

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092525\
 Data File : VN087955.D
 Acq On : 25 Sep 2025 15:24
 Operator : JC\MD
 Sample : Q3177-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 07:32:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

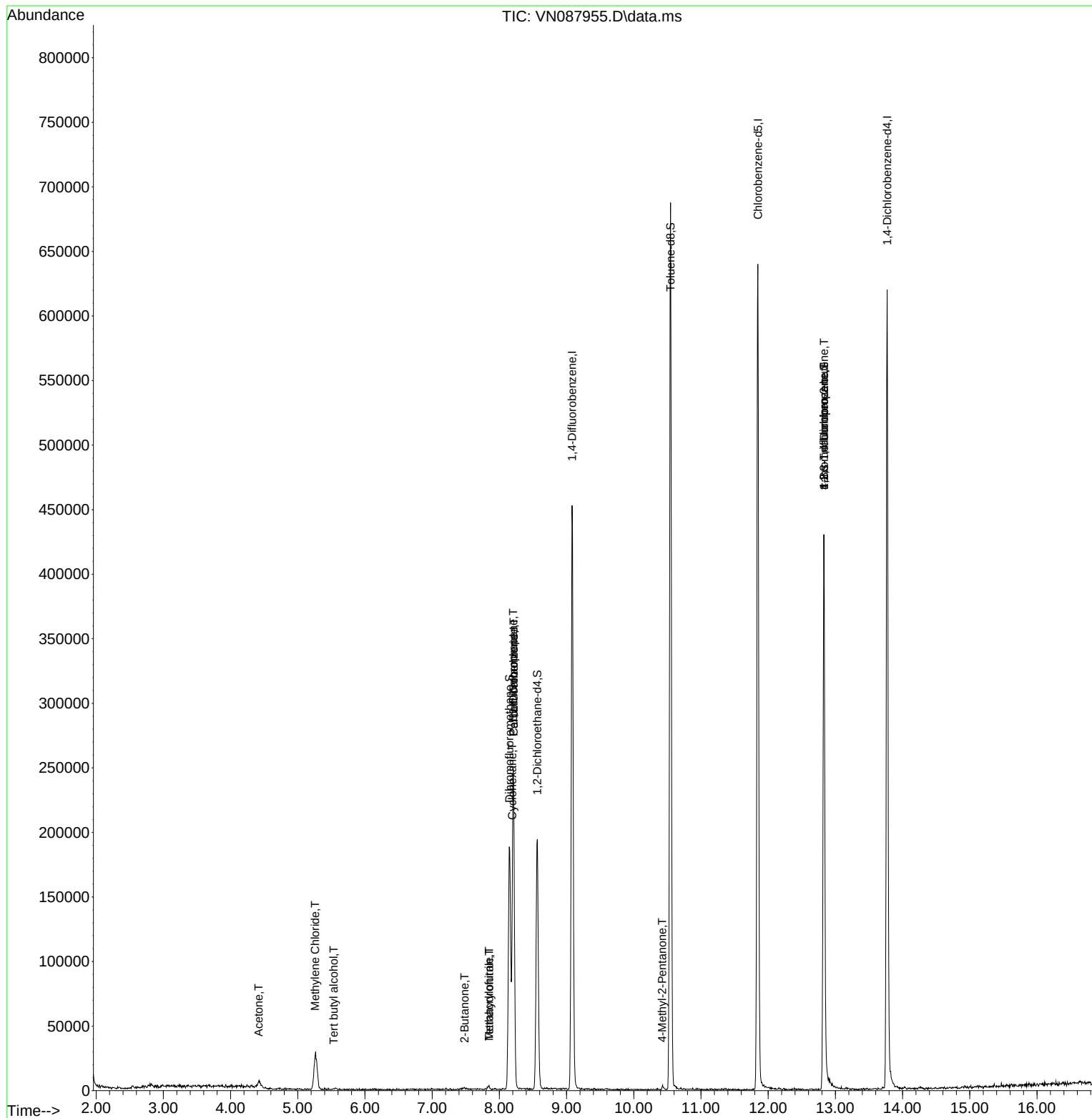
Internal Standards						
1) Pentafluorobenzene	8.212	168	173667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	381223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	364834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	168811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	160415	54.886	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.780%	
35) Dibromofluoromethane	8.147	113	138977	50.210	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.420%	
50) Toluene-d8	10.547	98	461273	47.390	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.780%	
62) 4-Bromofluorobenzene	12.829	95	153204	44.034	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 88.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	252	0.599	ug/l #	71
16) Acetone	4.418	43	9249	7.691	ug/l #	87
20) Methylene Chloride	5.259	84	22431	9.216	ug/l #	87
25) 2-Butanone	7.482	43	1978	1.076	ug/l #	48
29) Tetrahydrofuran	7.847	42	1579	1.342	ug/l #	49
31) Cyclohexane	8.194	56	2855	0.871	ug/l #	47
36) 1,1-Dichloropropene	8.206	75	16348	4.912	ug/l #	42
38) Carbon Tetrachloride	8.212	117	18462	4.834	ug/l #	20
41) Methacrylonitrile	7.847	41	923	0.409	ug/l #	29
51) 4-Methyl-2-Pentanone	10.423	43	1874	0.437	ug/l	93
76) 1,2,3-Trichloropropane	12.829	75	81317	24.437	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	81317	67.857	ug/l #	9

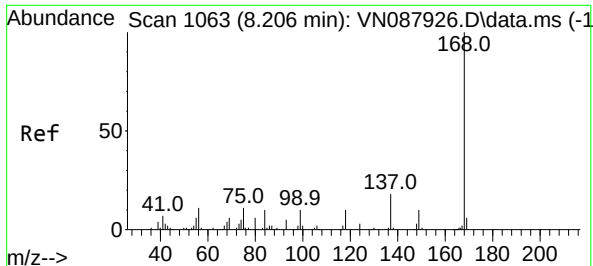
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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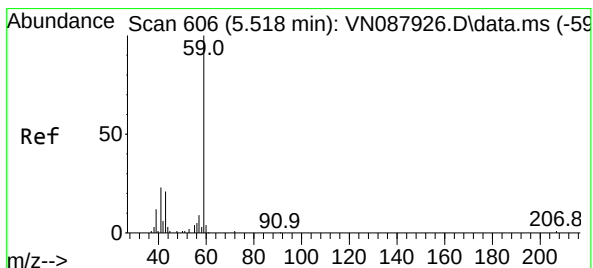
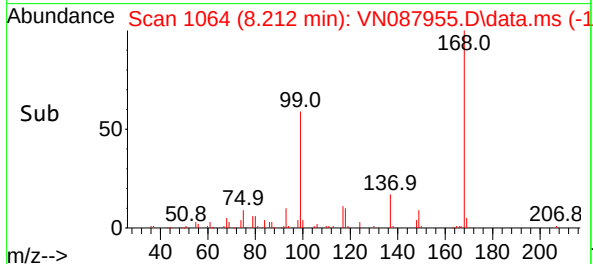
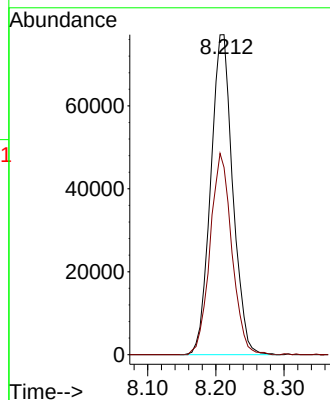
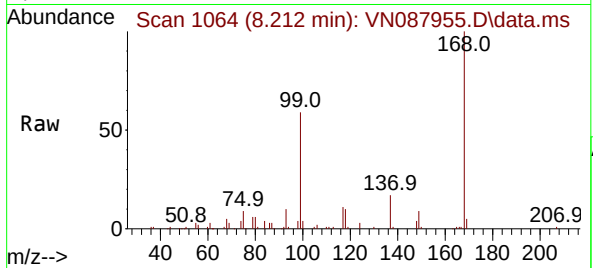




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

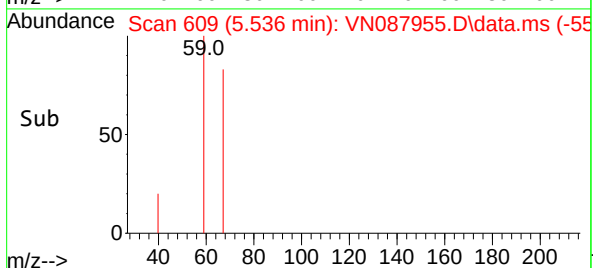
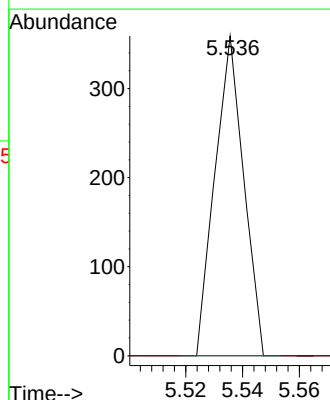
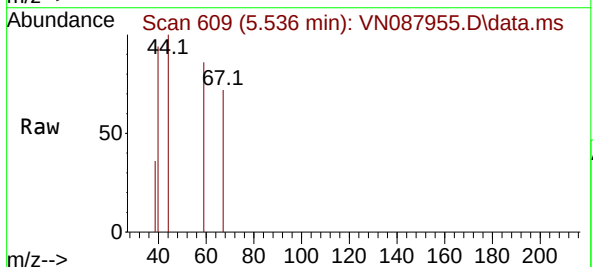
Instrument :
MSVOA_N
ClientSampleId :

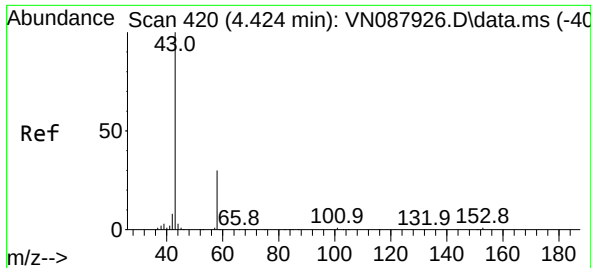
Tgt Ion:168 Resp: 173667
Ion Ratio Lower Upper
168 100
99 58.5 52.2 78.2



#11
Tert butyl alcohol
Concen: 0.599 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.018 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

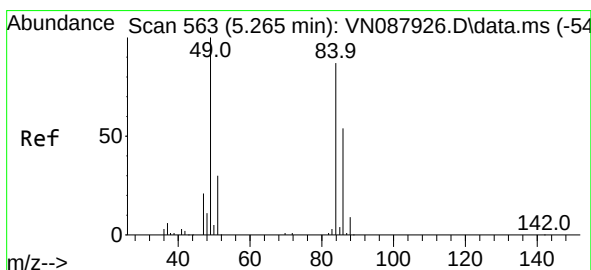
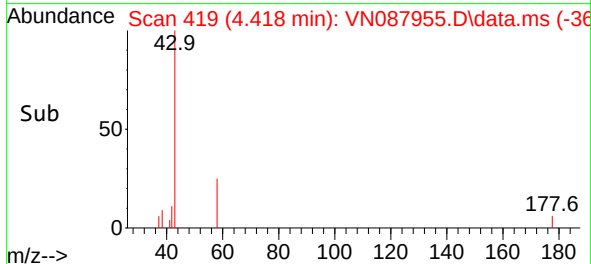
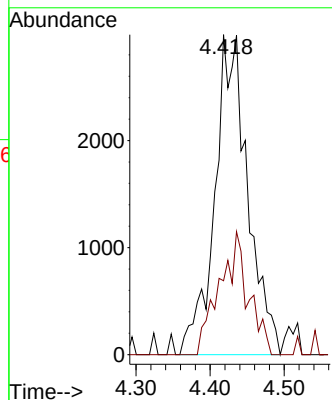
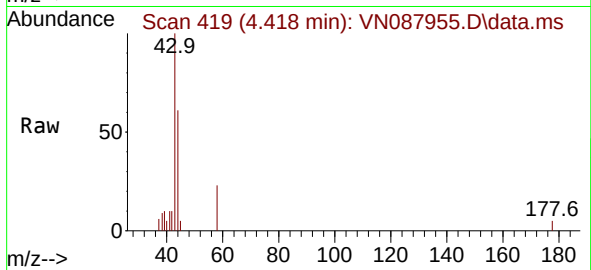




#16
Acetone
Concen: 7.691 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

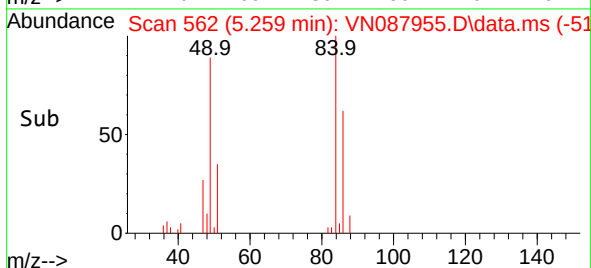
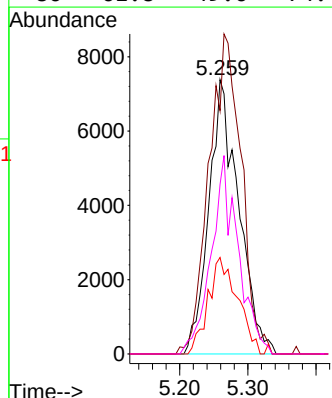
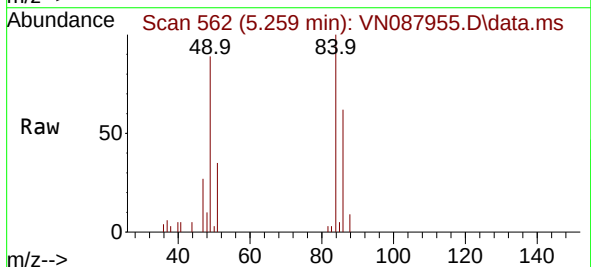
Instrument :
MSVOA_N
ClientSampleId :

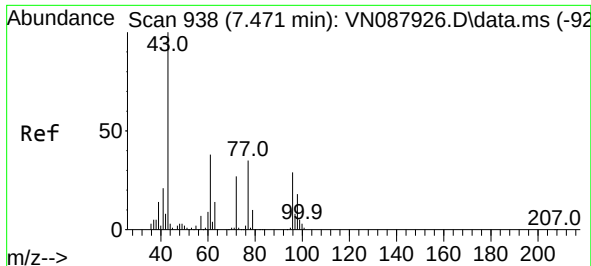
Tgt Ion: 43 Resp: 9249
Ion Ratio Lower Upper
43 100
58 23.1 24.1 36.1#



#20
Methylene Chloride
Concen: 9.216 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

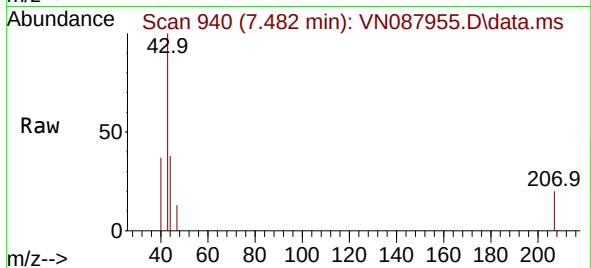
Tgt Ion: 84 Resp: 22431
Ion Ratio Lower Upper
84 100
49 88.7 92.1 138.1#
51 35.2 27.7 41.5
86 61.8 49.6 74.4



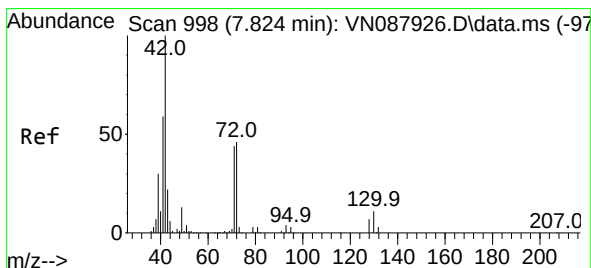
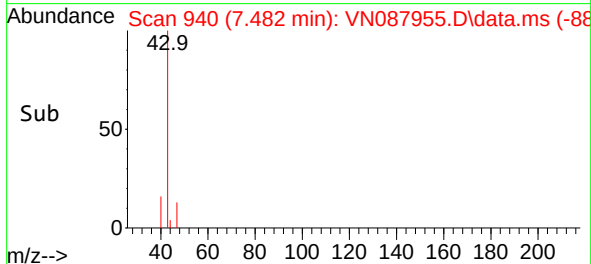
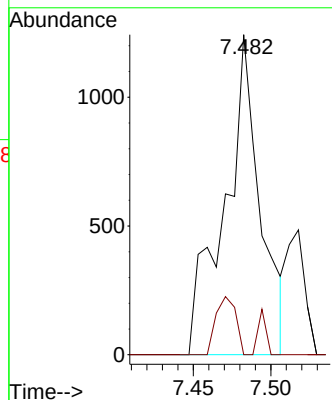


#25
2-Butanone
Concen: 1.076 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

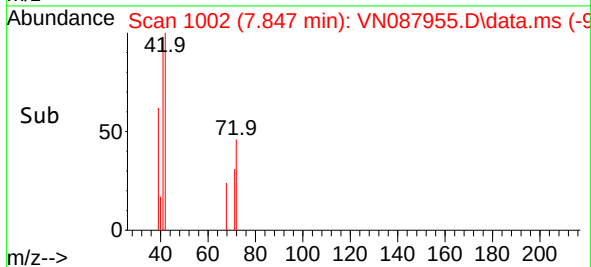
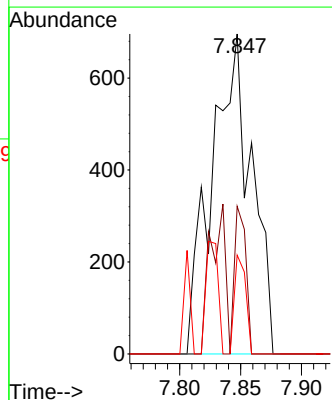
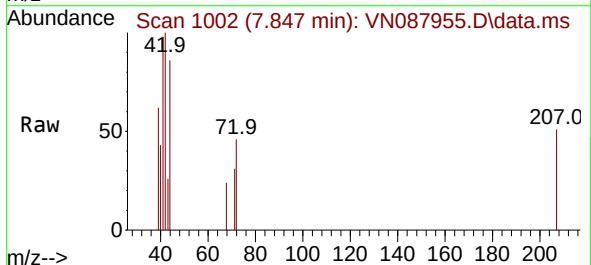


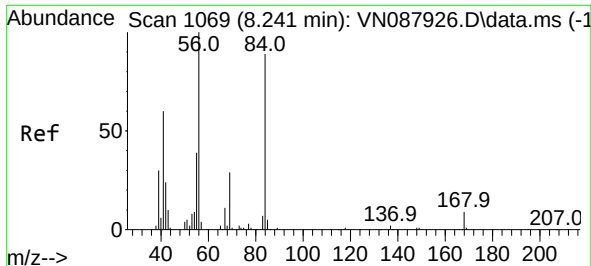
Tgt Ion: 43 Resp: 1978
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#29
Tetrahydrofuran
Concen: 1.342 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.023 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

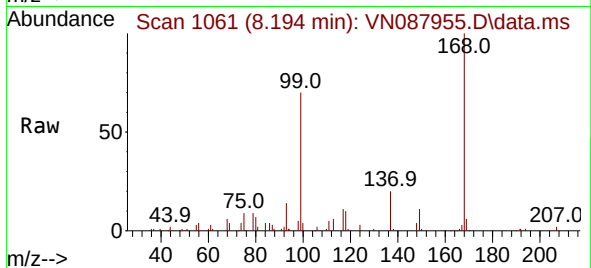
Tgt Ion: 42 Resp: 1579
Ion Ratio Lower Upper
42 100
72 13.2 36.5 54.7#
71 8.8 33.8 50.8#



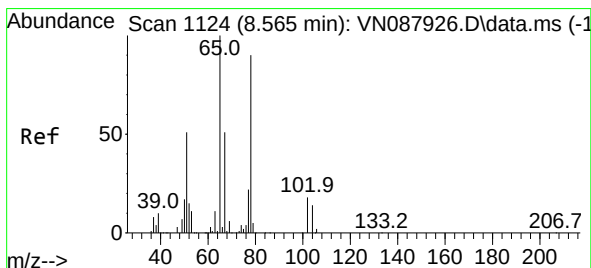
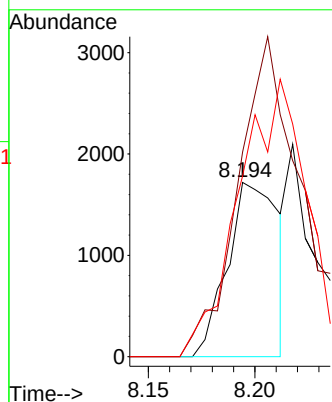
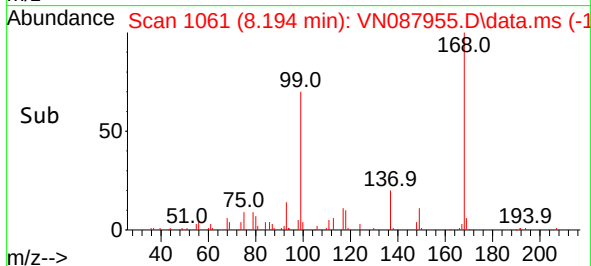


#31
Cyclohexane
Concen: 0.871 ug/l
RT: 8.194 min Scan# 1061
Delta R.T. -0.047 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

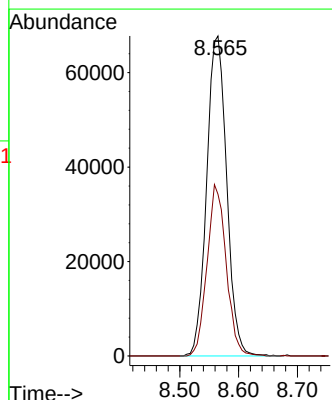
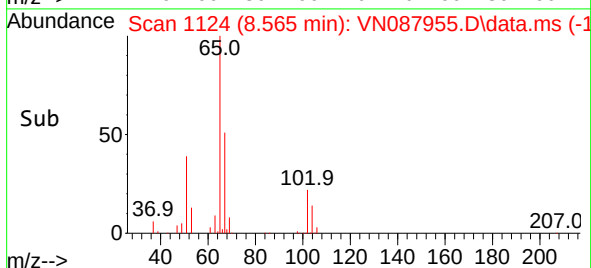
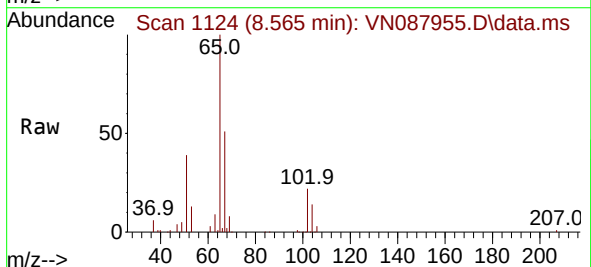


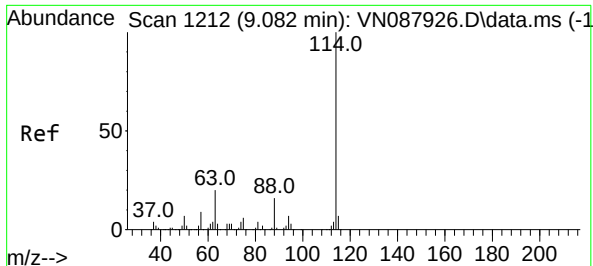
Tgt Ion: 56 Resp: 2855
Ion Ratio Lower Upper
56 100
69 117.4 23.4 35.0#
84 103.6 70.8 106.2



#33
1,2-Dichloroethane-d4
Concen: 54.886 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.000 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

Tgt Ion: 65 Resp: 160415
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087955.D

Acq: 25 Sep 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

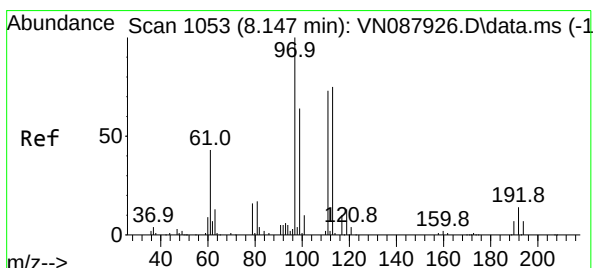
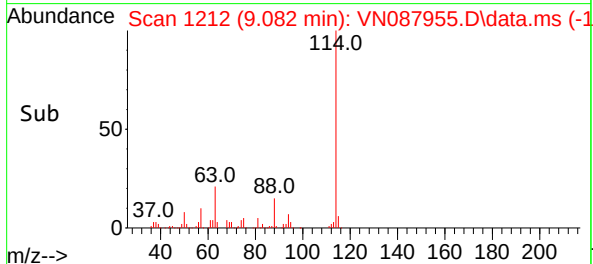
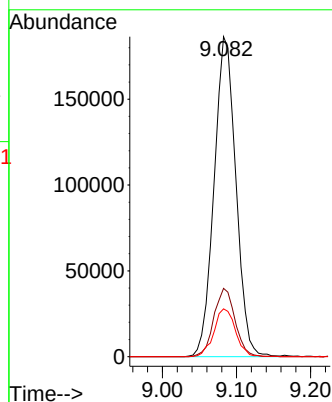
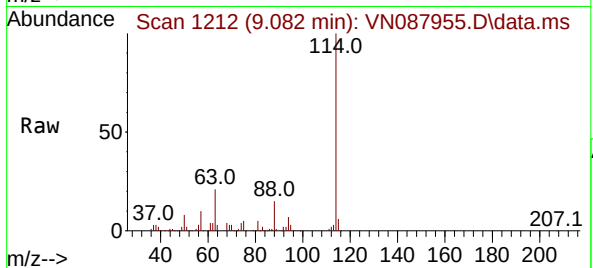
Tgt Ion:114 Resp: 381223

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.210 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VN087955.D

Acq: 25 Sep 2025 15:24

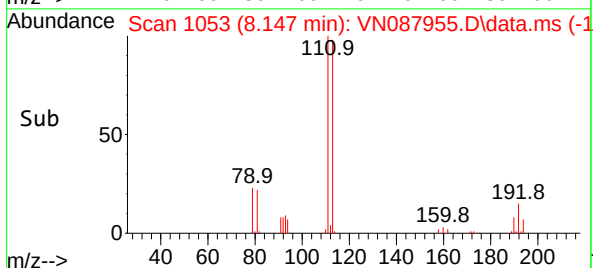
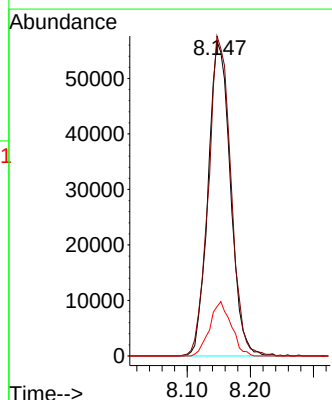
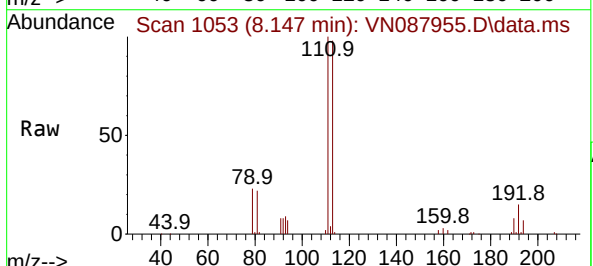
Tgt Ion:113 Resp: 138977

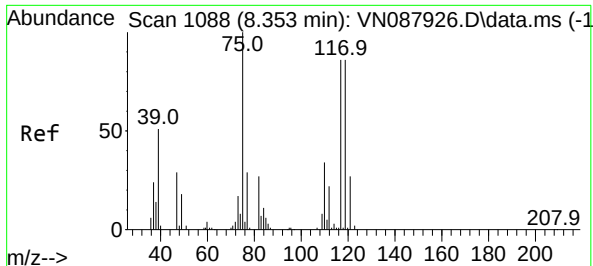
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

192 16.7 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.912 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

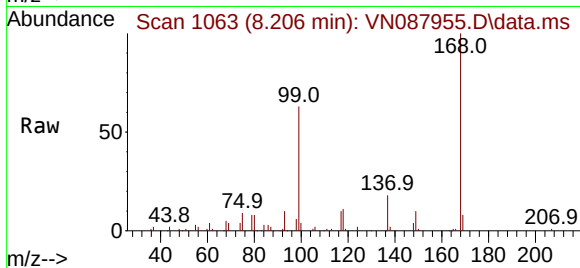
Lab File: VN087955.D

Acq: 25 Sep 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :



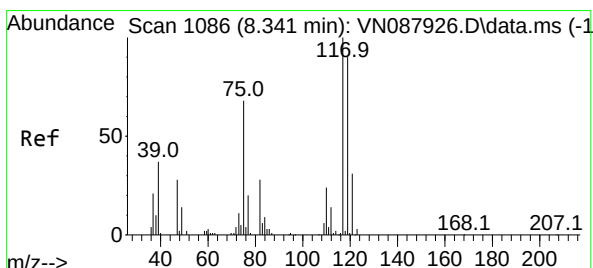
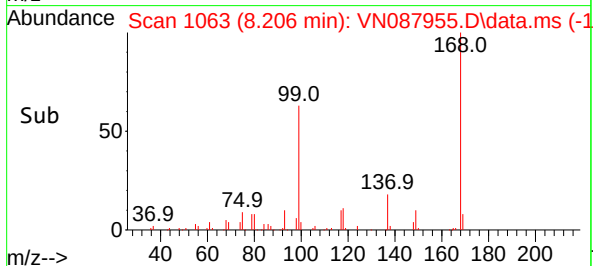
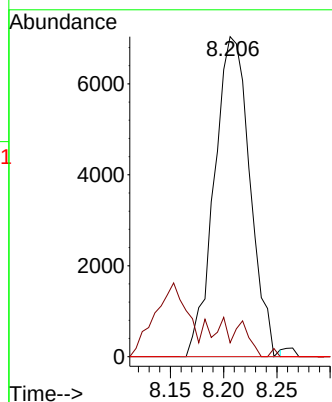
Tgt Ion: 75 Resp: 16348

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.834 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.129 min

Lab File: VN087955.D

Acq: 25 Sep 2025 15:24

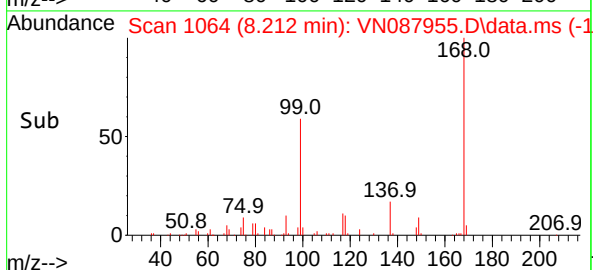
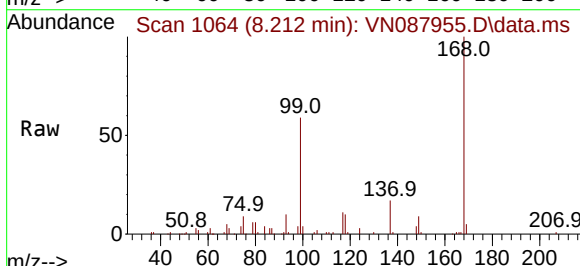
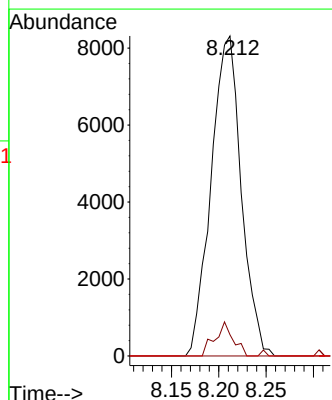
Tgt Ion: 117 Resp: 18462

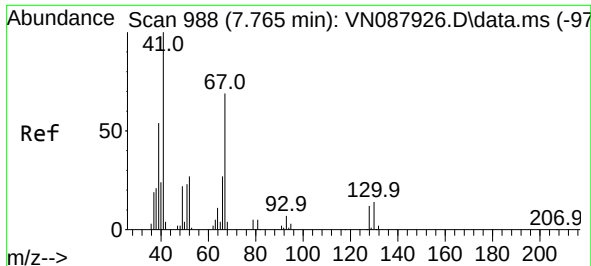
Ion Ratio Lower Upper

117 100

119 6.6 72.1 108.1#

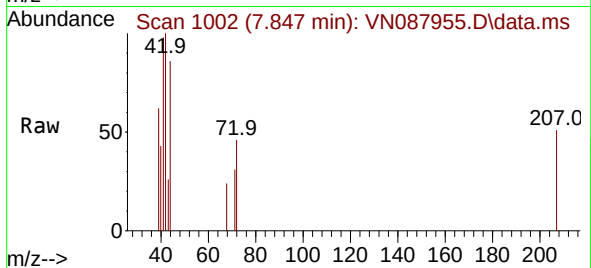
121 0.0 24.6 36.8#



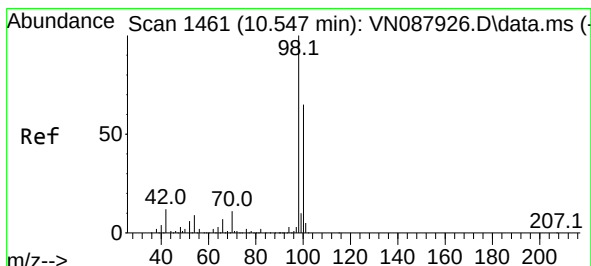
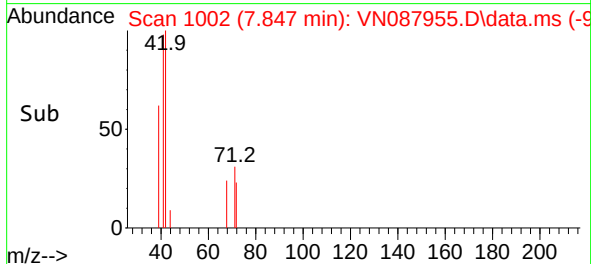
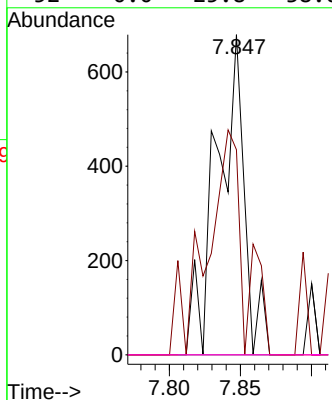


#41
Methacrylonitrile
Concen: 0.409 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.082 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

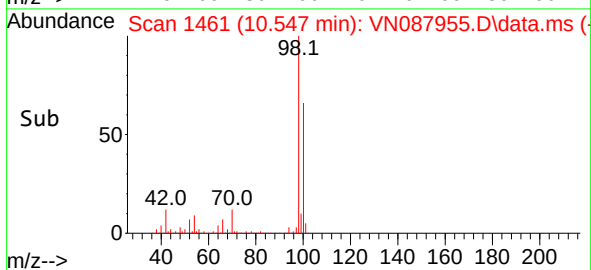
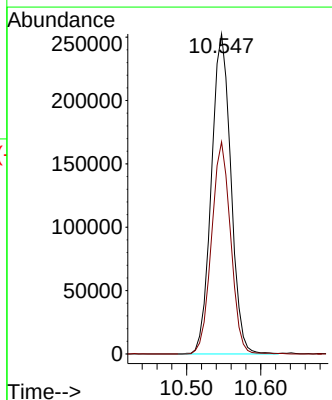
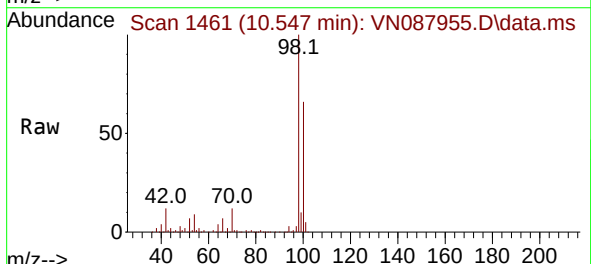


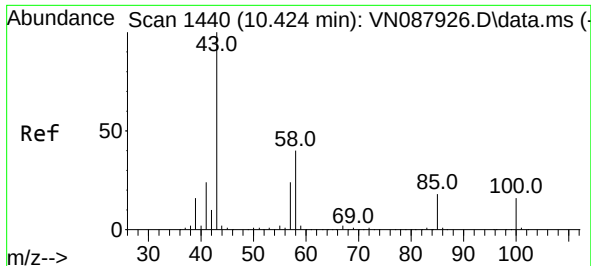
Tgt Ion: 41 Resp: 923
Ion Ratio Lower Upper
41 100
39 96.5 43.5 65.3#
67 0.0 57.6 86.4#
52 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.390 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

Tgt Ion: 98 Resp: 461273
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5

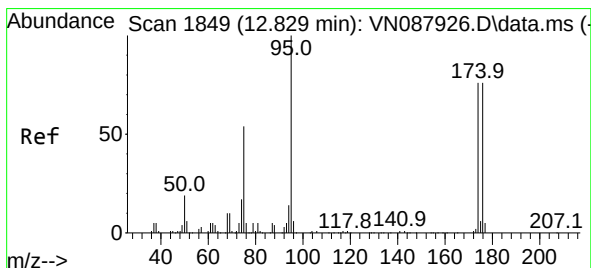
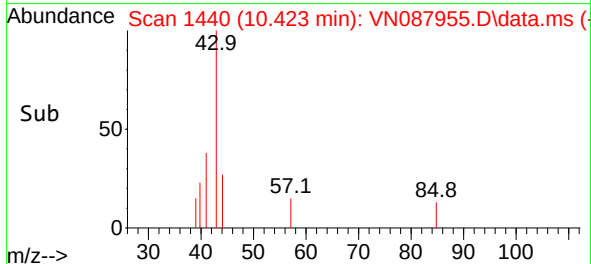
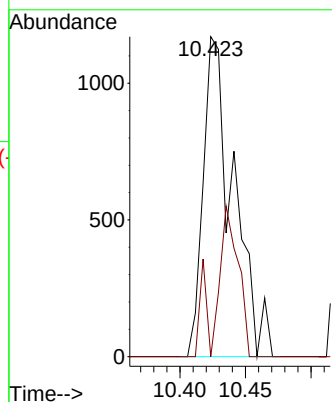
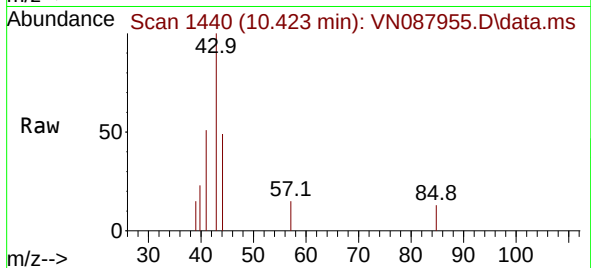




#51
4-Methyl-2-Pentanone
Concen: 0.437 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

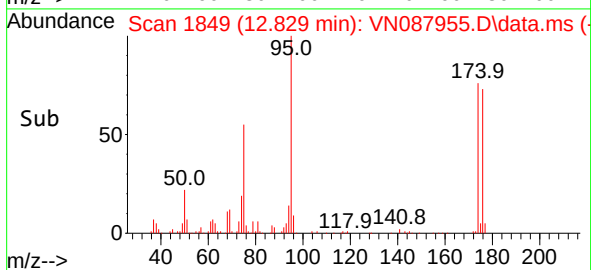
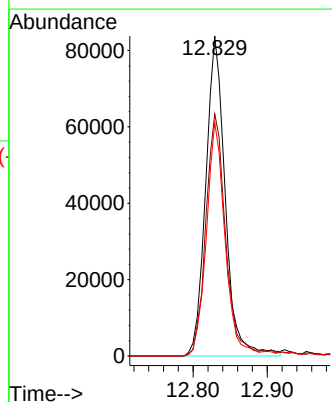
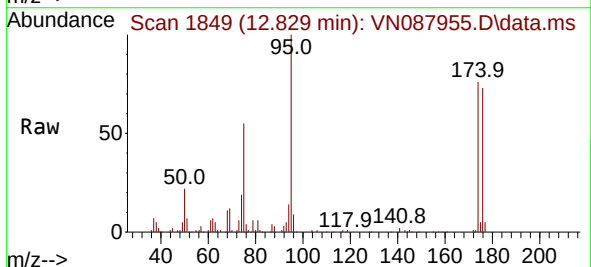
Instrument :
MSVOA_N
ClientSampleId :

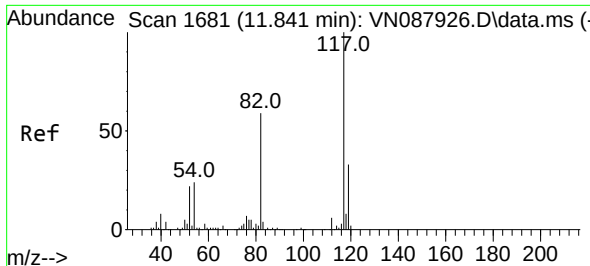
Tgt Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
58 34.7 31.0 46.6



#62
4-Bromofluorobenzene
Concen: 44.034 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

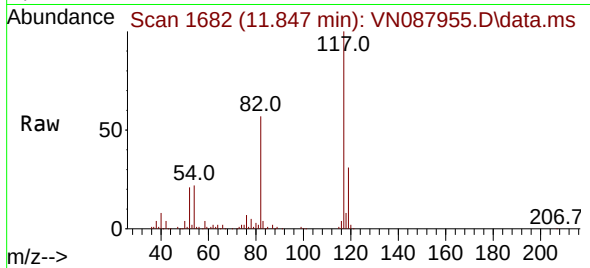
Tgt Ion: 95 Resp: 153204
Ion Ratio Lower Upper
95 100
174 76.2 0.0 159.2
176 70.8 0.0 152.6



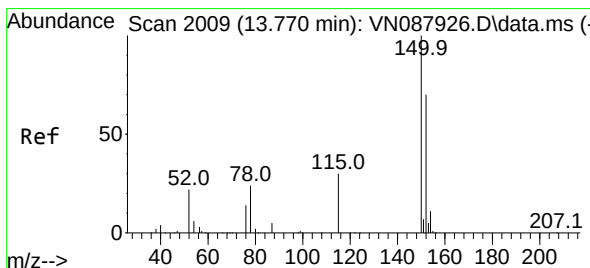
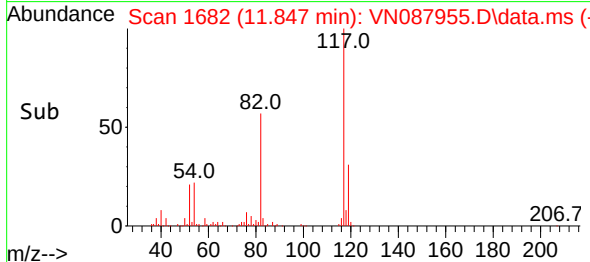
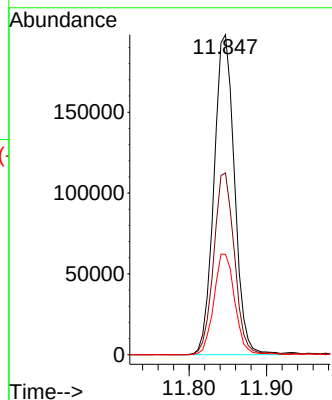


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

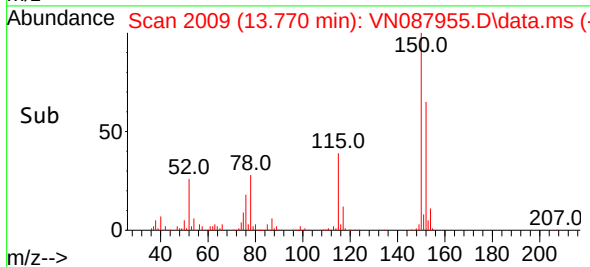
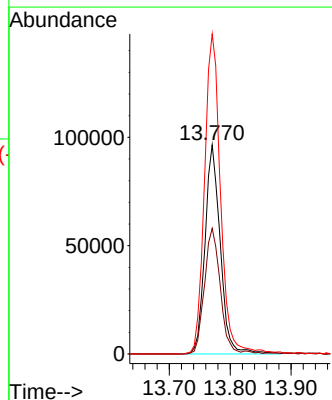
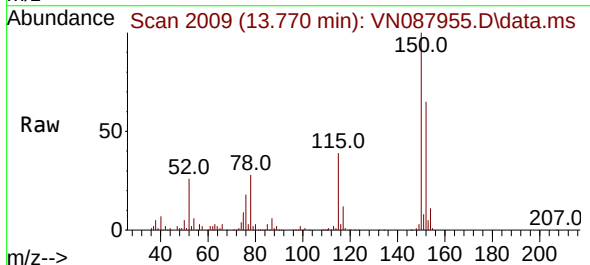


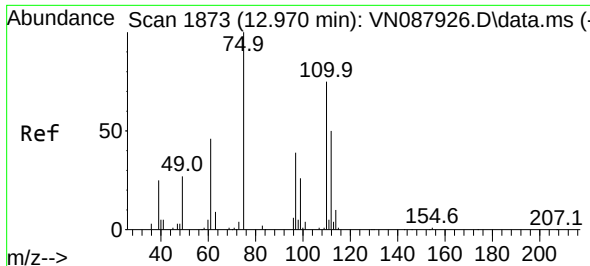
Tgt Ion:117 Resp: 364834
Ion Ratio Lower Upper
117 100
82 56.8 47.0 70.4
119 31.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

Tgt Ion:152 Resp: 168811
Ion Ratio Lower Upper
152 100
115 61.4 29.9 89.7
150 160.5 0.0 335.0

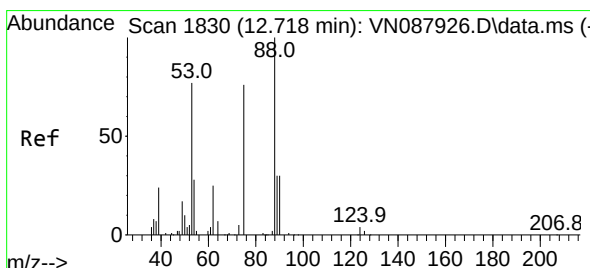
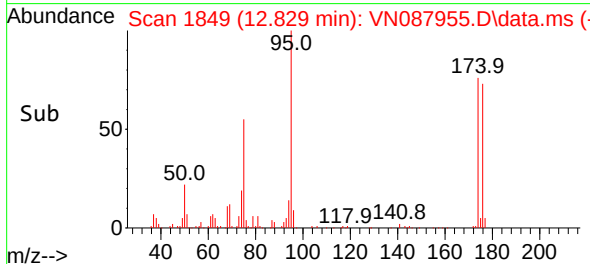
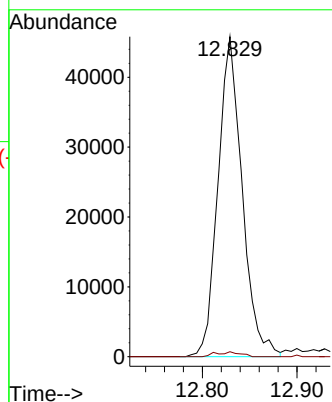
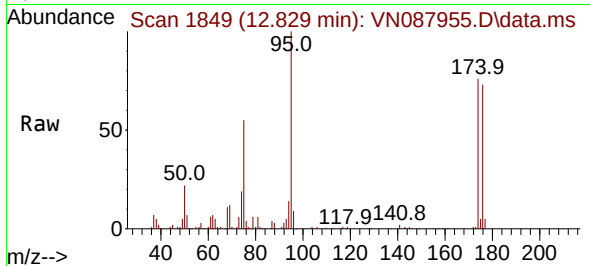




#76
1,2,3-Trichloropropane
Concen: 24.437 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 81317
Ion Ratio Lower Upper
75 100
77 1.5 89.5 268.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.857 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087955.D
Acq: 25 Sep 2025 15:24

Tgt Ion: 75 Resp: 81317
Ion Ratio Lower Upper
75 100
53 0.2 82.0 123.0#
89 0.0 36.1 54.1#

