

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051425\
 Data File : VN086627.D
 Acq On : 14 May 2025 15:21
 Operator : JC\MD
 Sample : Q2014-03
 Misc : 1.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0145

Quant Time: May 15 03:04:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

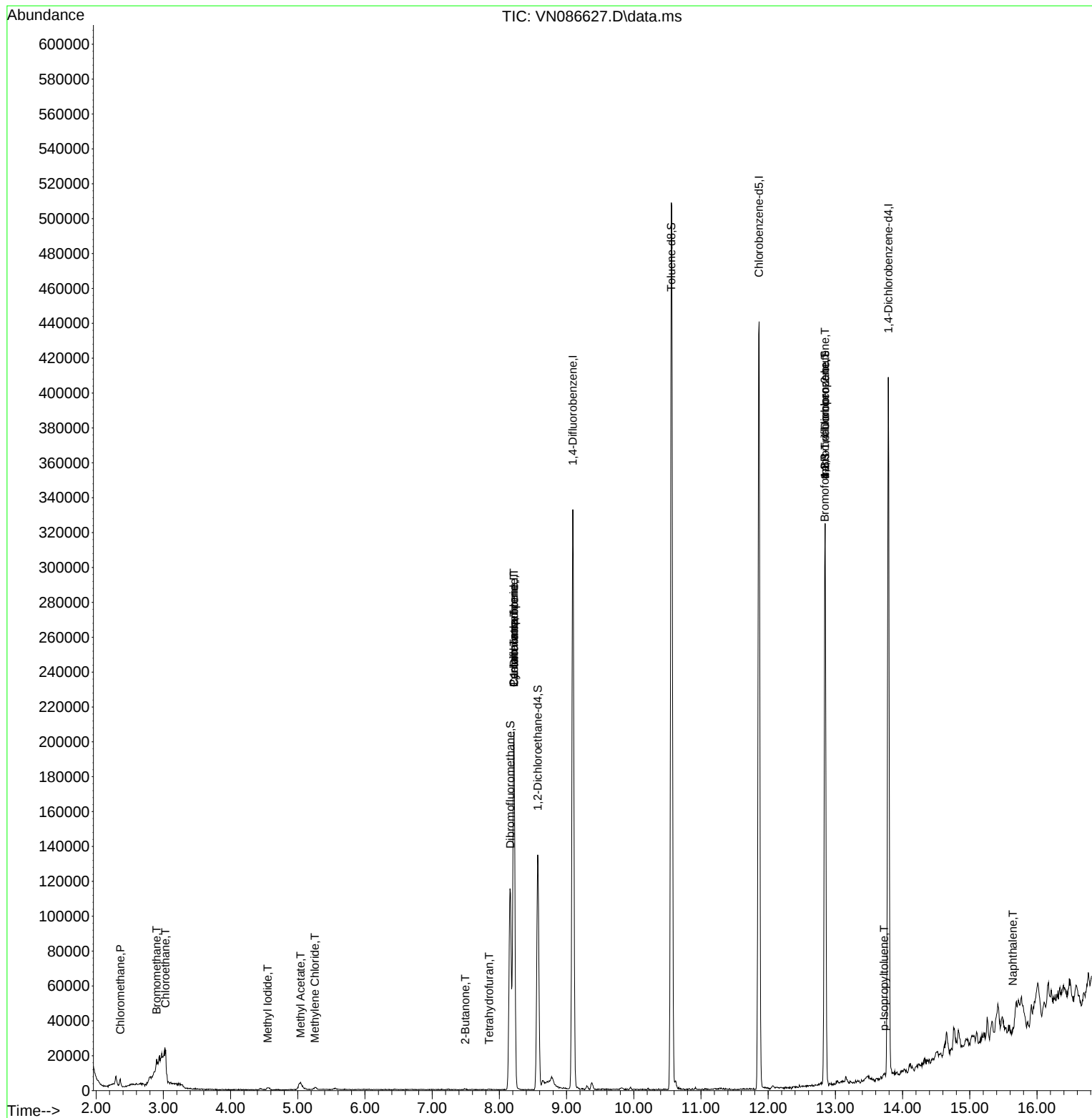
Internal Standards						
1) Pentafluorobenzene	8.218	168	152239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	296977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	110455	50.034	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.060%			
35) Dibromofluoromethane	8.165	113	87648	63.591	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 127.180%#			
50) Toluene-d8	10.559	98	374331	50.816	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.640%			
62) 4-Bromofluorobenzene	12.847	95	120344	44.791	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.580%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	3942	1.503	ug/l	91
5) Bromomethane	2.901	94	1239	1.101	ug/l #	80
6) Chloroethane	3.030	64	356	0.213	ug/l #	42
10) Methyl Iodide	4.553	142	1612	0.874	ug/l #	87
16) Acetone	4.442	43	1809	Below Cal		94
18) Methyl Acetate	5.042	43	10748	4.056	ug/l #	75
20) Methylene Chloride	5.253	84	1133	0.555	ug/l #	81
25) 2-Butanone	7.494	43	511	0.372	ug/l #	48
29) Tetrahydrofuran	7.847	42	221	0.241	ug/l #	53
31) Cyclohexane	8.218	56	3209	0.897	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	12657	4.598	ug/l #	49
38) Carbon Tetrachloride	8.218	117	15339	5.851	ug/l #	15
43) Isopropyl Acetate	8.712	43	631	Below Cal	#	55
71) Bromoform	12.841	173	585	0.396	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	59117	23.027	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59117	55.302	ug/l #	10
86) p-Isopropyltoluene	13.723	119	2203	0.305	ug/l #	79
95) Naphthalene	15.641	128	3592	0.589	ug/l #	92

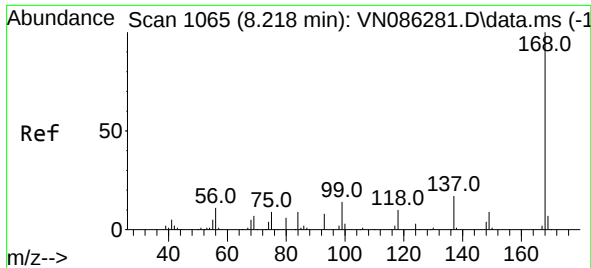
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

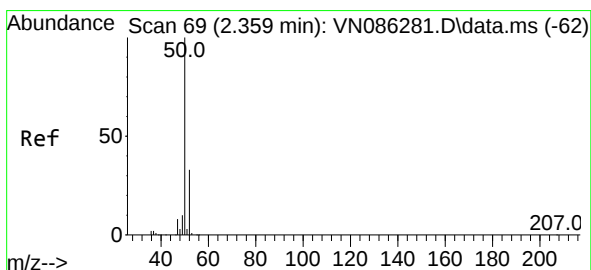
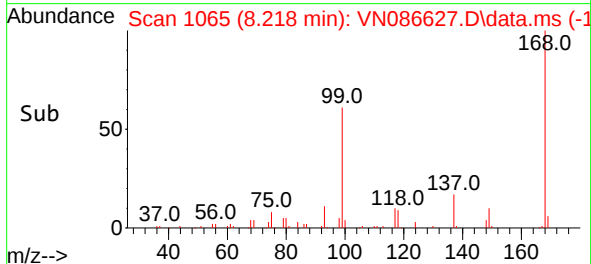
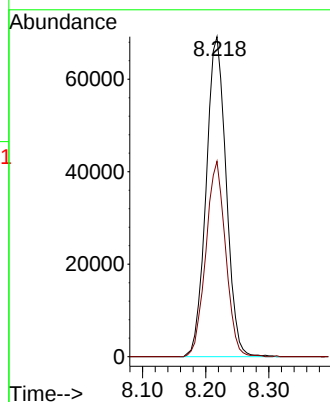
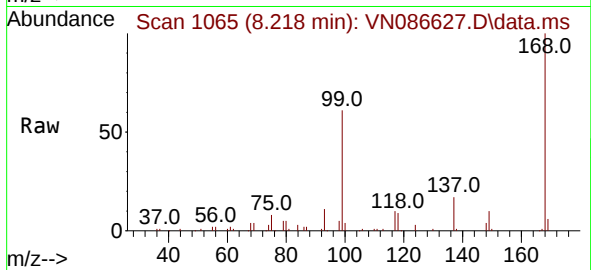




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

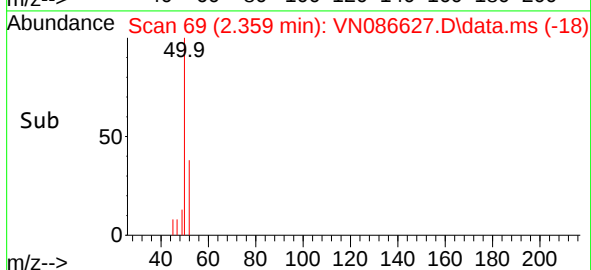
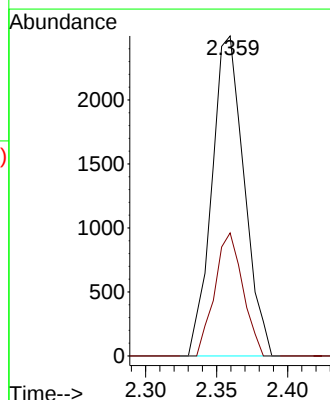
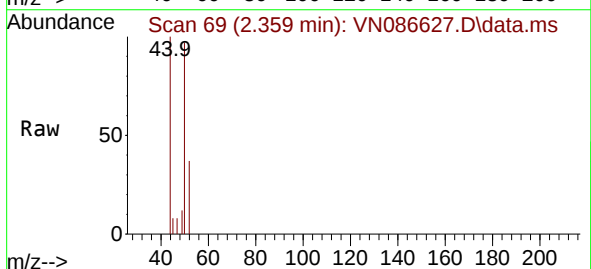
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

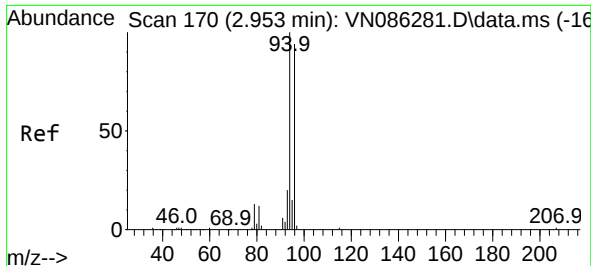
Tgt Ion:168 Resp: 152239
Ion Ratio Lower Upper
168 100
99 61.0 52.5 78.7



#3
Chloromethane
Concen: 1.503 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

Tgt Ion: 50 Resp: 3942
Ion Ratio Lower Upper
50 100
52 38.4 26.5 39.7

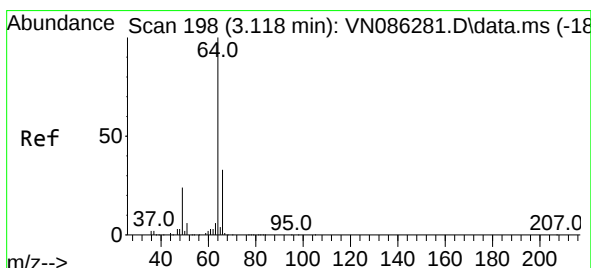
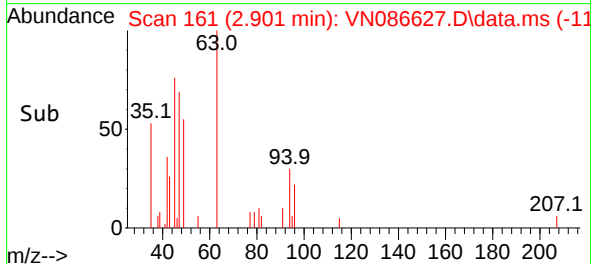
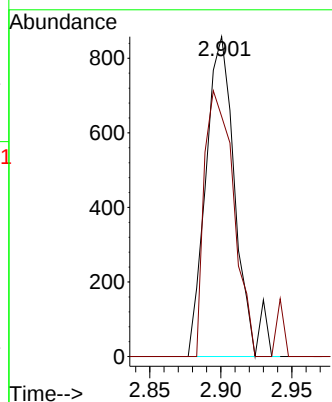
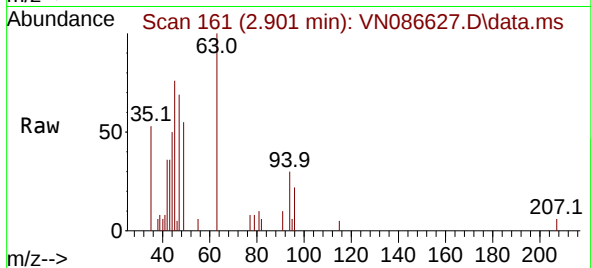




#5
Bromomethane
Concen: 1.101 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

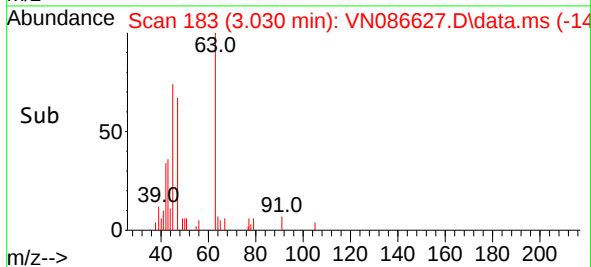
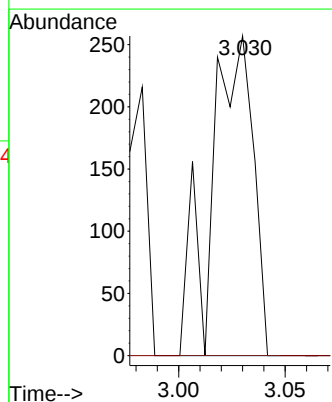
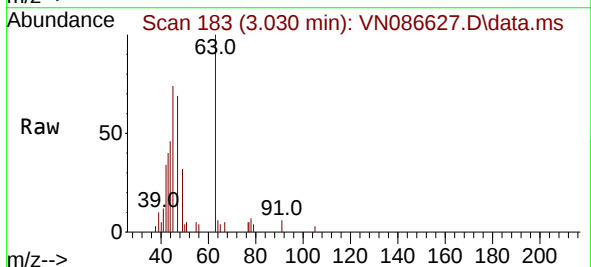
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

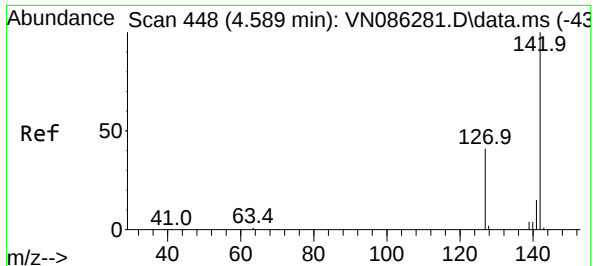
Tgt Ion: 94 Resp: 1239
Ion Ratio Lower Upper
94 100
96 75.1 75.2 112.8#



#6
Chloroethane
Concen: 0.213 ug/l
RT: 3.030 min Scan# 183
Delta R.T. -0.088 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

Tgt Ion: 64 Resp: 356
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.2#

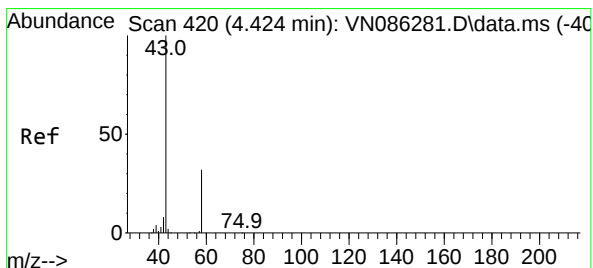
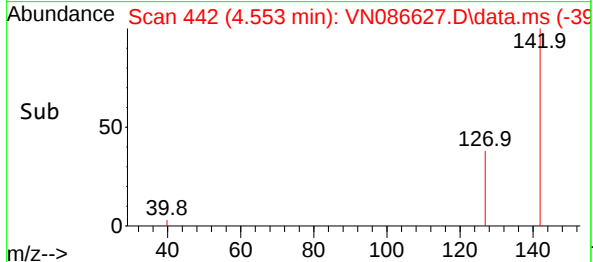
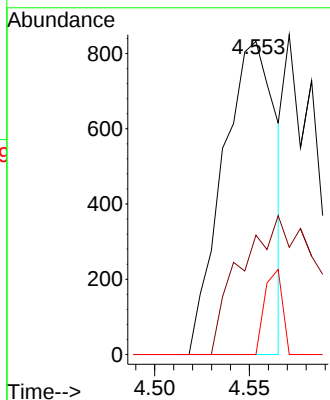
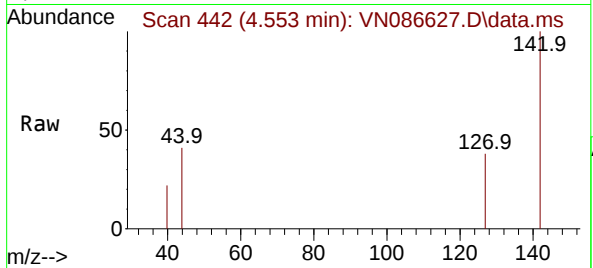




#10
Methyl Iodide
Concen: 0.874 ug/l
RT: 4.553 min Scan# 448
Delta R.T. -0.035 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

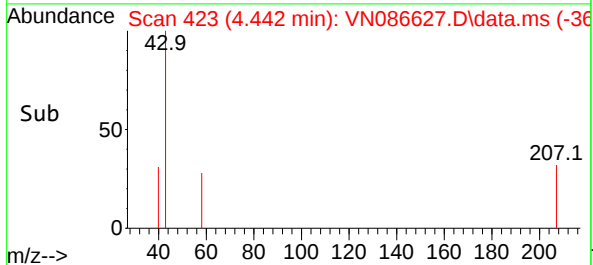
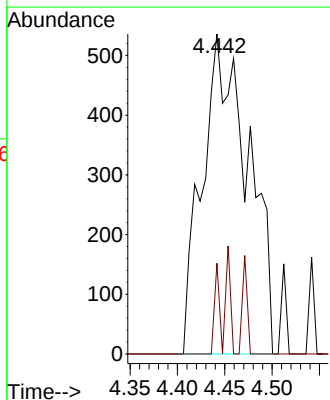
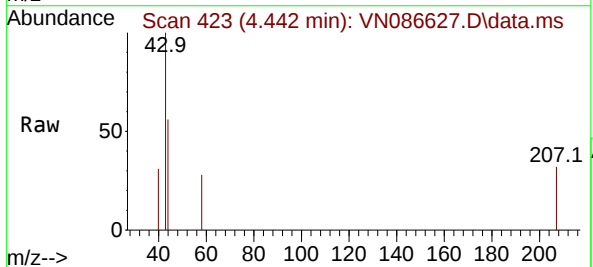
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

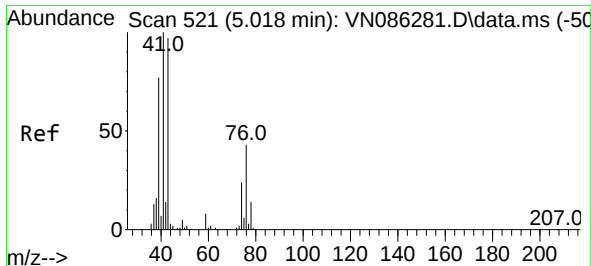
Tgt Ion:142 Resp: 1612
Ion Ratio Lower Upper
142 100
127 38.1 32.7 49.1
141 0.0 11.7 17.5#



#16
Acetone
Concen: Below Cal
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

Tgt Ion: 43 Resp: 1809
Ion Ratio Lower Upper
43 100
58 28.4 25.3 37.9

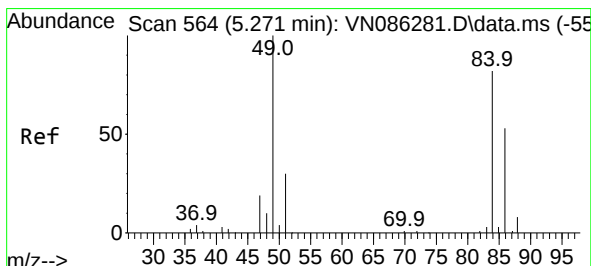
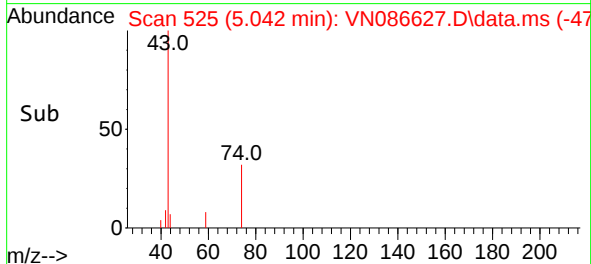
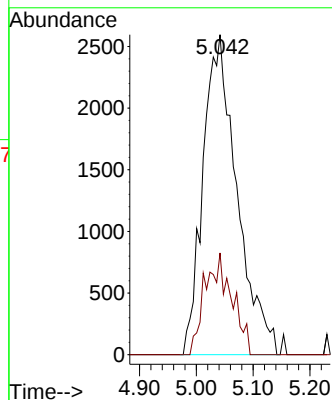
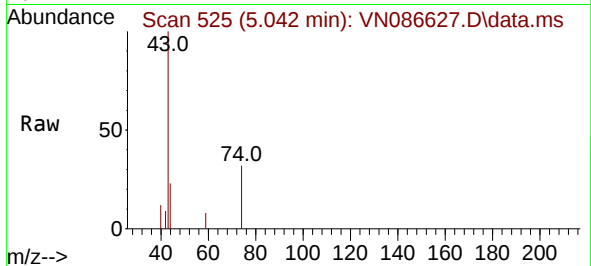




#18
Methyl Acetate
Concen: 4.056 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

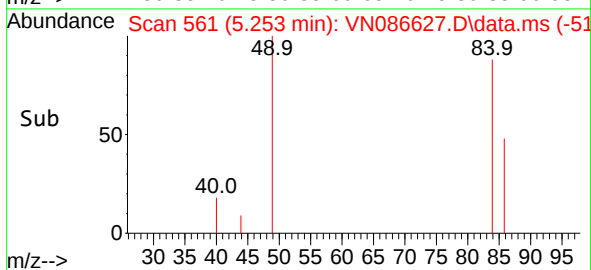
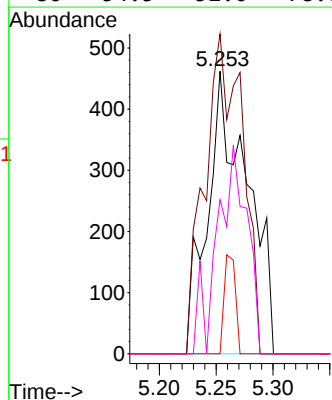
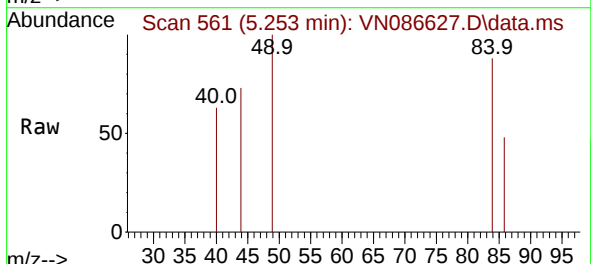
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

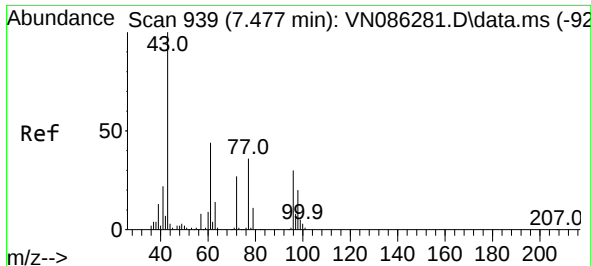
Tgt Ion: 43 Resp: 10748
Ion Ratio Lower Upper
43 100
74 12.1 19.8 29.6#



#20
Methylene Chloride
Concen: 0.555 ug/l
RT: 5.253 min Scan# 561
Delta R.T. -0.018 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

Tgt Ion: 84 Resp: 1133
Ion Ratio Lower Upper
84 100
49 113.2 98.2 147.2
51 0.0 29.8 44.6#
86 54.5 52.0 78.0

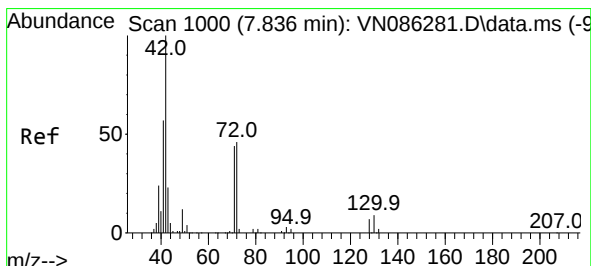
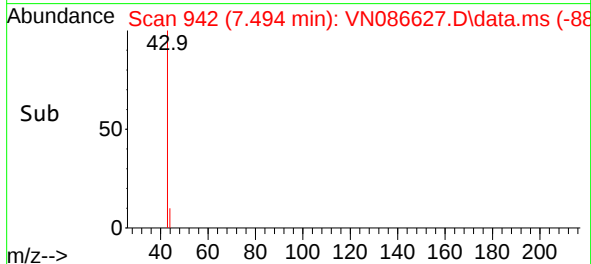
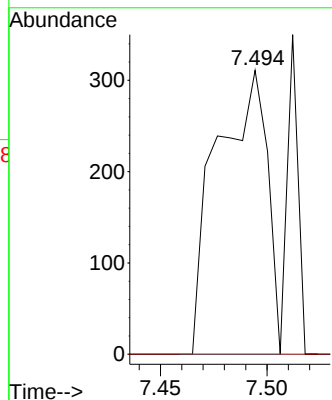
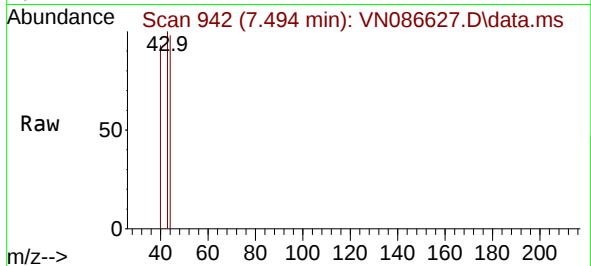




#25
2-Butanone
Concen: 0.372 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

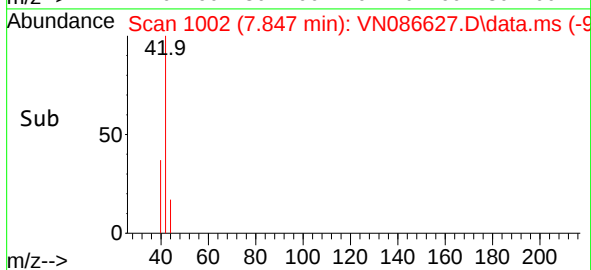
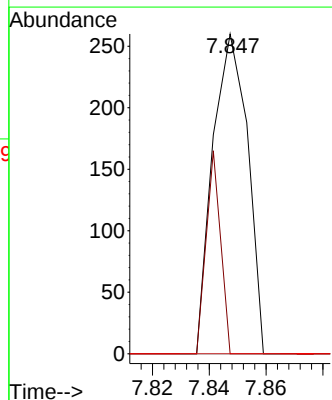
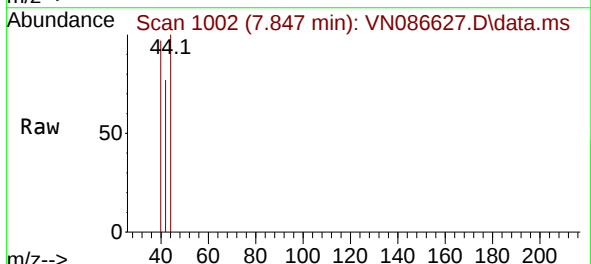
Instrument :
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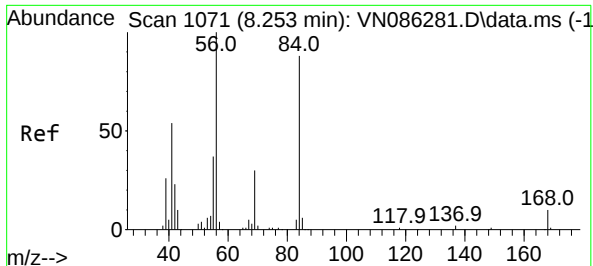
Tgt Ion: 43 Resp: 511
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.241 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

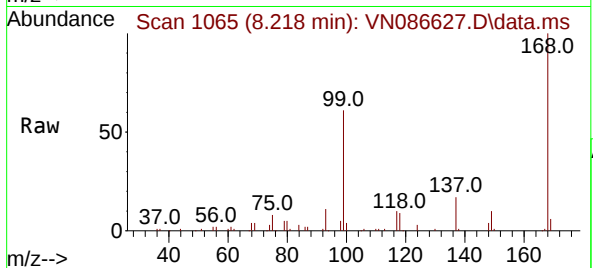
Tgt Ion: 42 Resp: 221
Ion Ratio Lower Upper
42 100
72 26.2 36.2 54.4#
71 0.0 34.0 51.0#



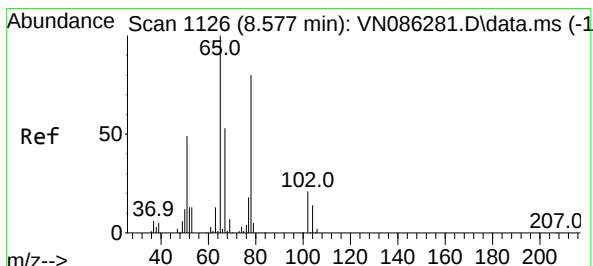
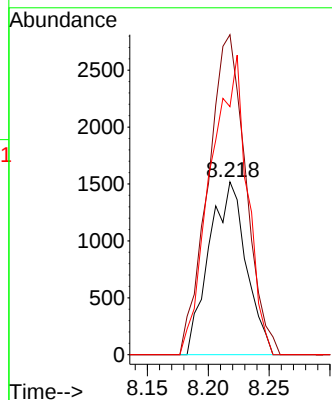
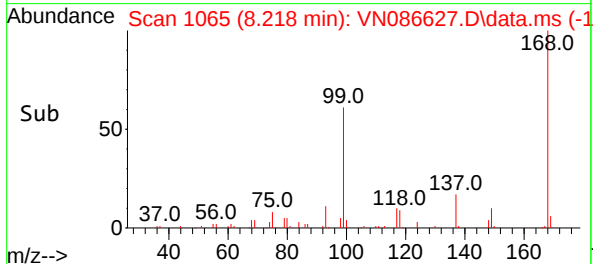


#31
Cyclohexane
Concen: 0.897 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

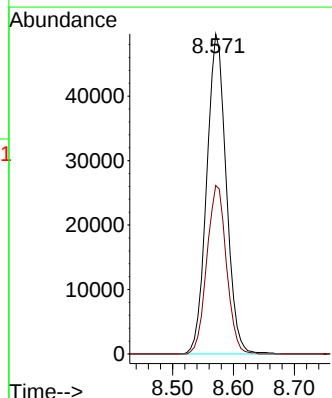
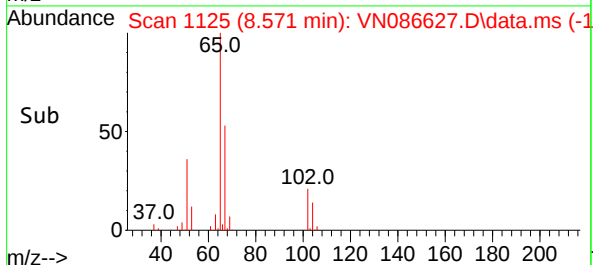
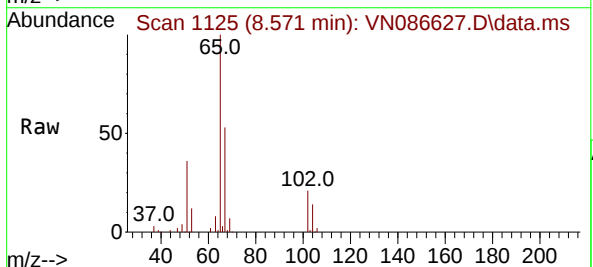


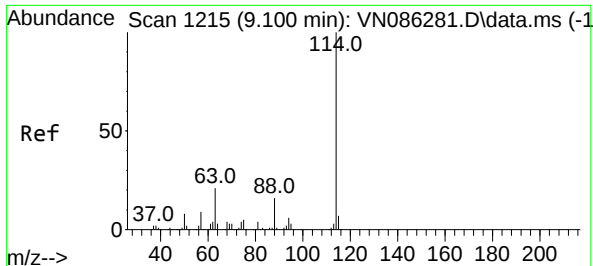
Tgt Ion: 56 Resp: 3209
Ion Ratio Lower Upper
56 100
69 185.1 24.2 36.2#
84 143.5 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 50.034 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

Tgt Ion: 65 Resp: 110455
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN086627.D

Acq: 14 May 2025 15:21

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0145

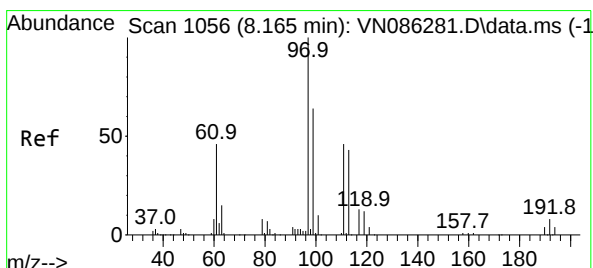
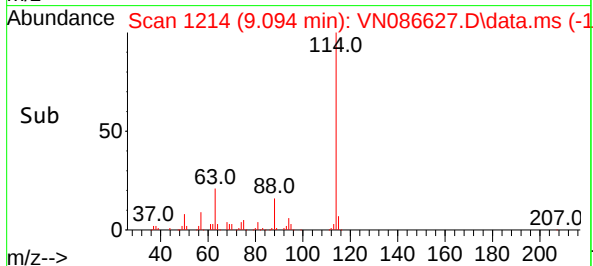
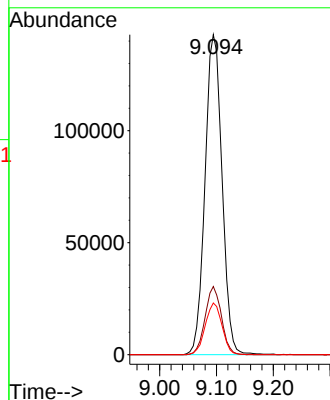
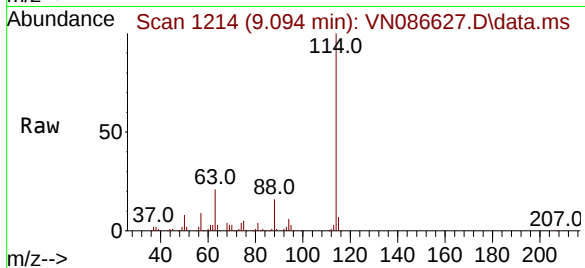
Tgt Ion:114 Resp: 296977

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 16.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.591 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086627.D

Acq: 14 May 2025 15:21

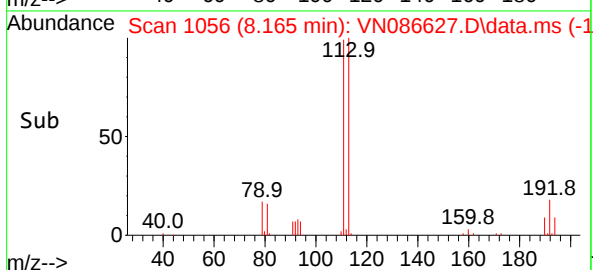
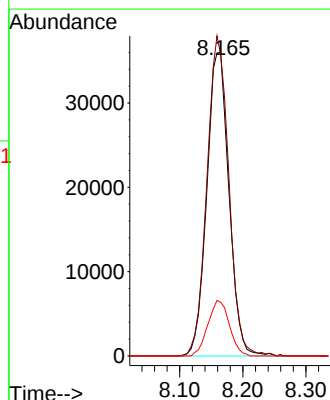
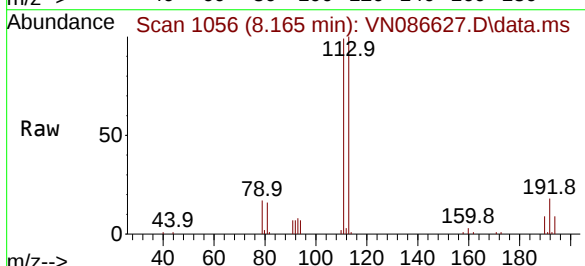
Tgt Ion:113 Resp: 87648

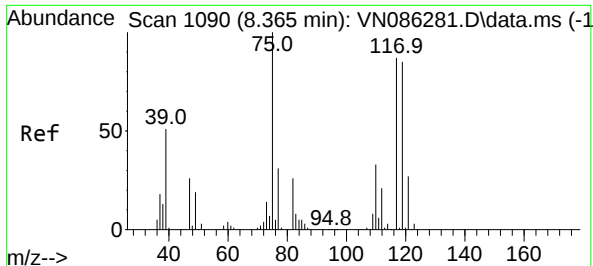
Ion Ratio Lower Upper

113 100

111 104.5 83.4 125.0

192 17.7 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.598 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086627.D

Acq: 14 May 2025 15:21

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0145

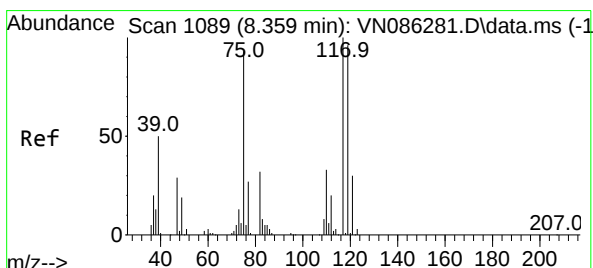
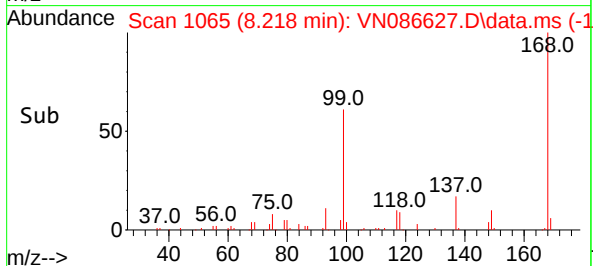
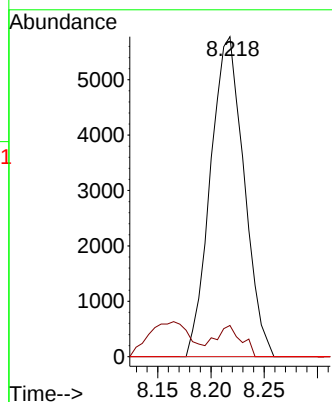
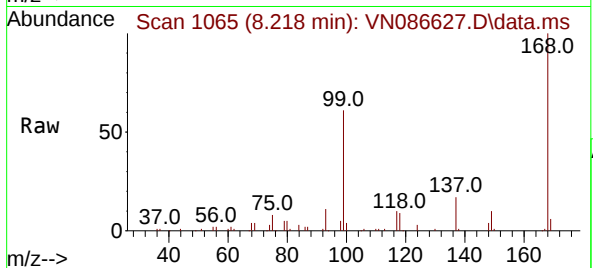
Tgt Ion: 75 Resp: 12657

Ion Ratio Lower Upper

75 100

110 7.4 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.851 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086627.D

Acq: 14 May 2025 15:21

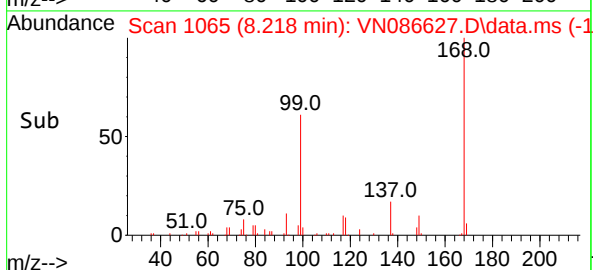
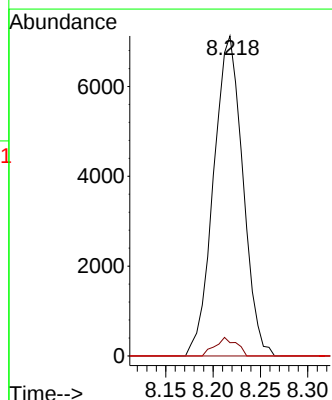
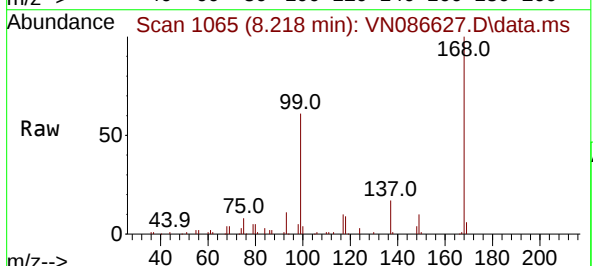
Tgt Ion: 117 Resp: 15339

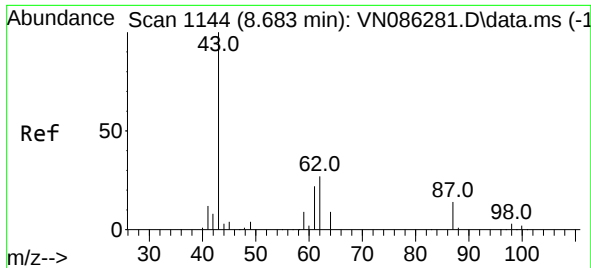
Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

121 0.0 23.8 35.8#

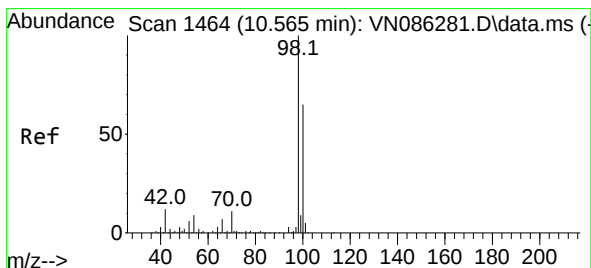
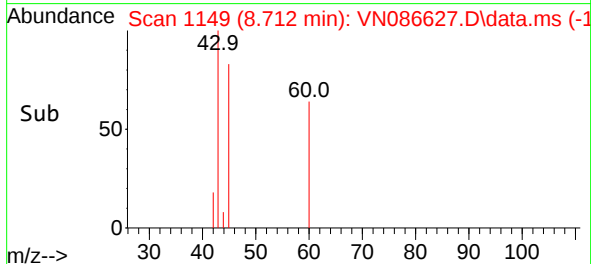
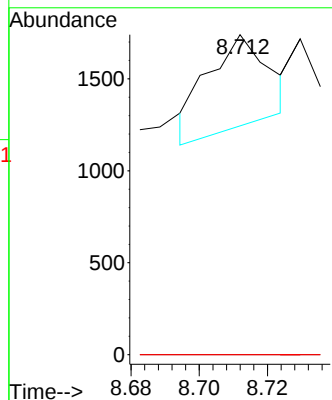
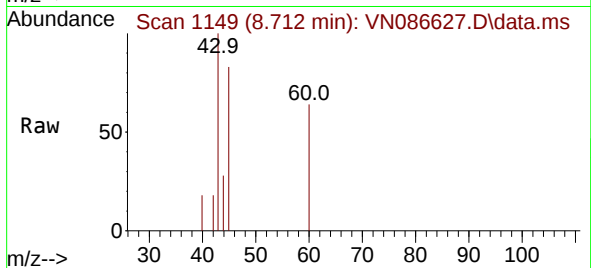




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.712 min Scan# 1149
Delta R.T. 0.029 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

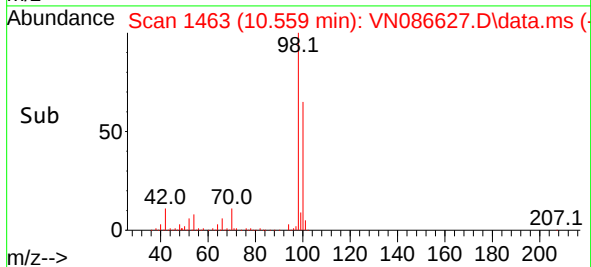
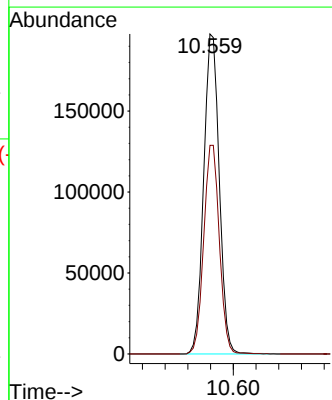
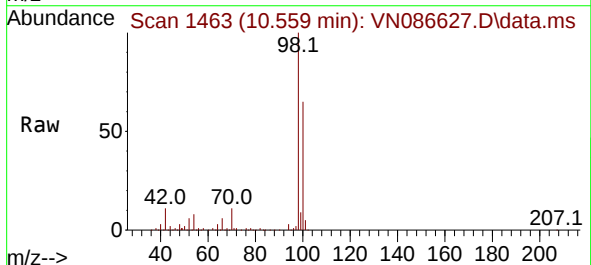
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

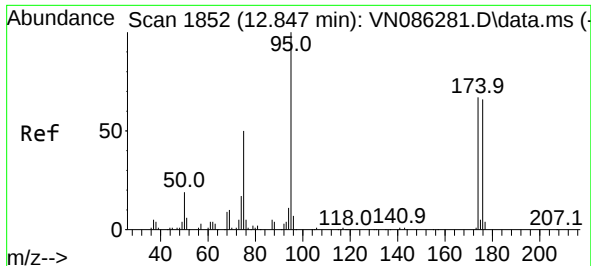
Tgt Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#



#50
Toluene-d8
Concen: 50.816 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

Tgt Ion: 98 Resp: 374331
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7

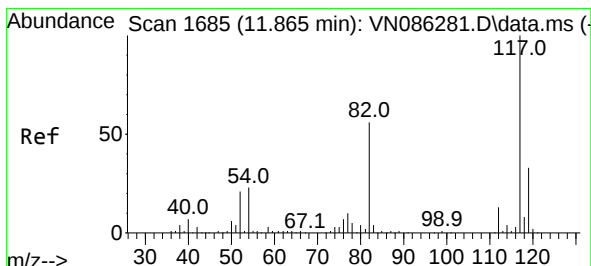
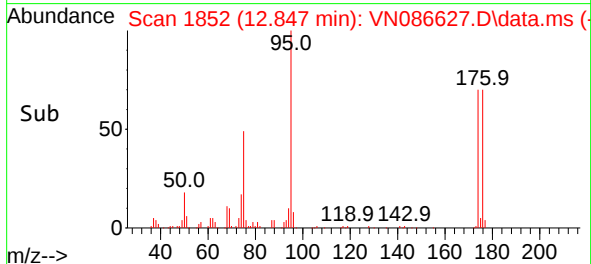
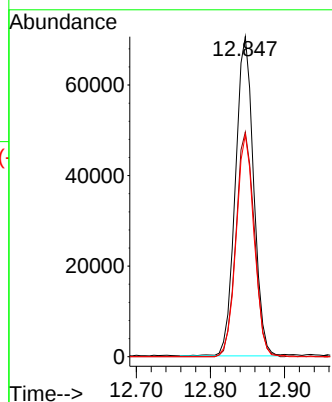
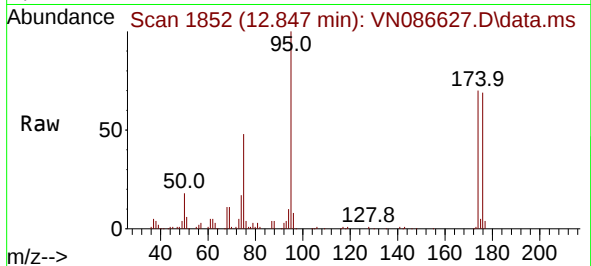




#62
4-Bromofluorobenzene
Concen: 44.791 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

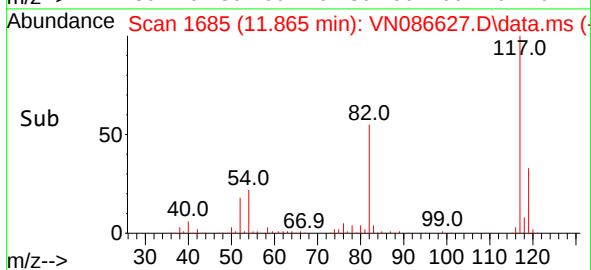
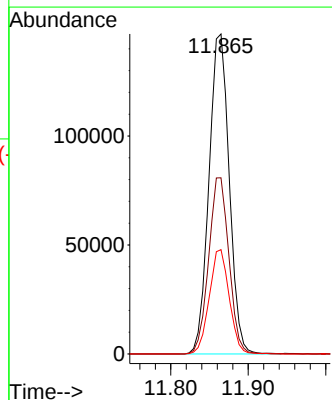
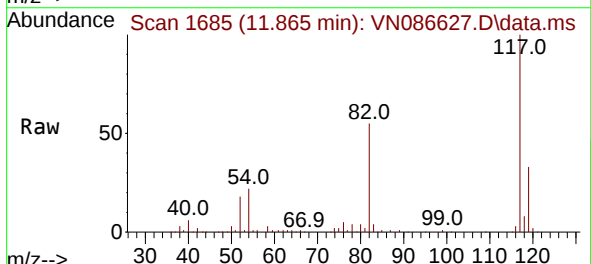
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

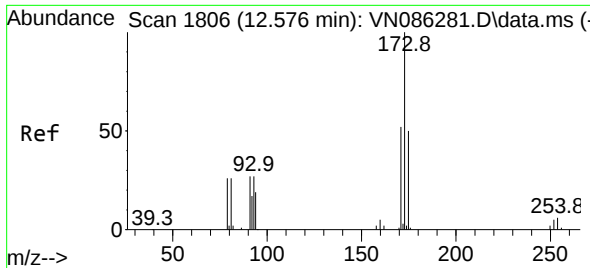
Tgt Ion: 95 Resp: 120344
Ion Ratio Lower Upper
95 100
174 70.8 0.0 133.4
176 68.4 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

Tgt Ion: 117 Resp: 266527
Ion Ratio Lower Upper
117 100
82 55.1 44.7 67.1
119 32.6 26.4 39.6

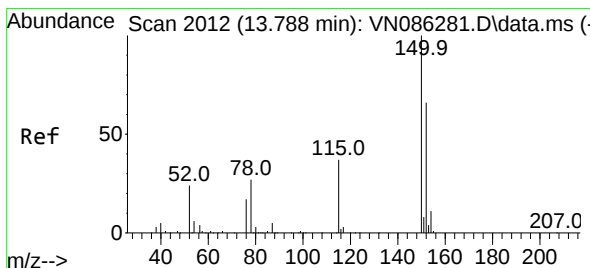
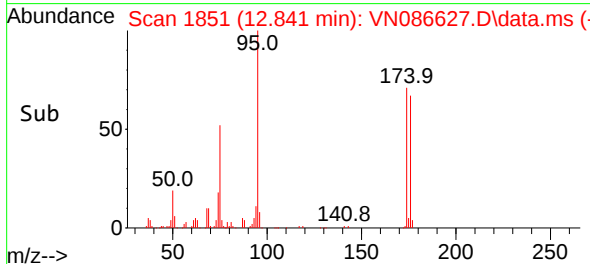
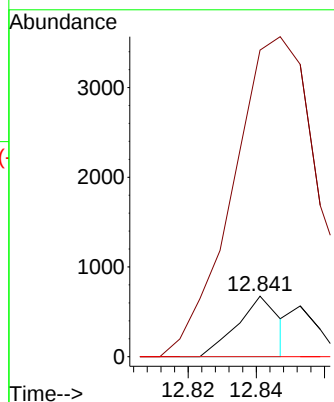
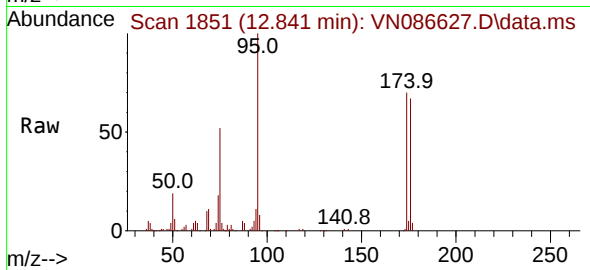




#71
Bromoform
Concen: 0.396 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

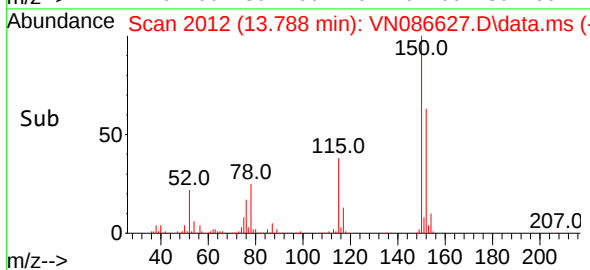
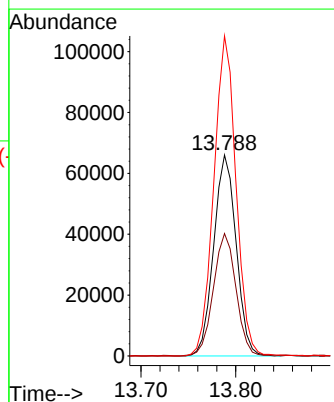
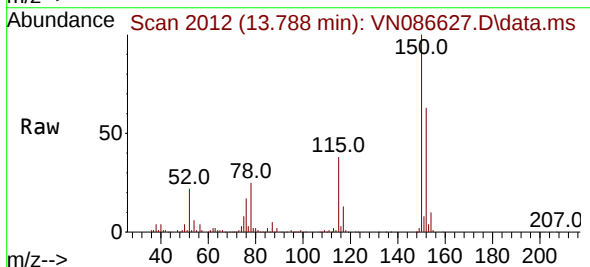
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

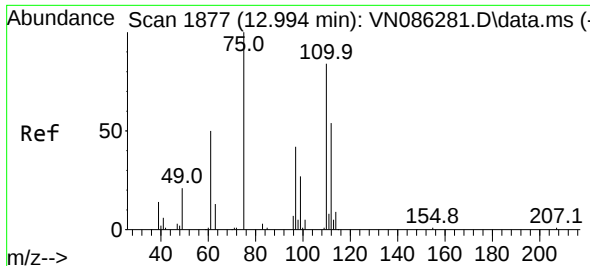
Tgt Ion:173 Resp: 585
Ion Ratio Lower Upper
173 100
175 879.3 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

Tgt Ion:152 Resp: 108791
Ion Ratio Lower Upper
152 100
115 61.3 31.9 95.9
150 157.4 0.0 352.0

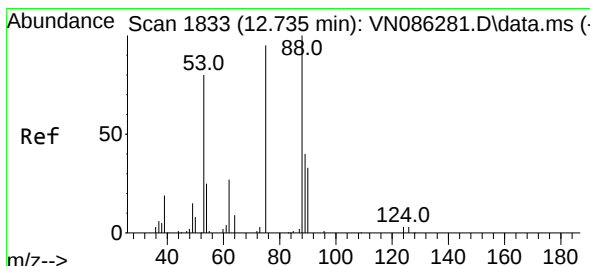
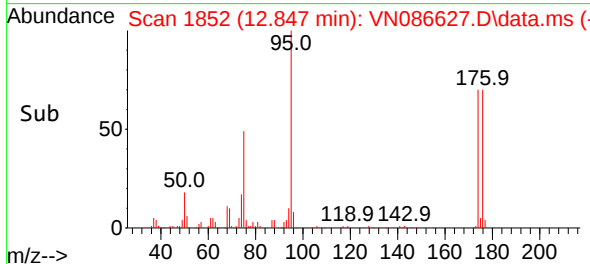
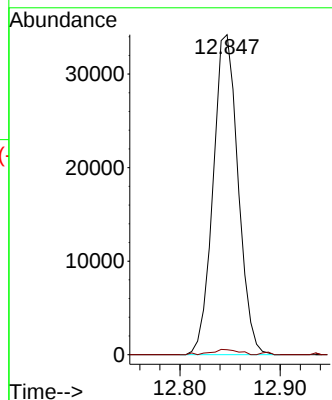
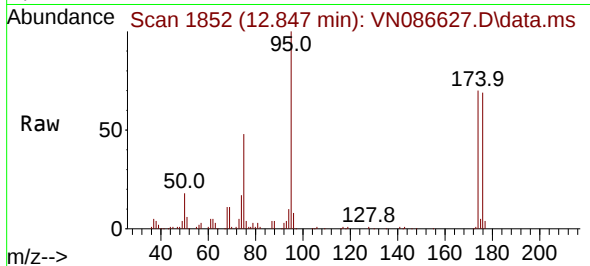




#76
1,2,3-Trichloropropane
Concen: 23.027 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

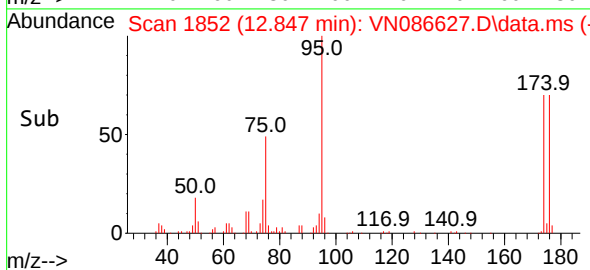
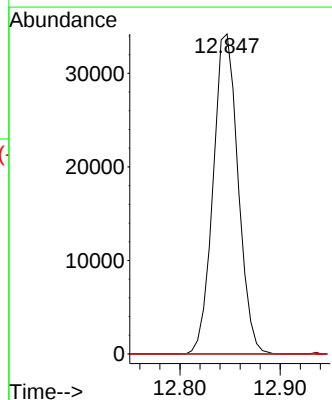
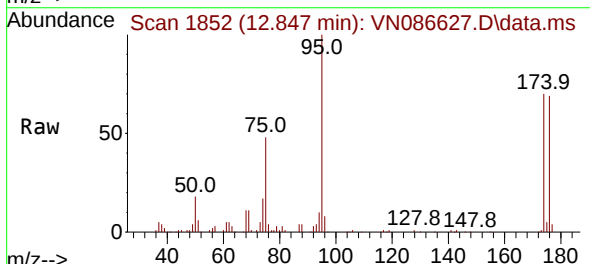
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

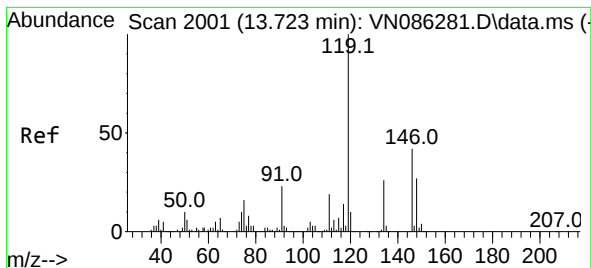
Tgt Ion: 75 Resp: 59117
Ion Ratio Lower Upper
75 100
77 1.8 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.302 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086627.D
Acq: 14 May 2025 15:21

Tgt Ion: 75 Resp: 59117
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#





#86

p-Isopropyltoluene

Concen: 0.305 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VN086627.D

Acq: 14 May 2025 15:21

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0145

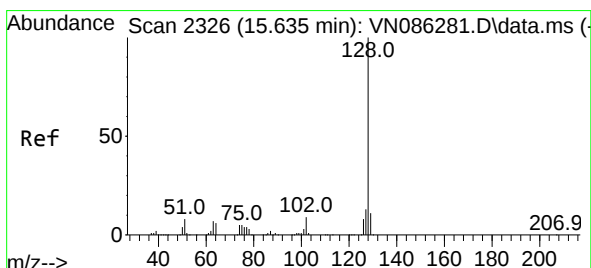
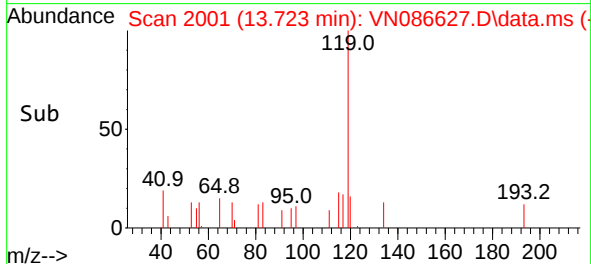
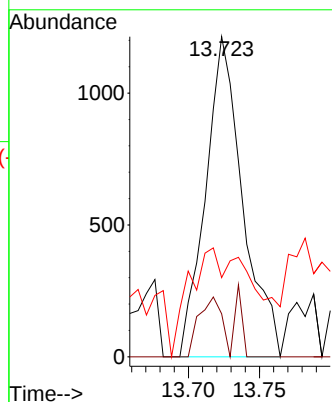
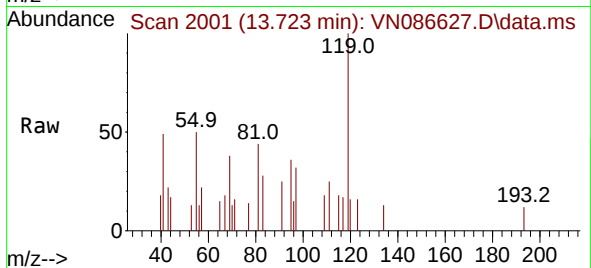
Tgt Ion:119 Resp: 2203

Ion Ratio Lower Upper

119 100

134 11.6 13.1 39.1#

91 29.9 11.9 35.9



#95

Naphthalene

Concen: 0.589 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN086627.D

Acq: 14 May 2025 15:21

Tgt Ion:128 Resp: 3592

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 16.8 8.6 13.0#

