

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
 Data File : VN087803.D
 Acq On : 11 Sep 2025 17:09
 Operator : JC\MD
 Sample : Q3072-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30-GARFIELD-PL-COMP

Quant Time: Sep 12 02:56:08 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)

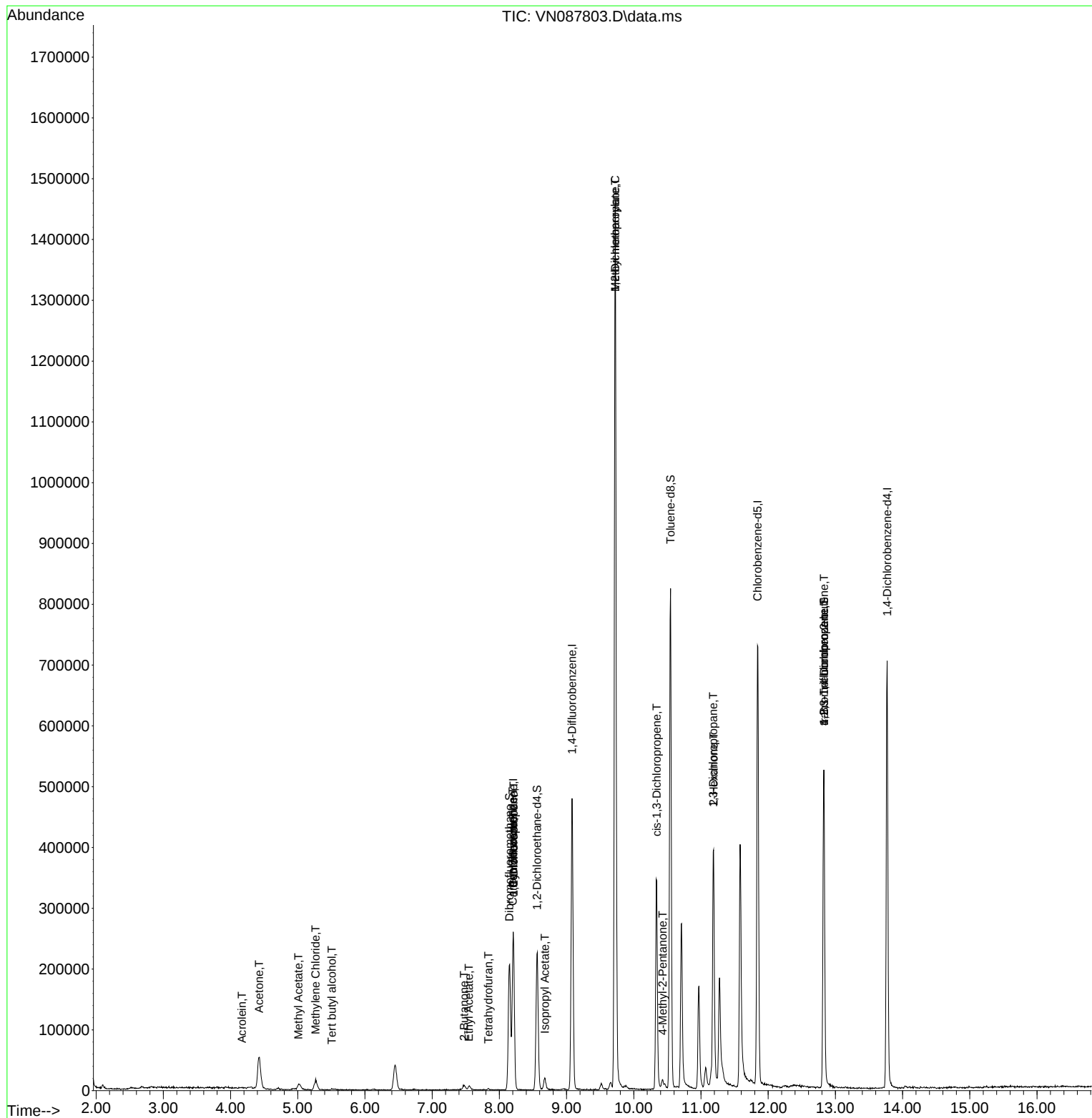
Internal Standards						
1) Pentafluorobenzene	8.206	168	173517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	400494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	410836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	184941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	186460	52.448	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.900%	
35) Dibromofluoromethane	8.147	113	153313	53.021	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.040%	
50) Toluene-d8	10.547	98	542641	50.140	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.280%	
62) 4-Bromofluorobenzene	12.829	95	181823	47.241	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.480%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	1276	2.067	ug/l #	71
13) Acrolein	4.171	56	279	0.368	ug/l #	1
16) Acetone	4.424	43	107927	55.767	ug/l	91
18) Methyl Acetate	5.012	43	21327	5.263	ug/l	98
20) Methylene Chloride	5.265	84	11932	3.098	ug/l #	74
25) 2-Butanone	7.477	43	13708	5.384	ug/l	99
29) Tetrahydrofuran	7.835	42	1430	0.873	ug/l #	87
31) Cyclohexane	8.206	56	5147	1.151	ug/l #	1
36) 1,1-Dichloropropene	8.212	75	16618	3.746	ug/l #	53
37) Ethyl Acetate	7.547	43	10543	1.739	ug/l #	95
38) Carbon Tetrachloride	8.200	117	19687	4.495	ug/l #	13
43) Isopropyl Acetate	8.677	43	24925	2.634	ug/l #	91
45) 1,2-Dichloropropane	9.724	63	1683	0.469	ug/l #	43
48) Methyl methacrylate	9.724	41	140910	31.478	ug/l #	48
51) 4-Methyl-2-Pentanone	10.429	43	8336	1.460	ug/l #	86
54) cis-1,3-Dichloropropene	10.341	75	59302	10.549	ug/l #	59
57) 1,3-Dichloropropane	11.182	76	4920	0.852	ug/l #	42
59) 2-Hexanone	11.188	43	80218	22.229	ug/l #	49
76) 1,2,3-Trichloropropane	12.829	75	104389	24.070	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	104389	63.722	ug/l #	1

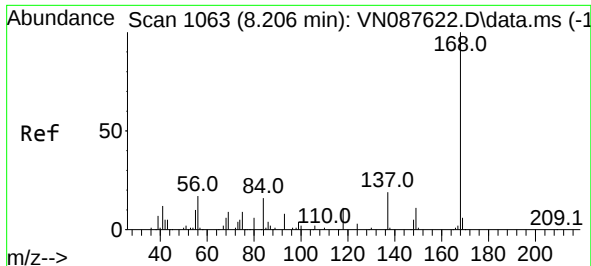
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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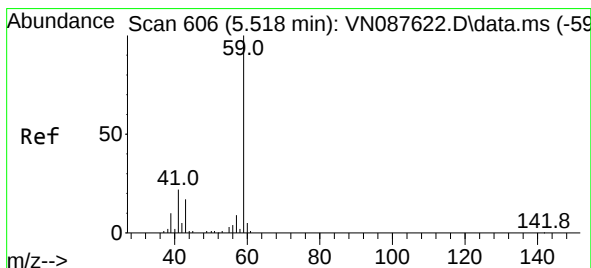
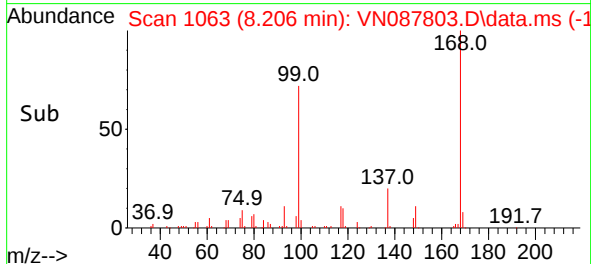
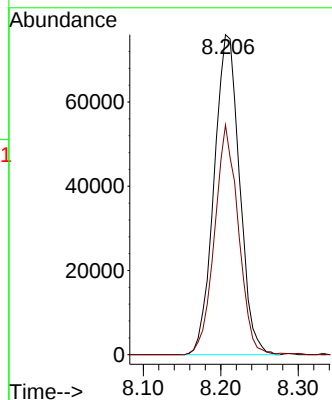
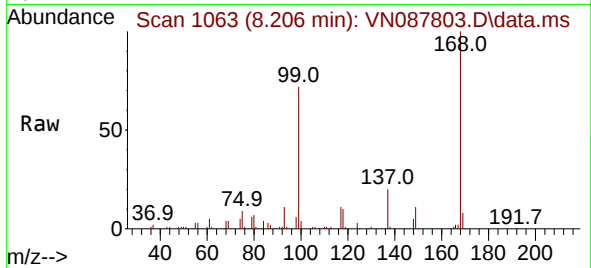




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

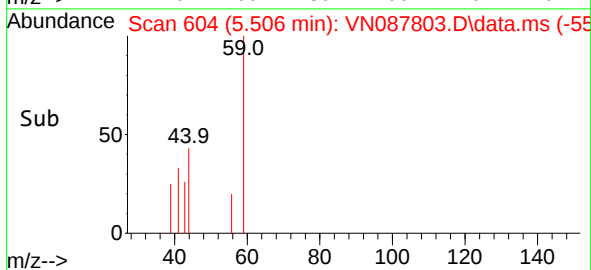
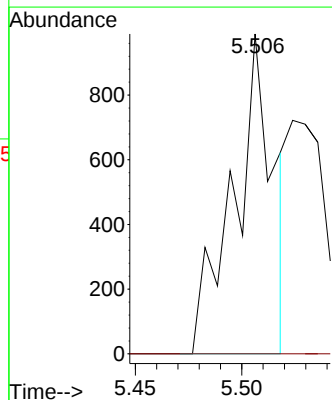
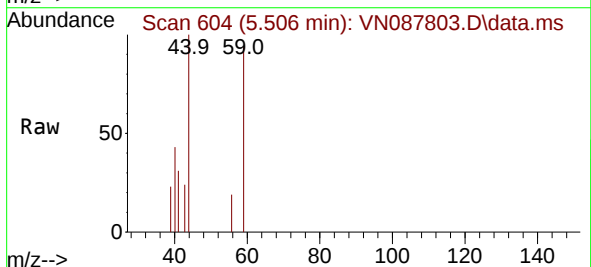
Instrument :
MSVOA_N
ClientSampleId :
30-GARFIELD-PL-COMP

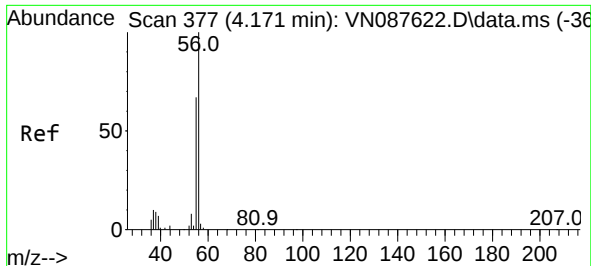
Tgt Ion:168 Resp: 173517
Ion Ratio Lower Upper
168 100
99 71.8 57.2 85.8



#11
Tert butyl alcohol
Concen: 2.067 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

Tgt Ion: 59 Resp: 1276
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

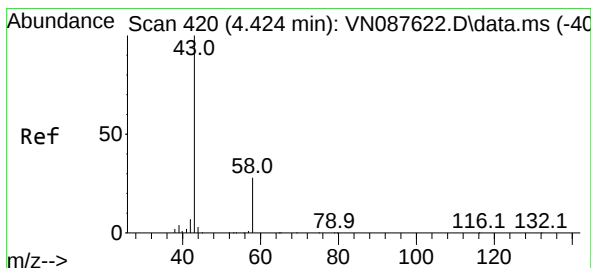
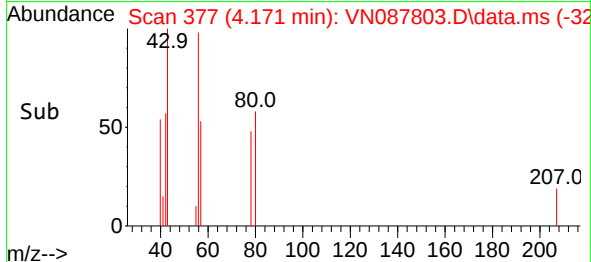
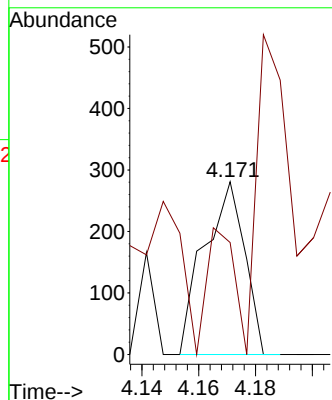
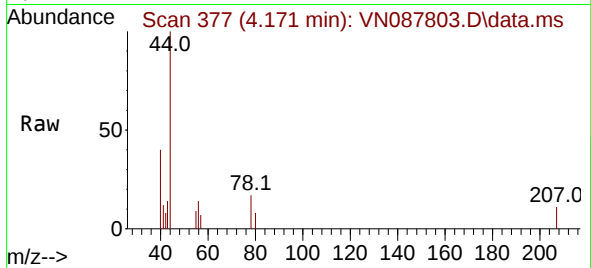




#13
Acrolein
Concen: 0.368 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

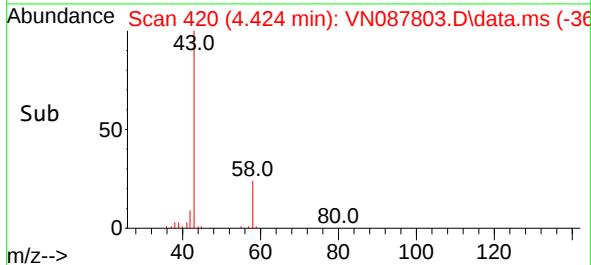
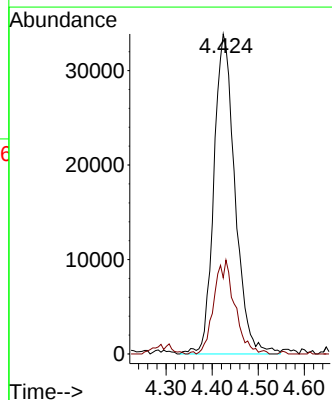
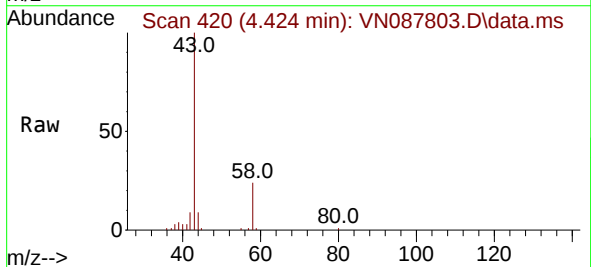
Instrument :
MSVOA_N
ClientSampleId :
30-GARFIELD-PL-COMP

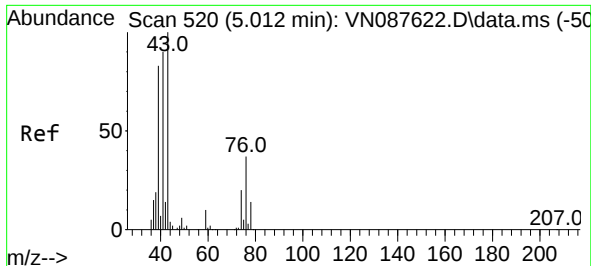
Tgt Ion: 56 Resp: 279
Ion Ratio Lower Upper
56 100
55 295.7 57.3 85.9#



#16
Acetone
Concen: 55.767 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

Tgt Ion: 43 Resp: 107927
Ion Ratio Lower Upper
43 100
58 23.3 22.6 33.8

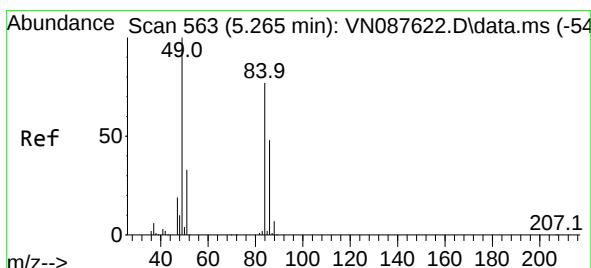
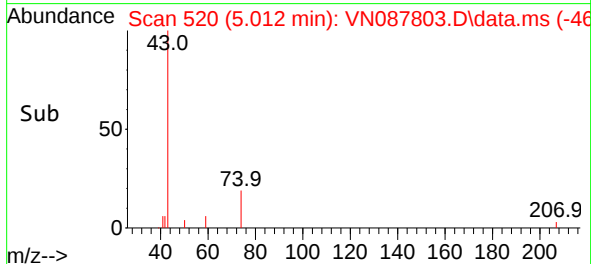
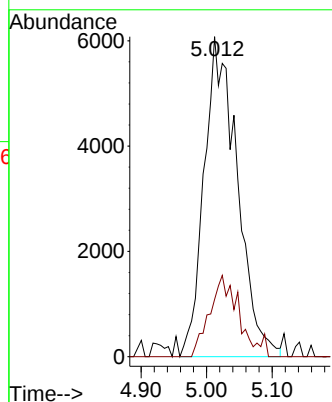
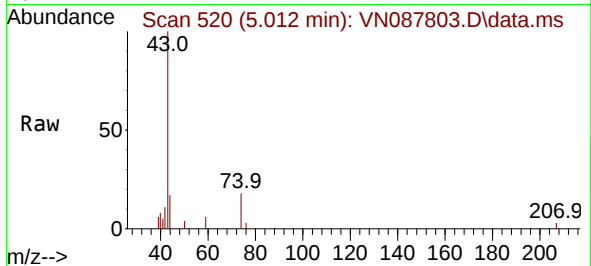




#18
Methyl Acetate
Concen: 5.263 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

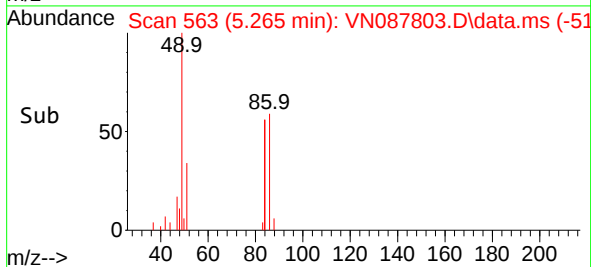
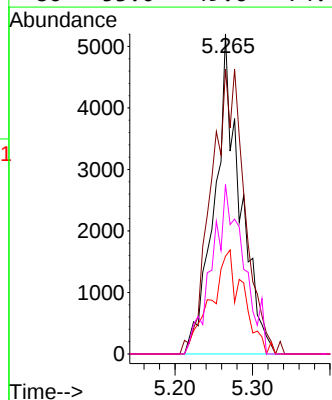
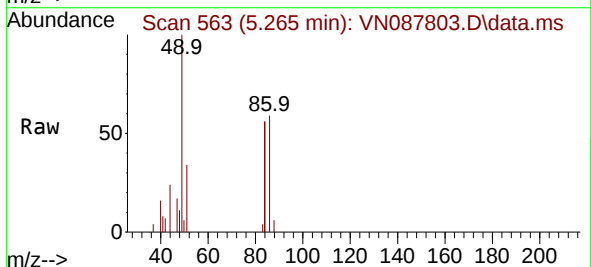
Instrument :
MSVOA_N
ClientSampleId :
30-GARFIELD-PL-COMP

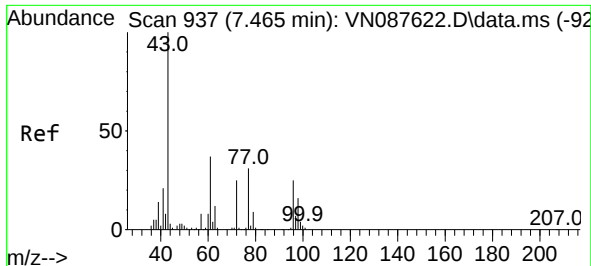
Tgt Ion: 43 Resp: 21327
Ion Ratio Lower Upper
43 100
74 21.1 17.6 26.4



#20
Methylene Chloride
Concen: 3.098 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

Tgt Ion: 84 Resp: 11932
Ion Ratio Lower Upper
84 100
49 89.0 103.4 155.2#
51 30.5 33.8 50.8#
86 53.0 49.6 74.4

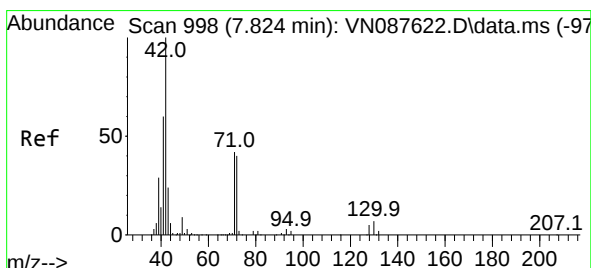
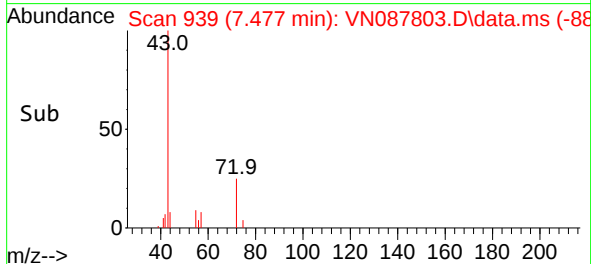
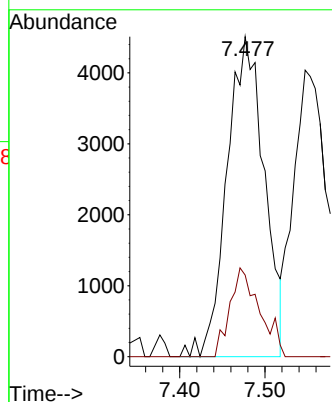
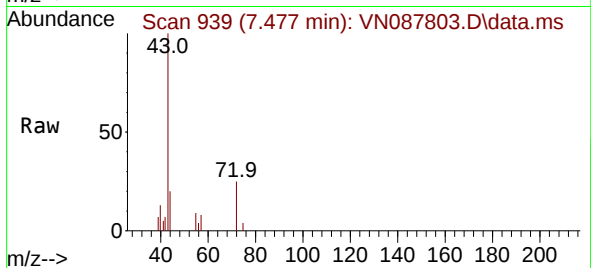




#25
2-Butanone
Concen: 5.384 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

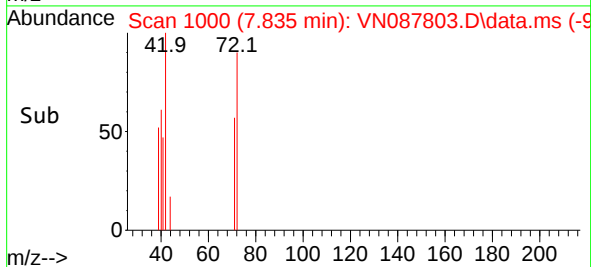
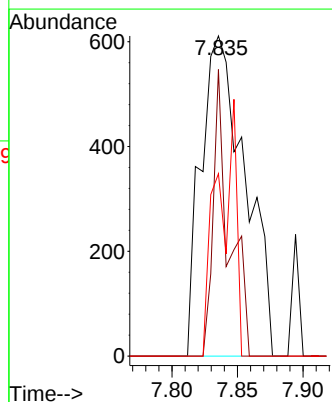
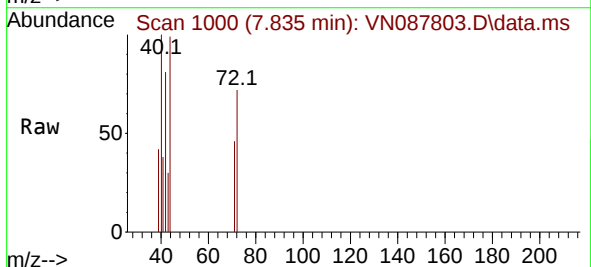
Instrument :
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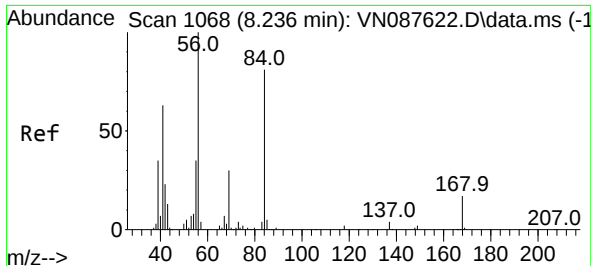
Tgt Ion: 43 Resp: 13708
Ion Ratio Lower Upper
43 100
72 25.5 19.9 29.9



#29
Tetrahydrofuran
Concen: 0.873 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.012 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

Tgt Ion: 42 Resp: 1430
Ion Ratio Lower Upper
42 100
72 32.2 33.7 50.5#
71 33.1 31.9 47.9

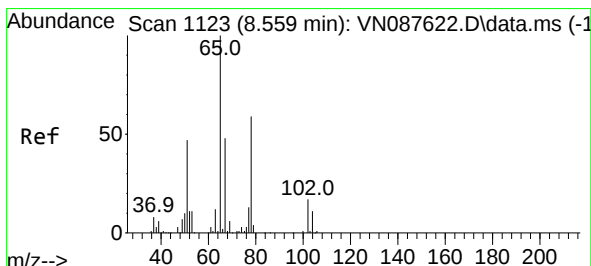
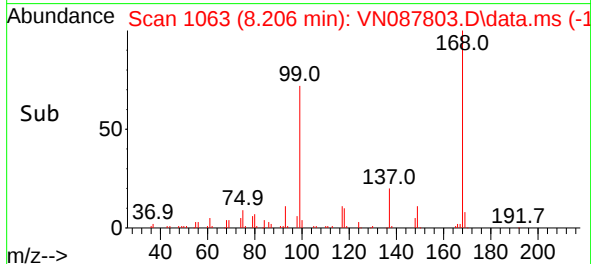
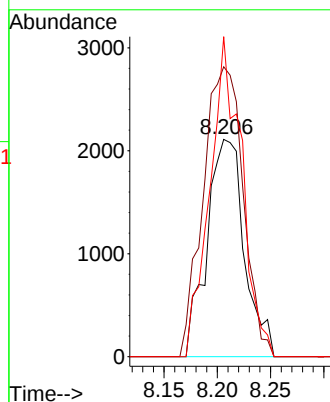
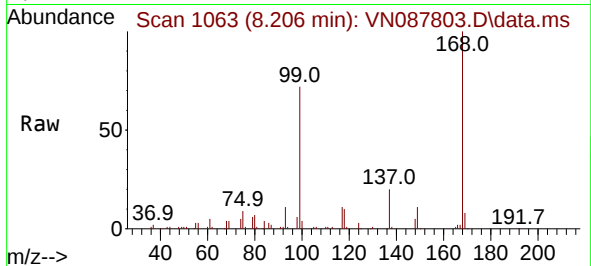




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

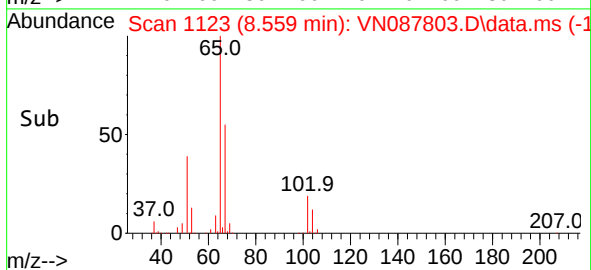
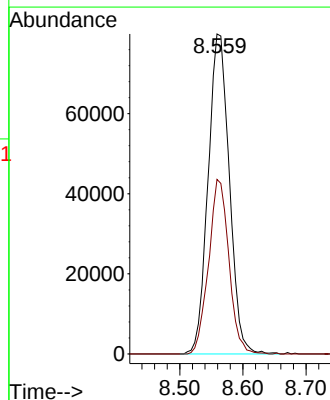
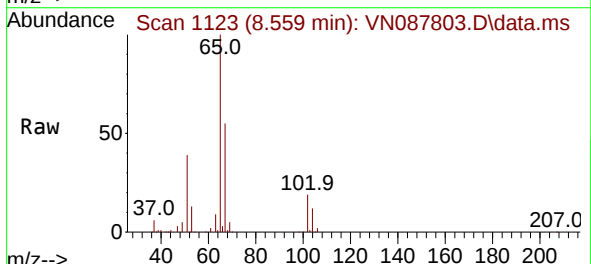
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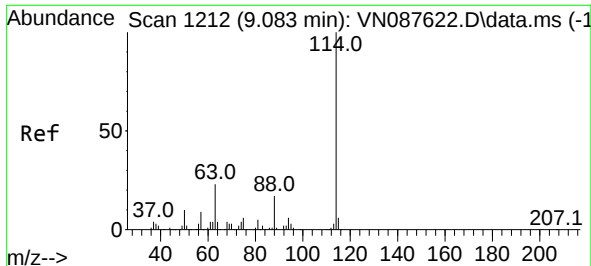
Tgt Ion: 56 Resp: 5147
Ion Ratio Lower Upper
56 100
69 133.4 23.7 35.5#
84 147.2 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 52.448 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

Tgt Ion: 65 Resp: 186460
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.0

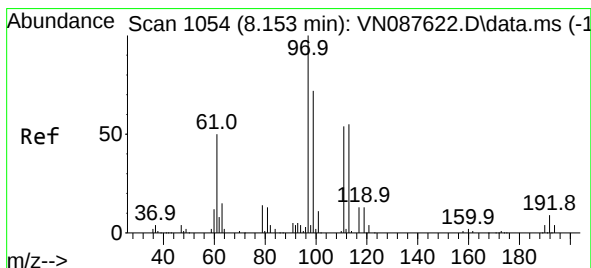
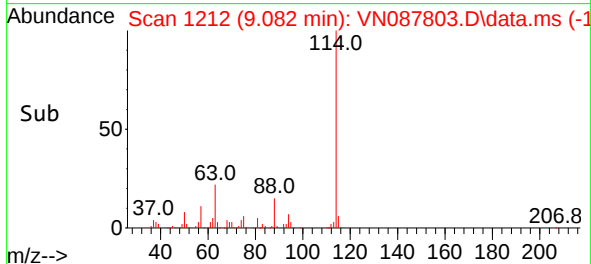
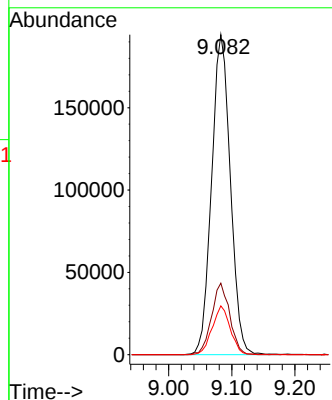
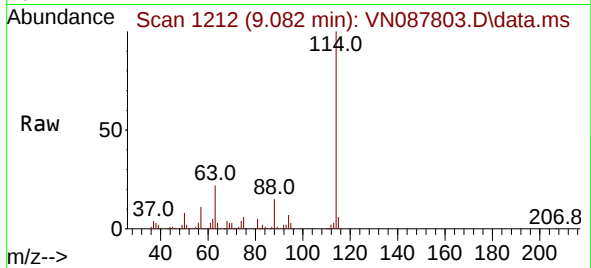




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

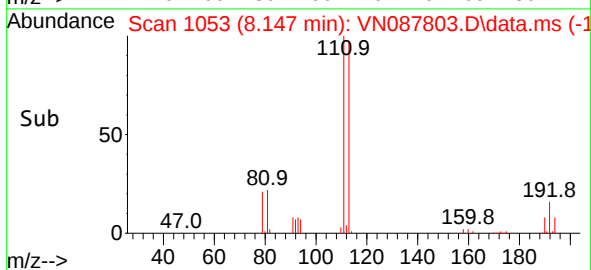
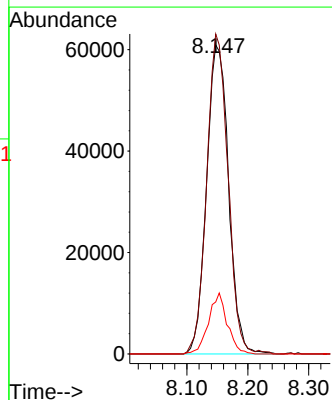
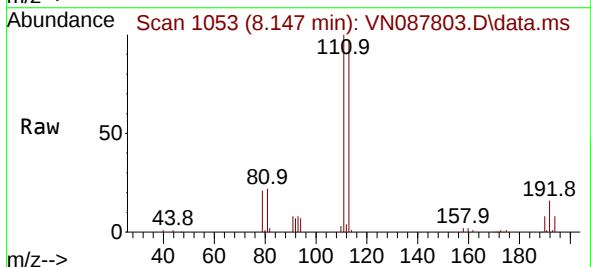
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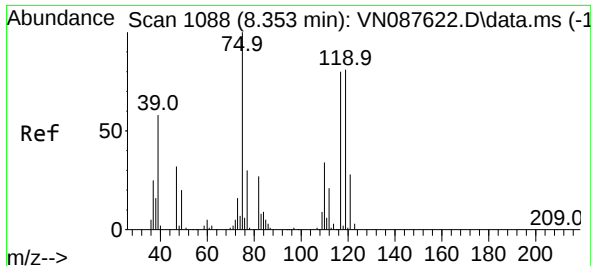
Tgt Ion:	114	Resp:	400494
Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	45.2
88	15.3	0.0	33.4



#35
Dibromofluoromethane
Concen: 53.021 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

Tgt Ion:	113	Resp:	153313
Ion	Ratio	Lower	Upper
113	100		
111	99.7	82.8	124.2
192	16.8	12.8	19.2





#36

1,1-Dichloropropene

Concen: 3.746 ug/l

RT: 8.212 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN087803.D

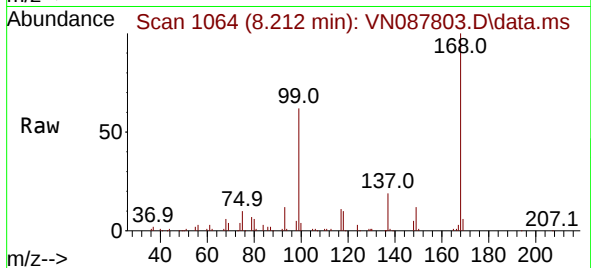
Acq: 11 Sep 2025 17:09

Instrument :

MSVOA_N

ClientSampleId :

30-GARFIELD-PL-COMP



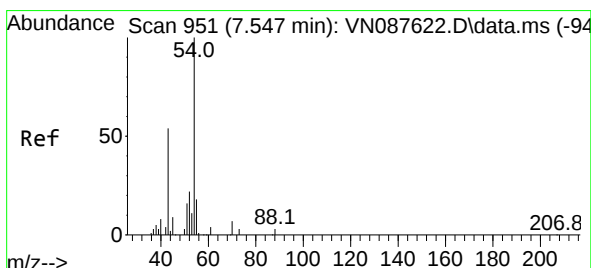
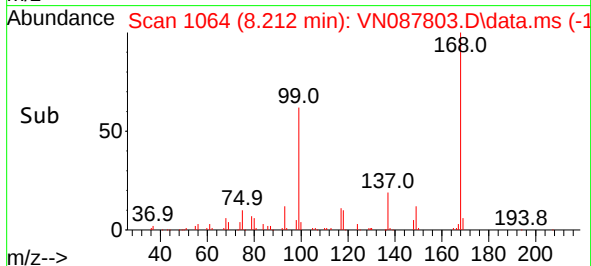
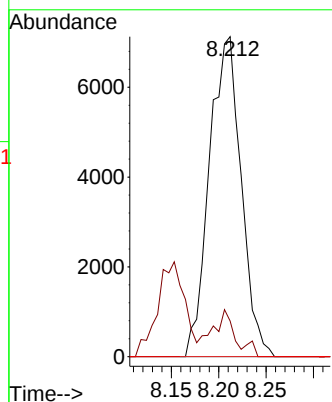
Tgt Ion: 75 Resp: 16618

Ion Ratio Lower Upper

75 100

110 9.9 15.9 47.6#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.739 ug/l

RT: 7.547 min Scan# 951

Delta R.T. -0.000 min

Lab File: VN087803.D

Acq: 11 Sep 2025 17:09

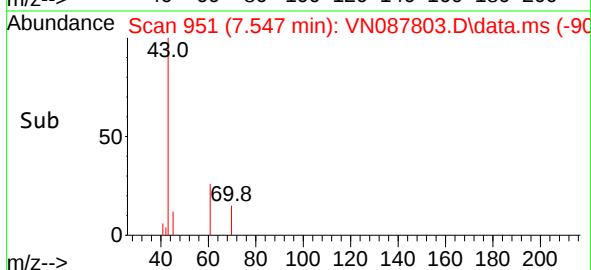
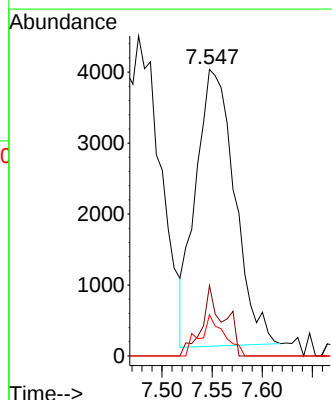
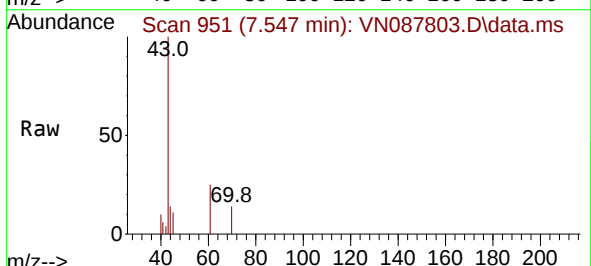
Tgt Ion: 43 Resp: 10543

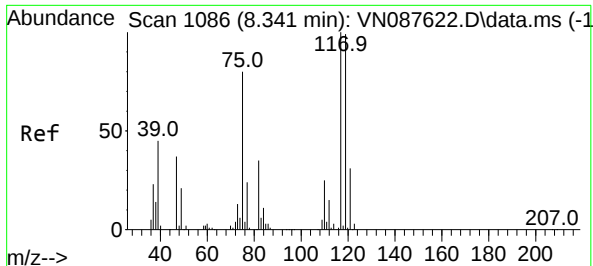
Ion Ratio Lower Upper

43 100

61 14.3 9.3 13.9#

70 9.3 7.0 10.6

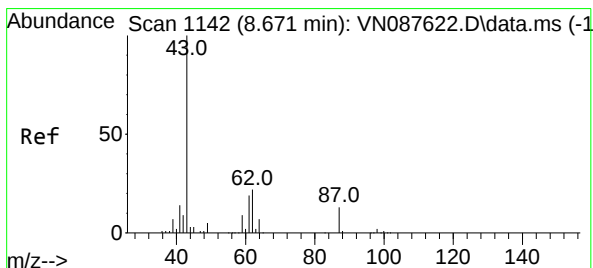
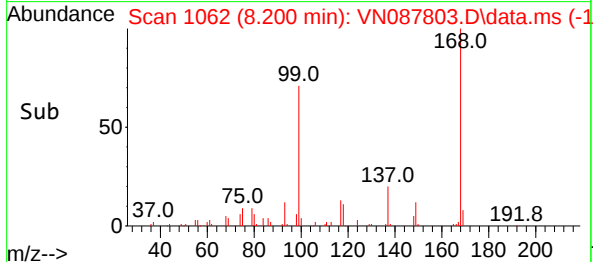
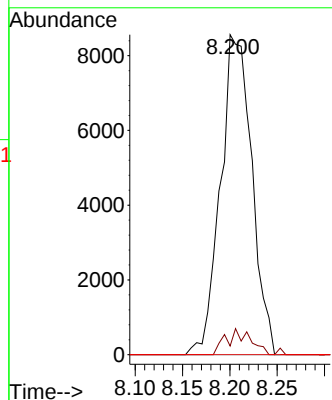
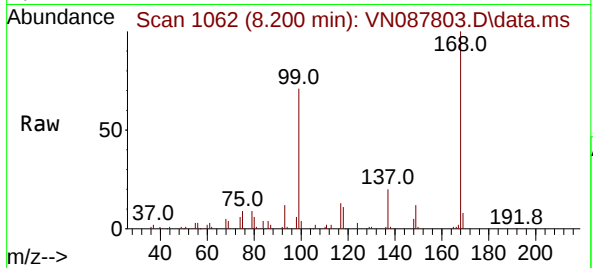




#38
Carbon Tetrachloride
Concen: 4.495 ug/l
RT: 8.200 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

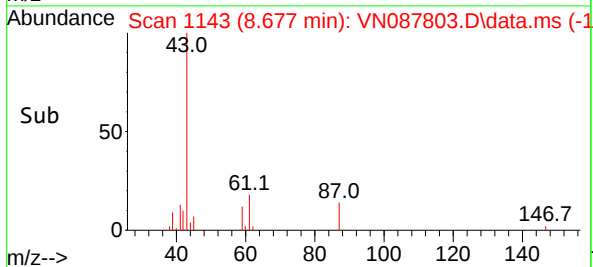
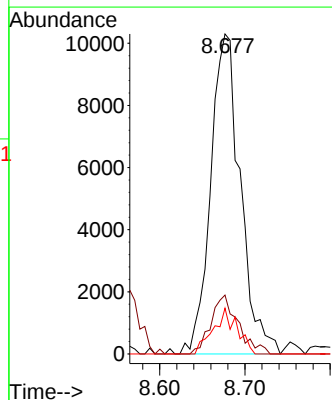
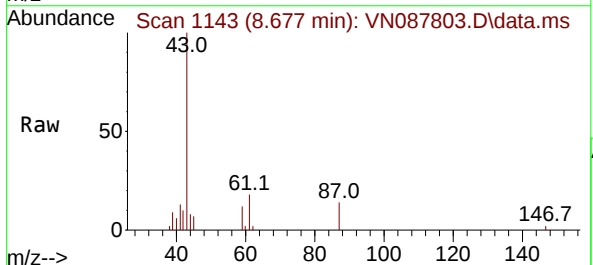
Instrument :
MSVOA_N
ClientSampleId :
30-GARFIELD-PL-COMP

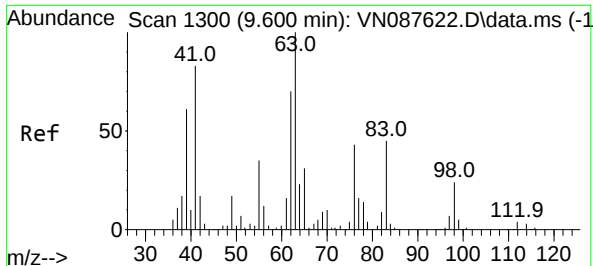
Tgt Ion:117 Resp: 19687
Ion Ratio Lower Upper
117 100
119 2.7 79.0 118.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 2.634 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

Tgt Ion: 43 Resp: 24925
Ion Ratio Lower Upper
43 100
61 16.9 18.8 28.2#
87 11.4 9.6 14.4





#45

1,2-Dichloropropane

Concen: 0.469 ug/l

RT: 9.724 min Scan# 1321

Delta R.T. 0.123 min

Lab File: VN087803.D

Acq: 11 Sep 2025 17:09

Instrument :

MSVOA_N

ClientSampleId :

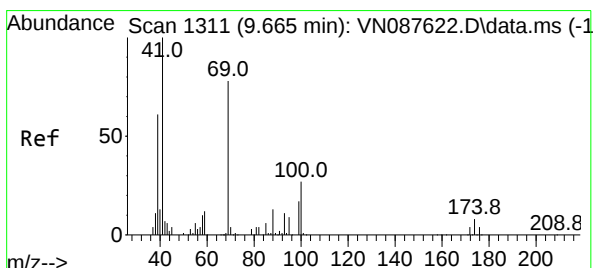
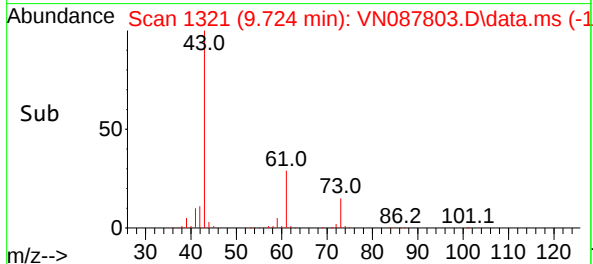
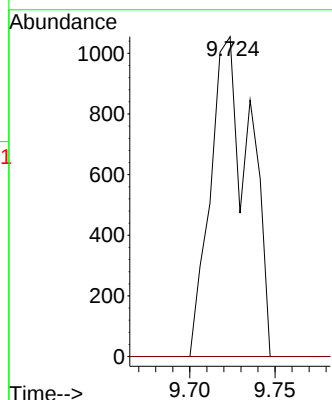
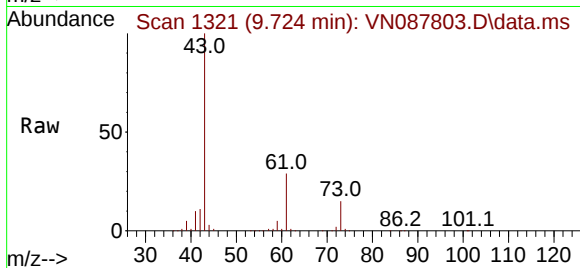
30-GARFIELD-PL-COMP

Tgt Ion: 63 Resp: 1683

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



#48

Methyl methacrylate

Concen: 31.478 ug/l

RT: 9.724 min Scan# 1321

Delta R.T. 0.059 min

Lab File: VN087803.D

Acq: 11 Sep 2025 17:09

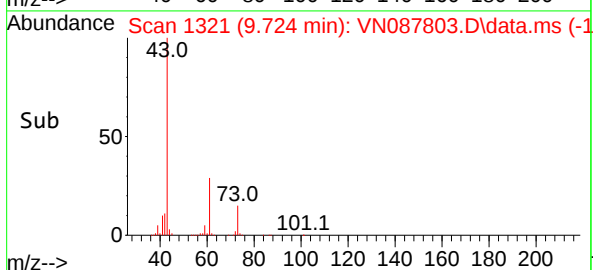
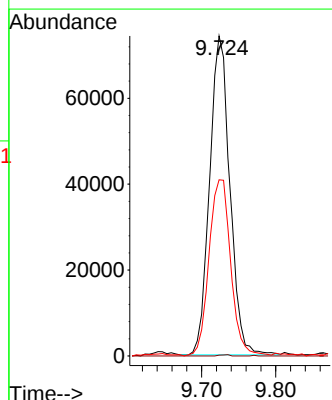
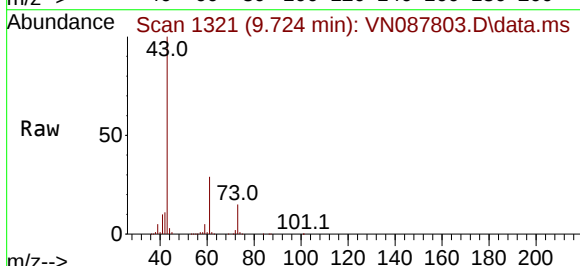
Tgt Ion: 41 Resp: 140910

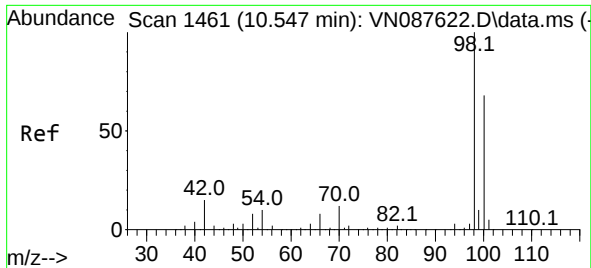
Ion Ratio Lower Upper

41 100

69 0.2 62.7 94.1#

39 59.4 52.9 79.3

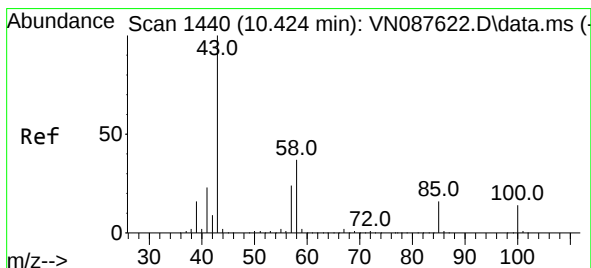
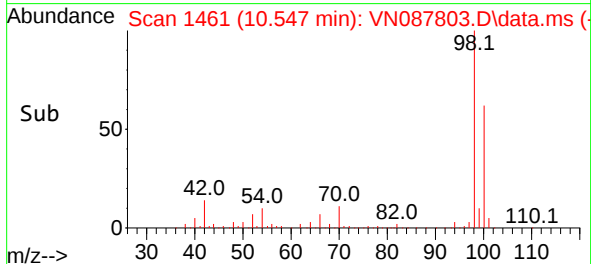
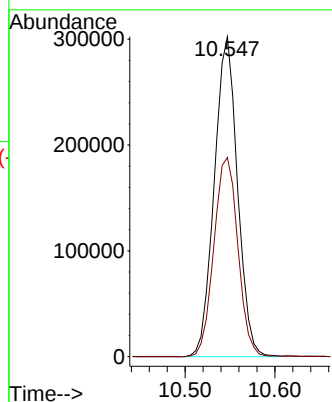
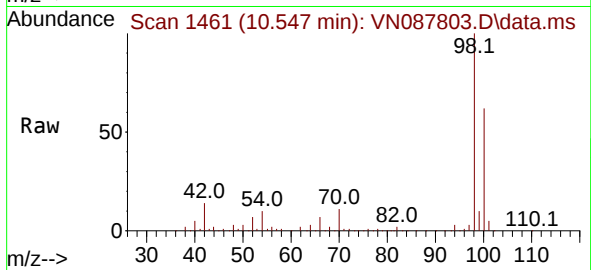




#50
Toluene-d8
Concen: 50.140 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

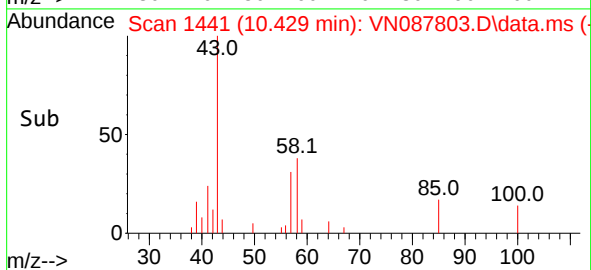
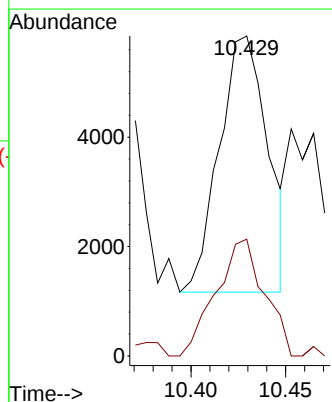
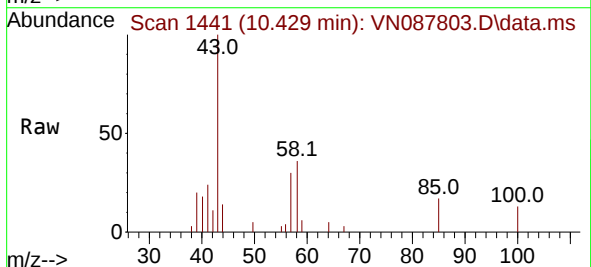
Instrument :
MSVOA_N
ClientSampleId :
30-GARFIELD-PL-COMP

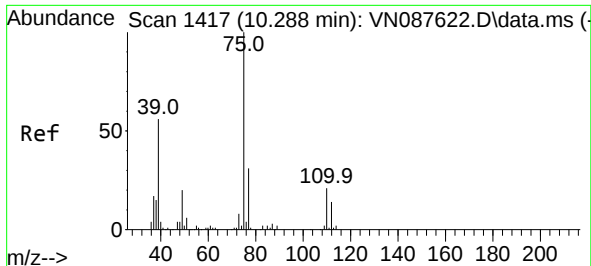
Tgt Ion: 98 Resp: 542641
Ion Ratio Lower Upper
98 100
100 64.5 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.460 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

Tgt Ion: 43 Resp: 8336
Ion Ratio Lower Upper
43 100
58 45.3 29.6 44.4#

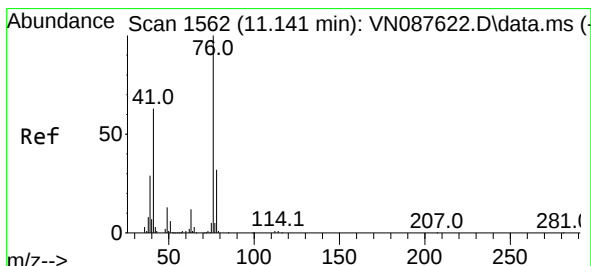
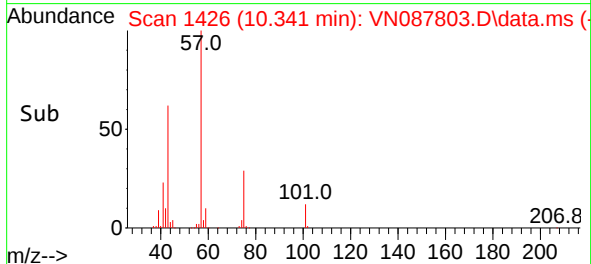
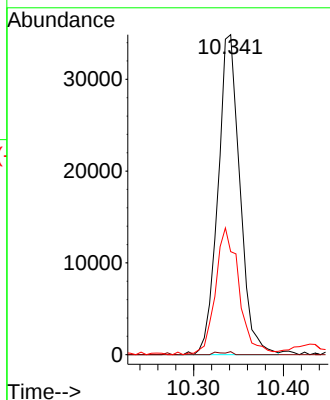
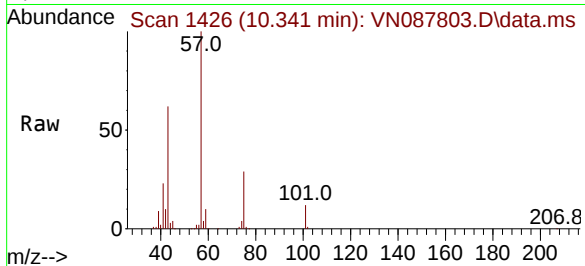




#54
 cis-1,3-Dichloropropene
 Concen: 10.549 ug/l
 RT: 10.341 min Scan# 1417
 Delta R.T. 0.053 min
 Lab File: VN087803.D
 Acq: 11 Sep 2025 17:09

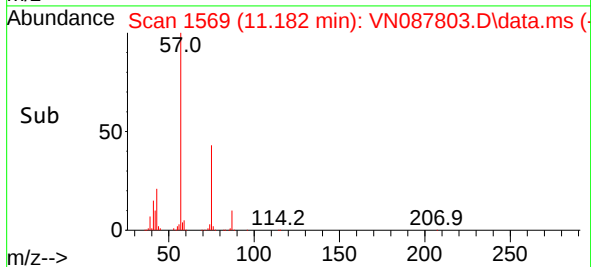
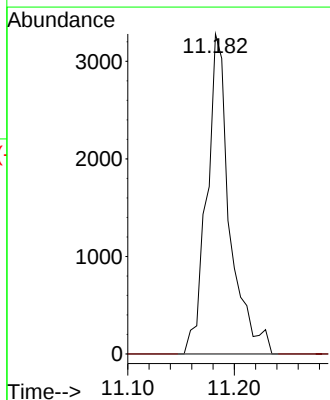
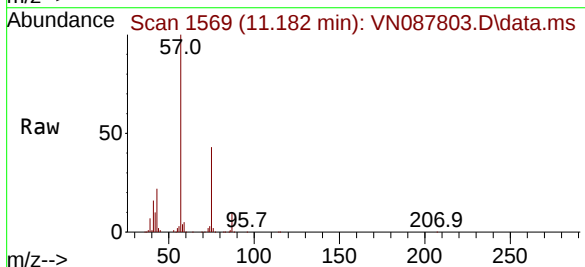
Instrument :
 MSVOA_N
 ClientSampleId :
 30-GARFIELD-PL-COMP

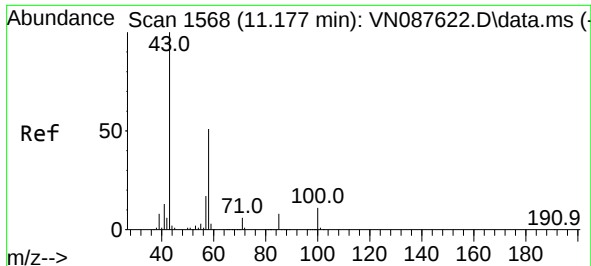
Tgt Ion: 75 Resp: 59302
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.6 37.0#
 39 31.4 45.2 67.8#



#57
 1,3-Dichloropropane
 Concen: 0.852 ug/l
 RT: 11.182 min Scan# 1569
 Delta R.T. 0.041 min
 Lab File: VN087803.D
 Acq: 11 Sep 2025 17:09

Tgt Ion: 76 Resp: 4920
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

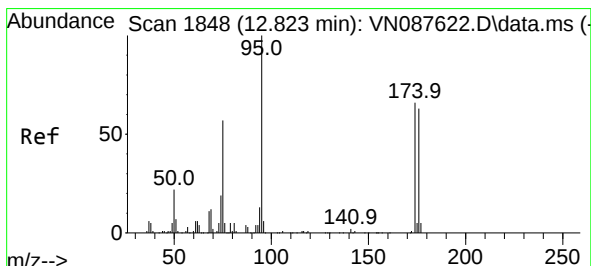
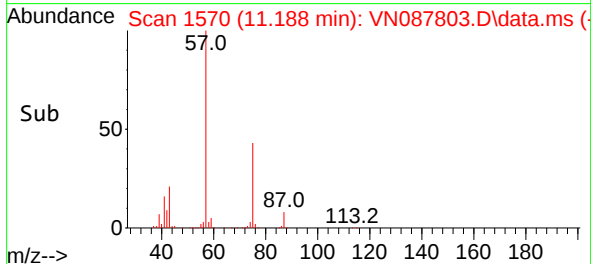
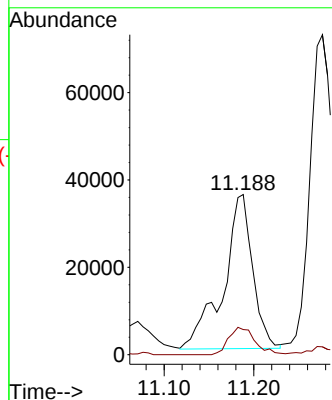
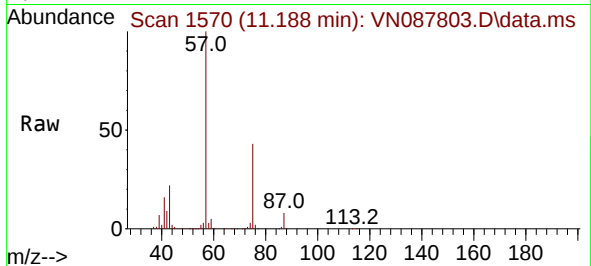




#59
2-Hexanone
Concen: 22.229 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. 0.012 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

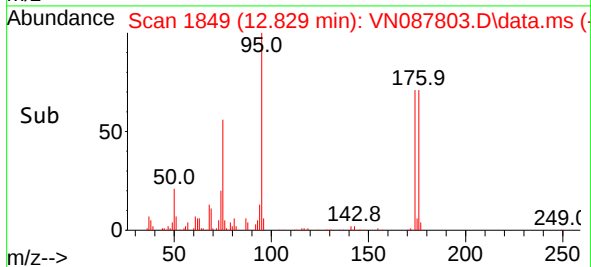
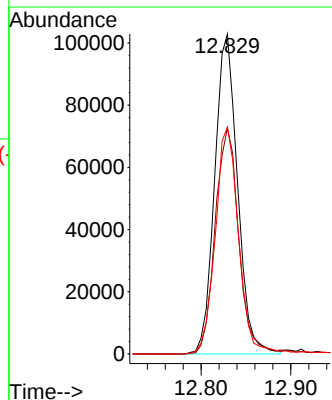
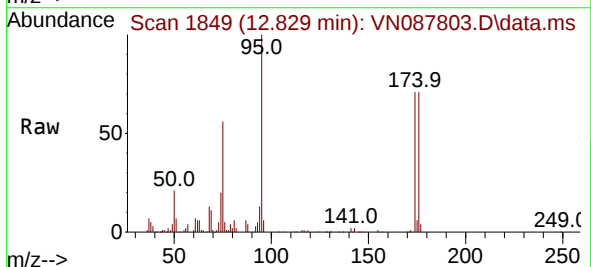
Instrument :
MSVOA_N
ClientSampleId :
30-GARFIELD-PL-COMP

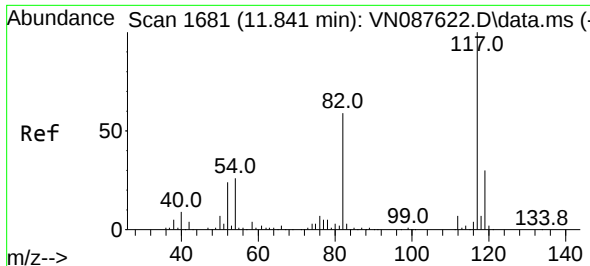
Tgt Ion: 43 Resp: 80218
Ion Ratio Lower Upper
43 100
58 16.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.241 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

Tgt Ion: 95 Resp: 181823
Ion Ratio Lower Upper
95 100
174 74.0 0.0 138.4
176 72.2 0.0 132.6

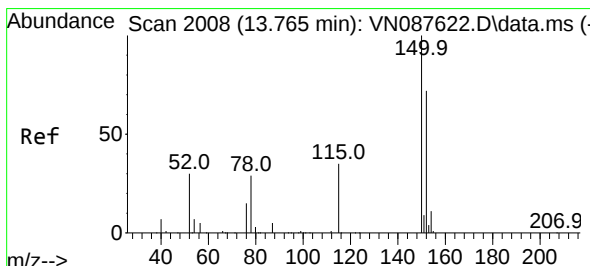
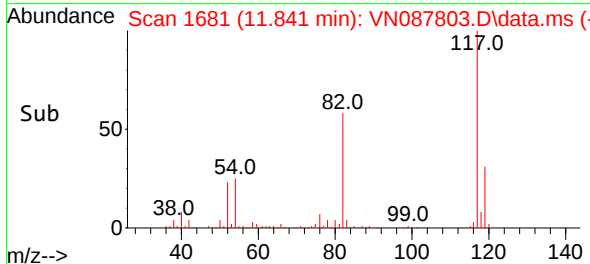
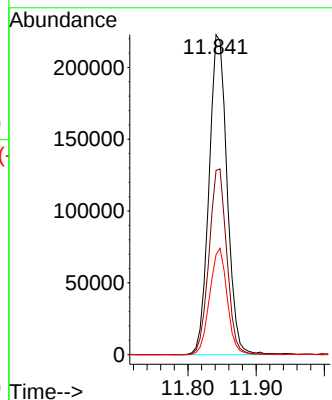
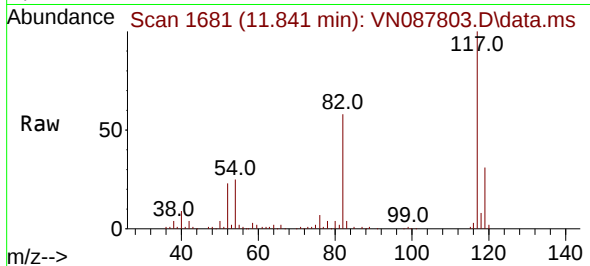




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

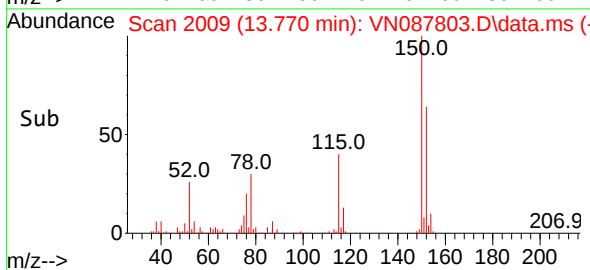
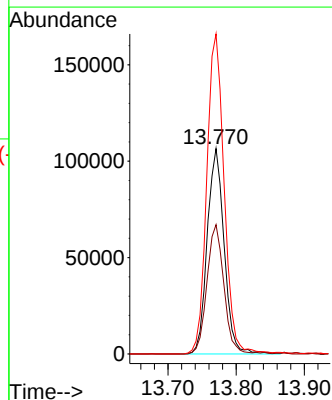
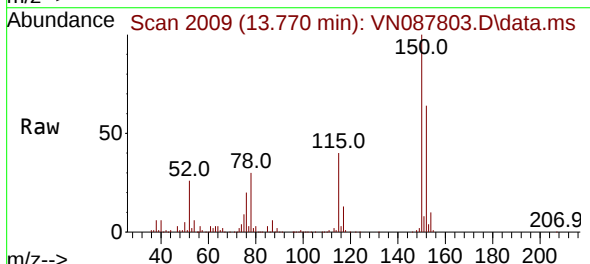
Instrument :
MSVOA_N
ClientSampleId :
30-GARFIELD-PL-COMP

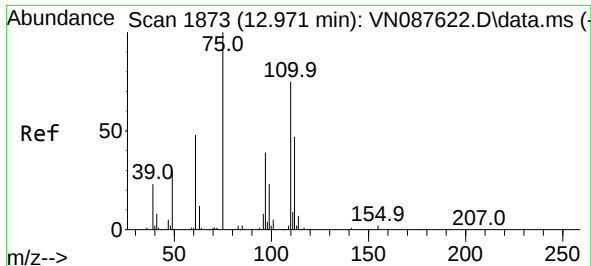
Tgt Ion:117 Resp: 410836
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 31.2 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

Tgt Ion:152 Resp: 184941
Ion Ratio Lower Upper
152 100
115 63.1 32.3 96.8
150 159.0 0.0 351.0

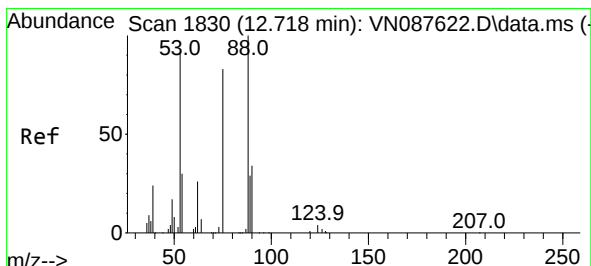
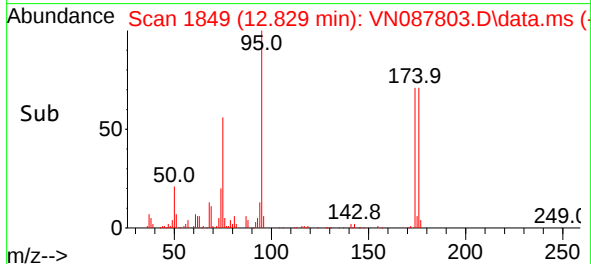
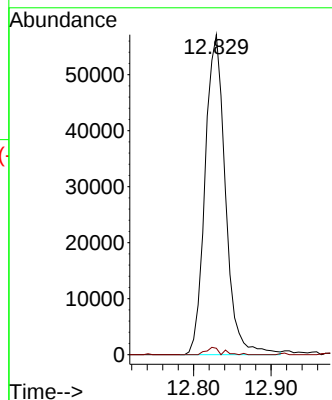
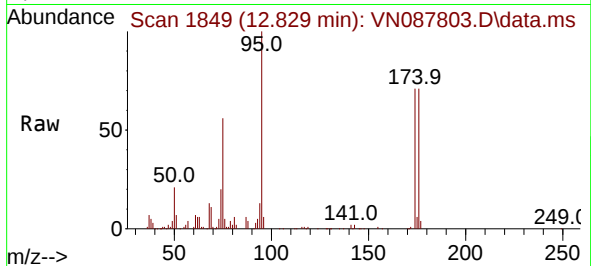




#76
1,2,3-Trichloropropane
Concen: 24.070 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

Instrument :
MSVOA_N
ClientSampleId :
30-GARFIELD-PL-COMP

Tgt Ion: 75 Resp: 104389
Ion Ratio Lower Upper
75 100
77 1.6 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.722 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087803.D
Acq: 11 Sep 2025 17:09

Tgt Ion: 75 Resp: 104389
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.3 35.6 53.4#

