

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087575.D
 Acq On : 15 Aug 2025 11:12
 Operator : JC\MD
 Sample : VN0815WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 05:40:59 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)

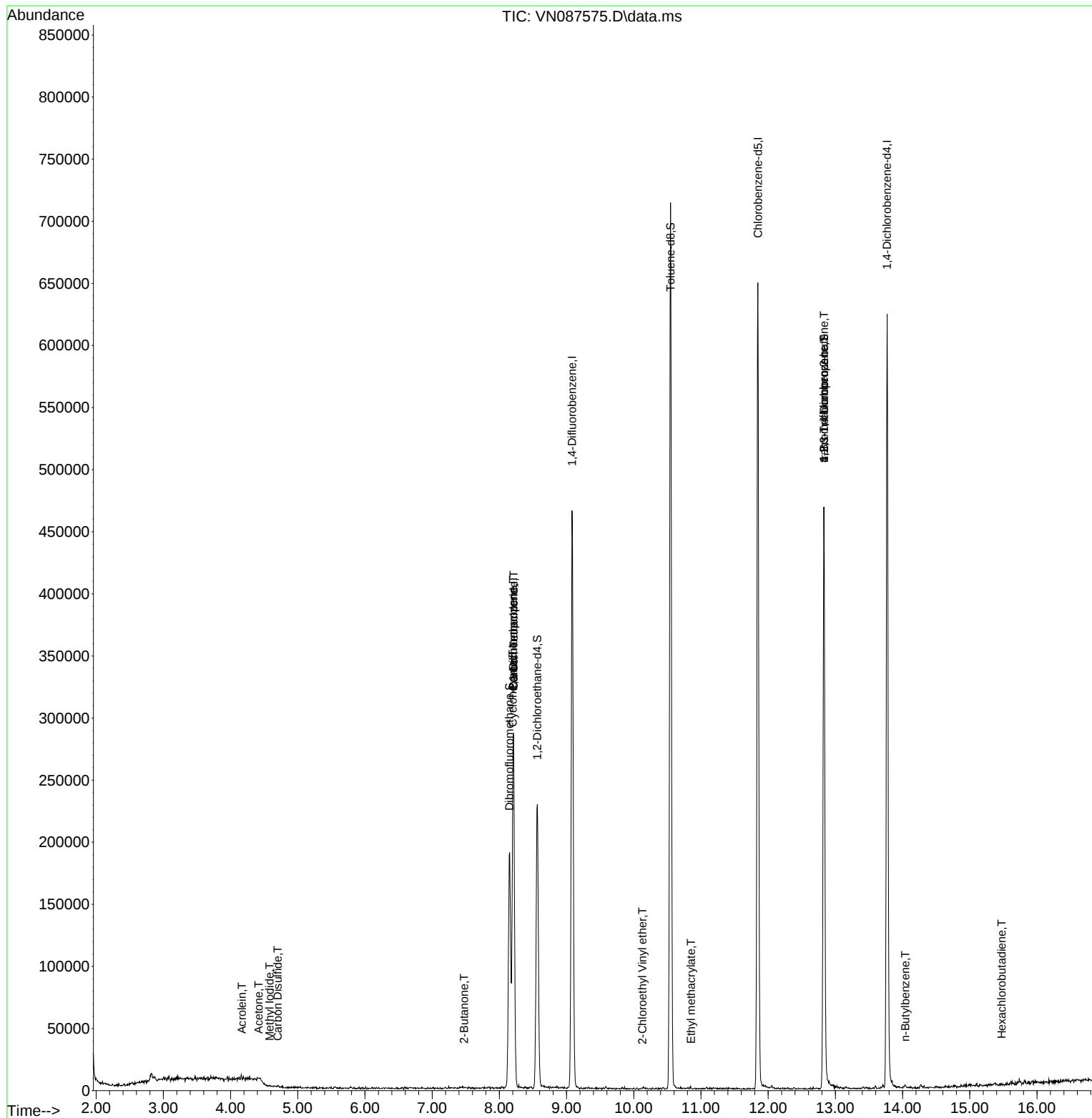
Internal Standards						
1) Pentafluorobenzene	8.206	168	192276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	377502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	347368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	154069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	196309	60.171	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 120.340%		
35) Dibromofluoromethane	8.147	113	131619	50.545	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.080%		
50) Toluene-d8	10.547	98	471339	50.743	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.480%		
62) 4-Bromofluorobenzene	12.829	95	164464	47.924	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 95.840%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.583	142	166	5.705	ug/l #	40
13) Acrolein	4.171	56	237	0.477	ug/l #	1
16) Acetone	4.418	43	1385	0.905	ug/l	98
17) Carbon Disulfide	4.700	76	1309	0.201	ug/l #	71
20) Methylene Chloride	5.259	84	326	Below Cal	#	66
25) 2-Butanone	7.477	43	613	0.259	ug/l #	51
31) Cyclohexane	8.200	56	6722	1.676	ug/l #	46
36) 1,1-Dichloropropene	8.206	75	19261	5.599	ug/l #	50
38) Carbon Tetrachloride	8.212	117	22523	5.943	ug/l #	15
56) Ethyl methacrylate	10.853	69	61	0.648	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.129	63	468	0.209	ug/l #	48
76) 1,2,3-Trichloropropane	12.829	75	97367	28.183	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	97367	77.112	ug/l #	8
89) n-Butylbenzene	14.041	91	1710	0.215	ug/l #	82
94) Hexachlorobutadiene	15.476	225	290	0.284	ug/l #	54

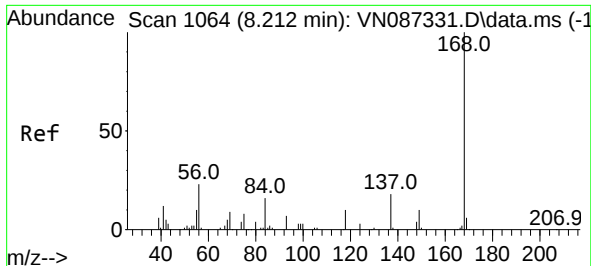
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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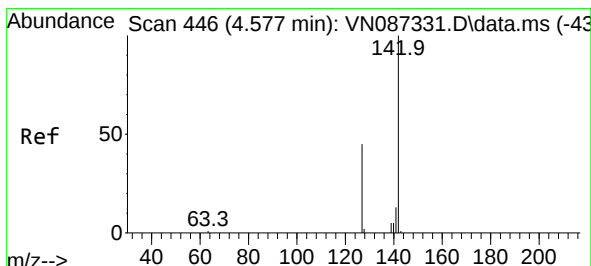
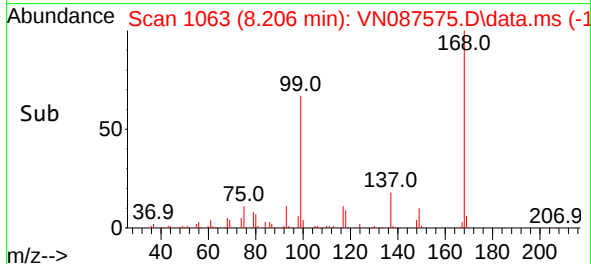
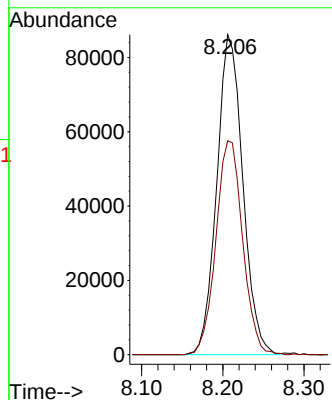
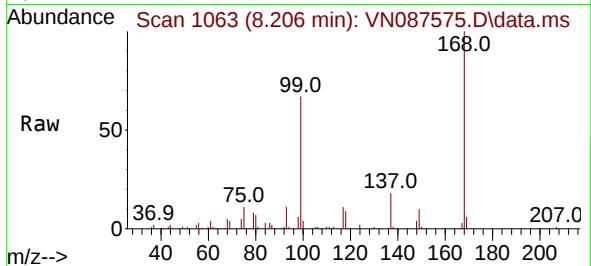




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

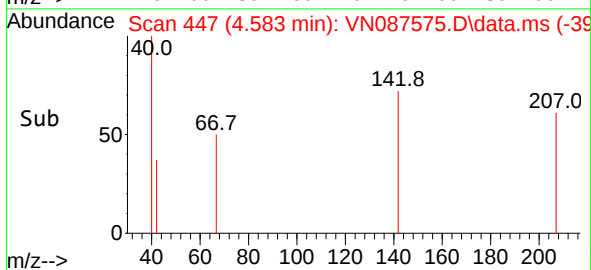
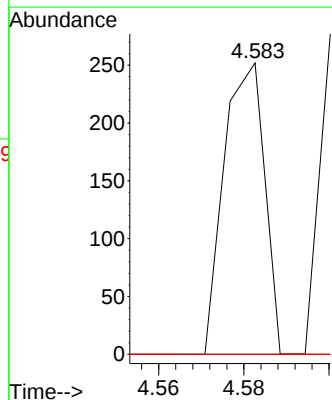
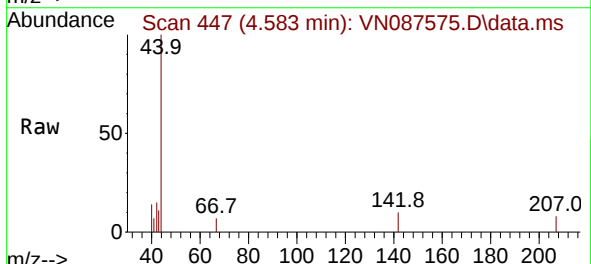
Instrument :
MSVOA_N
ClientSampleId :

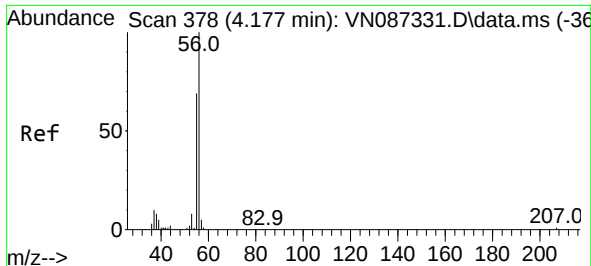
Tgt Ion:168 Resp: 192276
Ion Ratio Lower Upper
168 100
99 66.9 47.9 71.9



#10
Methyl Iodide
Concen: 5.705 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.006 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

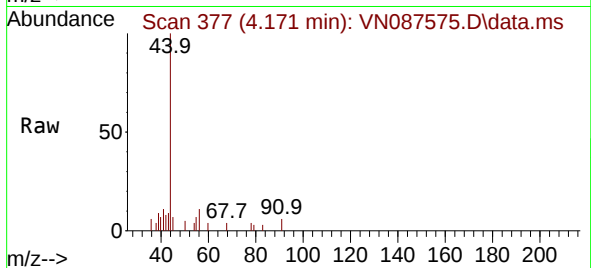
Tgt Ion:142 Resp: 166
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#



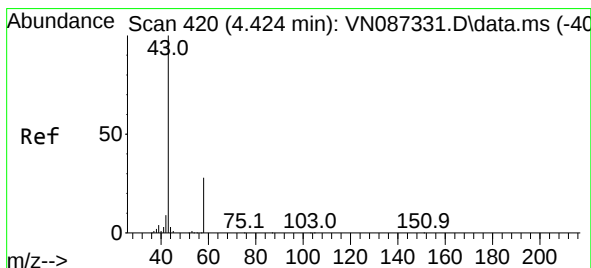
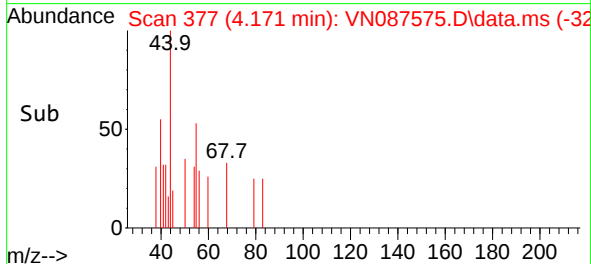
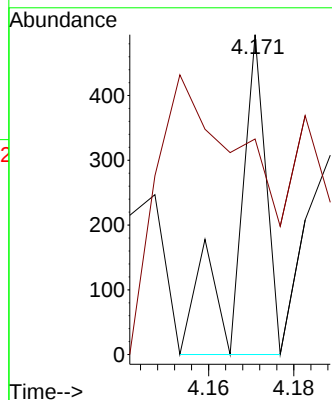


#13
Acrolein
Concen: 0.477 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :

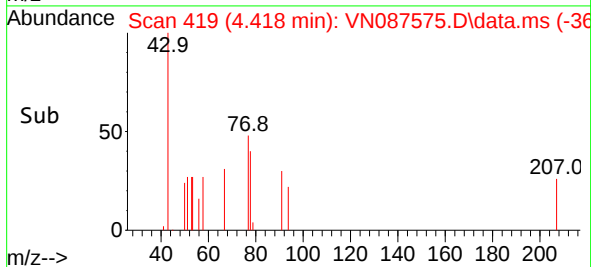
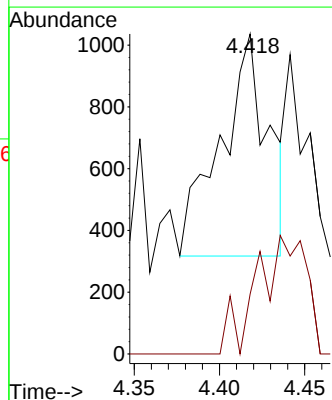
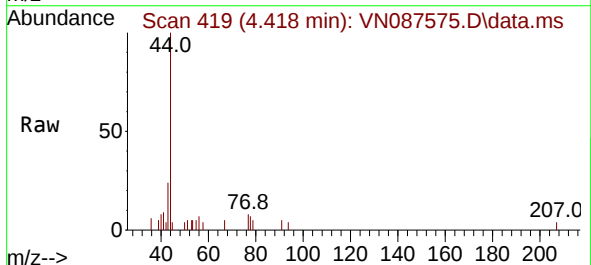


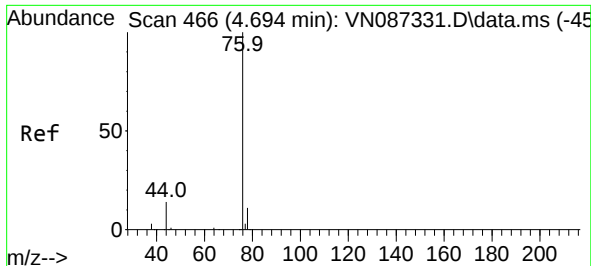
Tgt Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
55 282.7 56.2 84.4#



#16
Acetone
Concen: 0.905 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

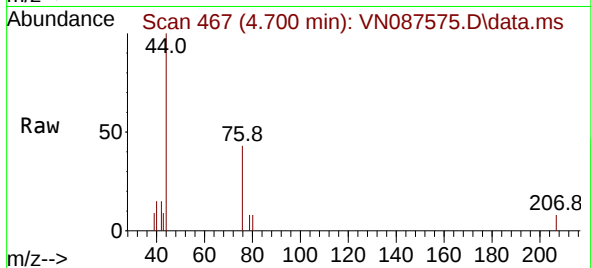
Tgt Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
58 27.0 22.3 33.5



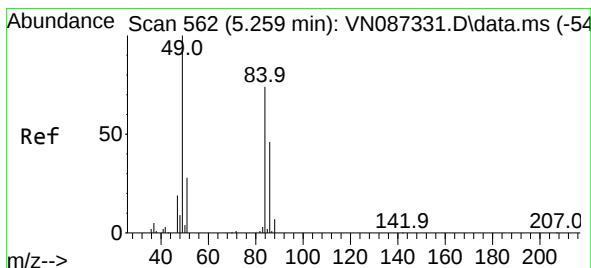
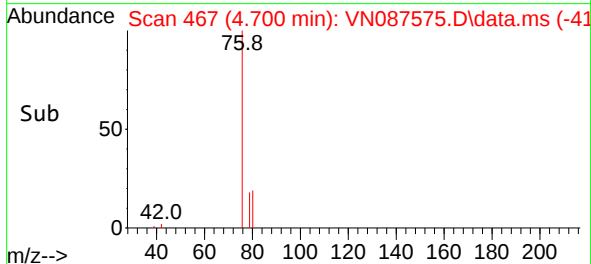
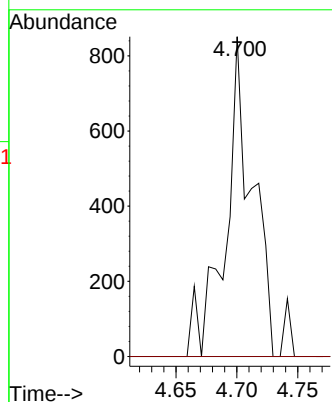


#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 4.700 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :

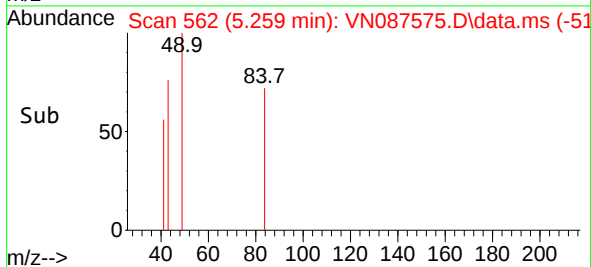
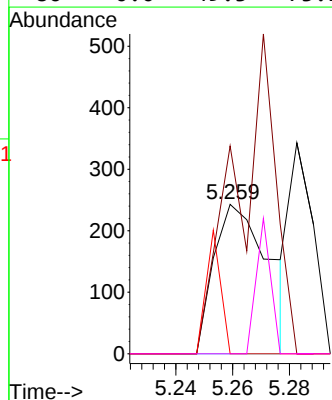
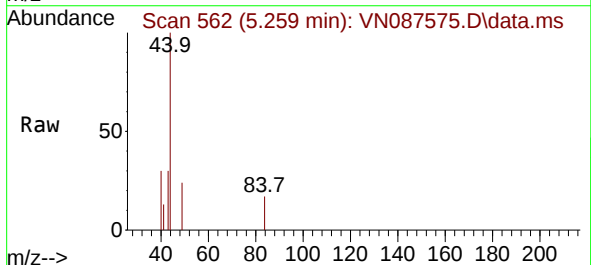


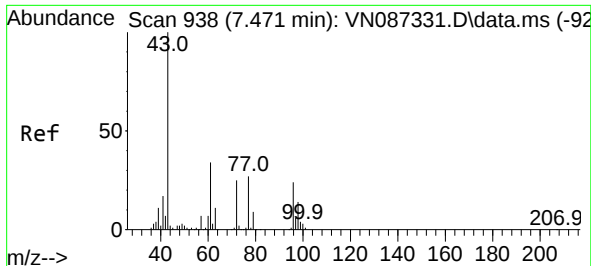
Tgt Ion: 76 Resp: 1309
Ion Ratio Lower Upper
76 100
78 0.0 8.6 13.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 562
Delta R.T. 0.000 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

Tgt Ion: 84 Resp: 326
Ion Ratio Lower Upper
84 100
49 139.1 107.5 161.3
51 0.0 30.2 45.2#
86 0.0 49.3 73.9#

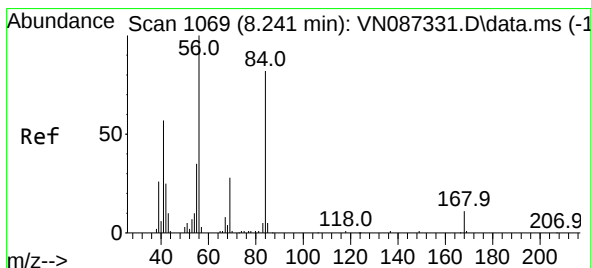
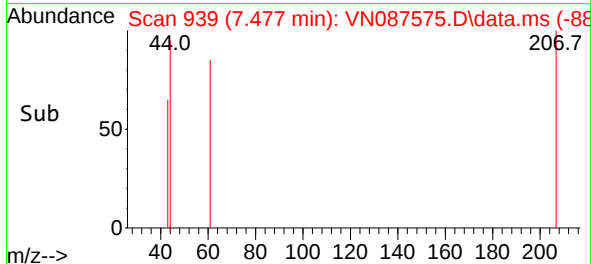
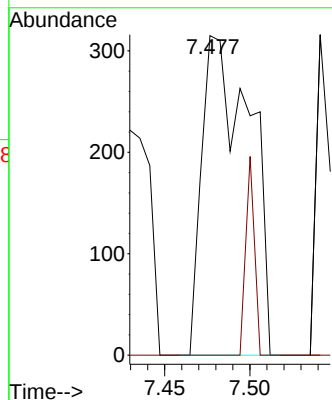
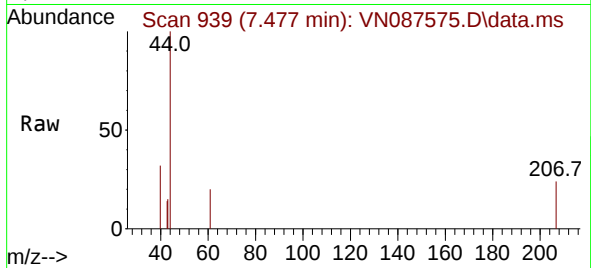




#25
2-Butanone
Concen: 0.259 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

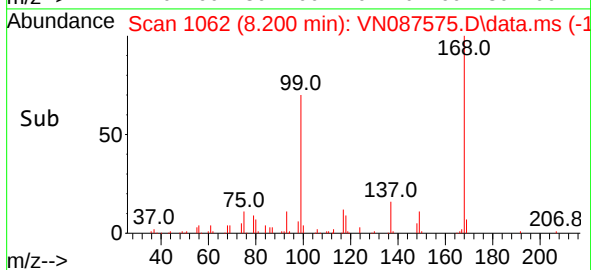
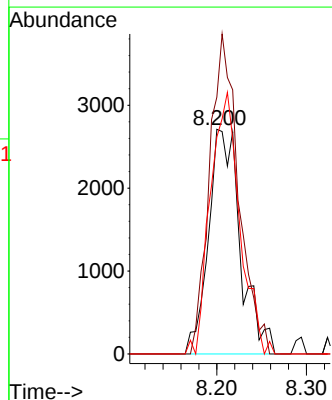
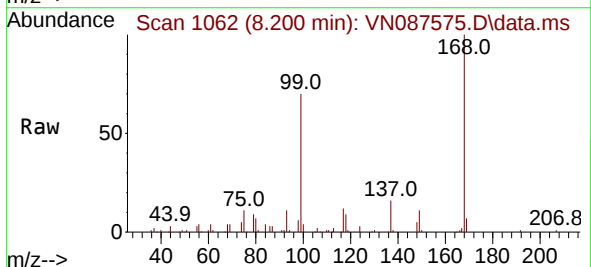
Instrument :
MSVOA_N
ClientSampleId :

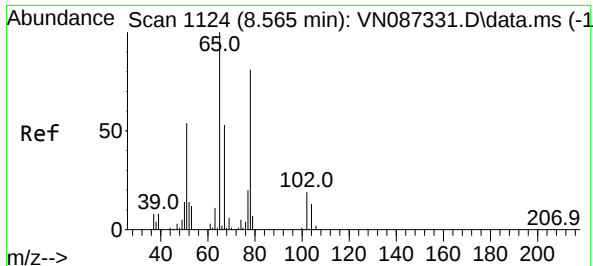
Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#31
Cyclohexane
Concen: 1.676 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.041 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

Tgt Ion: 56 Resp: 6722
Ion Ratio Lower Upper
56 100
69 114.3 22.7 34.1#
84 96.6 65.8 98.6





#33

1,2-Dichloroethane-d4

Concen: 60.171 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087575.D

Acq: 15 Aug 2025 11:12

Instrument :

MSVOA_N

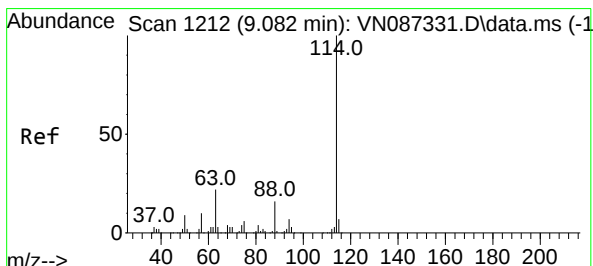
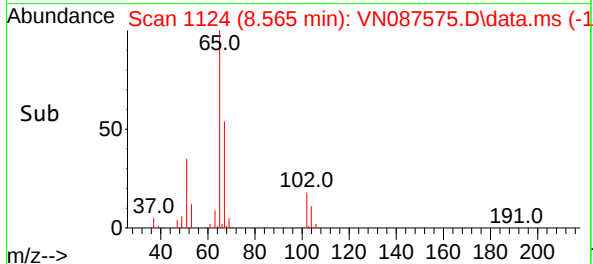
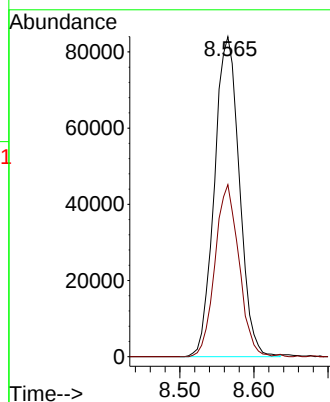
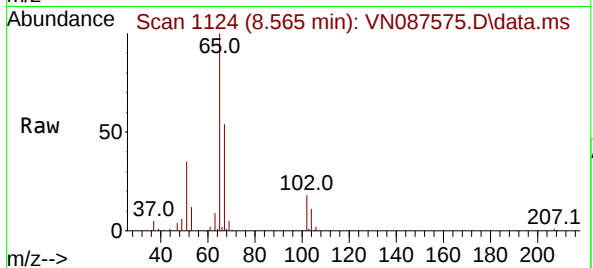
ClientSampleId :

Tgt Ion: 65 Resp: 196309

Ion Ratio Lower Upper

65 100

67 51.6 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: VN087575.D

Acq: 15 Aug 2025 11:12

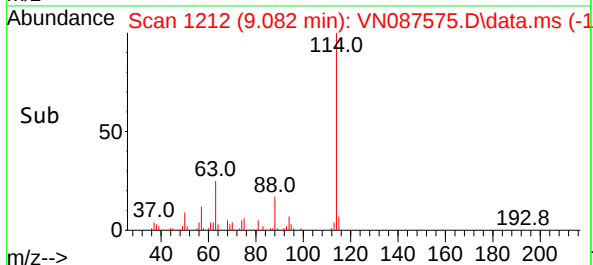
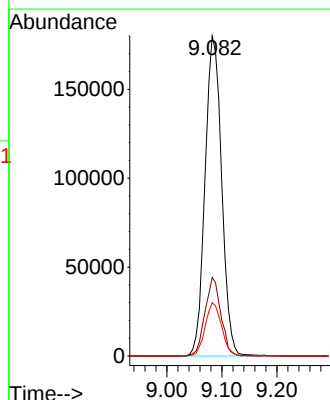
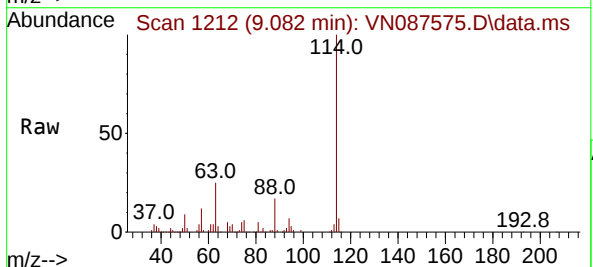
Tgt Ion: 114 Resp: 377502

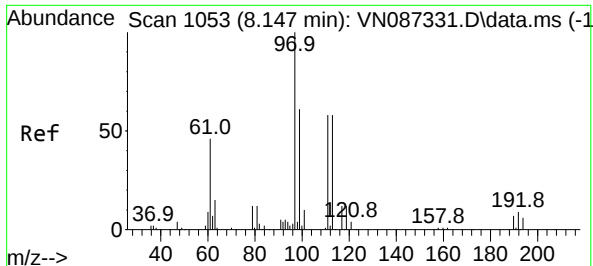
Ion Ratio Lower Upper

114 100

63 24.6 0.0 44.6

88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.545 ug/l

RT: 8.147 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087575.D

Acq: 15 Aug 2025 11:12

Instrument :

MSVOA_N

ClientSampleId :

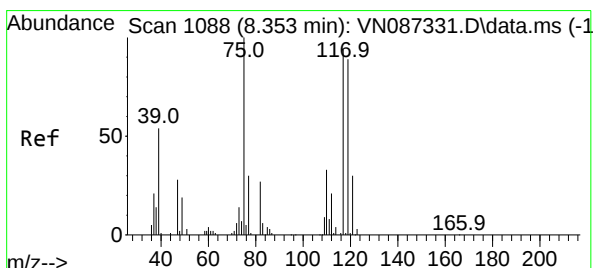
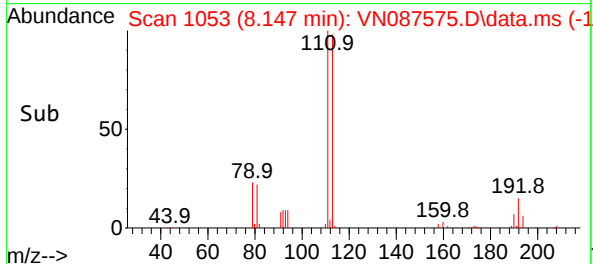
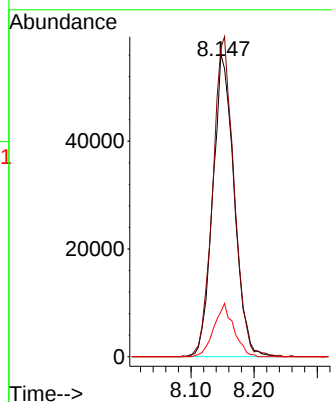
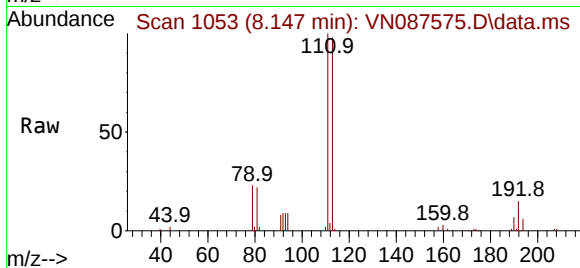
Tgt Ion:113 Resp: 131619

Ion Ratio Lower Upper

113 100

111 105.5 82.5 123.7

192 16.4 13.7 20.5



#36

1,1-Dichloropropene

Concen: 5.599 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087575.D

Acq: 15 Aug 2025 11:12

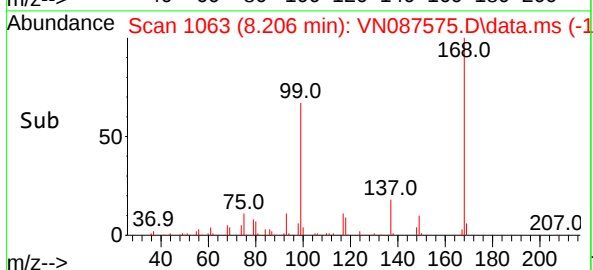
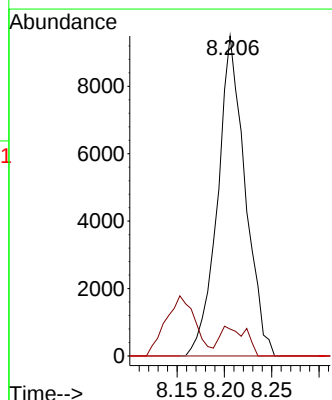
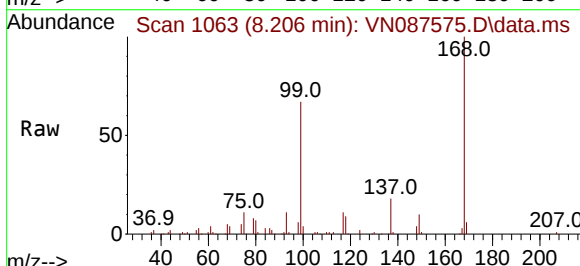
Tgt Ion: 75 Resp: 19261

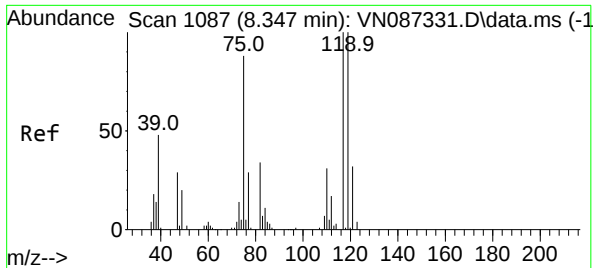
Ion Ratio Lower Upper

75 100

110 8.7 16.7 50.1#

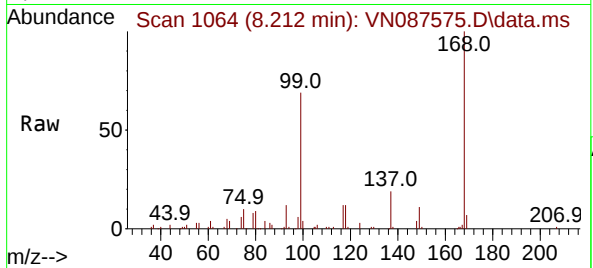
77 0.0 25.2 37.8#



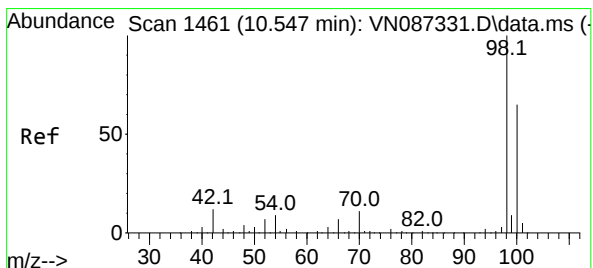
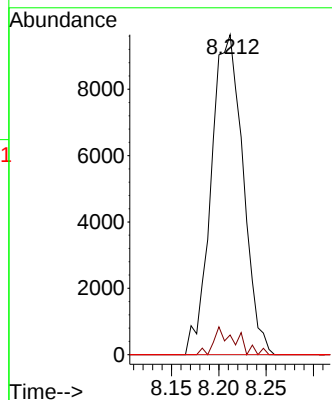
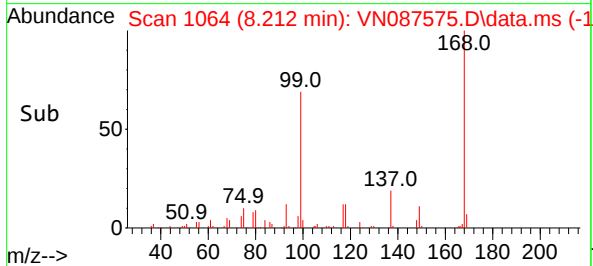


#38
Carbon Tetrachloride
Concen: 5.943 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :

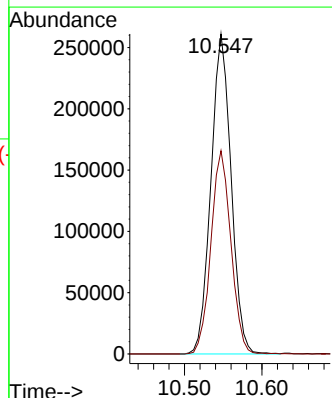
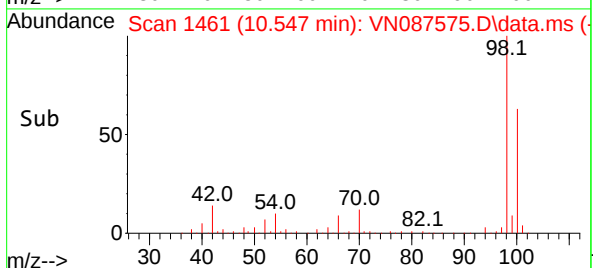
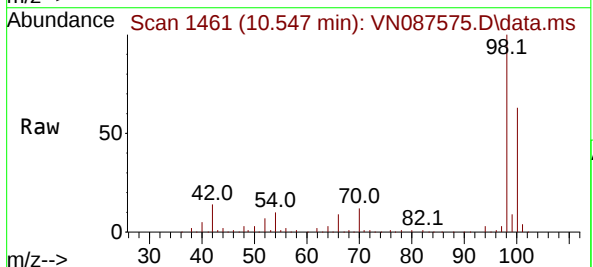


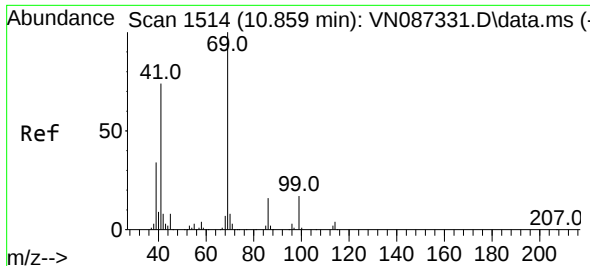
Tgt Ion:117 Resp: 22523
Ion Ratio Lower Upper
117 100
119 6.2 80.2 120.2#
121 0.0 25.4 38.2#



#50
Toluene-d8
Concen: 50.743 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

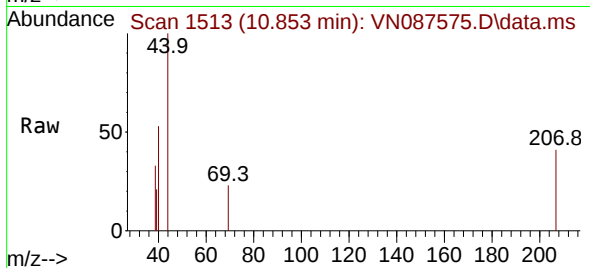
Tgt Ion: 98 Resp: 471339
Ion Ratio Lower Upper
98 100
100 63.1 52.1 78.1



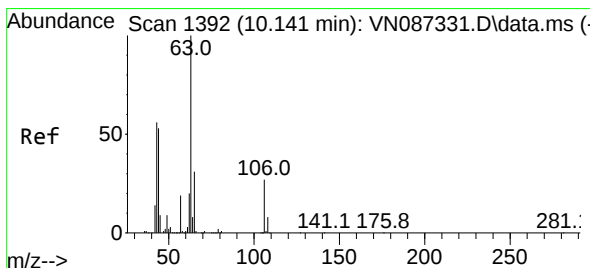
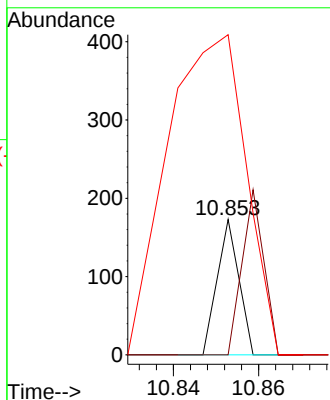
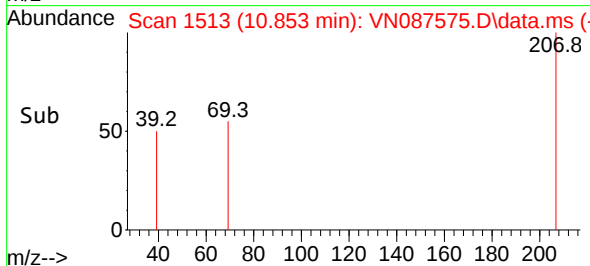


#56
Ethyl methacrylate
Concen: 0.648 ug/l
RT: 10.853 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

Instrument :
MSVOA_N
ClientSampleId :

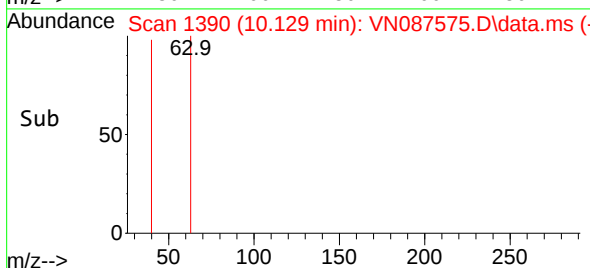
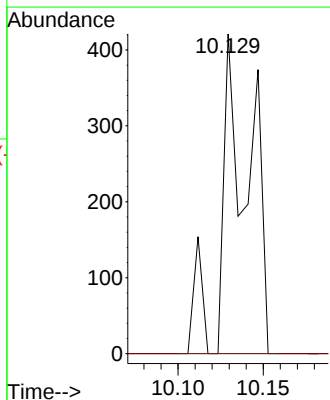
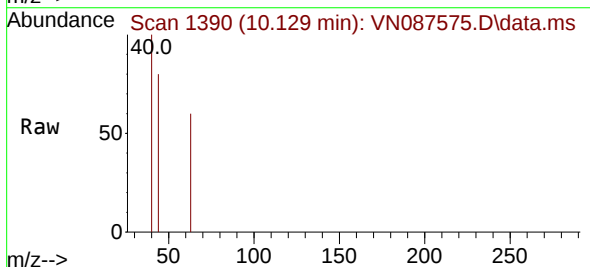


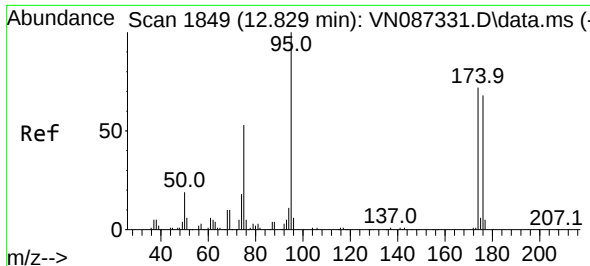
Tgt Ion: 69 Resp: 61
Ion Ratio Lower Upper
69 100
41 121.3 55.1 82.7#
39 860.7 27.9 41.9#



#58
2-Chloroethyl Vinyl ether
Concen: 0.209 ug/l
RT: 10.129 min Scan# 1390
Delta R.T. -0.012 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

Tgt Ion: 63 Resp: 468
Ion Ratio Lower Upper
63 100
106 0.0 21.7 32.5#

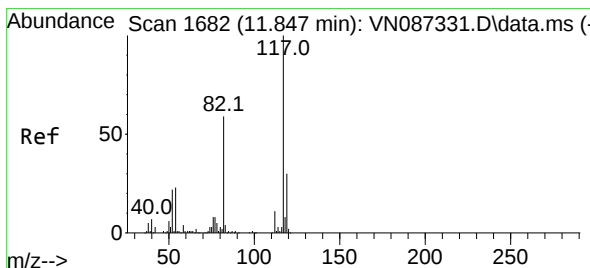
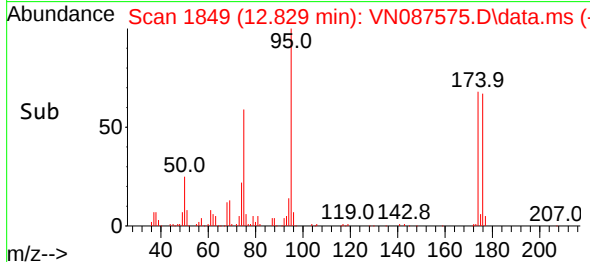
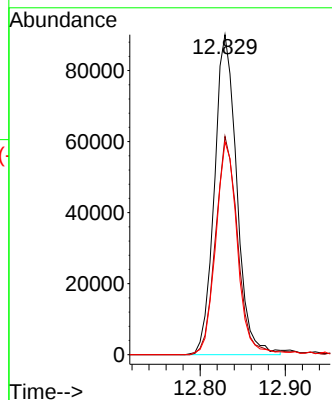
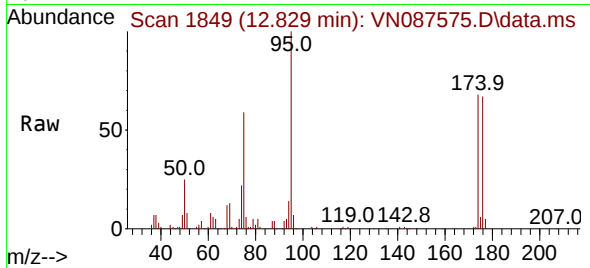




#62
4-Bromofluorobenzene
Concen: 47.924 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

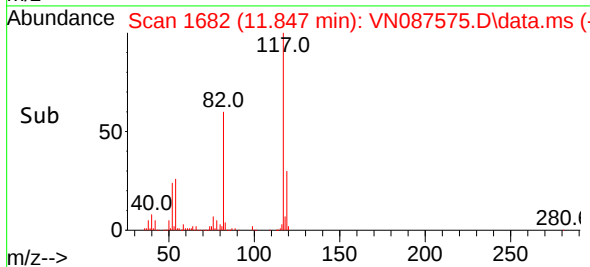
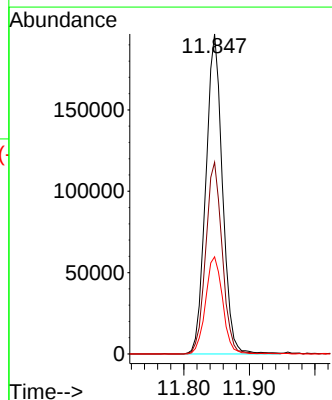
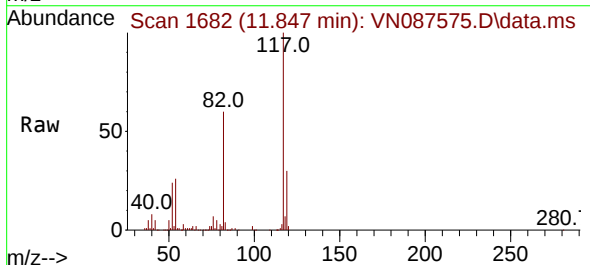
Instrument :
MSVOA_N
ClientSampleId :

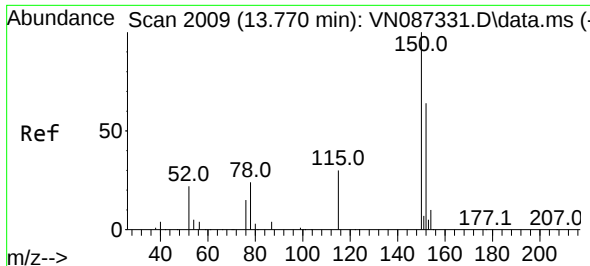
Tgt Ion: 95 Resp: 164464
Ion Ratio Lower Upper
95 100
174 68.2 0.0 149.4
176 64.7 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087575.D
Acq: 15 Aug 2025 11:12

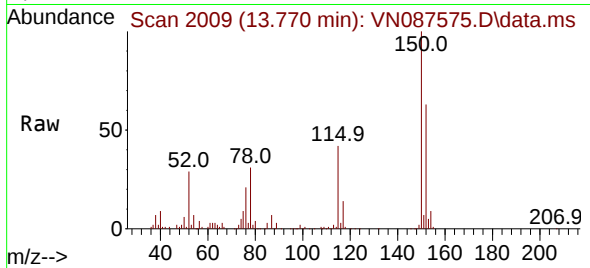
Tgt Ion: 117 Resp: 347368
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 30.3 23.8 35.8



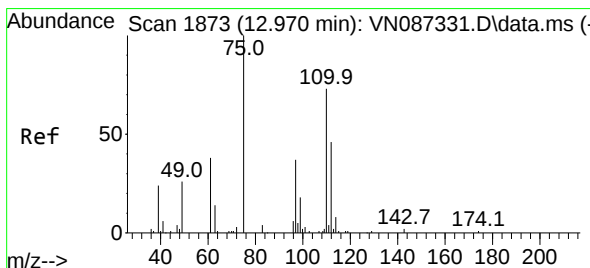
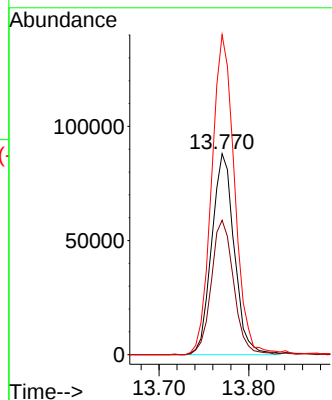
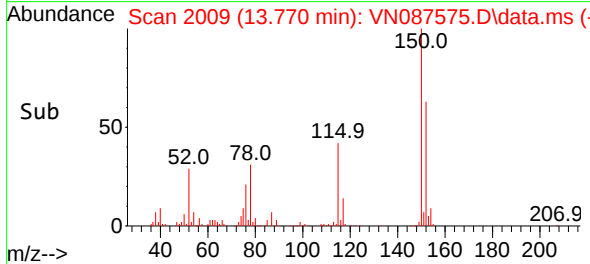


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN087575.D
 Acq: 15 Aug 2025 11:12

Instrument :
 MSVOA_N
 ClientSampleId :

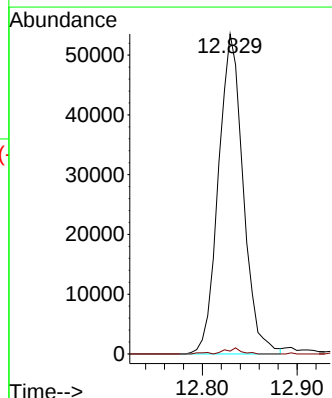
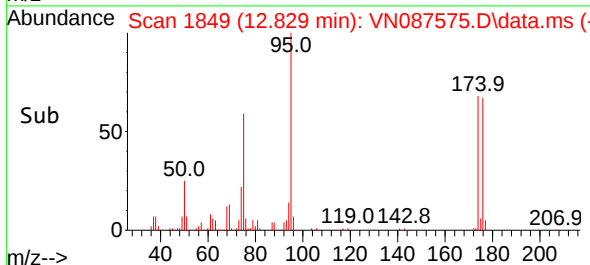
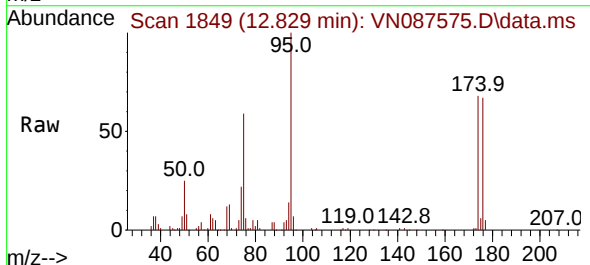


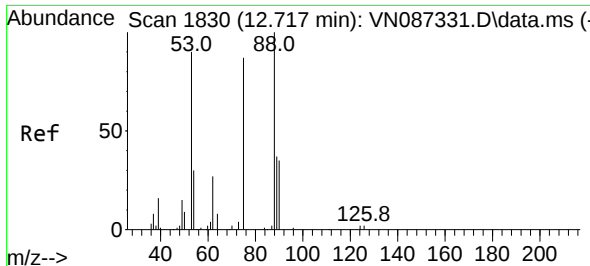
Tgt Ion:152 Resp: 154069
 Ion Ratio Lower Upper
 152 100
 115 66.2 31.1 93.5
 150 162.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.183 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087575.D
 Acq: 15 Aug 2025 11:12

Tgt Ion: 75 Resp: 97367
 Ion Ratio Lower Upper
 75 100
 77 1.2 94.5 283.6#

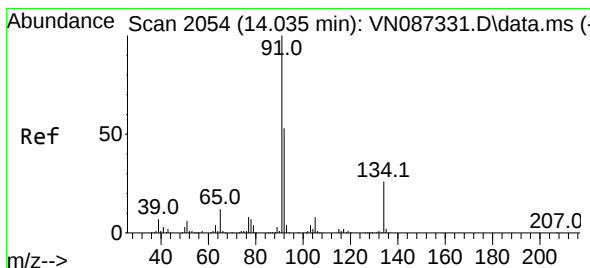
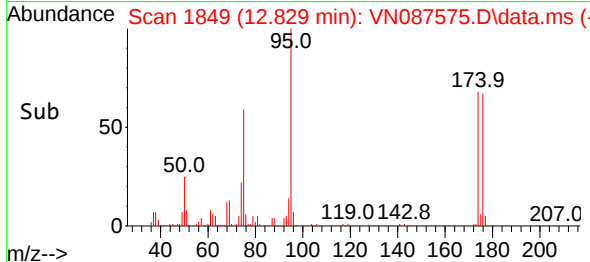
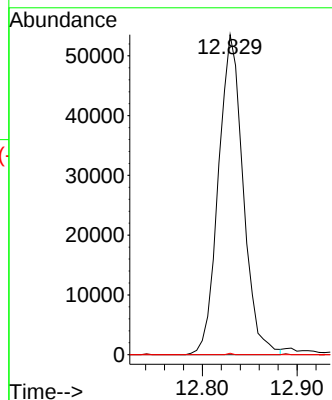
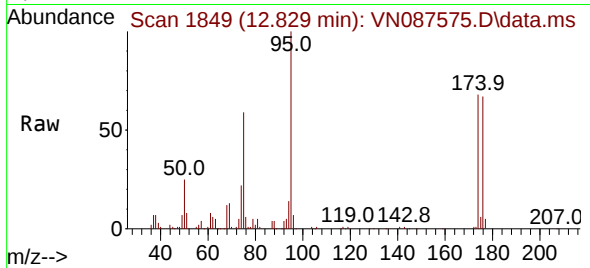




#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.112 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN087575.D
 Acq: 15 Aug 2025 11:12

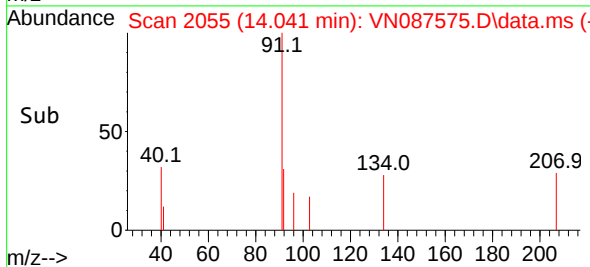
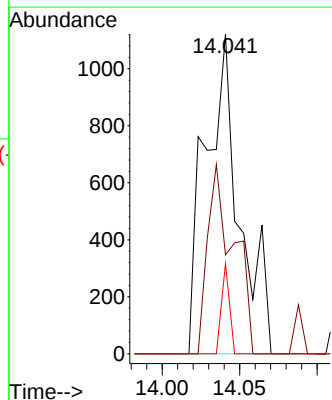
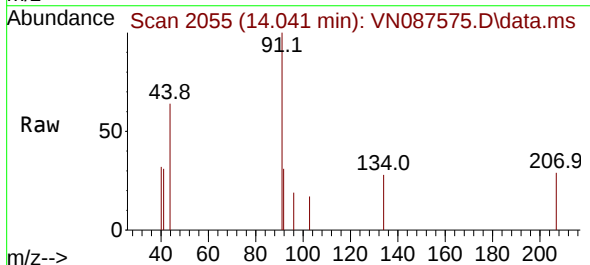
Instrument :
 MSVOA_N
 ClientSampleId :

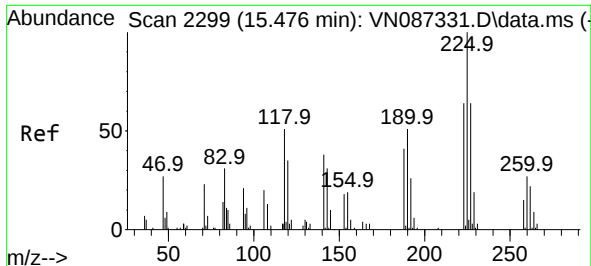
Tgt Ion: 75 Resp: 97367
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.5 125.3#
 89 0.1 38.4 57.6#



#89
 n-Butylbenzene
 Concen: 0.215 ug/l
 RT: 14.041 min Scan# 2055
 Delta R.T. 0.006 min
 Lab File: VN087575.D
 Acq: 15 Aug 2025 11:12

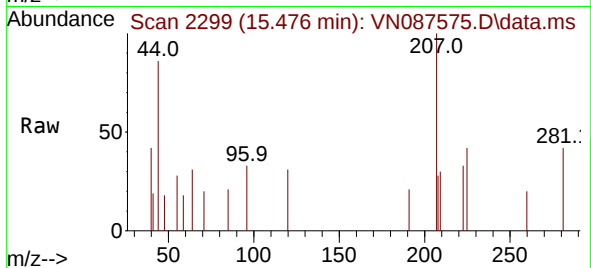
Tgt Ion: 91 Resp: 1710
 Ion Ratio Lower Upper
 91 100
 92 45.4 26.2 78.6
 134 6.5 12.4 37.2#





#94
 Hexachlorobutadiene
 Concen: 0.284 ug/l
 RT: 15.476 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN087575.D
 Acq: 15 Aug 2025 11:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	225	Resp:	290
Ion	Ratio	Lower	Upper
225	100		
223	54.1	32.1	96.3
227	0.0	31.3	93.9#

