

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086877.D
 Acq On : 06 Jun 2025 19:28
 Operator : JC\MD
 Sample : Q2216-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3888

Quant Time: Jun 07 02:29:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

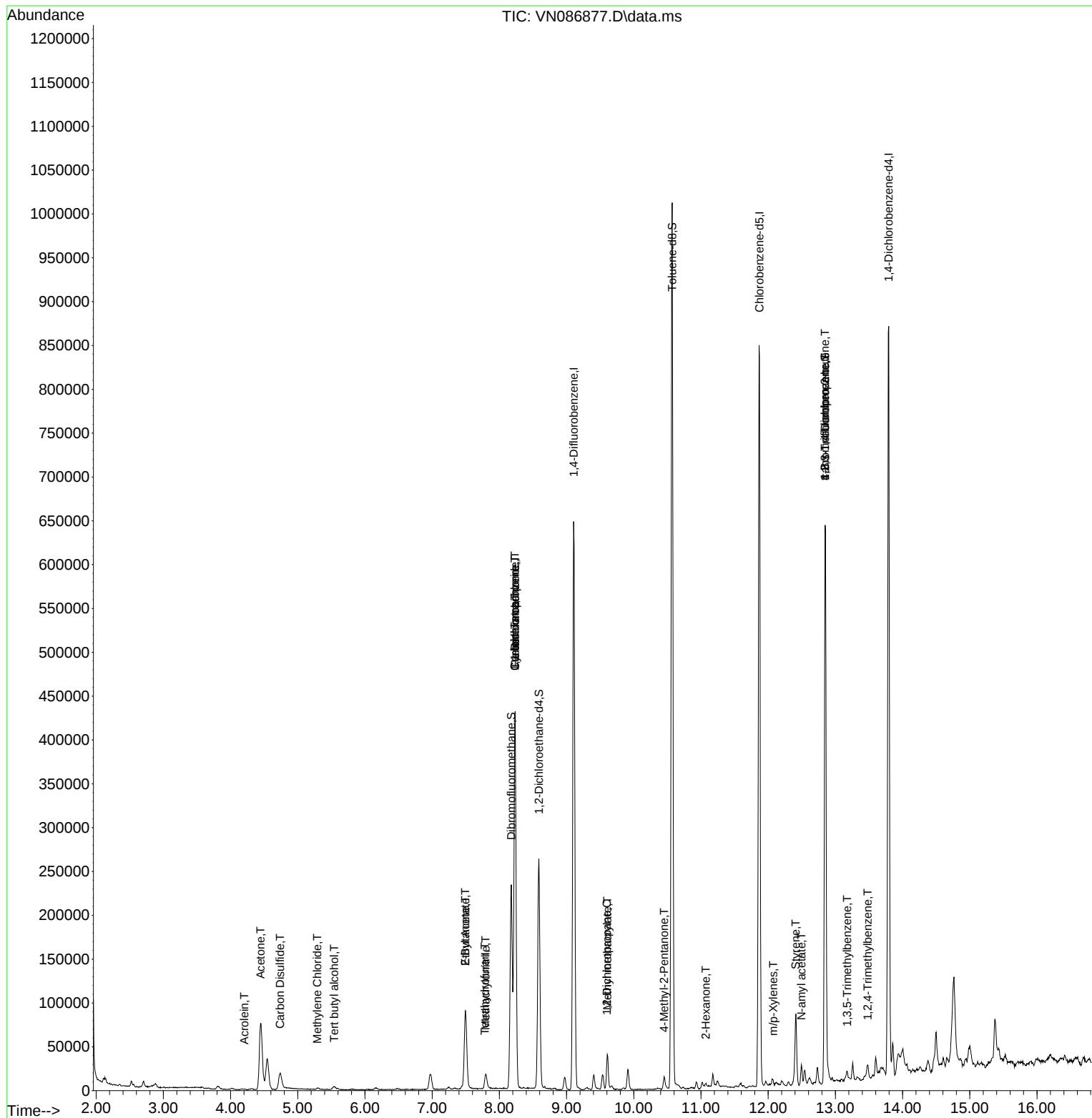
Internal Standards						
1) Pentafluorobenzene	8.235	168	330043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	599463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	525276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	247165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	213066	48.217	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.440%		
35) Dibromofluoromethane	8.177	113	176665	49.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.460%		
50) Toluene-d8	10.570	98	727475	51.727	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.460%		
62) 4-Bromofluorobenzene	12.847	95	259099	49.588	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.180%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.541	59	7686	6.410	ug/l #	92
13) Acrolein	4.206	56	217	0.572	ug/l #	15
16) Acetone	4.447	43	153550	65.525	ug/l	98
17) Carbon Disulfide	4.736	76	7406	0.729	ug/l #	86
20) Methylene Chloride	5.288	84	1196	0.273	ug/l	97
25) 2-Butanone	7.494	43	149769	39.319	ug/l	97
29) Tetrahydrofuran	7.782	42	616	0.248	ug/l #	31
31) Cyclohexane	8.229	56	6815	0.951	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	26868	5.075	ug/l #	46
37) Ethyl Acetate	7.494	43	149769	22.225	ug/l #	66
38) Carbon Tetrachloride	8.229	117	33663	6.477	ug/l #	17
41) Methacrylonitrile	7.794	41	3510	0.927	ug/l #	29
45) 1,2-Dichloropropane	9.600	63	955	0.227	ug/l #	1
48) Methyl methacrylate	9.606	41	4089	0.821	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	11511	1.768	ug/l	93
59) 2-Hexanone	11.070	43	4479	1.068	ug/l	72
68) m/p-Xylenes	12.076	106	2172	0.284	ug/l	99
70) Styrene	12.412	104	40823	3.261	ug/l	92
74) N-amyl acetate	12.494	43	5981	0.951	ug/l #	50
76) 1,2,3-Trichloropropane	12.847	75	122617	20.870	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	3895	0.262	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.847	75	122617	48.042	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.482	105	7846	0.526	ug/l	100

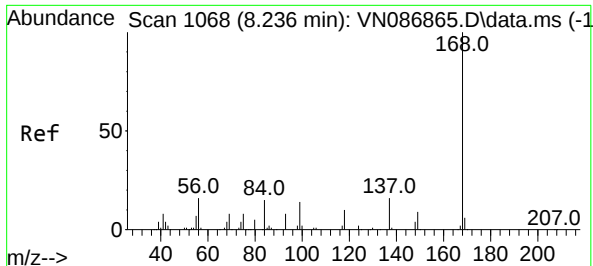
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086877.D
Acq On : 06 Jun 2025 19:28
Operator : JC\MD
Sample : Q2216-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
3888

Quant Time: Jun 07 02:29:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

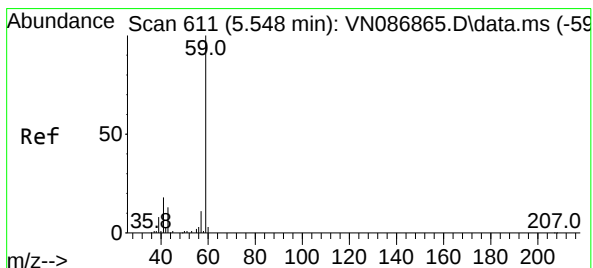
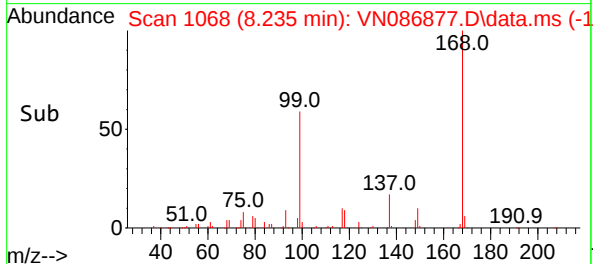
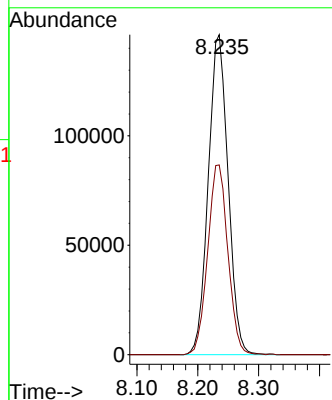
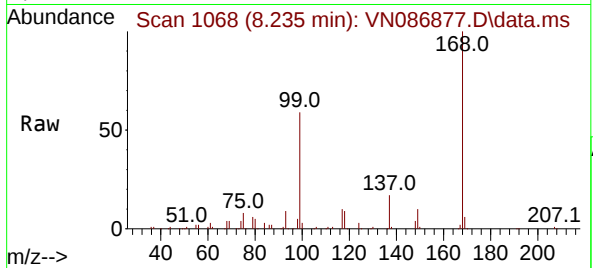




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

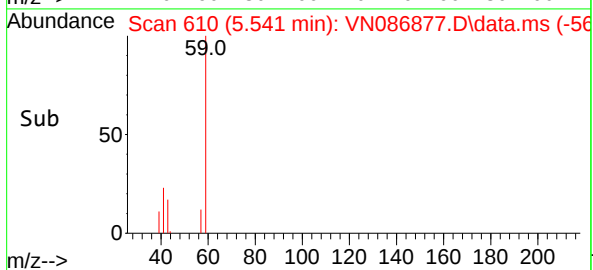
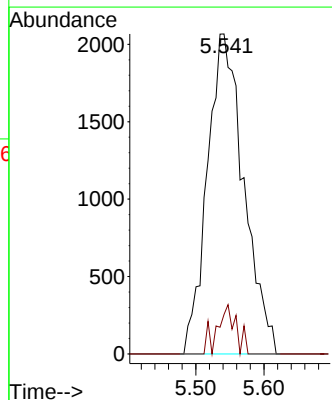
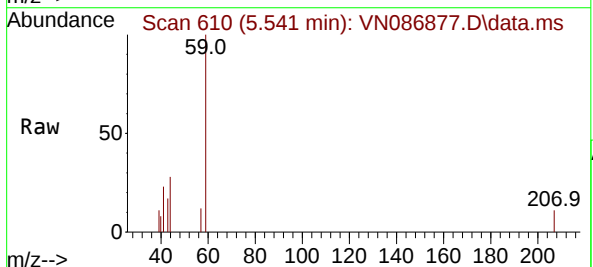
Instrument :
MSVOA_N
ClientSampleId :
3888

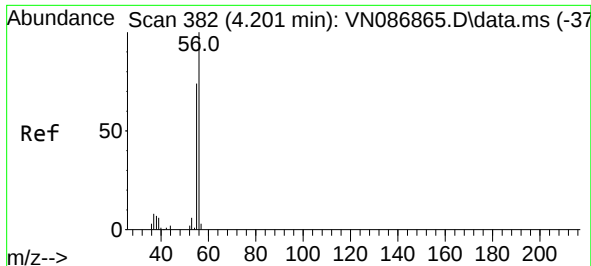
Tgt Ion:168 Resp: 330043
Ion Ratio Lower Upper
168 100
99 59.3 49.1 73.7



#11
Tert butyl alcohol
Concen: 6.410 ug/l
RT: 5.541 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 59 Resp: 7686
Ion Ratio Lower Upper
59 100
57 7.0 8.1 12.1#

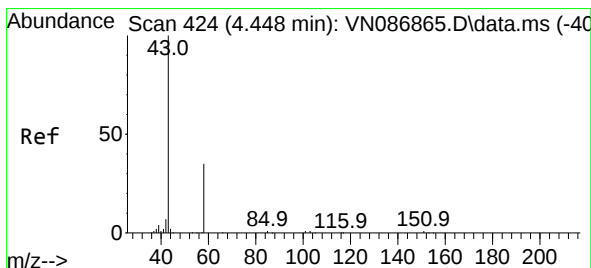
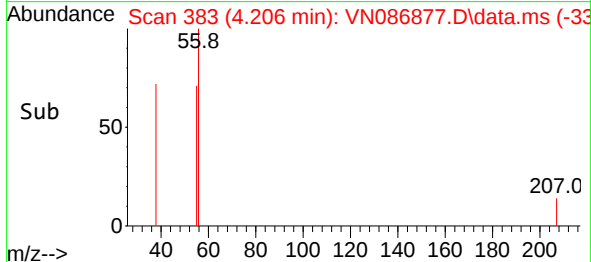
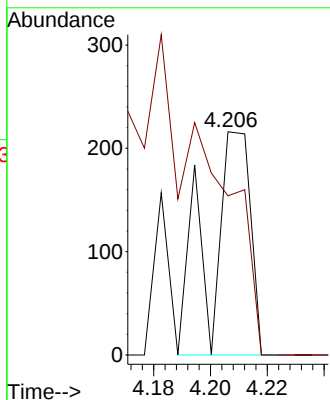
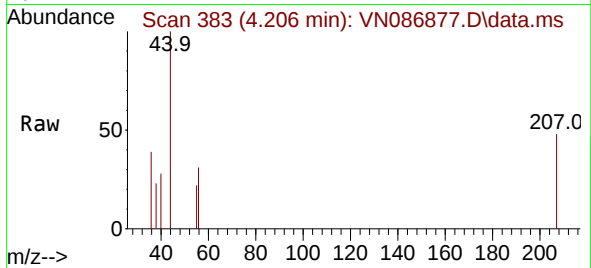




#13
Acrolein
Concen: 0.572 ug/l
RT: 4.206 min Scan# 382
Delta R.T. 0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

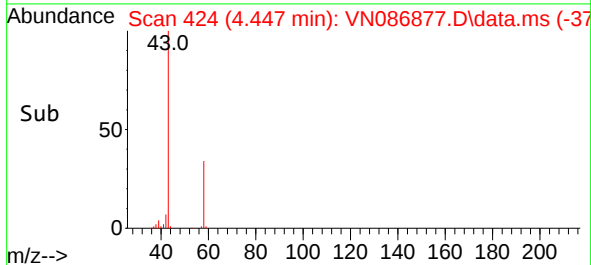
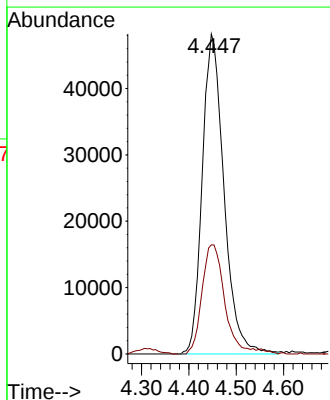
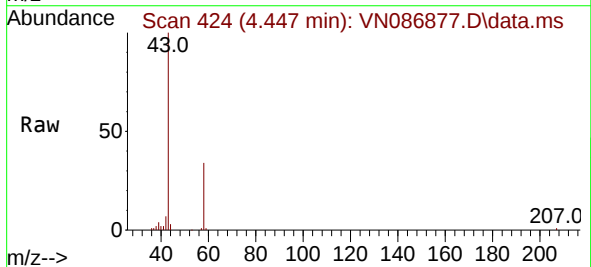
Instrument :
MSVOA_N
ClientSampleId :
3888

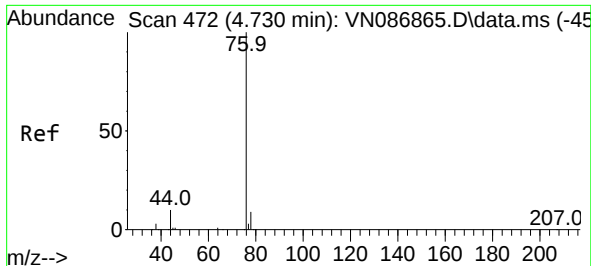
Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 0.0 55.6 83.4#



#16
Acetone
Concen: 65.525 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 43 Resp: 153550
Ion Ratio Lower Upper
43 100
58 34.1 28.0 42.0

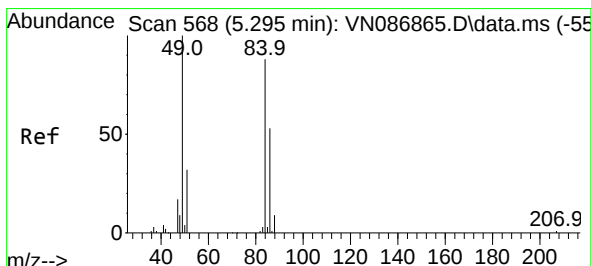
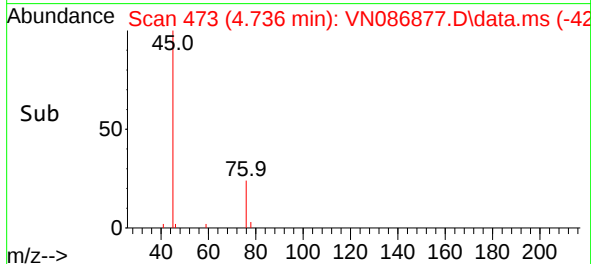
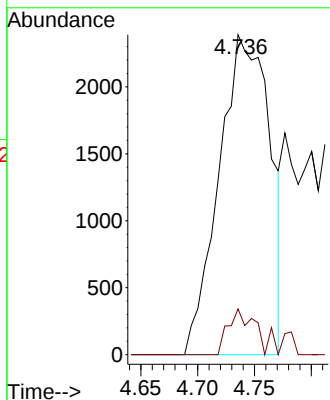
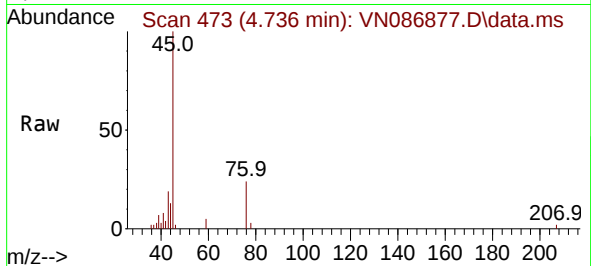




#17
Carbon Disulfide
Concen: 0.729 ug/l
RT: 4.736 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

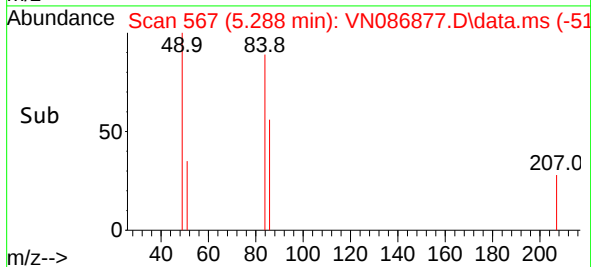
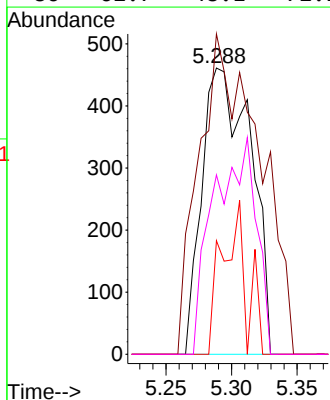
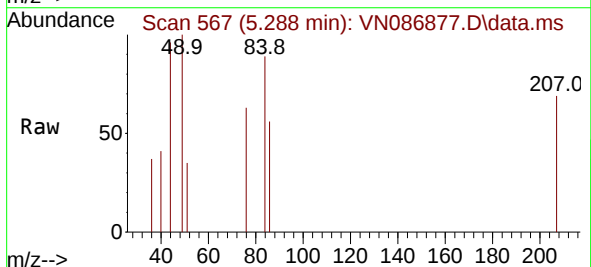
Instrument :
MSVOA_N
ClientSampleId :
3888

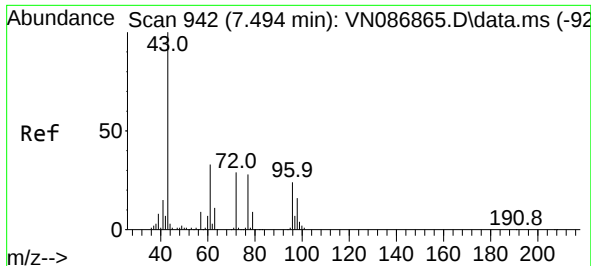
Tgt Ion: 76 Resp: 7406
Ion Ratio Lower Upper
76 100
78 14.3 7.3 10.9#



#20
Methylene Chloride
Concen: 0.273 ug/l
RT: 5.288 min Scan# 567
Delta R.T. -0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 84 Resp: 1196
Ion Ratio Lower Upper
84 100
49 111.9 90.5 135.7
51 39.7 28.5 42.7
86 62.7 48.1 72.1

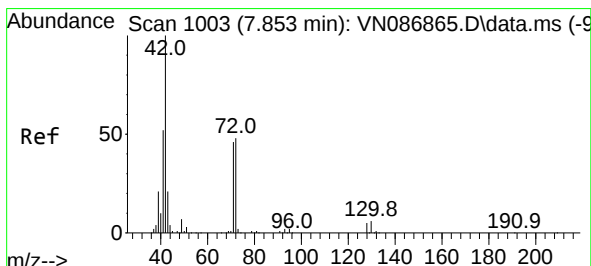
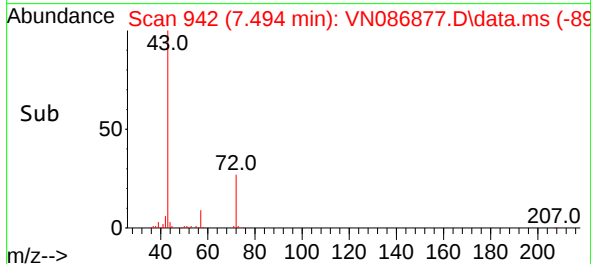
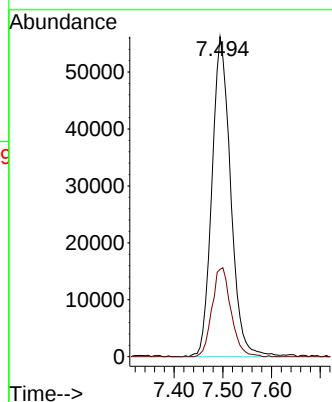
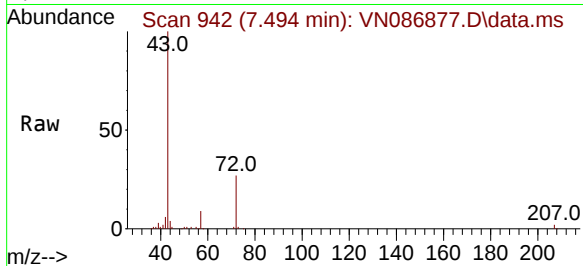




#25
2-Butanone
Concen: 39.319 ug/l
RT: 7.494 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

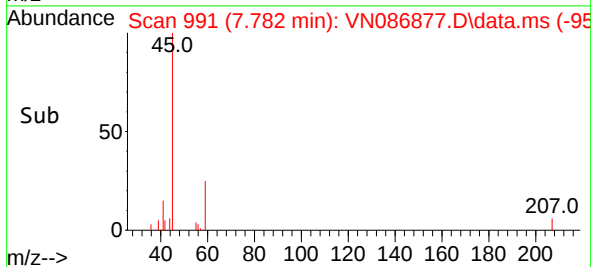
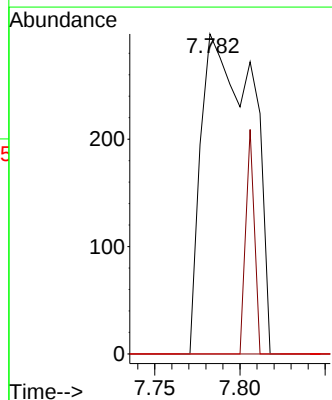
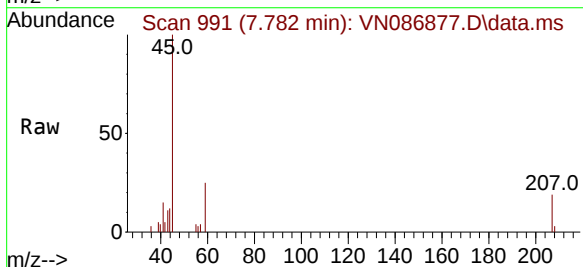
Instrument :
MSVOA_N
ClientSampleId :
3888

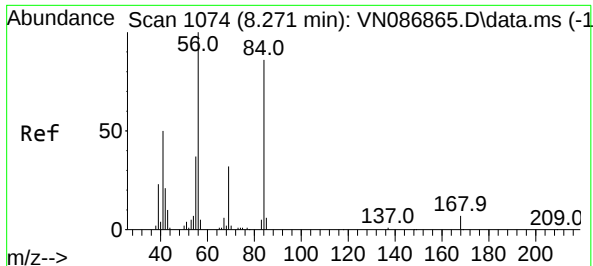
Tgt Ion: 43 Resp: 149769
Ion Ratio Lower Upper
43 100
72 27.3 23.0 34.6



#29
Tetrahydrofuran
Concen: 0.248 ug/l
RT: 7.782 min Scan# 991
Delta R.T. -0.071 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 42 Resp: 616
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 35.6 53.4#

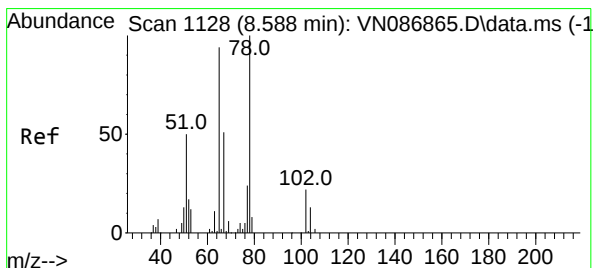
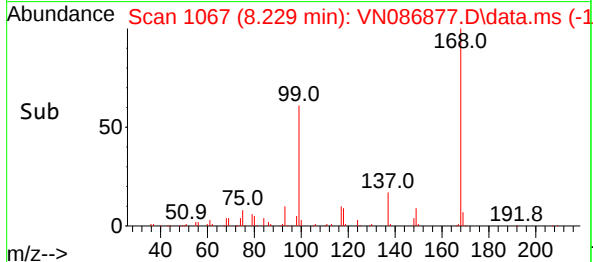
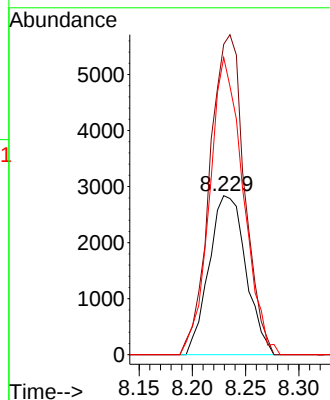
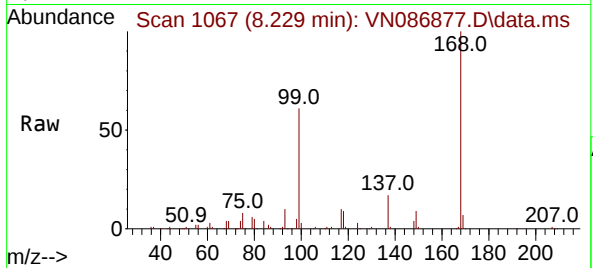




#31
Cyclohexane
Concen: 0.951 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

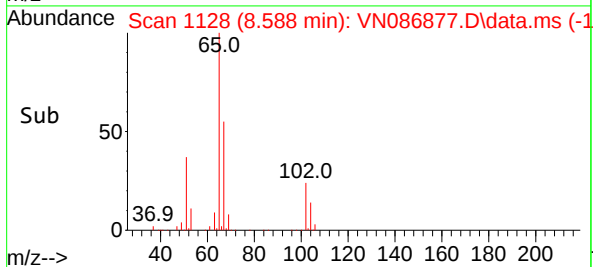
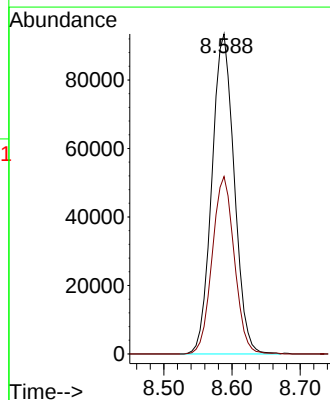
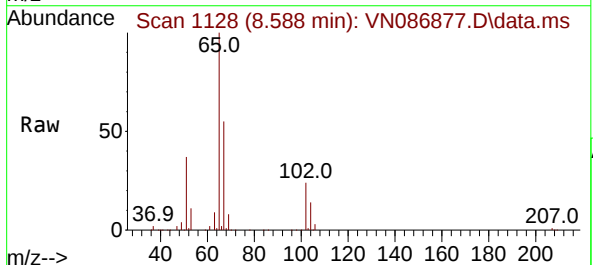
Instrument :
MSVOA_N
ClientSampleId :
3888

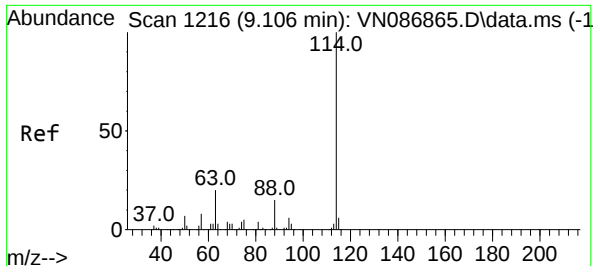
Tgt Ion: 56 Resp: 6815
Ion Ratio Lower Upper
56 100
69 195.1 25.4 38.0#
84 186.8 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.217 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 65 Resp: 213066
Ion Ratio Lower Upper
65 100
67 54.9 0.0 105.6

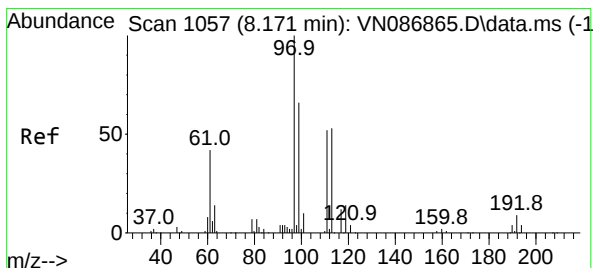
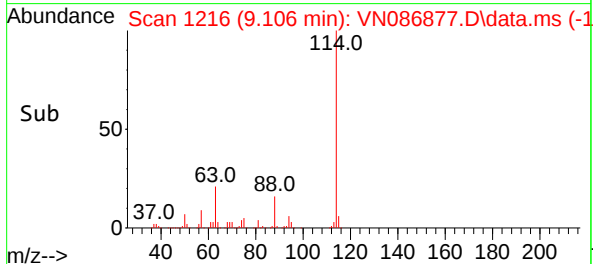
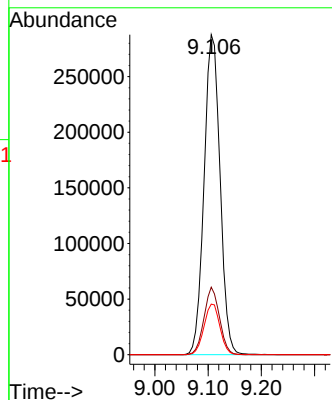
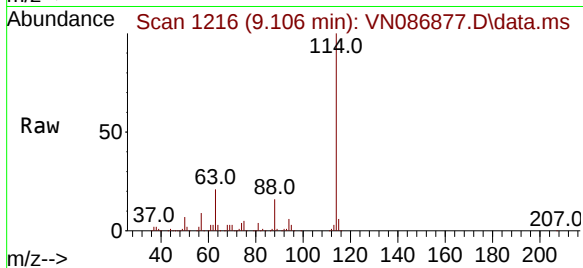




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

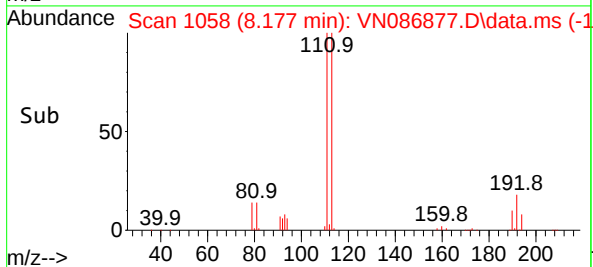
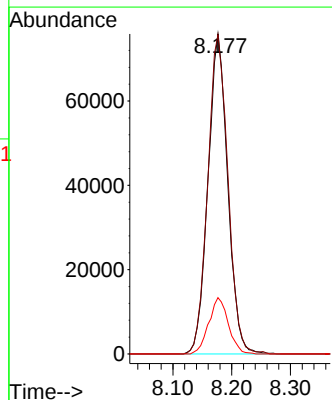
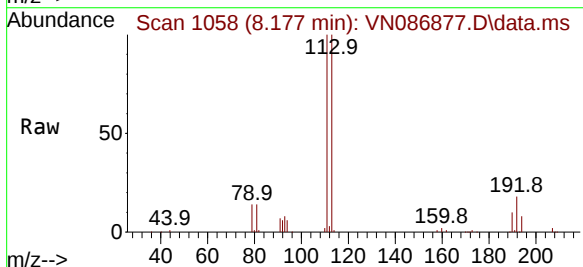
Instrument :
MSVOA_N
ClientSampleId :
3888

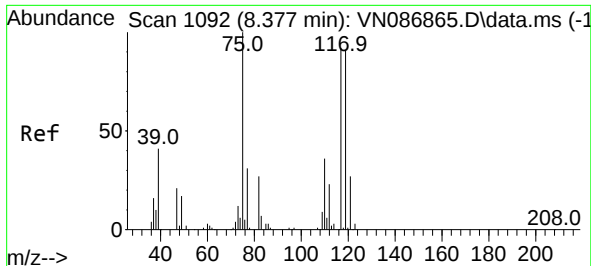
Tgt Ion:114 Resp: 599463
Ion Ratio Lower Upper
114 100
63 21.1 0.0 39.6
88 15.8 0.0 30.2



#35
Dibromofluoromethane
Concen: 49.729 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion:113 Resp: 176665
Ion Ratio Lower Upper
113 100
111 102.3 84.2 126.2
192 17.5 14.2 21.4

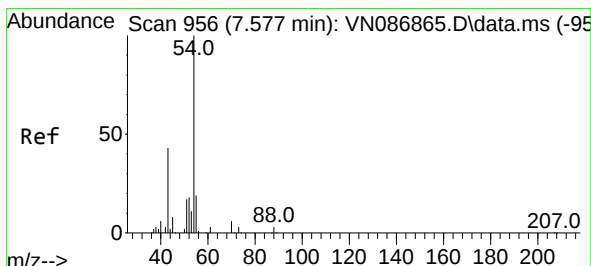
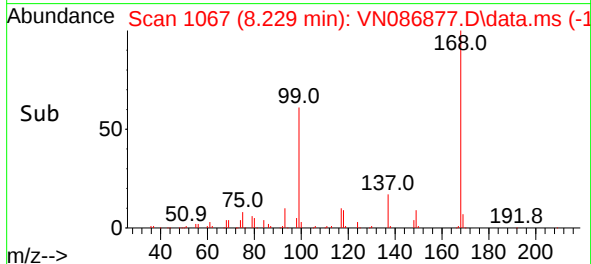
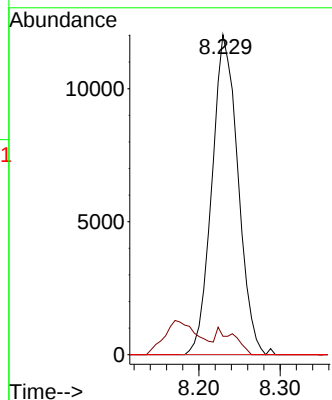
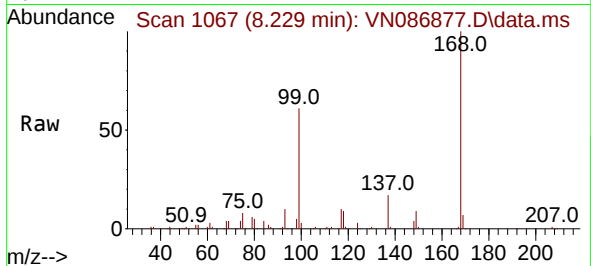




#36
1,1-Dichloropropene
Concen: 5.075 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

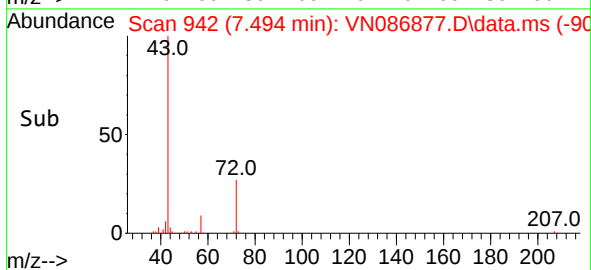
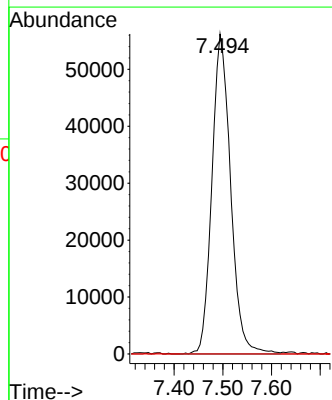
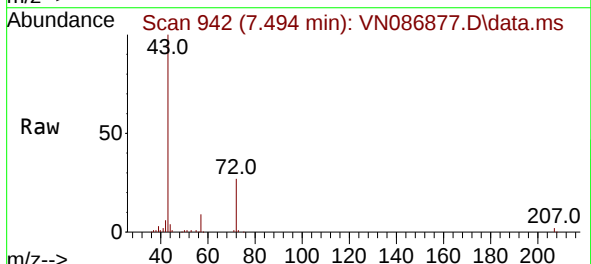
Instrument :
MSVOA_N
ClientSampleId :
3888

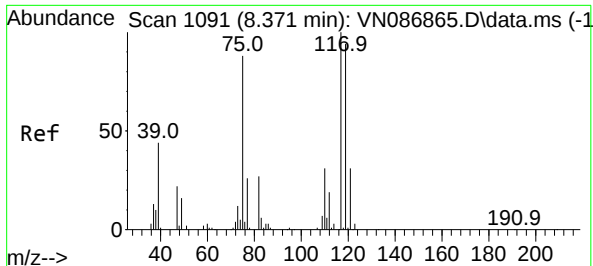
Tgt Ion: 75 Resp: 26868
Ion Ratio Lower Upper
75 100
110 5.8 17.6 52.9#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 22.225 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.083 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 43 Resp: 149769
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 9.8 14.6#

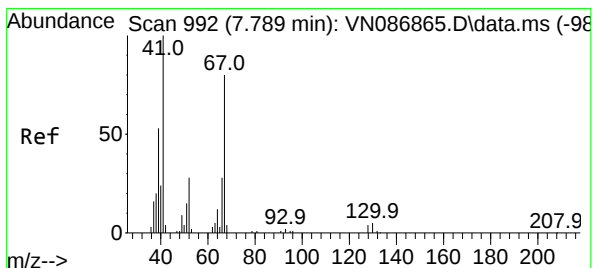
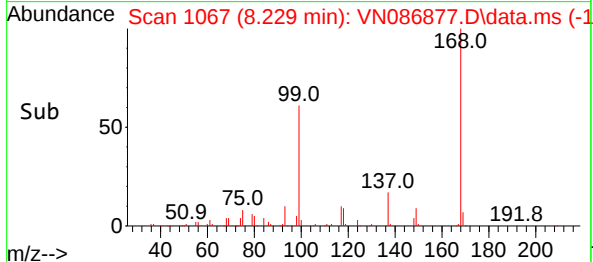
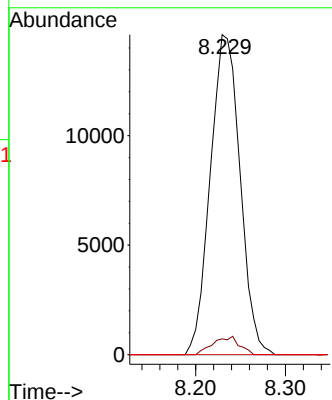
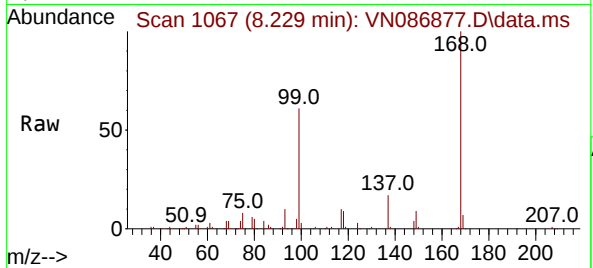




#38
Carbon Tetrachloride
Concen: 6.477 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

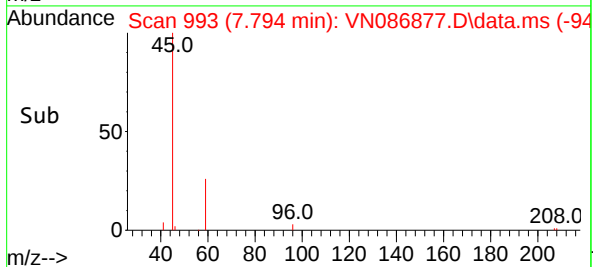
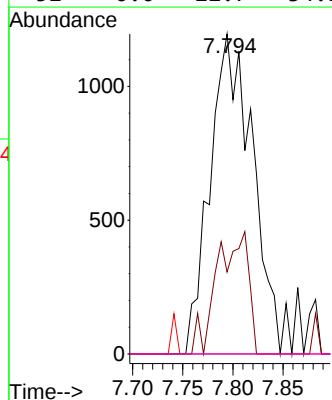
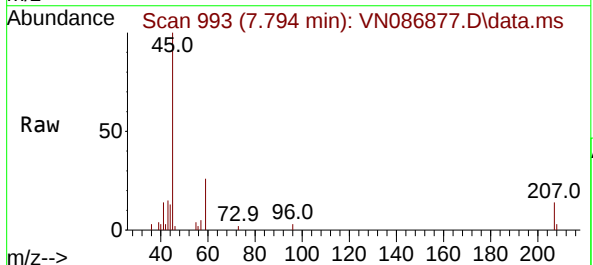
Instrument :
MSVOA_N
ClientSampleId :
3888

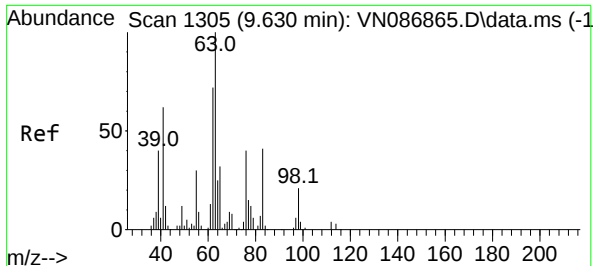
Tgt Ion:117 Resp: 33663
Ion Ratio Lower Upper
117 100
119 5.0 75.0 112.6#
121 0.0 24.9 37.3#



#41
Methacrylonitrile
Concen: 0.927 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 41 Resp: 3510
Ion Ratio Lower Upper
41 100
39 13.4 41.2 61.8#
67 0.0 61.4 92.2#
52 0.0 22.7 34.1#





#45

1,2-Dichloropropane

Concen: 0.227 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.030 min

Lab File: VN086877.D

Acq: 06 Jun 2025 19:28

Instrument :

MSVOA_N

ClientSampleId :

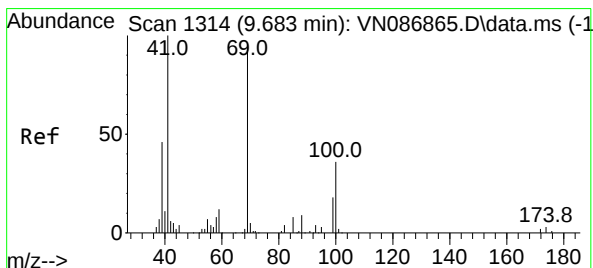
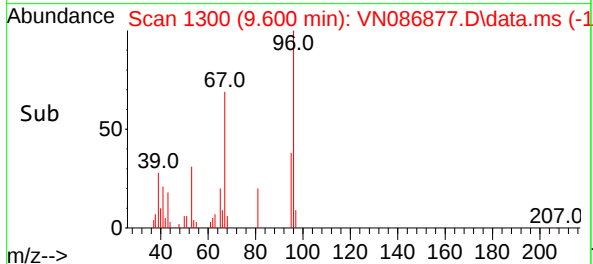
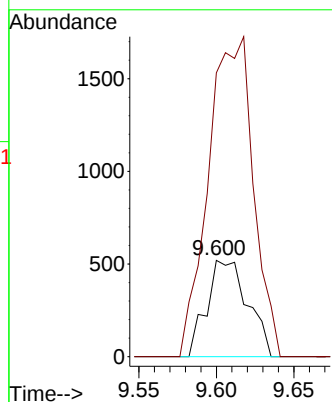
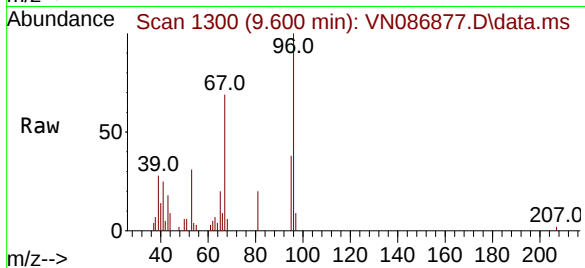
3888

Tgt Ion: 63 Resp: 955

Ion Ratio Lower Upper

63 100

65 294.6 25.5 38.3#



#48

Methyl methacrylate

Concen: 0.821 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.077 min

Lab File: VN086877.D

Acq: 06 Jun 2025 19:28

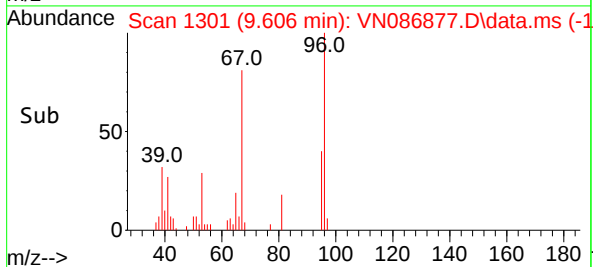
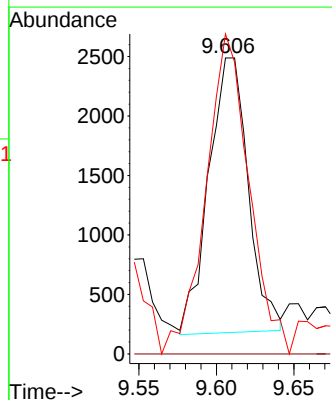
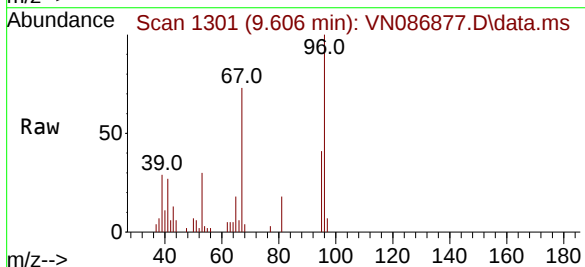
Tgt Ion: 41 Resp: 4089

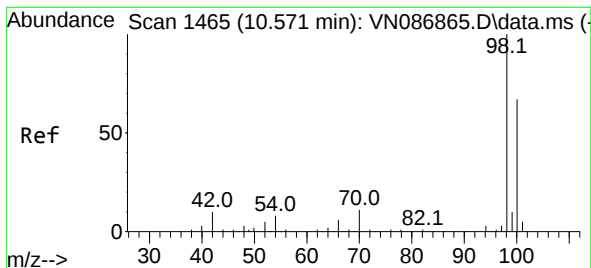
Ion Ratio Lower Upper

41 100

69 0.0 74.6 112.0#

39 126.4 40.2 60.4#





#50

Toluene-d8

Concen: 51.727 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN086877.D

Acq: 06 Jun 2025 19:28

Instrument :

MSVOA_N

ClientSampleId :

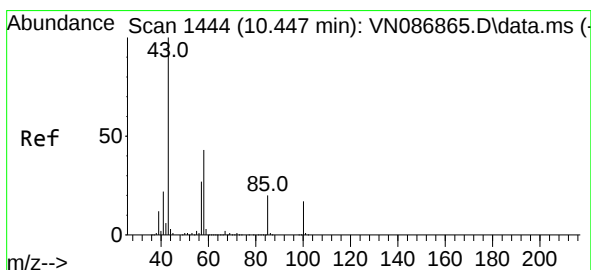
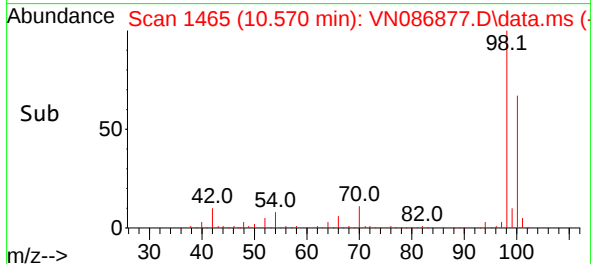
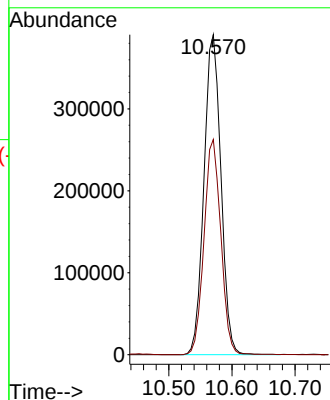
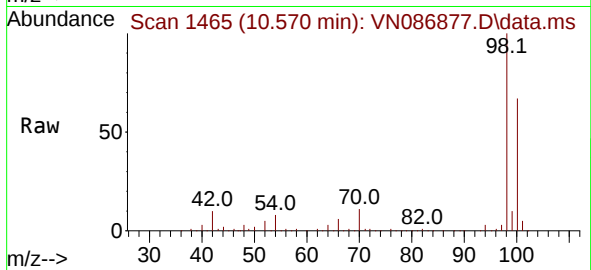
3888

Tgt Ion: 98 Resp: 727475

Ion Ratio Lower Upper

98 100

100 66.5 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 1.768 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN086877.D

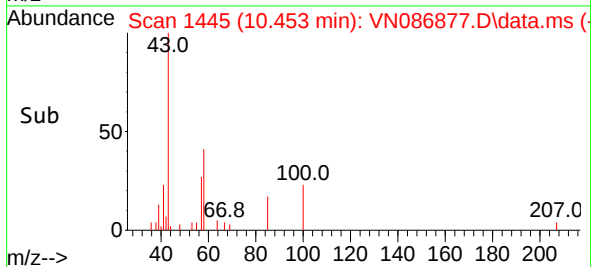
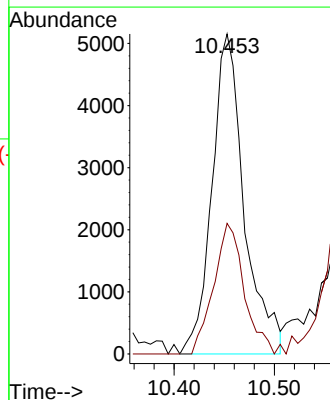
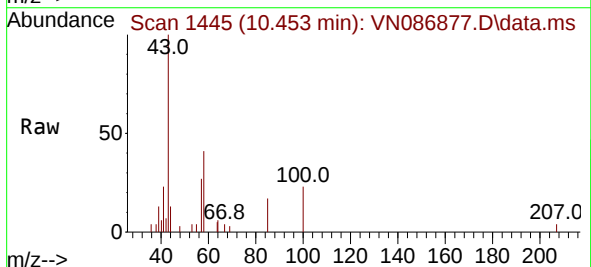
Acq: 06 Jun 2025 19:28

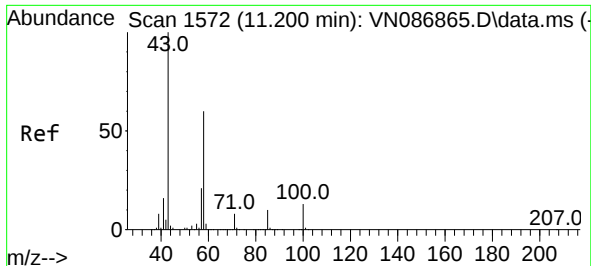
Tgt Ion: 43 Resp: 11511

Ion Ratio Lower Upper

43 100

58 38.4 34.2 51.4

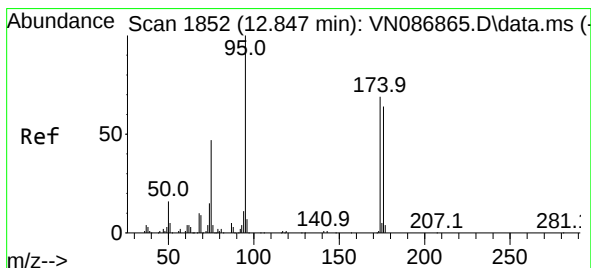
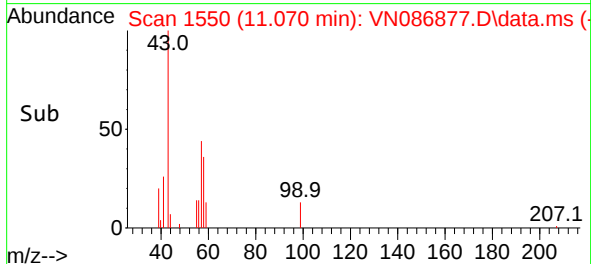
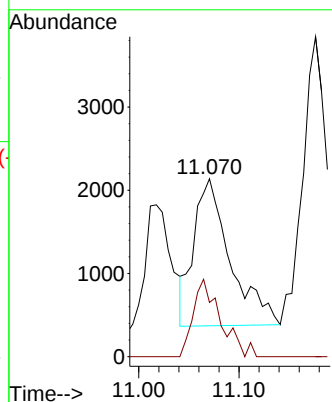
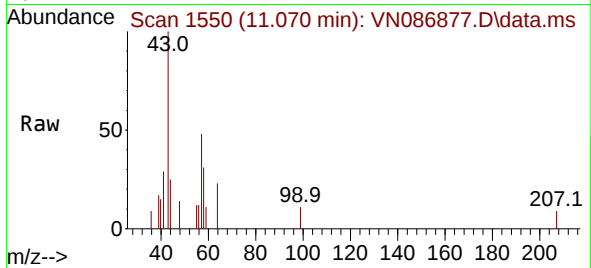




#59
2-Hexanone
Concen: 1.068 ug/l
RT: 11.070 min Scan# 1150
Delta R.T. -0.130 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

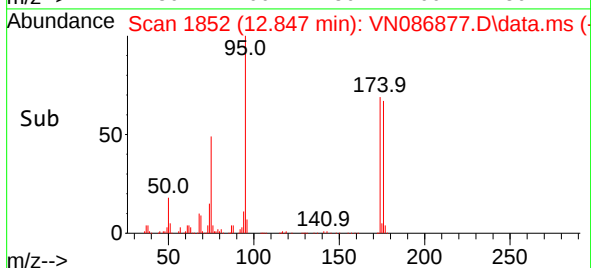
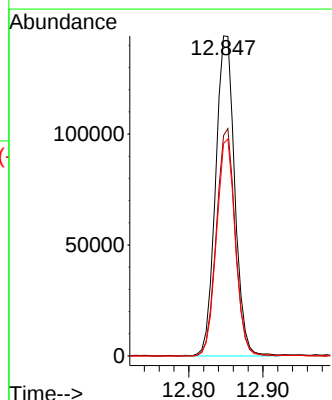
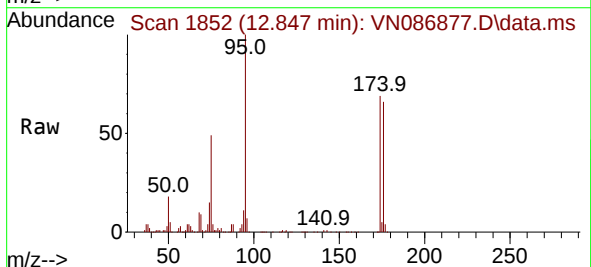
Instrument :
MSVOA_N
ClientSampleId :
3888

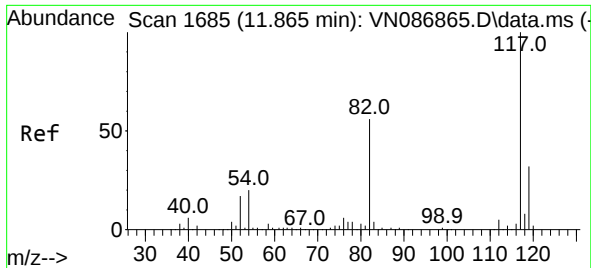
Tgt Ion: 43 Resp: 4479
Ion Ratio Lower Upper
43 100
58 39.3 30.4 91.3



#62
4-Bromofluorobenzene
Concen: 49.588 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 95 Resp: 259099
Ion Ratio Lower Upper
95 100
174 69.6 0.0 141.8
176 66.4 0.0 132.6

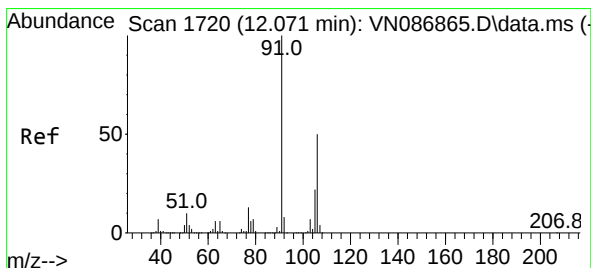
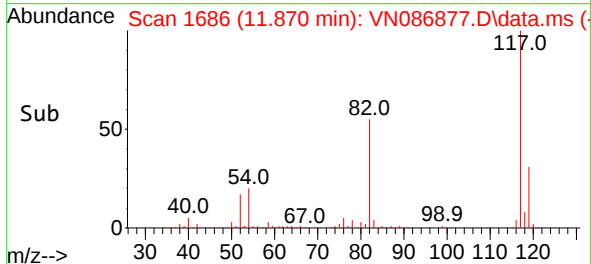
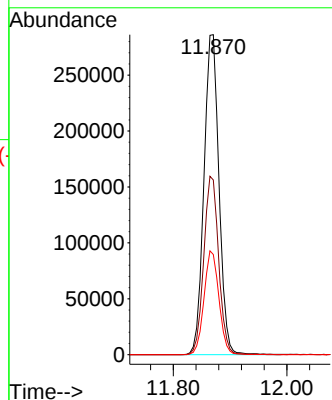
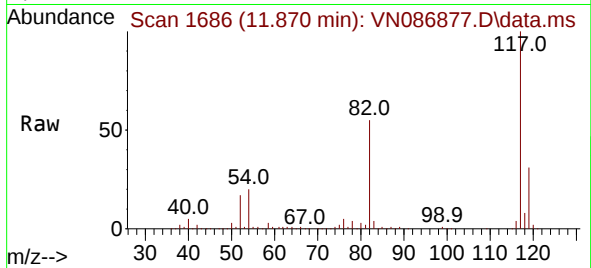




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1186
Delta R.T. 0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

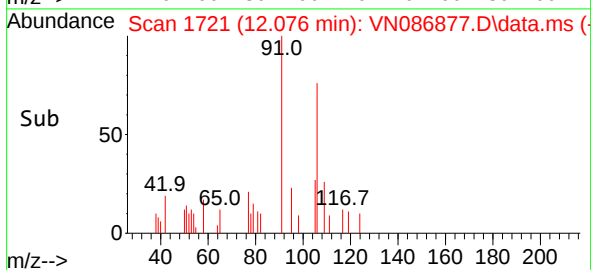
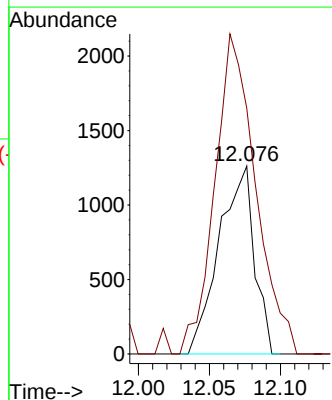
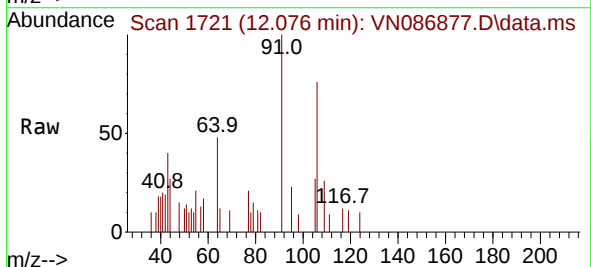
Instrument :
MSVOA_N
ClientSampleId :
3888

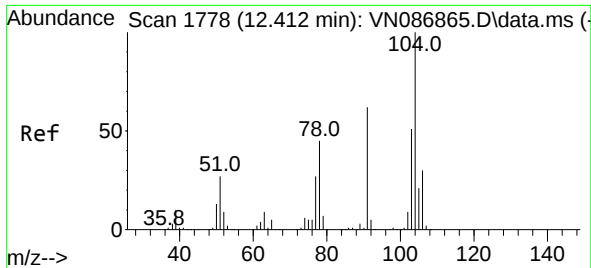
Tgt Ion:117 Resp: 525276
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 31.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.284 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion:106 Resp: 2172
Ion Ratio Lower Upper
106 100
91 197.4 159.4 239.0

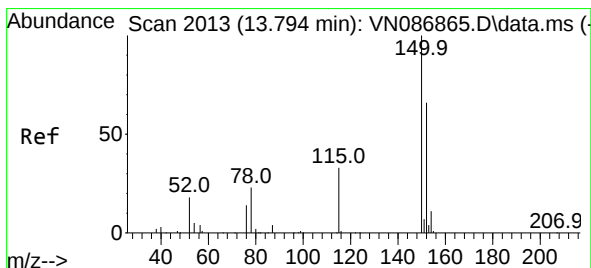
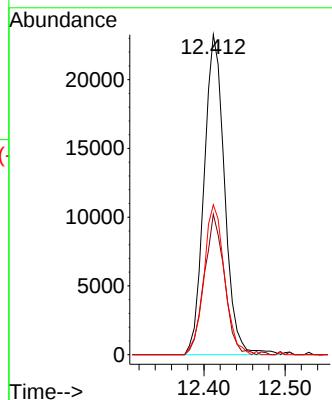
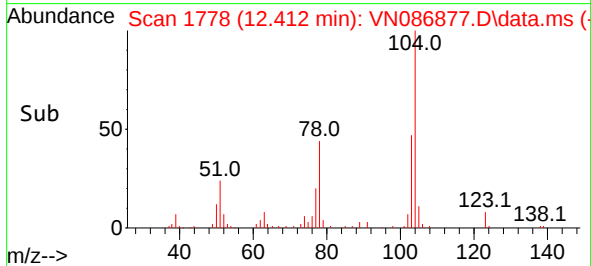
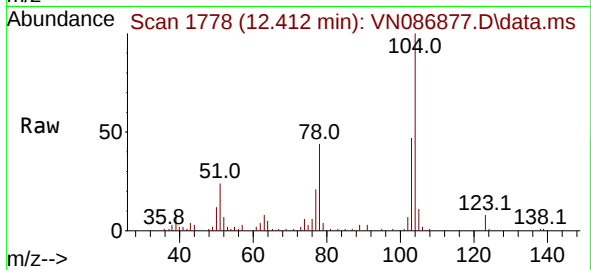




#70
Styrene
Concen: 3.261 ug/l
RT: 12.412 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

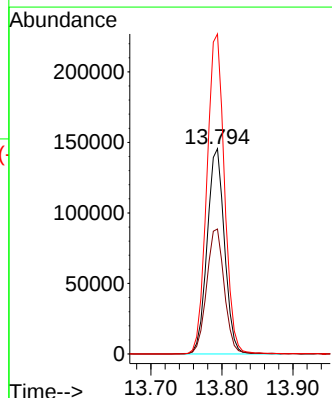
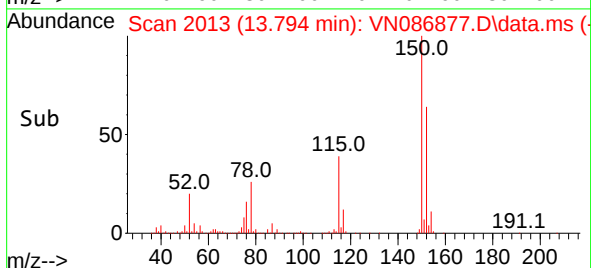
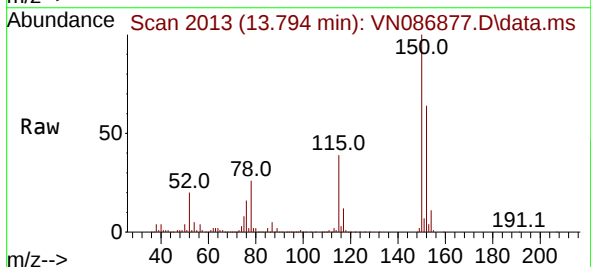
Instrument :
MSVOA_N
ClientSampleId :
3888

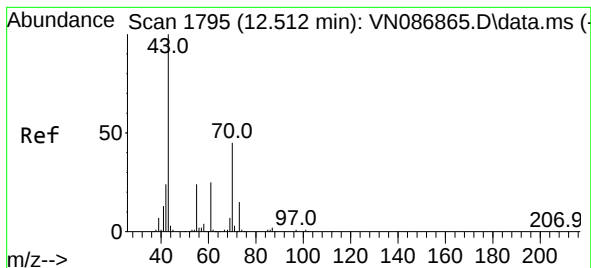
Tgt Ion:	104	Resp:	40823
Ion	Ratio	Lower	Upper
104	100		
78	43.3	38.5	57.7
103	47.0	43.1	64.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion:	152	Resp:	247165
Ion	Ratio	Lower	Upper
152	100		
115	62.4	30.1	90.5
150	157.9	0.0	345.0





#74

N-amy1 acetate

Concen: 0.951 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN086877.D

Acq: 06 Jun 2025 19:28

Instrument :

MSVOA_N

ClientSampleId :

3888

Tgt Ion: 43 Resp: 5981

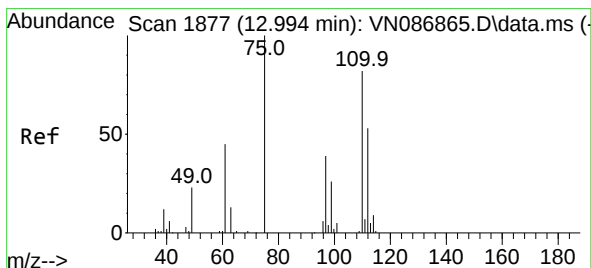
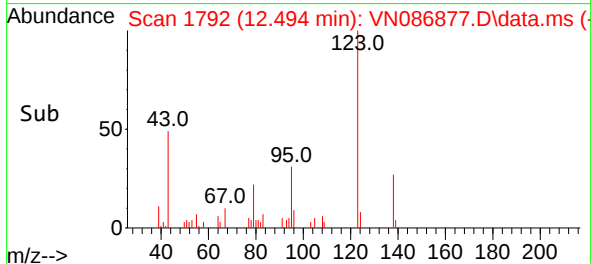
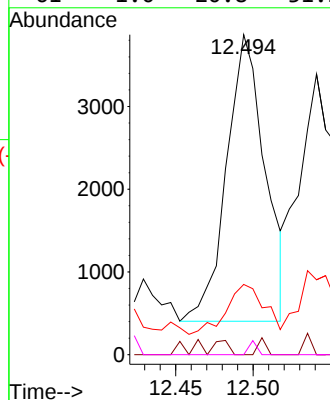
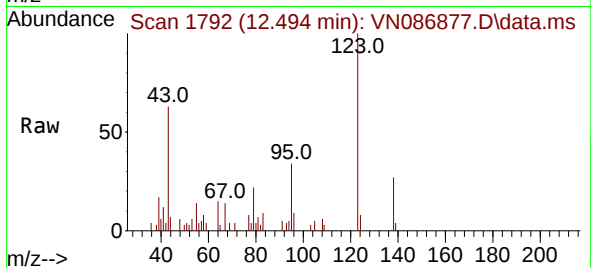
Ion Ratio Lower Upper

43 100

70 1.2 37.6 56.4#

55 17.1 19.0 28.6#

61 1.0 20.8 31.2#



#76

1,2,3-Trichloropropane

Concen: 20.870 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086877.D

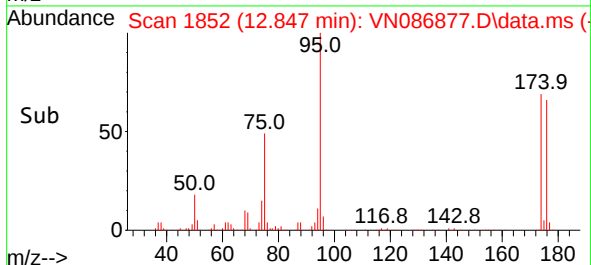
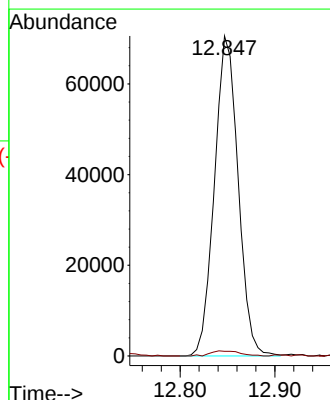
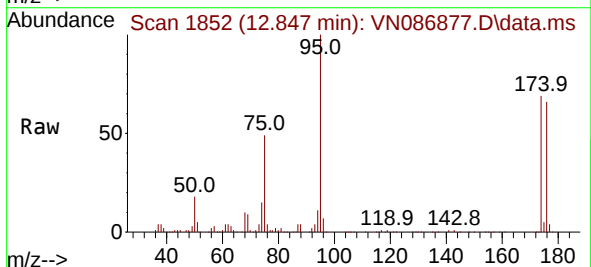
Acq: 06 Jun 2025 19:28

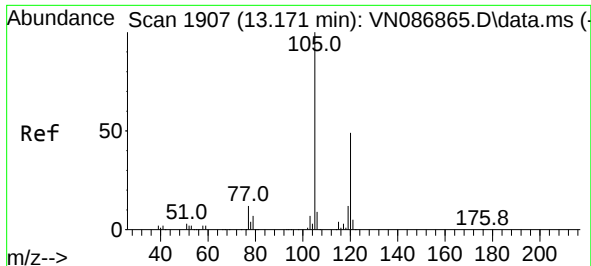
Tgt Ion: 75 Resp: 122617

Ion Ratio Lower Upper

75 100

77 2.0 79.3 237.9#

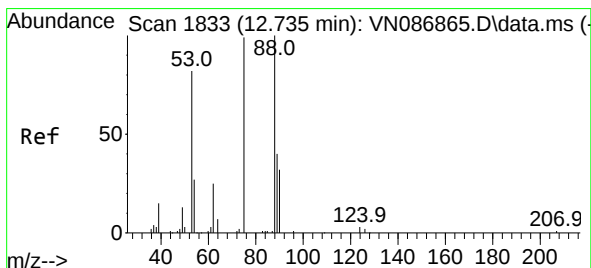
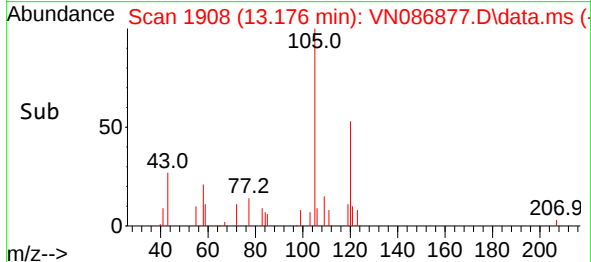
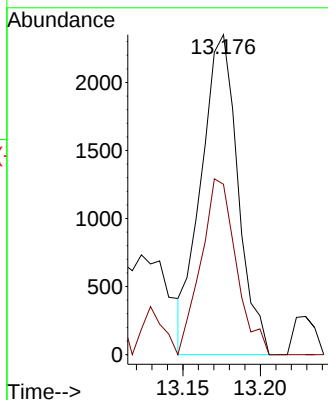
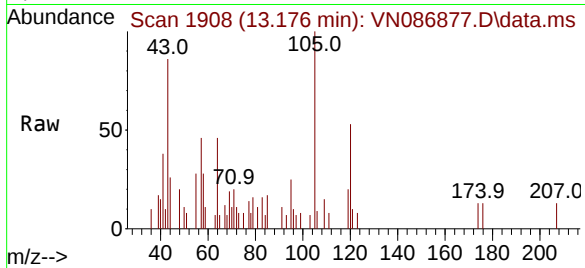




#80
1,3,5-Trimethylbenzene
Concen: 0.262 ug/l
RT: 13.176 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

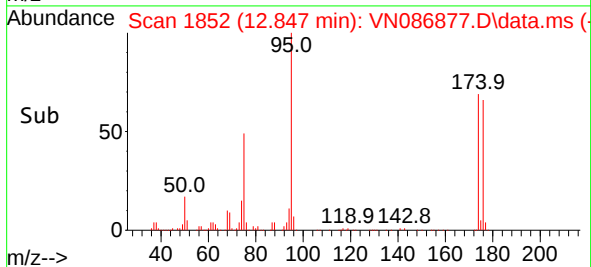
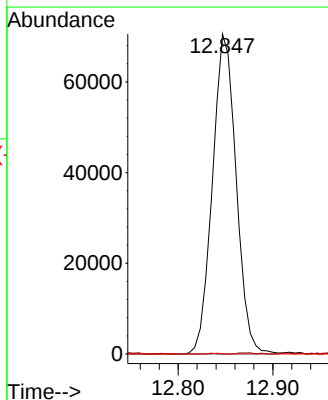
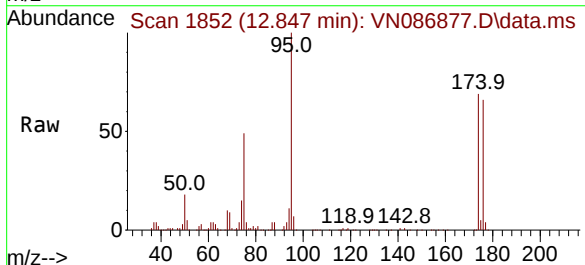
Instrument :
MSVOA_N
ClientSampleId :
3888

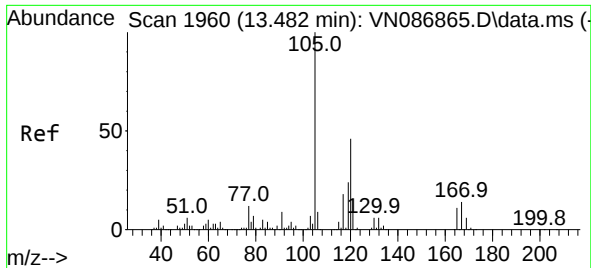
Tgt Ion:105 Resp: 3895
Ion Ratio Lower Upper
105 100
120 52.3 24.9 74.6



#81
trans-1,4-Dichloro-2-butene
Concen: 48.042 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.111 min
Lab File: VN086877.D
Acq: 06 Jun 2025 19:28

Tgt Ion: 75 Resp: 122617
Ion Ratio Lower Upper
75 100
53 0.1 66.6 99.8#
89 0.1 36.7 55.1#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.526 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN086877.D
 Acq: 06 Jun 2025 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 3888

Tgt Ion:105 Resp: 7846
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.2 69.6

