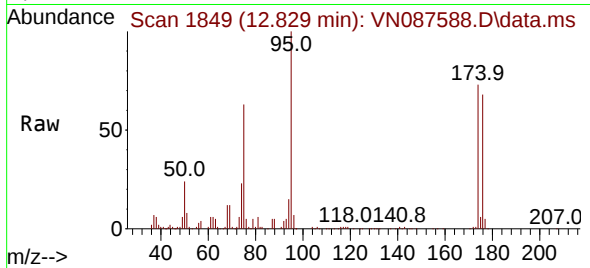




#62
4-Bromofluorobenzene
Concen: 38.182 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

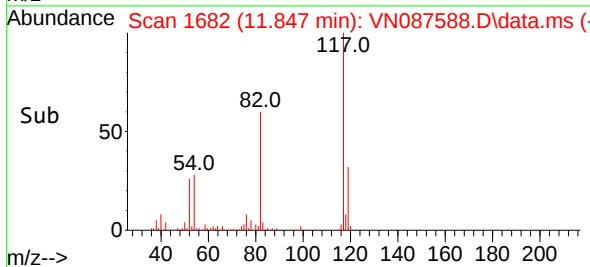
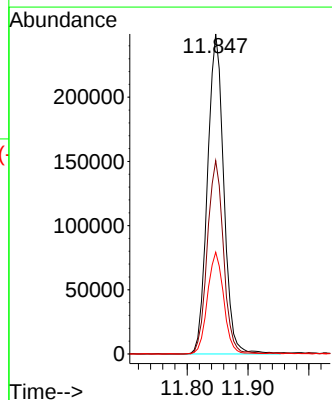
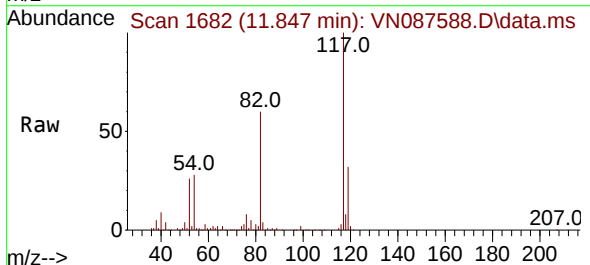
Instrument :
MSVOA_N
ClientSampleId :

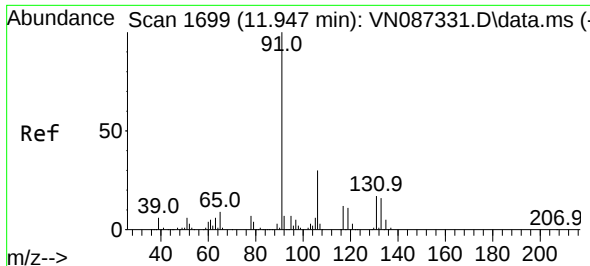
Tgt Ion: 95 Resp: 190375
Ion Ratio Lower Upper
95 100
174 70.7 0.0 149.4
176 66.3 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

Tgt Ion: 117 Resp: 463252
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 31.8 23.8 35.8

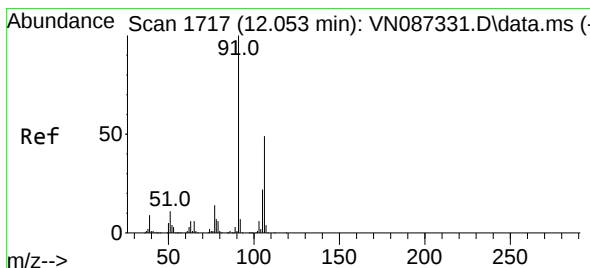
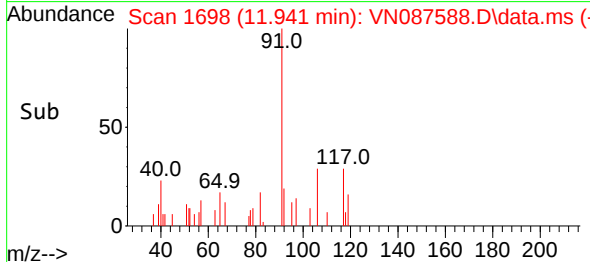
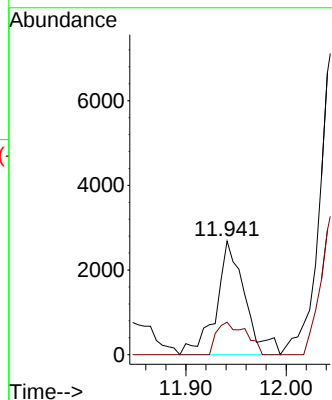
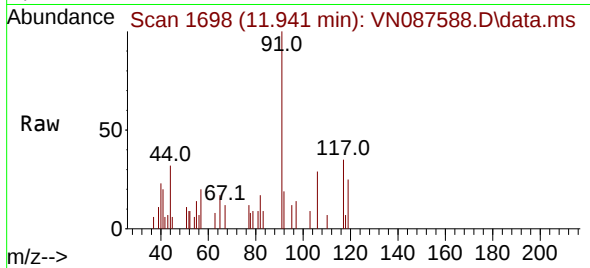




#67
Ethyl Benzene
Concen: 0.311 ug/l
RT: 11.941 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

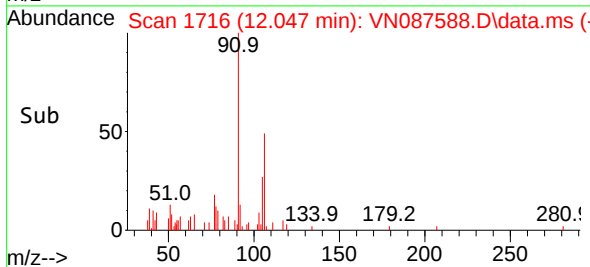
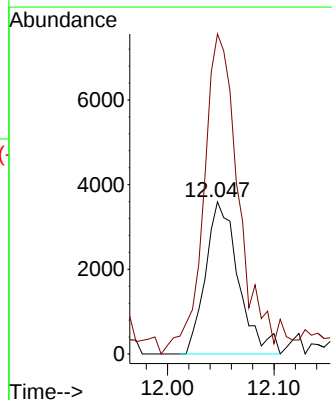
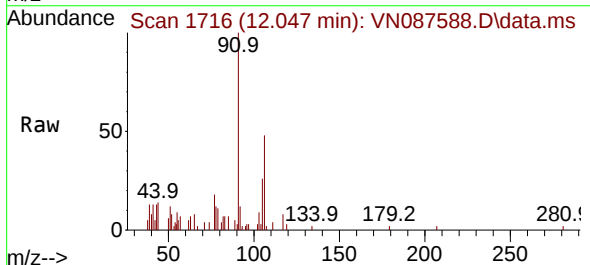
Instrument :
MSVOA_N
ClientSampleId :

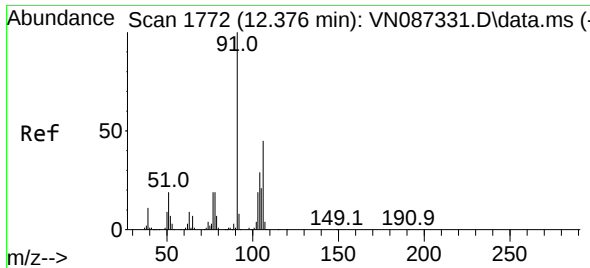
Tgt Ion: 91 Resp: 5324
Ion Ratio Lower Upper
91 100
106 28.6 24.3 36.5



#68
m/p-Xylenes
Concen: 1.200 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

Tgt Ion: 106 Resp: 7695
Ion Ratio Lower Upper
106 100
91 230.4 162.0 243.0

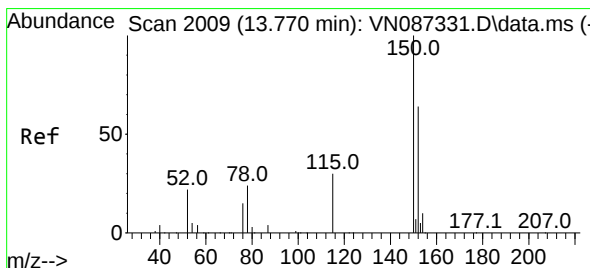
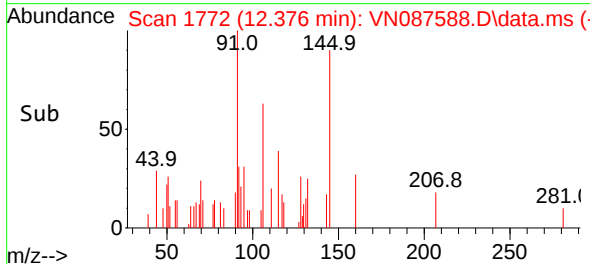
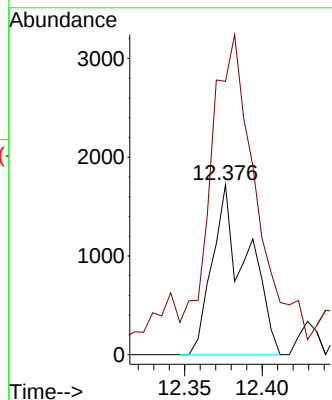
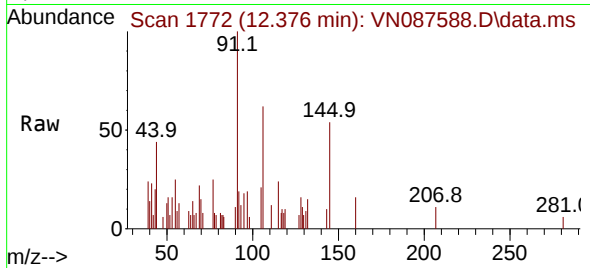




#69
o-Xylene
Concen: 0.438 ug/l
RT: 12.376 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

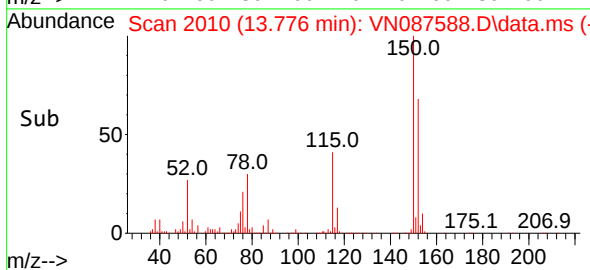
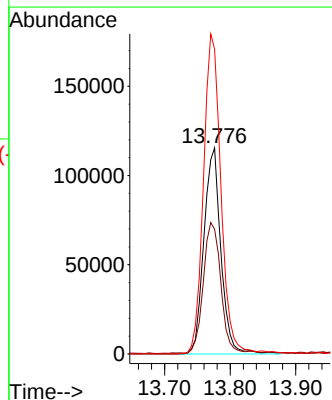
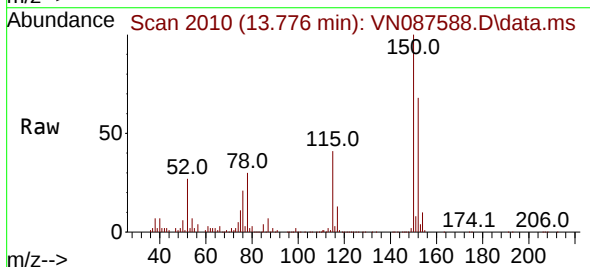
Instrument :
MSVOA_N
ClientSampleId :

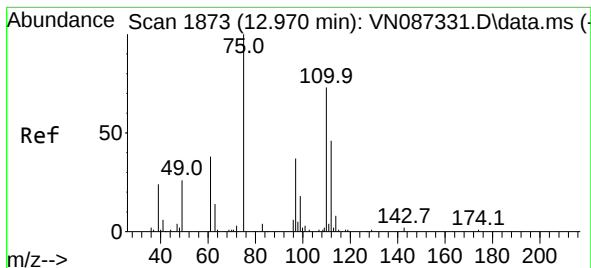
Tgt Ion:106 Resp: 2685
Ion Ratio Lower Upper
106 100
91 226.3 107.7 323.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.776 min Scan# 2010
Delta R.T. 0.006 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

Tgt Ion:152 Resp: 209456
Ion Ratio Lower Upper
152 100
115 64.5 31.1 93.5
150 159.4 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 24.724 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087588.D

Acq: 15 Aug 2025 17:29

Instrument :

MSVOA_N

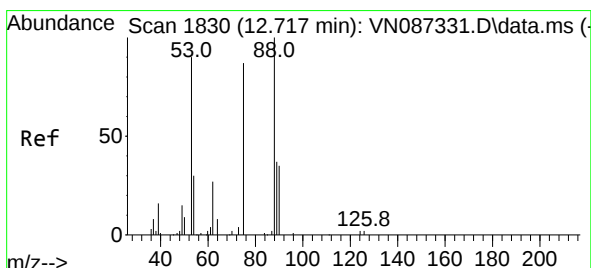
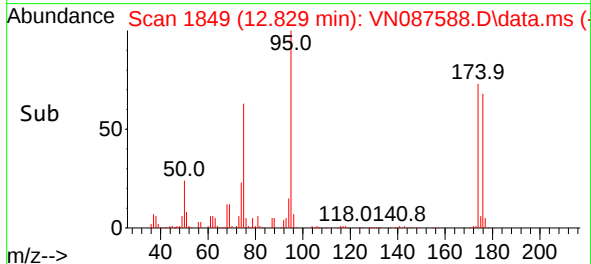
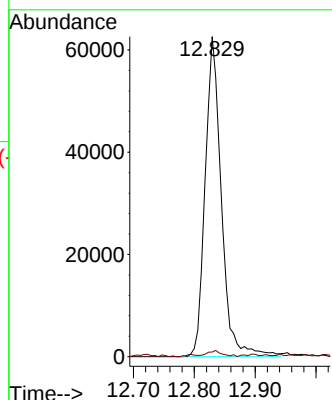
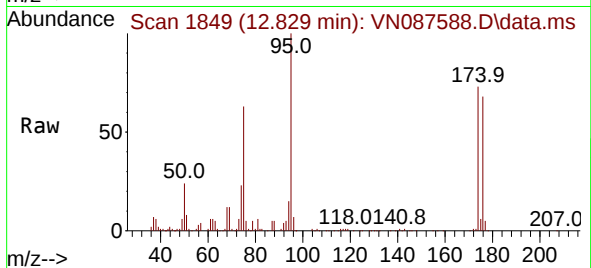
ClientSampleId :

Tgt Ion: 75 Resp: 116124

Ion Ratio Lower Upper

75 100

77 1.8 94.5 283.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.648 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN087588.D

Acq: 15 Aug 2025 17:29

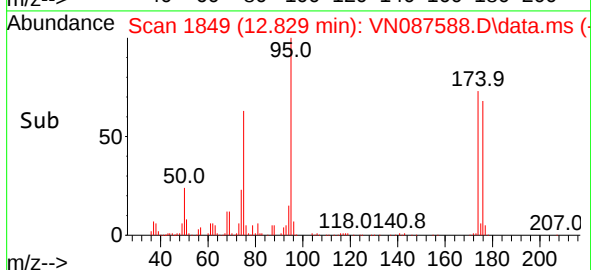
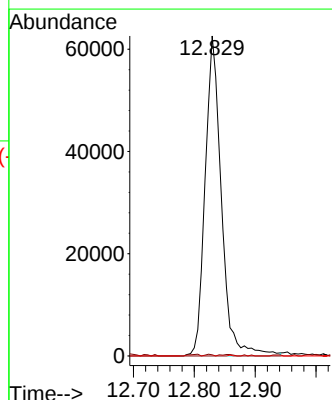
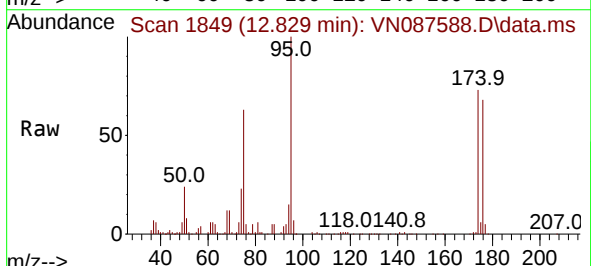
Tgt Ion: 75 Resp: 116124

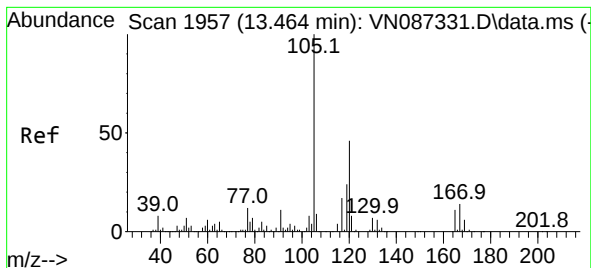
Ion Ratio Lower Upper

75 100

53 0.2 83.5 125.3#

89 0.0 38.4 57.6#





#84

1,2,4-Trimethylbenzene

Concen: 0.310 ug/l

RT: 13.464 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VN087588.D

Acq: 15 Aug 2025 17:29

Instrument :

MSVOA_N

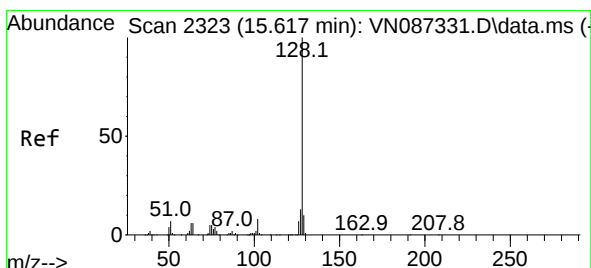
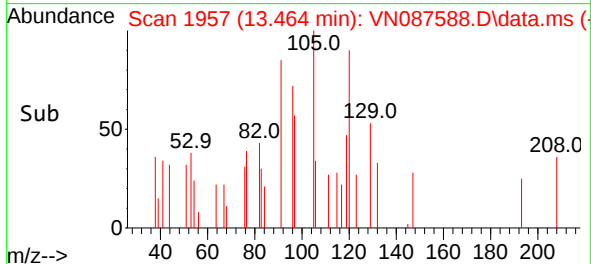
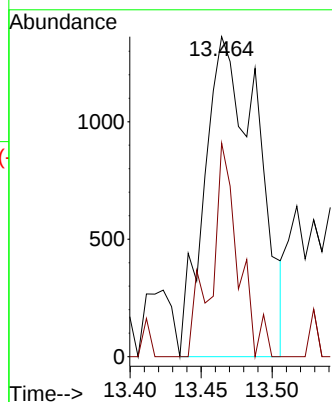
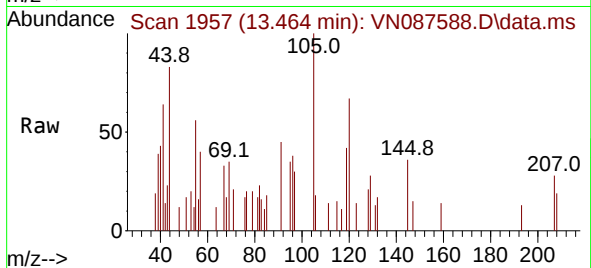
ClientSampleId :

Tgt Ion:105 Resp: 3552

Ion Ratio Lower Upper

105 100

120 33.5 22.8 68.3



#95

Naphthalene

Concen: 0.380 ug/l

RT: 15.617 min Scan# 2323

Delta R.T. 0.000 min

Lab File: VN087588.D

Acq: 15 Aug 2025 17:29

Tgt Ion:128 Resp: 5031

Ion Ratio Lower Upper

128 100

127 6.6 10.5 15.7#

129 7.8 8.4 12.6#

