

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087665.D
 Acq On : 25 Aug 2025 17:49
 Operator : JC\MD
 Sample : Q2940-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 26 01:41:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

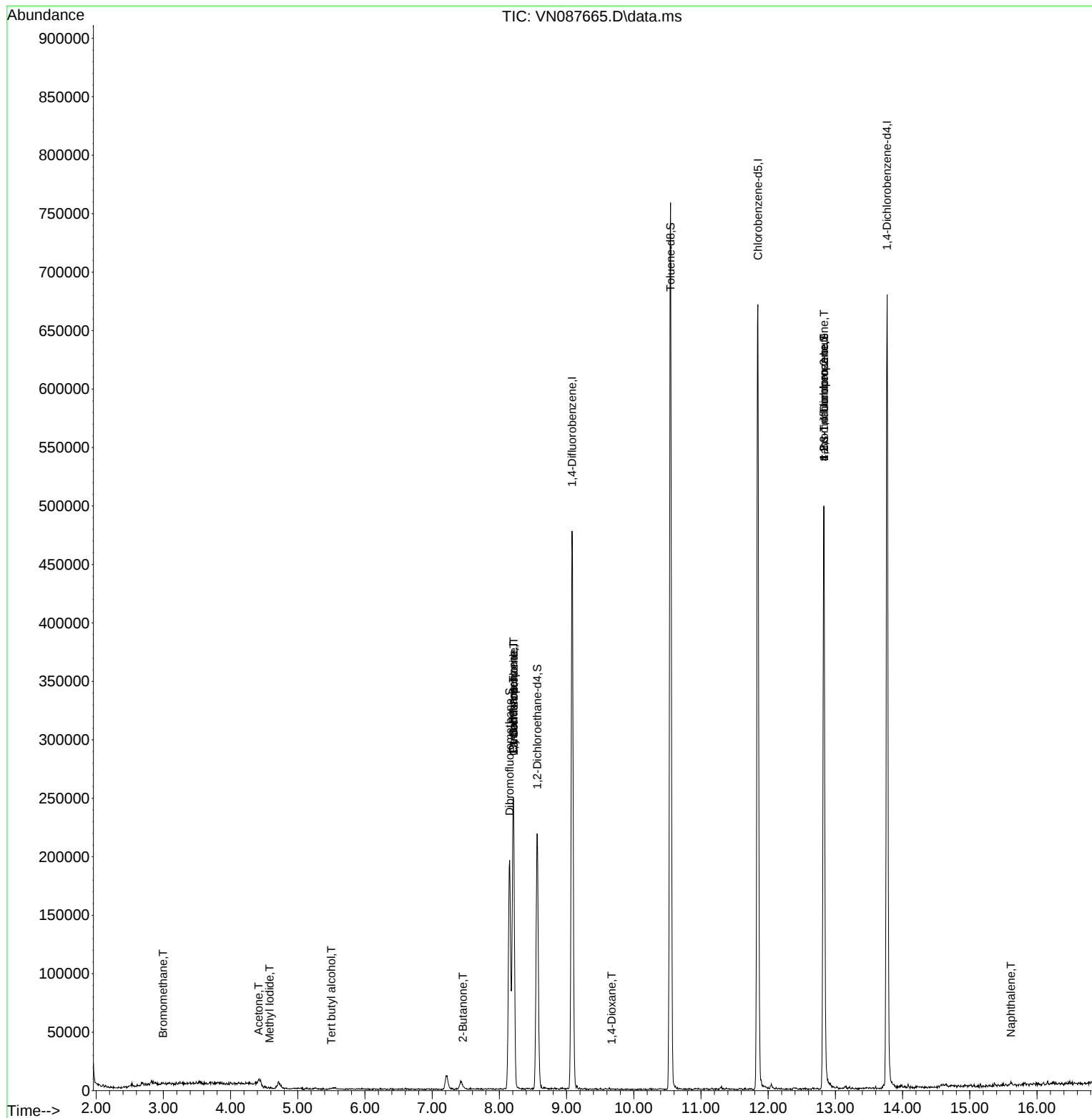
Internal Standards						
1) Pentafluorobenzene	8.206	168	168100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	390971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	365200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	172095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	186364	54.110	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.220%		
35) Dibromofluoromethane	8.153	113	137045	48.549	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.100%		
50) Toluene-d8	10.547	98	500549	47.377	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 94.760%		
62) 4-Bromofluorobenzene	12.829	95	172625	45.944	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 91.880%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.995	94	631	0.430	ug/l #	57
10) Methyl Iodide	4.583	142	157	6.887	ug/l #	38
11) Tert butyl alcohol	5.500	59	871	1.457	ug/l #	71
16) Acetone	4.418	43	5400	2.880	ug/l	96
20) Methylene Chloride	5.259	84	393	Below Cal	#	49
25) 2-Butanone	7.459	43	647	0.262	ug/l #	50
31) Cyclohexane	8.206	56	5575	1.287	ug/l #	48
36) 1,1-Dichloropropene	8.212	75	18379	4.244	ug/l #	51
38) Carbon Tetrachloride	8.212	117	19027	4.450	ug/l #	14
49) 1,4-Dioxane	9.671	88	57	1.006	ug/l #	13
76) 1,2,3-Trichloropropane	12.829	75	102590	25.421	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	102590	67.298	ug/l #	1
95) Naphthalene	15.611	128	2947	0.226	ug/l #	77

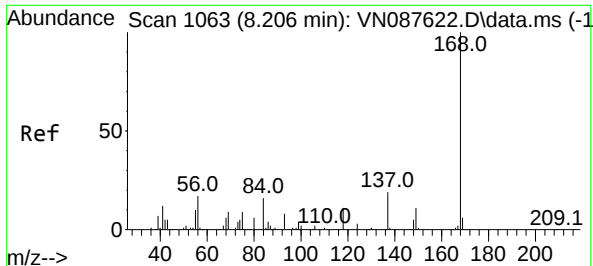
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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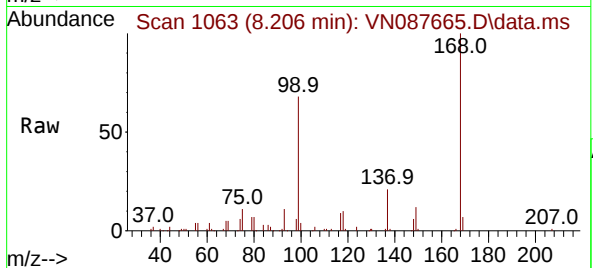
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



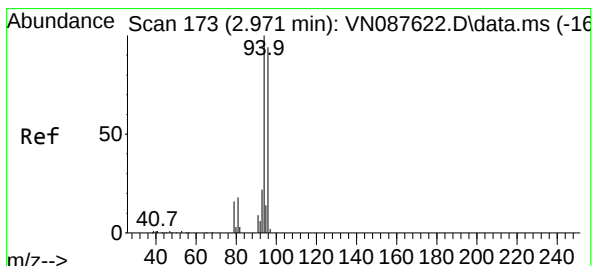
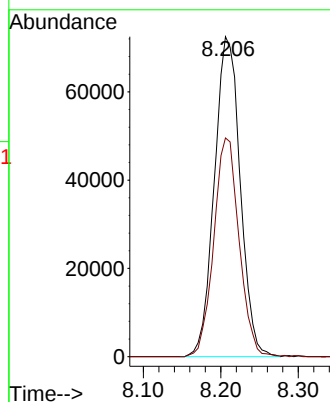
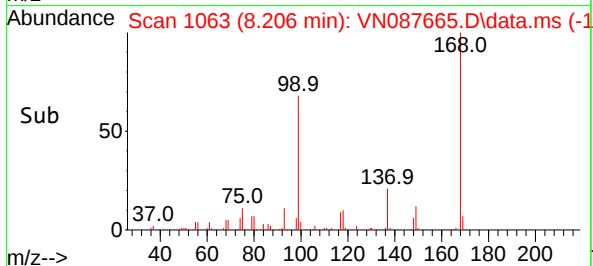


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

Instrument :
MSVOA_N
ClientSampleId :

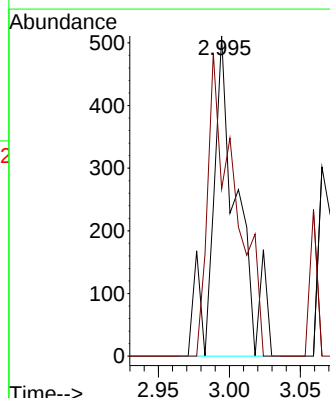
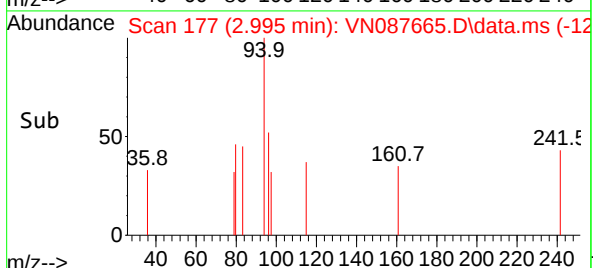
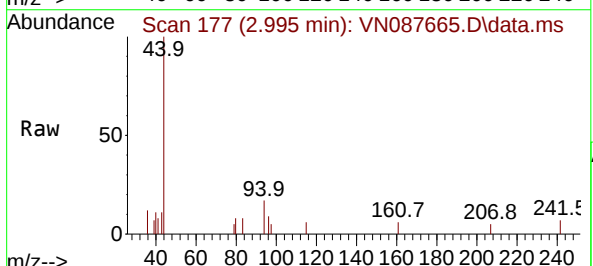


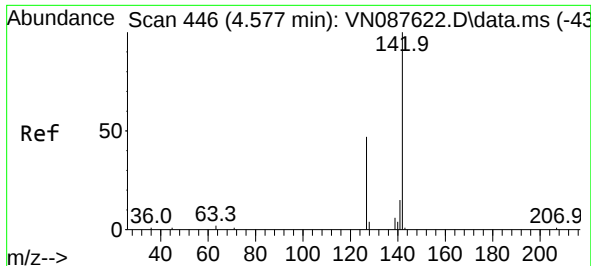
Tgt Ion:168 Resp: 168100
Ion Ratio Lower Upper
168 100
99 68.4 57.2 85.8



#5
Bromomethane
Concen: 0.430 ug/l
RT: 2.995 min Scan# 177
Delta R.T. 0.023 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

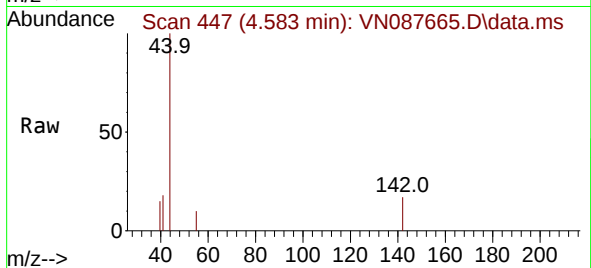
Tgt Ion: 94 Resp: 631
Ion Ratio Lower Upper
94 100
96 52.3 75.4 113.2#



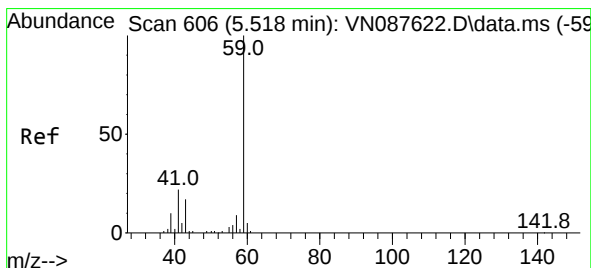
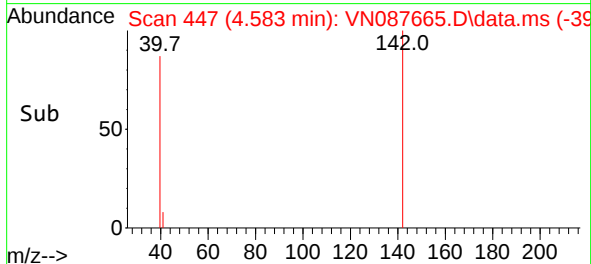
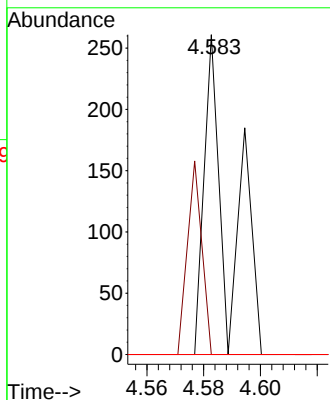


#10
Methyl Iodide
Concen: 6.887 ug/l
RT: 4.583 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

Instrument :
MSVOA_N
ClientSampleId :

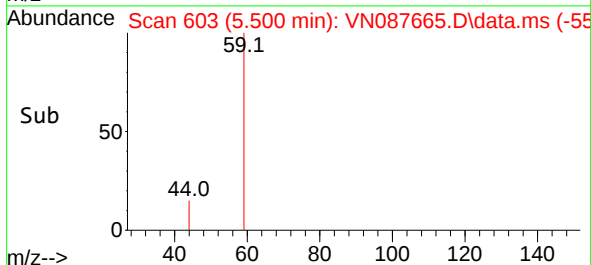
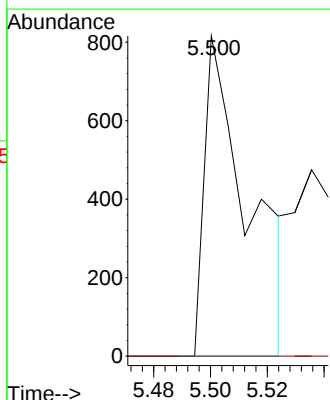
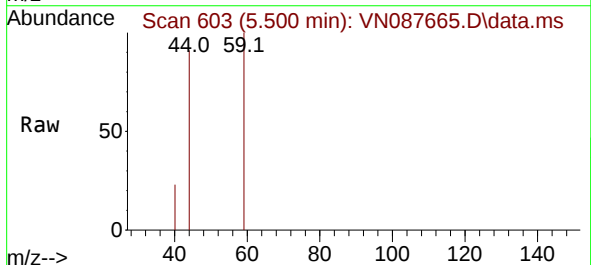


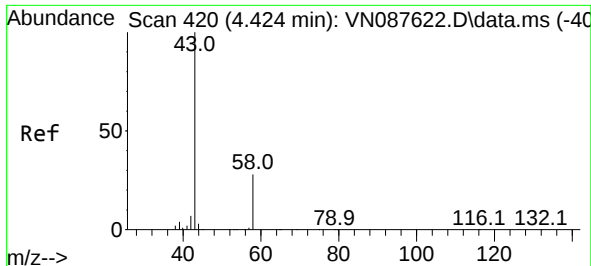
Tgt Ion:142 Resp: 157
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.457 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.018 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

Tgt Ion: 59 Resp: 871
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

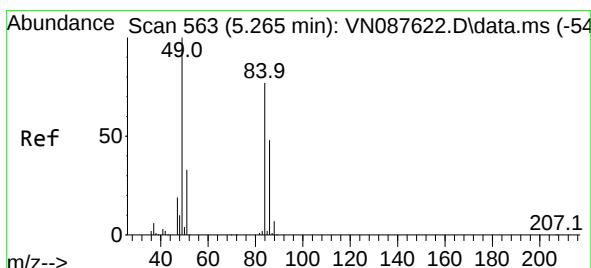
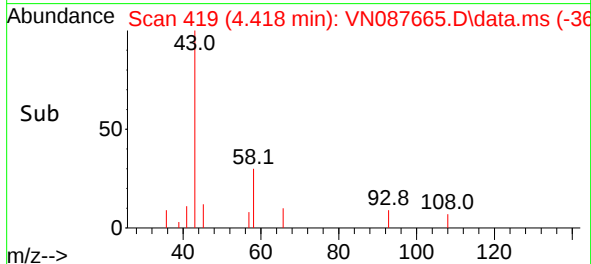
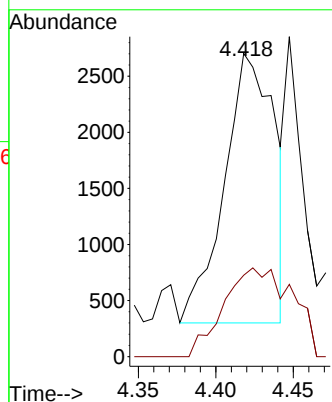
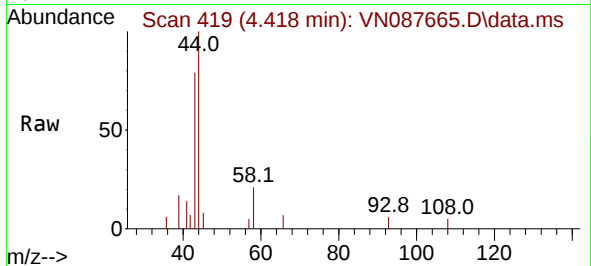




#16
Acetone
Concen: 2.880 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

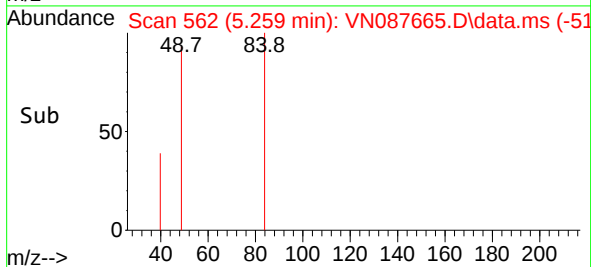
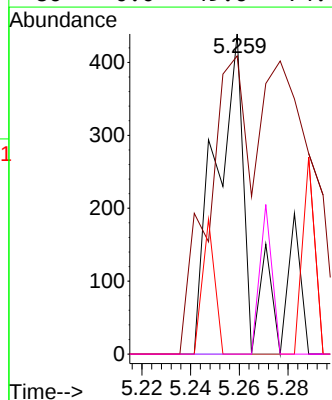
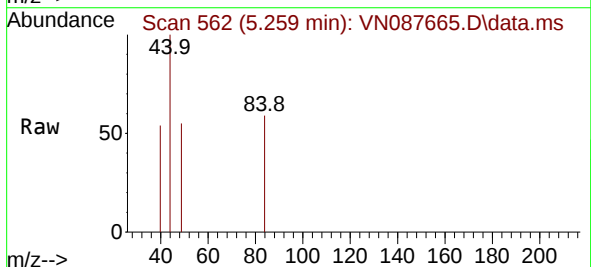
Instrument :
MSVOA_N
ClientSampleId :

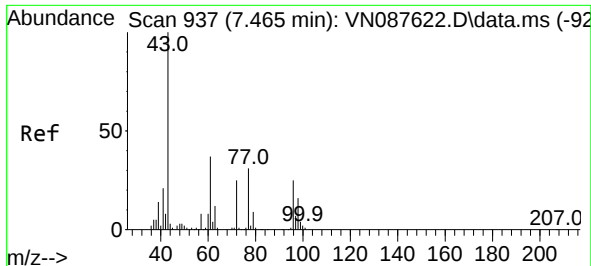
Tgt Ion: 43 Resp: 5400
Ion Ratio Lower Upper
43 100
58 30.2 22.6 33.8



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

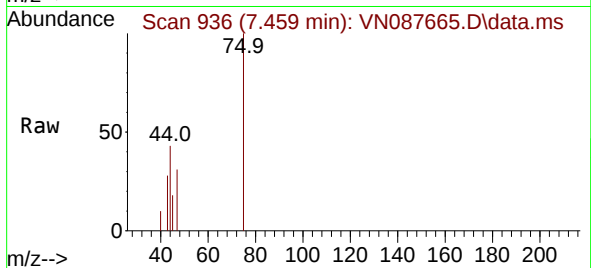
Tgt Ion: 84 Resp: 393
Ion Ratio Lower Upper
84 100
49 93.2 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#



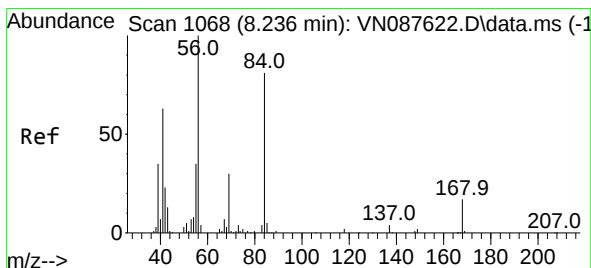
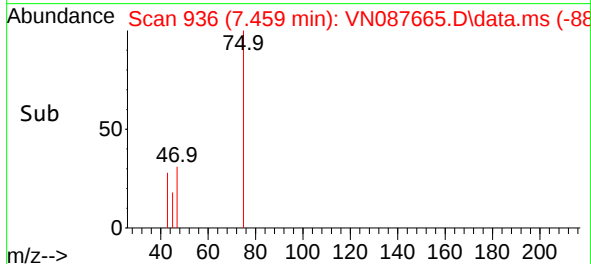
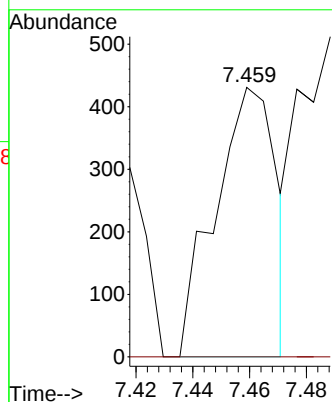


#25
2-Butanone
Concen: 0.262 ug/l
RT: 7.459 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

Instrument :
MSVOA_N
ClientSampleId :

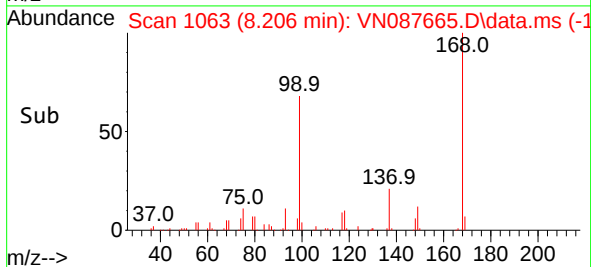
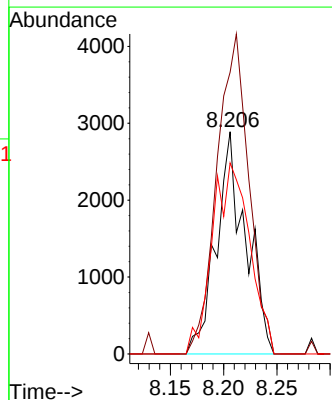
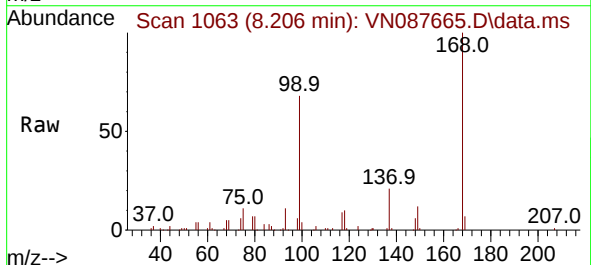


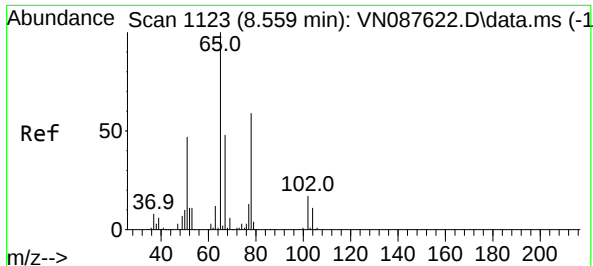
Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.287 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

Tgt Ion: 56 Resp: 5575
Ion Ratio Lower Upper
56 100
69 126.8 23.7 35.5#
84 86.0 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 54.110 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN087665.D

Acq: 25 Aug 2025 17:49

Instrument :

MSVOA_N

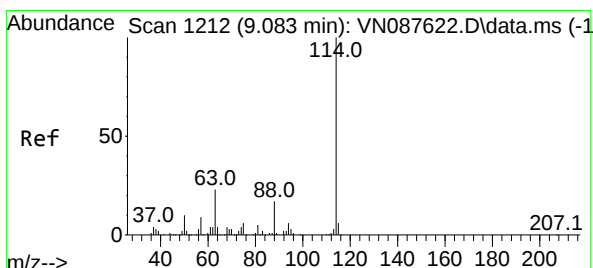
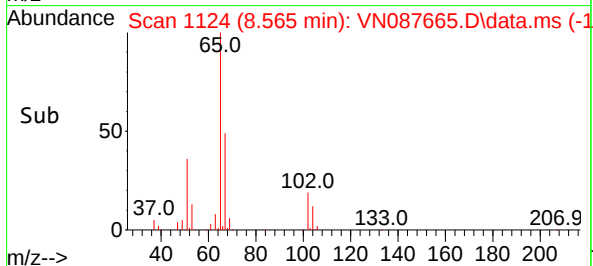
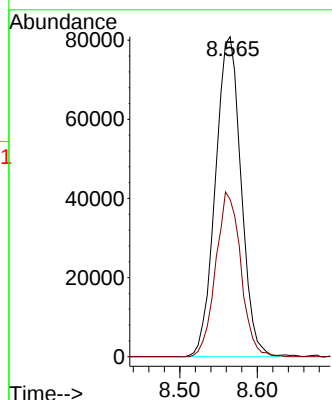
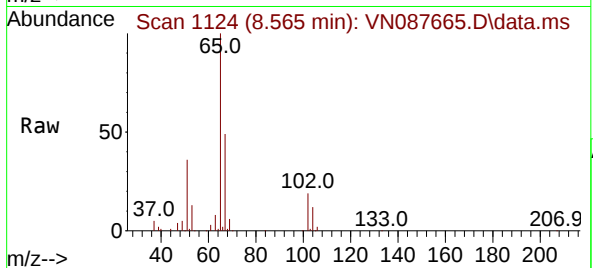
ClientSampleId :

Tgt Ion: 65 Resp: 186364

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087665.D

Acq: 25 Aug 2025 17:49

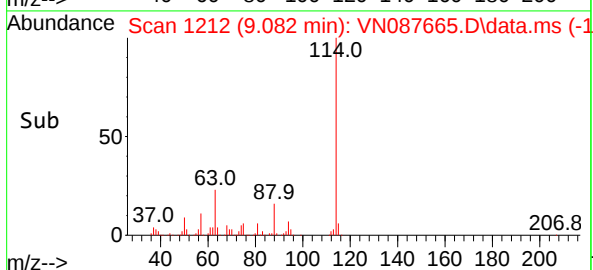
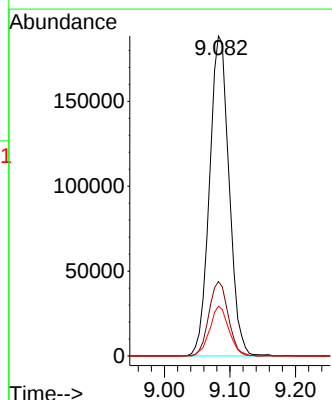
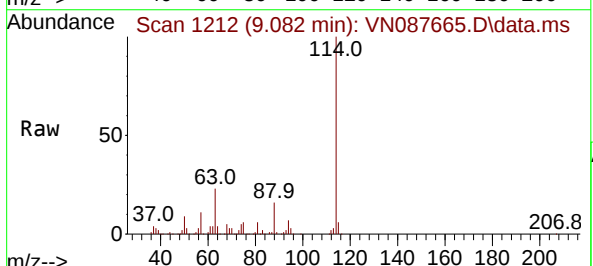
Tgt Ion: 114 Resp: 390971

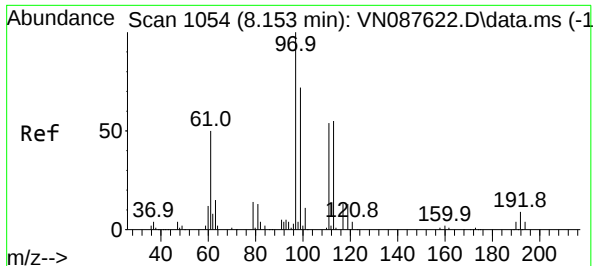
Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.2

88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.549 ug/l

RT: 8.153 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087665.D

Acq: 25 Aug 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

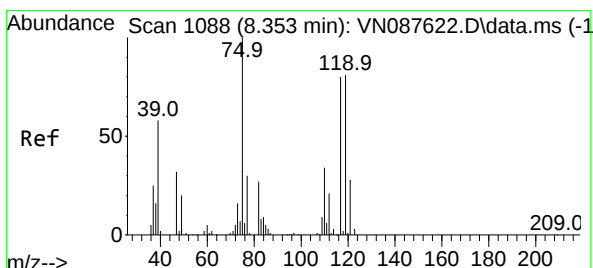
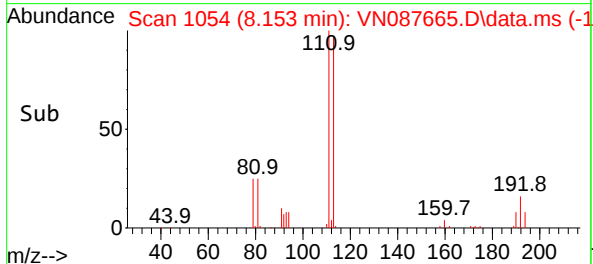
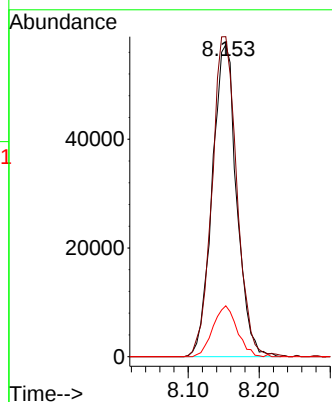
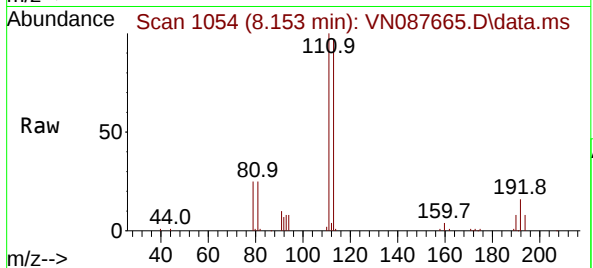
Tgt Ion:113 Resp: 137045

Ion Ratio Lower Upper

113 100

111 104.1 82.8 124.2

192 16.1 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.244 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087665.D

Acq: 25 Aug 2025 17:49

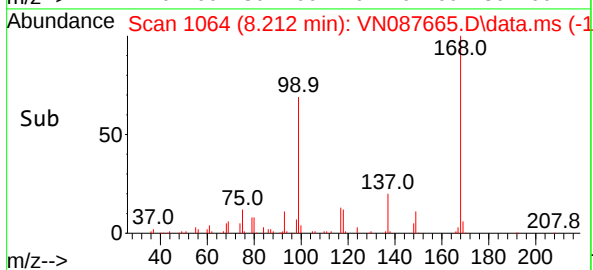
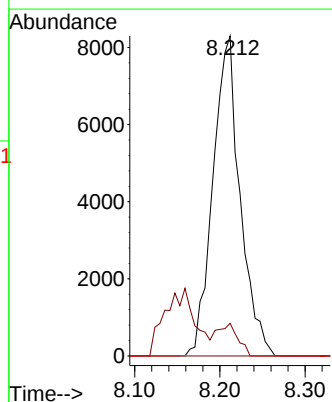
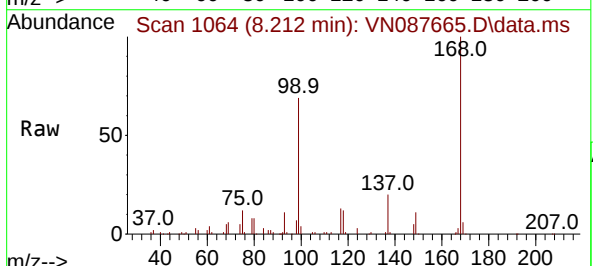
Tgt Ion: 75 Resp: 18379

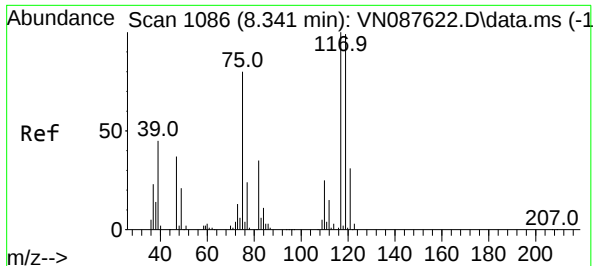
Ion Ratio Lower Upper

75 100

110 7.9 15.9 47.6#

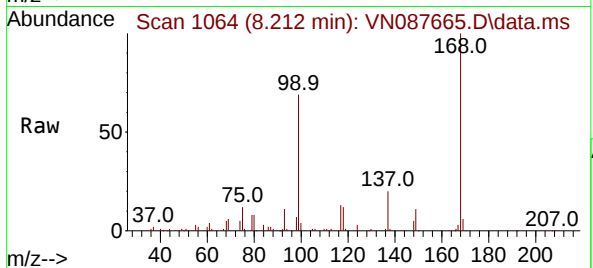
77 0.0 24.4 36.6#



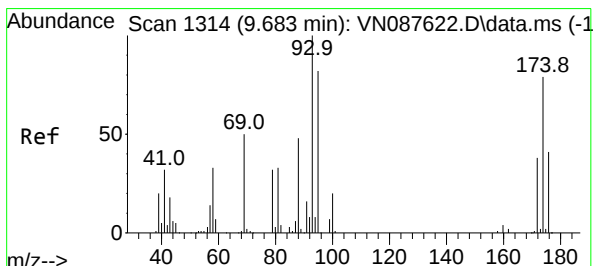
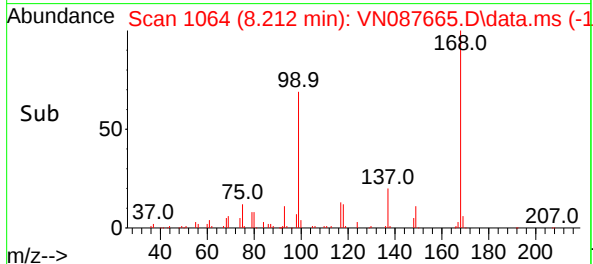
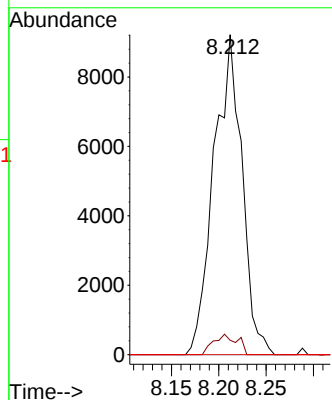


#38
Carbon Tetrachloride
Concen: 4.450 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.130 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

Instrument :
MSVOA_N
ClientSampleId :

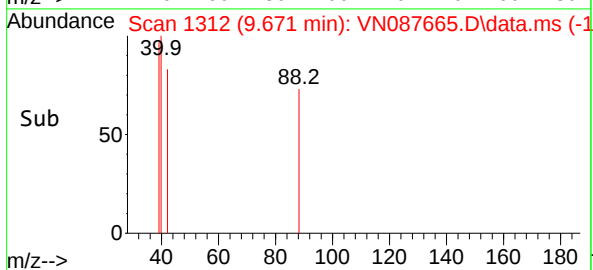
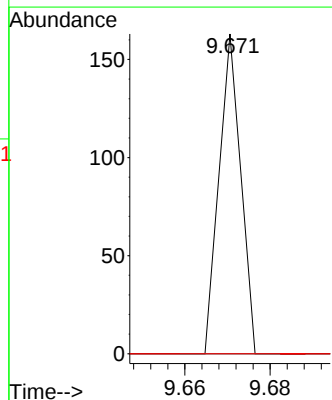
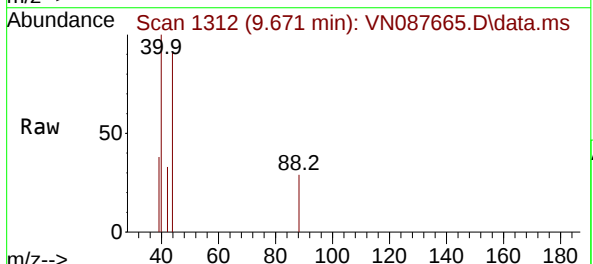


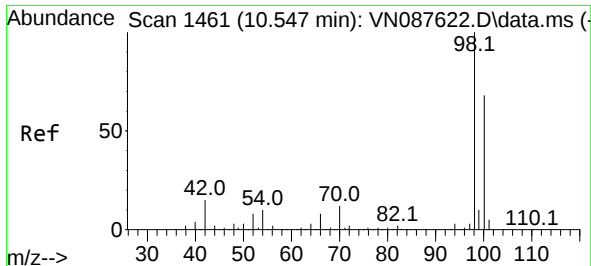
Tgt Ion:117 Resp: 19027
Ion Ratio Lower Upper
117 100
119 4.5 79.0 118.6#
121 0.0 25.0 37.6#



#49
1,4-Dioxane
Concen: 1.006 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 57.9 86.9#

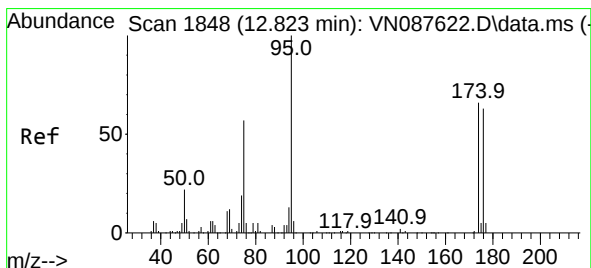
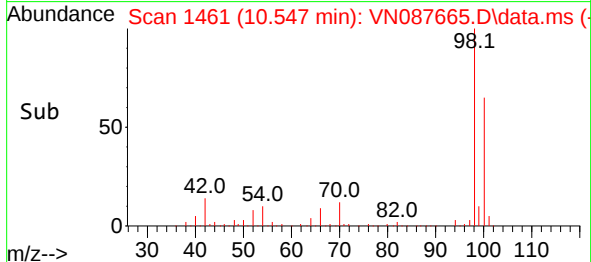
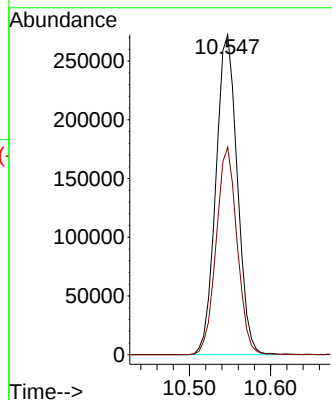
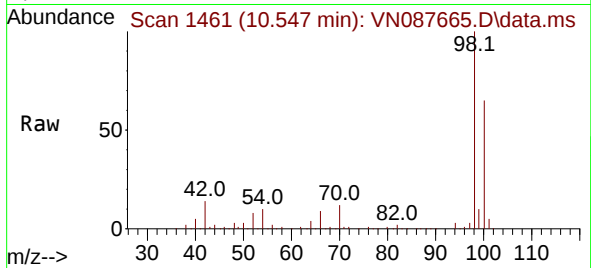




#50
Toluene-d8
Concen: 47.377 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

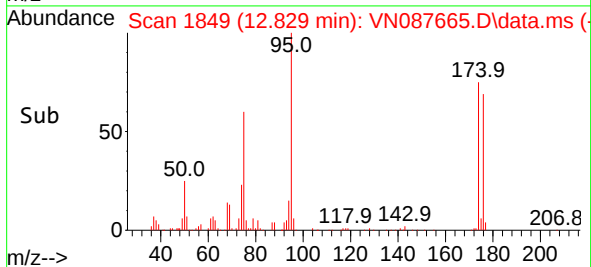
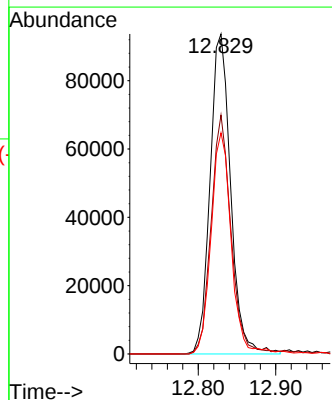
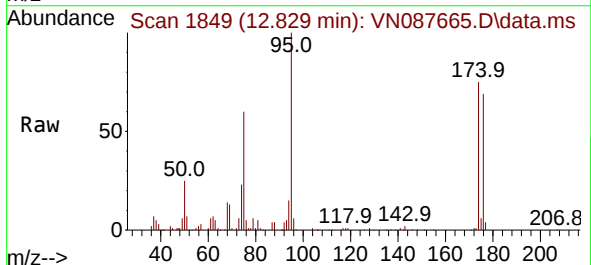
Instrument :
MSVOA_N
ClientSampleId :

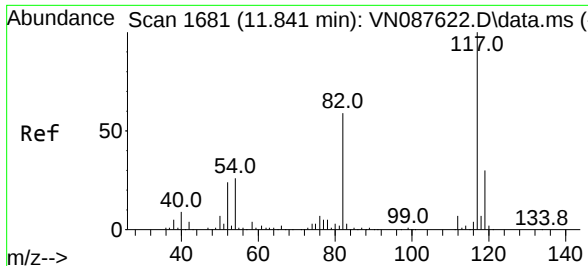
Tgt Ion: 98 Resp: 500549
Ion Ratio Lower Upper
98 100
100 63.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.944 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

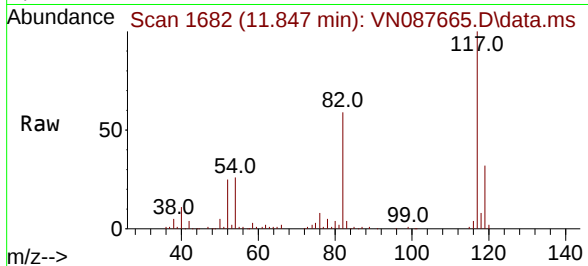
Tgt Ion: 95 Resp: 172625
Ion Ratio Lower Upper
95 100
174 72.3 0.0 138.4
176 67.9 0.0 132.6



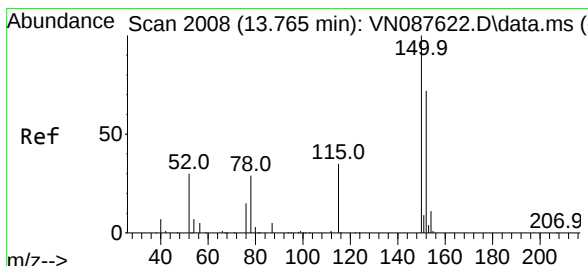
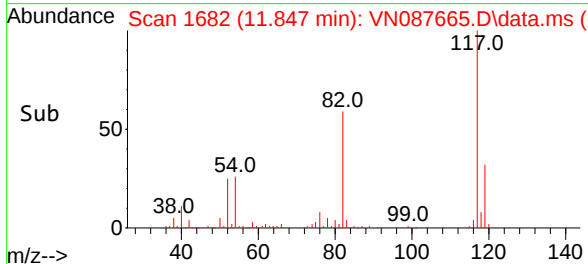
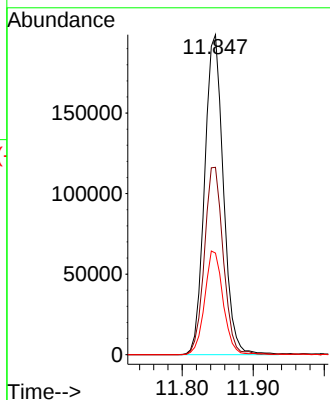


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

Instrument :
MSVOA_N
ClientSampleId :

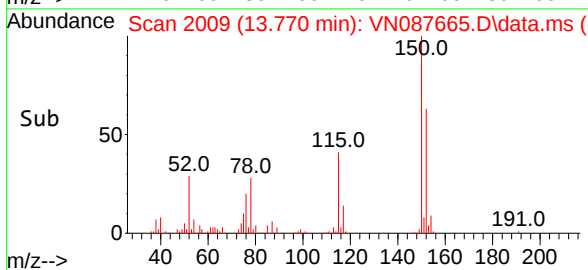
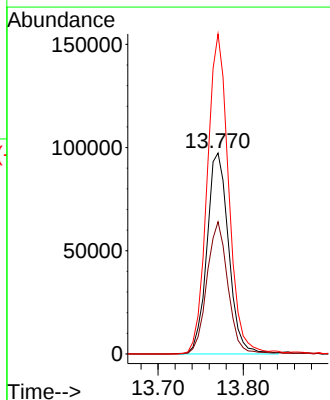
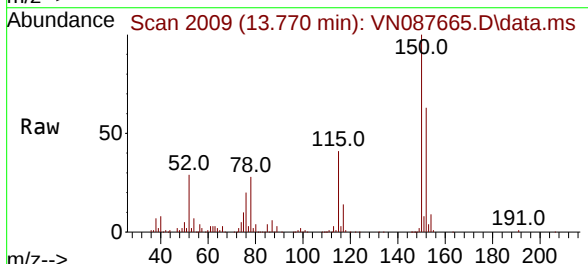


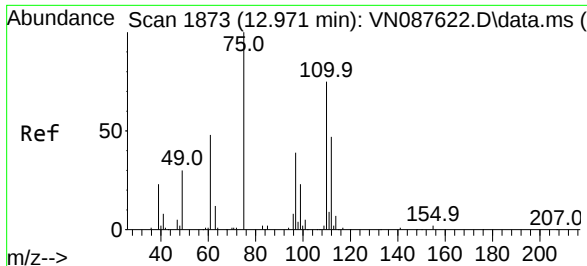
Tgt Ion:117 Resp: 365200
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.8 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

Tgt Ion:152 Resp: 172095
Ion Ratio Lower Upper
152 100
115 64.0 32.3 96.8
150 157.7 0.0 351.0

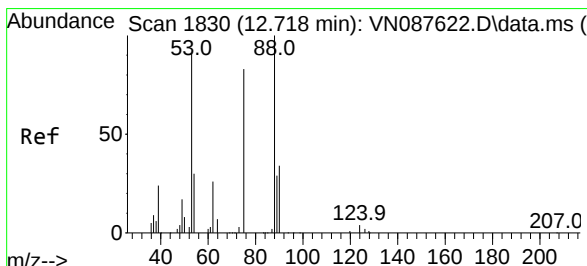
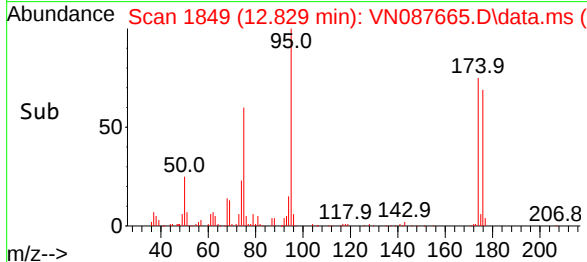
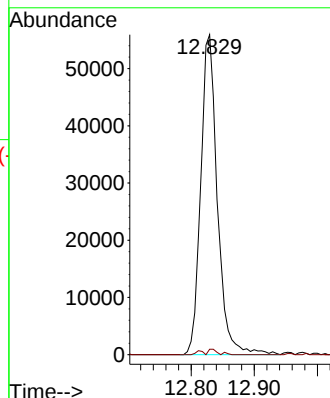
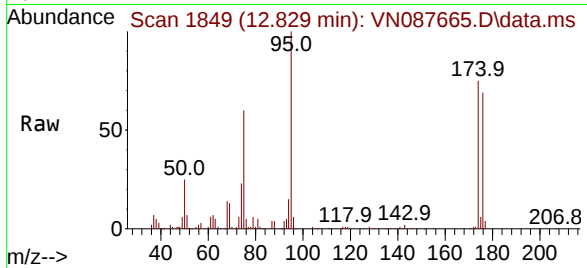




#76
1,2,3-Trichloropropane
Concen: 25.421 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

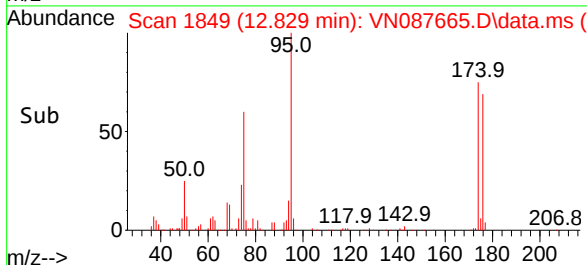
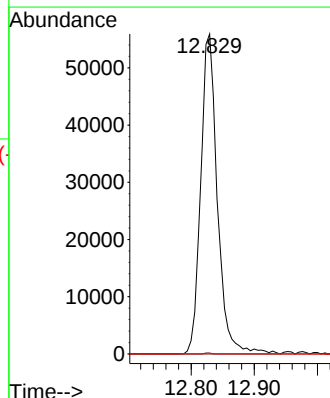
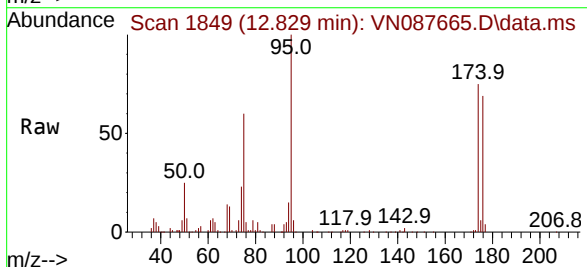
Instrument :
MSVOA_N
ClientSampleId :

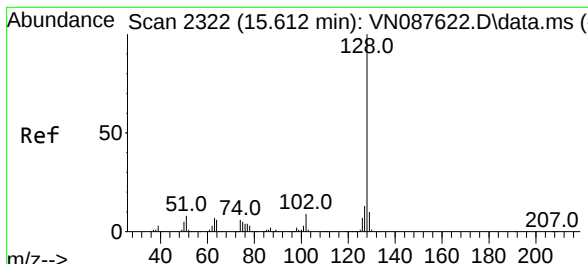
Tgt Ion: 75 Resp: 102590
Ion Ratio Lower Upper
75 100
77 0.8 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.298 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087665.D
Acq: 25 Aug 2025 17:49

Tgt Ion: 75 Resp: 102590
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#





#95
 Naphthalene
 Concen: 0.226 ug/l
 RT: 15.611 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN087665.D
 Acq: 25 Aug 2025 17:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:	128	Resp:	2947
Ion	Ratio	Lower	Upper
128	100		
127	5.8	10.6	15.8#
129	0.0	8.6	12.8#

