

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086153.D
 Acq On : 28 Mar 2025 16:18
 Operator : JC\MD
 Sample : Q1664-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-001-02

Quant Time: Mar 28 23:38:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

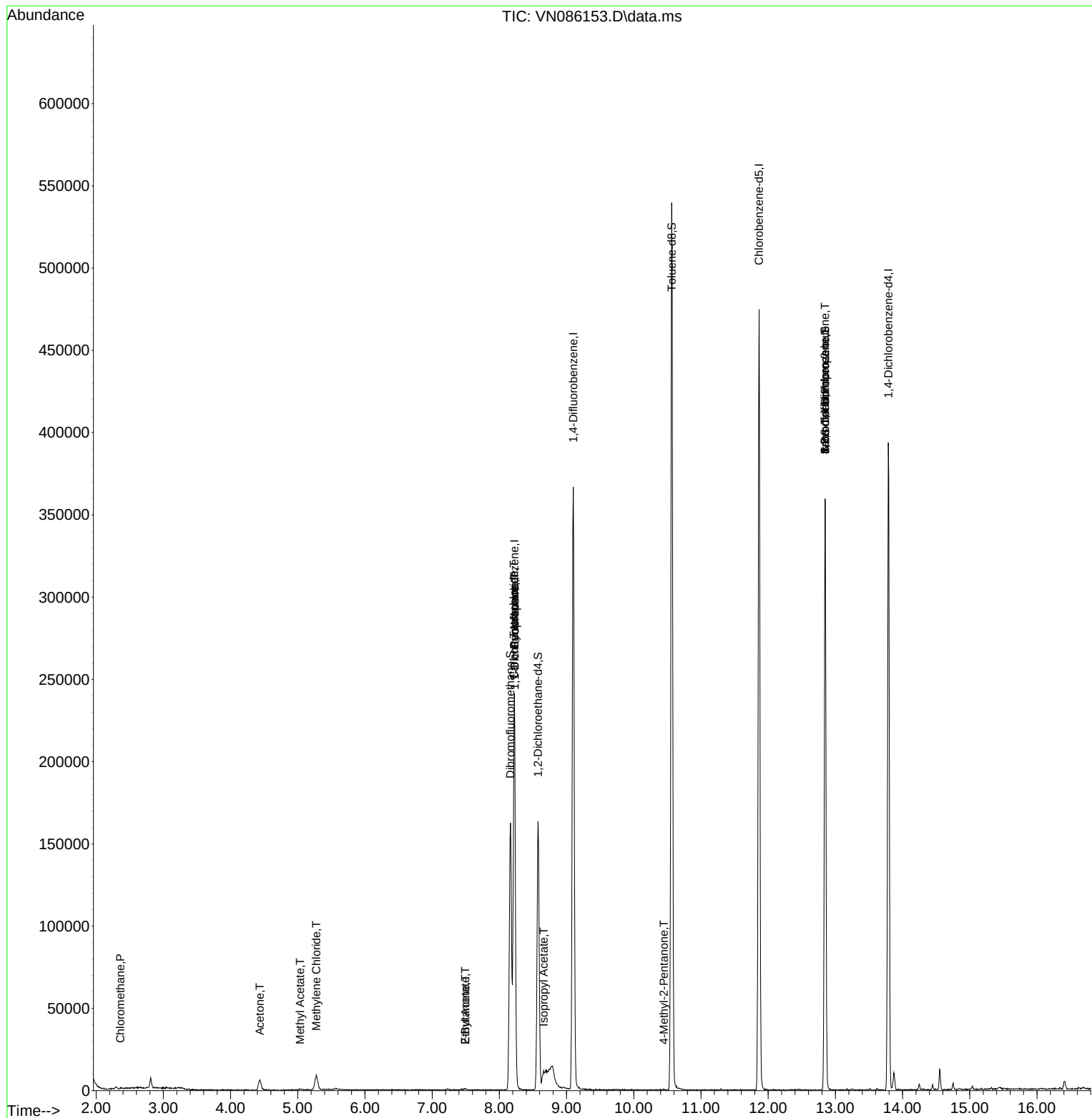
Internal Standards						
1) Pentafluorobenzene	8.224	168	169934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	326263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134445	57.777	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.560%			
35) Dibromofluoromethane	8.165	113	119183	52.336	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.680%			
50) Toluene-d8	10.565	98	390022	47.190	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.380%			
62) 4-Bromofluorobenzene	12.847	95	125537	42.591	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.180%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	439	0.222	ug/l #	73
16) Acetone	4.436	43	11528	16.216	ug/l #	83
18) Methyl Acetate	5.036	43	1570	0.893	ug/l #	45
20) Methylene Chloride	5.277	84	7856	3.777	ug/l	96
25) 2-Butanone	7.494	43	1401	1.366	ug/l #	40
31) Cyclohexane	8.224	56	3743	1.291	ug/l #	14
36) 1,1-Dichloropropene	8.229	75	13613	4.540	ug/l #	45
37) Ethyl Acetate	7.494	43	1401	0.554	ug/l #	64
38) Carbon Tetrachloride	8.218	117	18077	4.585	ug/l #	17
43) Isopropyl Acetate	8.659	43	8617	1.572	ug/l #	50
51) 4-Methyl-2-Pentanone	10.447	43	580	0.240	ug/l #	30
71) Bromoform	12.847	173	1164	0.576	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	62301	24.314	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62301	64.283	ug/l #	16

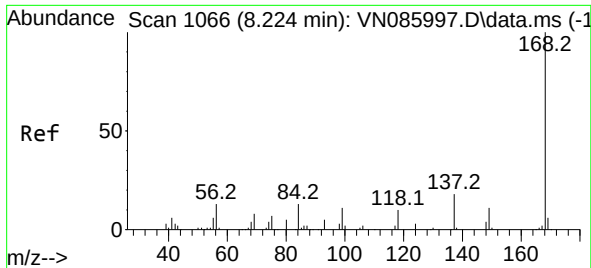
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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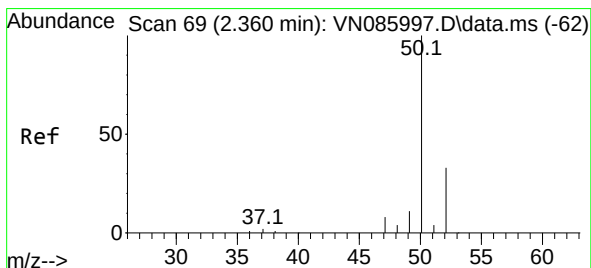
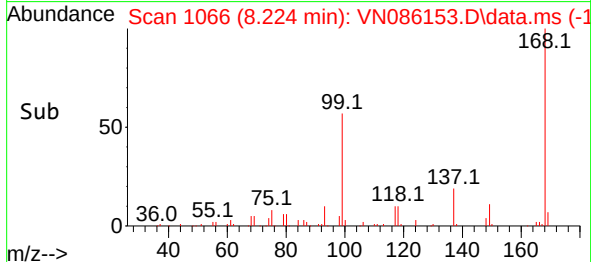
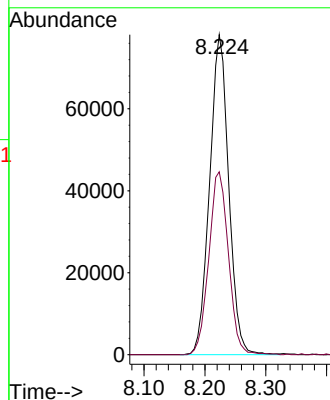
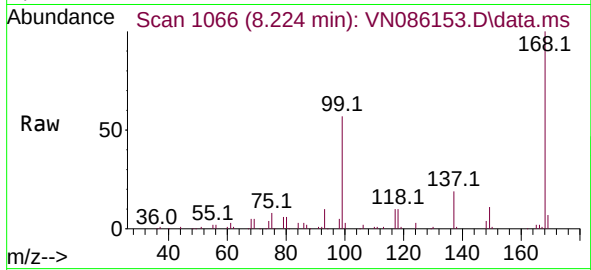




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

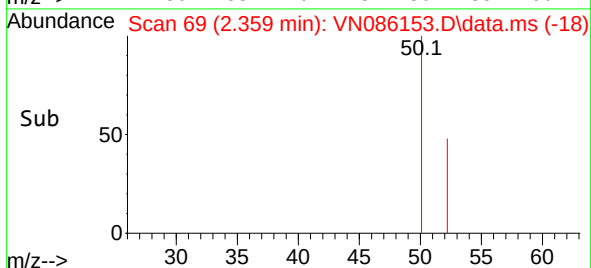
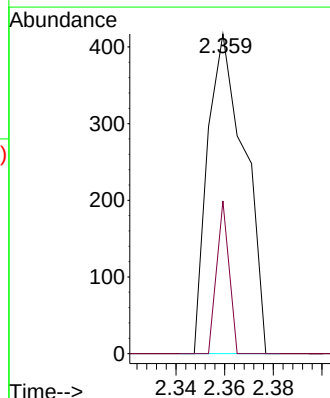
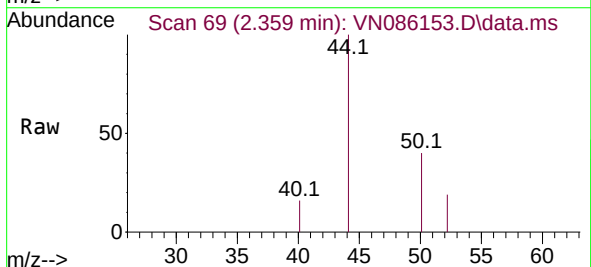
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-02

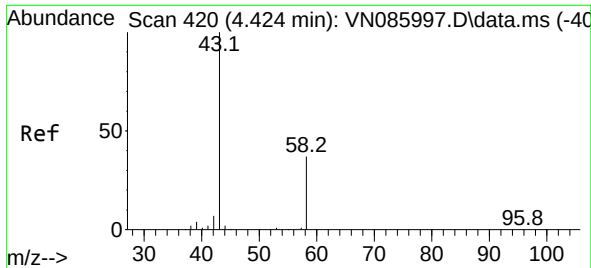
Tgt Ion:168 Resp: 169934
Ion Ratio Lower Upper
168 100
99 57.1 49.4 74.2



#3
Chloromethane
Concen: 0.222 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

Tgt Ion: 50 Resp: 439
Ion Ratio Lower Upper
50 100
52 47.7 26.0 39.0#





#16

Acetone

Concen: 16.216 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.011 min

Lab File: VN086153.D

Acq: 28 Mar 2025 16:18

Instrument :

MSVOA_N

ClientSampleId :

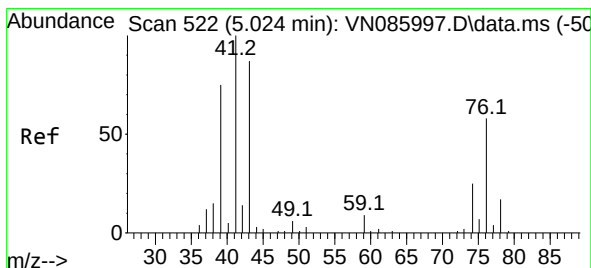
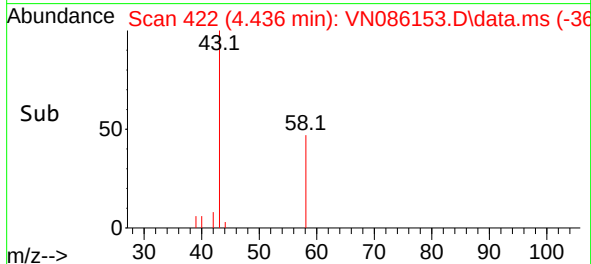
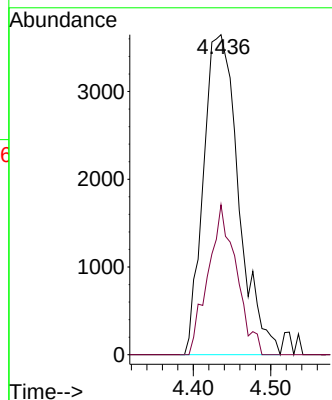
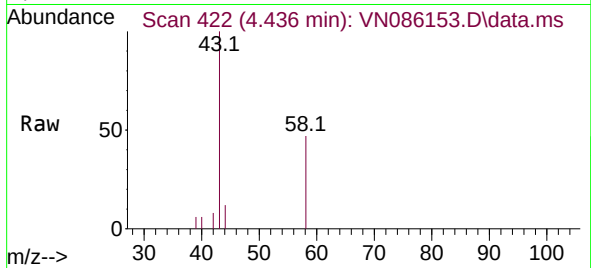
P001-BBDGA-001-02

Tgt Ion: 43 Resp: 11528

Ion Ratio Lower Upper

43 100

58 46.9 29.4 44.2#



#18

Methyl Acetate

Concen: 0.893 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.012 min

Lab File: VN086153.D

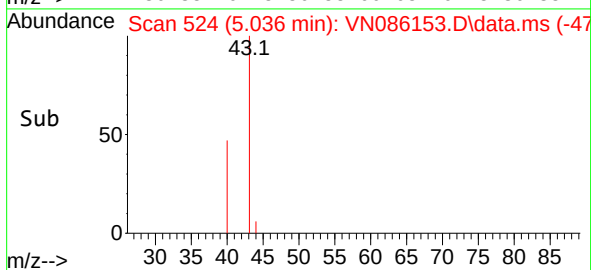
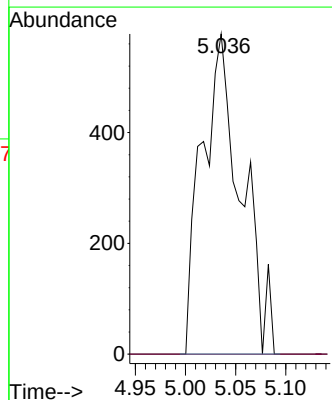
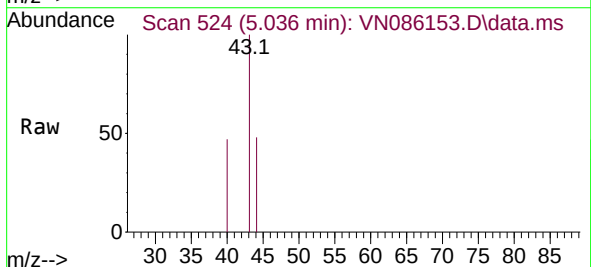
Acq: 28 Mar 2025 16:18

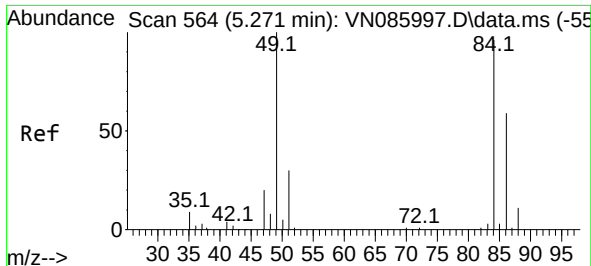
Tgt Ion: 43 Resp: 1570

Ion Ratio Lower Upper

43 100

74 0.0 23.9 35.9#





#20

Methylene Chloride

Concen: 3.777 ug/l

RT: 5.277 min Scan# 5

Delta R.T. 0.006 min

Lab File: VN086153.D

Acq: 28 Mar 2025 16:18

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-001-02

Tgt Ion: 84 Resp: 7856

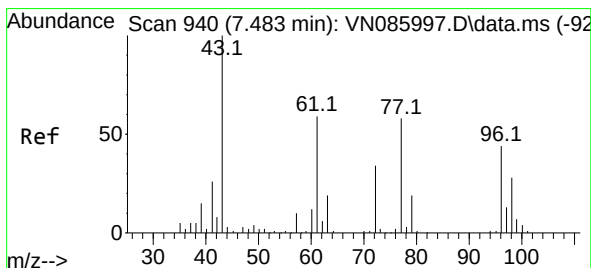
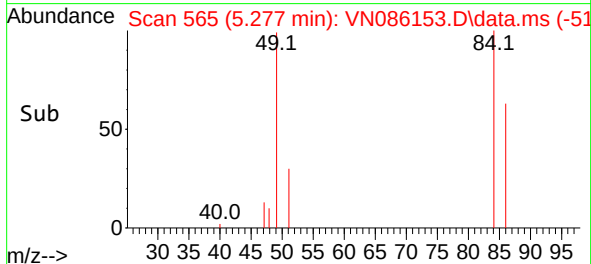
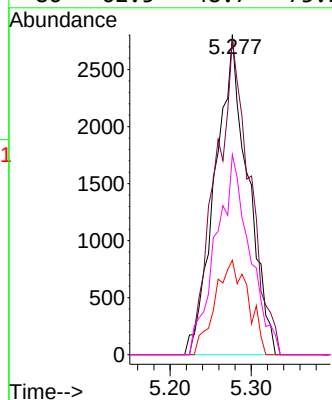
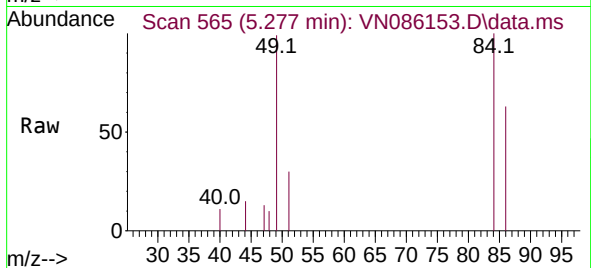
Ion Ratio Lower Upper

84 100

49 98.6 83.3 124.9

51 29.5 24.8 37.2

86 62.5 48.7 73.1



#25

2-Butanone

Concen: 1.366 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN086153.D

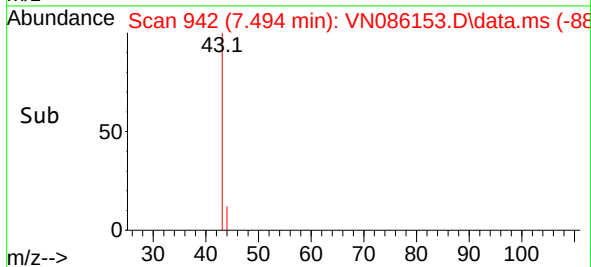
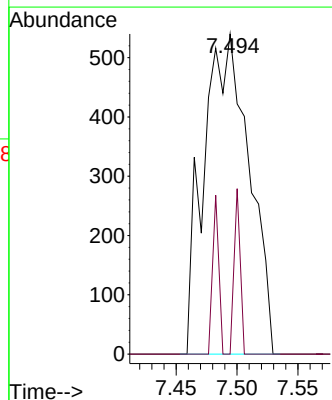
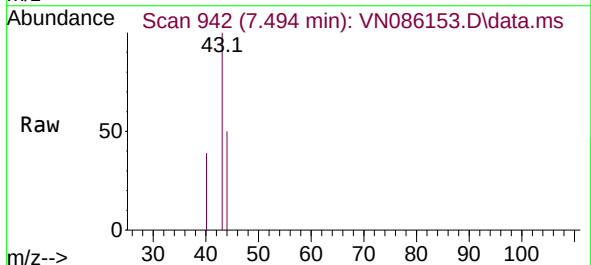
Acq: 28 Mar 2025 16:18

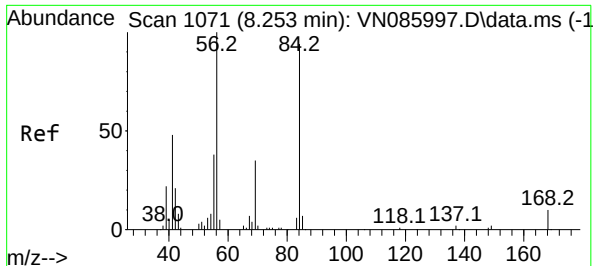
Tgt Ion: 43 Resp: 1401

Ion Ratio Lower Upper

43 100

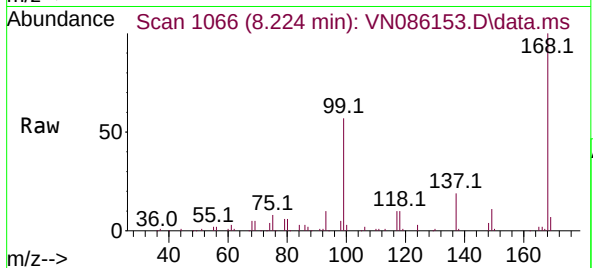
72 0.0 27.4 41.0#



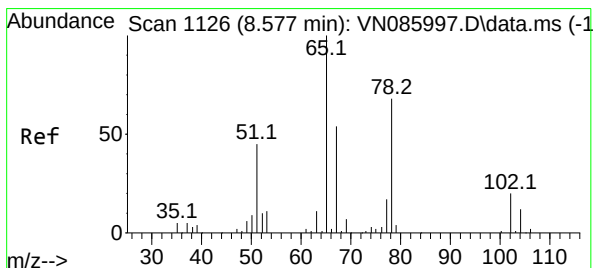
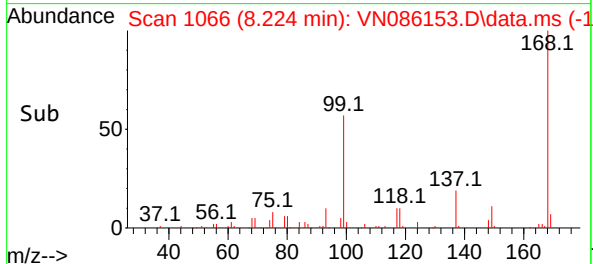
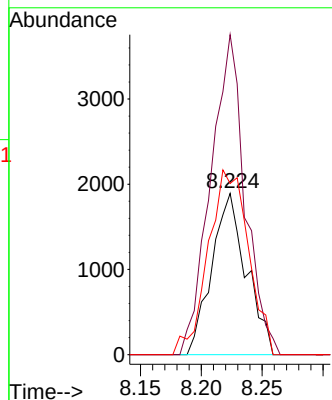


#31
Cyclohexane
Concen: 1.291 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-02

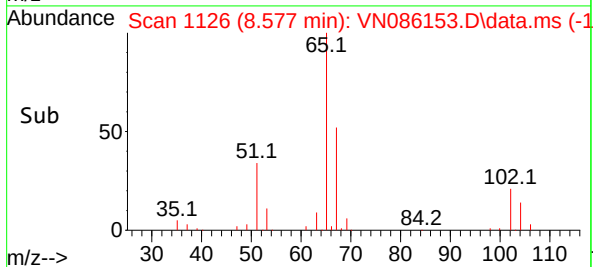
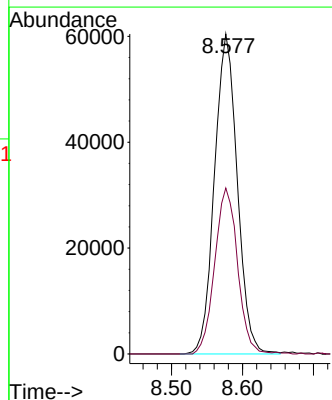
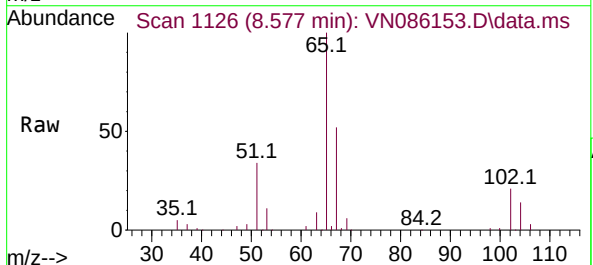


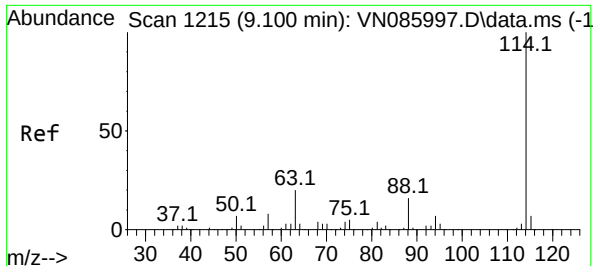
Tgt Ion: 56 Resp: 3743
Ion Ratio Lower Upper
56 100
69 198.4 28.0 42.0#
84 106.1 75.0 112.6



#33
1,2-Dichloroethane-d4
Concen: 57.777 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

Tgt Ion: 65 Resp: 134445
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.2

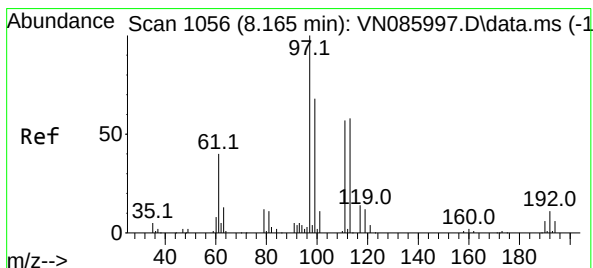
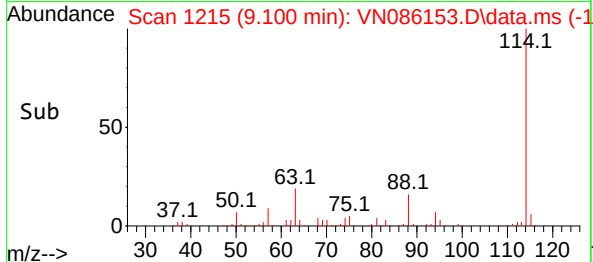
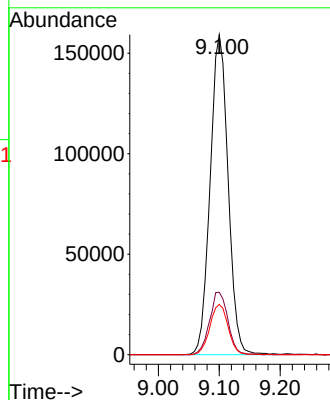
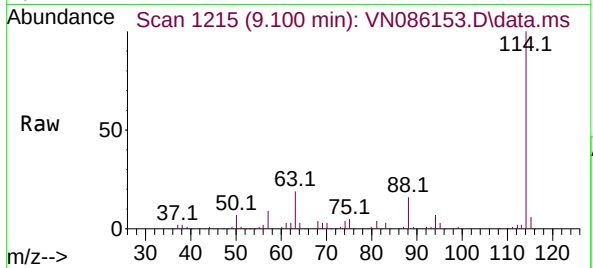




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

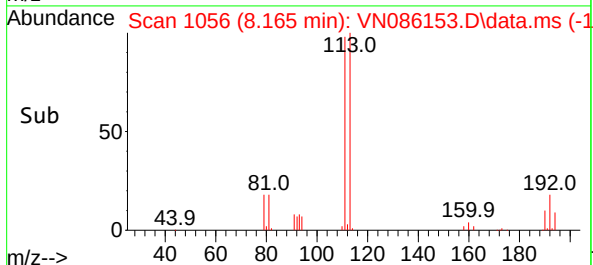
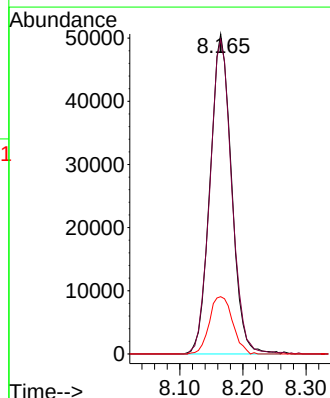
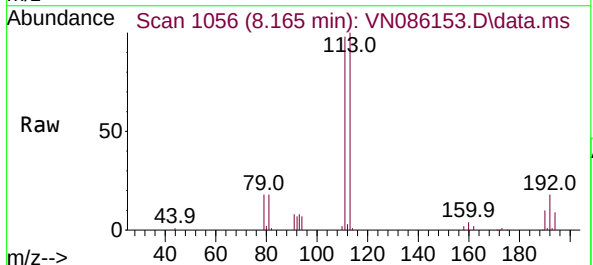
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-02

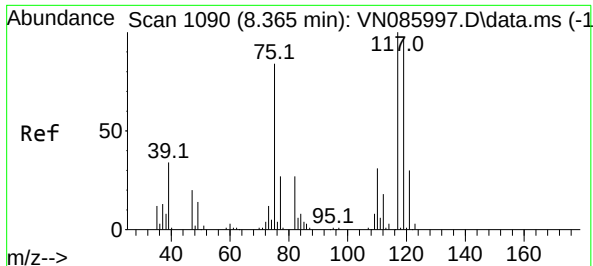
Tgt Ion:114 Resp: 326263
Ion Ratio Lower Upper
114 100
63 19.5 0.0 39.6
88 15.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 52.336 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

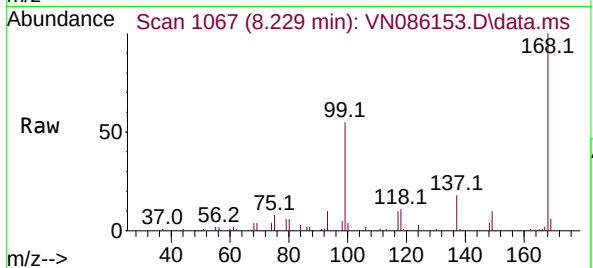
Tgt Ion:113 Resp: 119183
Ion Ratio Lower Upper
113 100
111 100.0 81.8 122.8
192 19.4 15.9 23.9



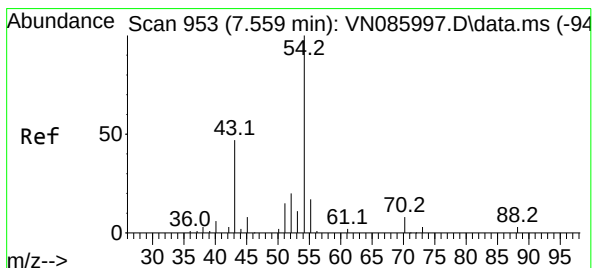
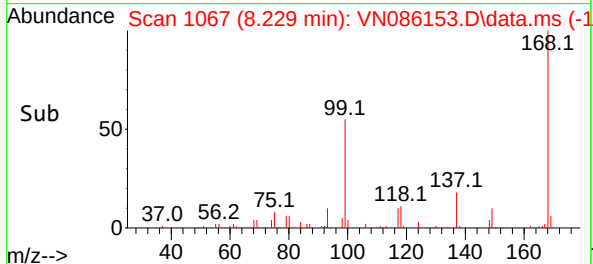
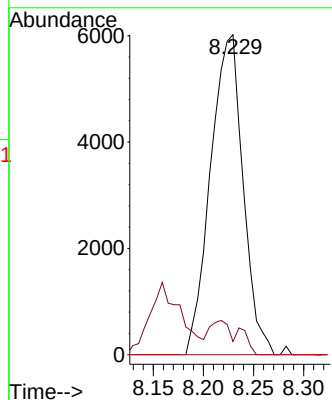


#36
1,1-Dichloropropene
Concen: 4.540 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.136 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-02

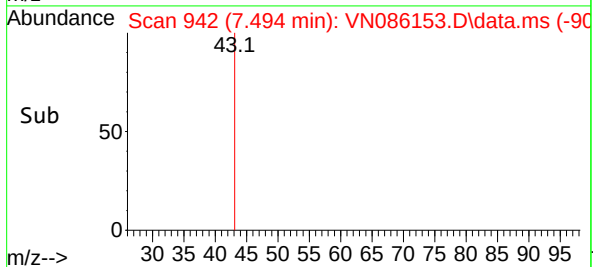
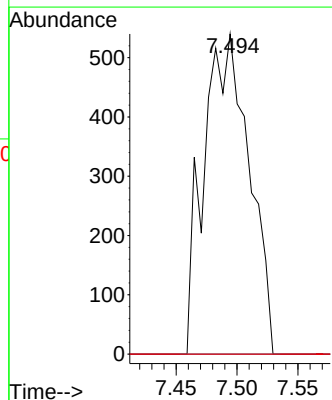
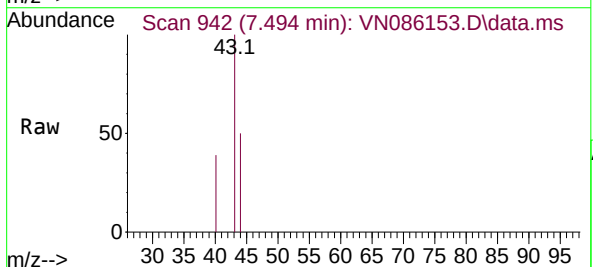


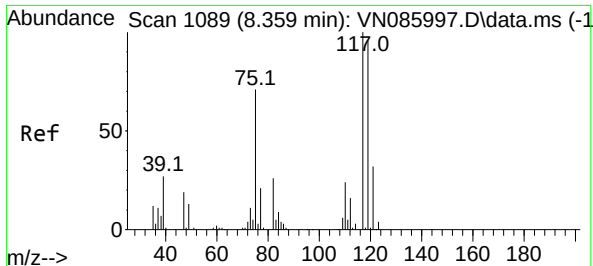
Tgt Ion: 75 Resp: 13613
Ion Ratio Lower Upper
75 100
110 3.9 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.554 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.065 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

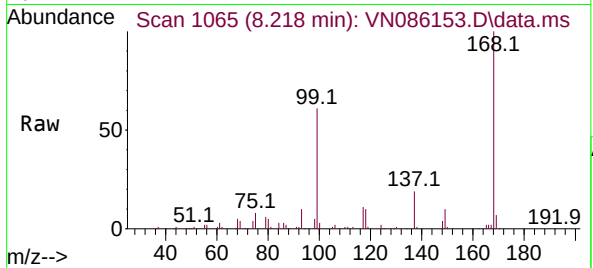
Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#



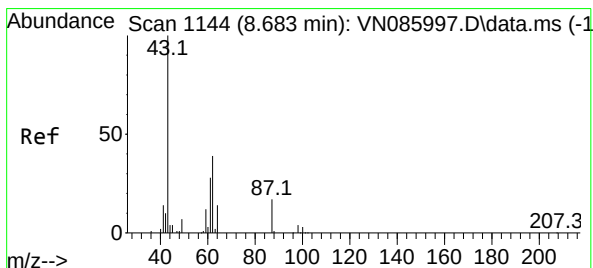
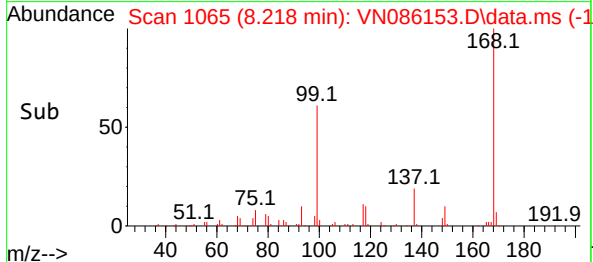
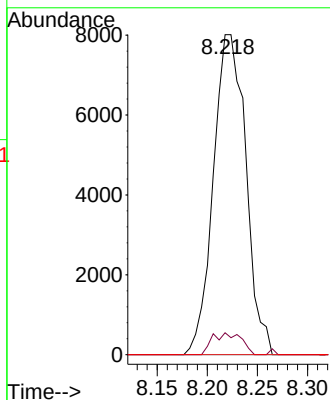


#38
Carbon Tetrachloride
Concen: 4.585 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-02

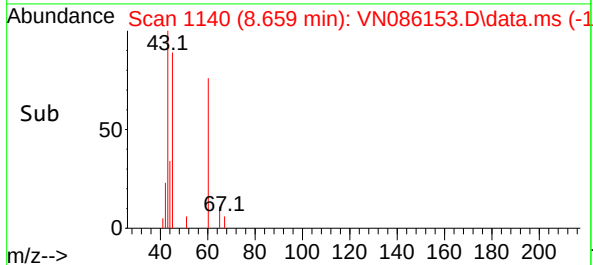
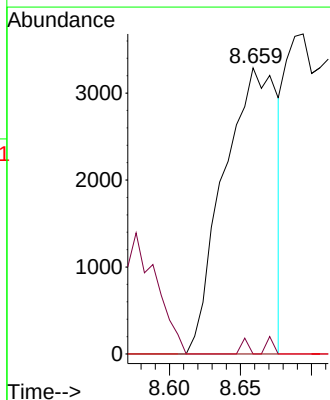
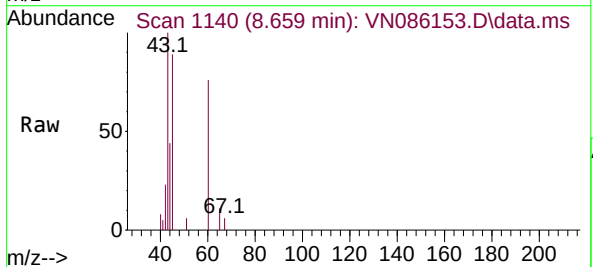


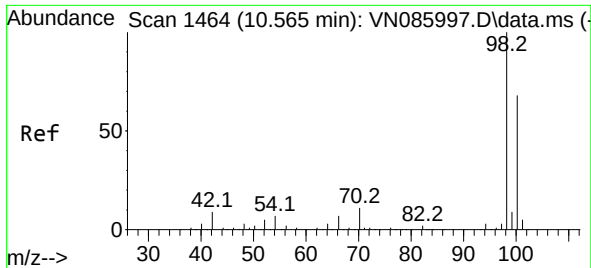
Tgt Ion:117 Resp: 18077
Ion Ratio Lower Upper
117 100
119 6.9 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 1.572 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.024 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

Tgt Ion: 43 Resp: 8617
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#

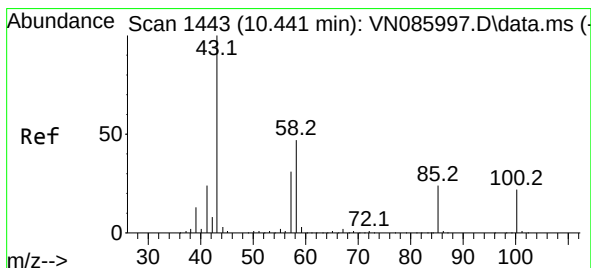
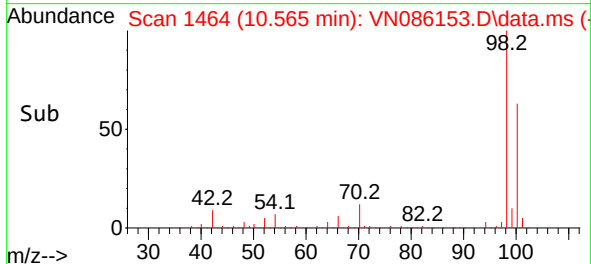
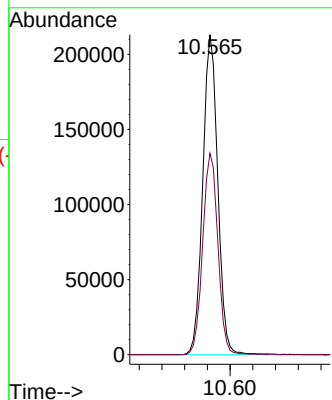
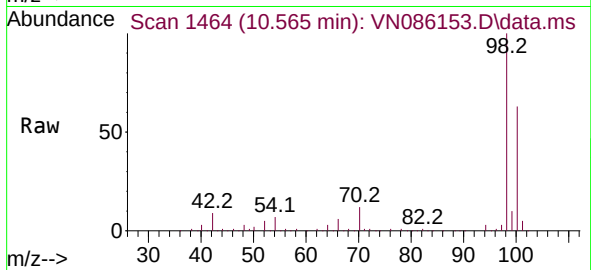




#50
Toluene-d8
Concen: 47.190 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

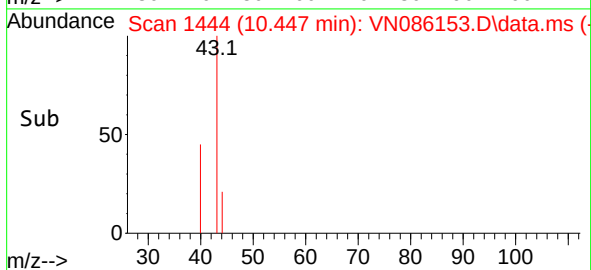
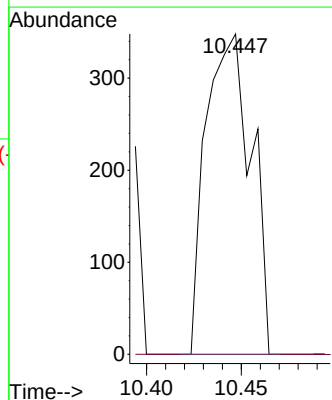
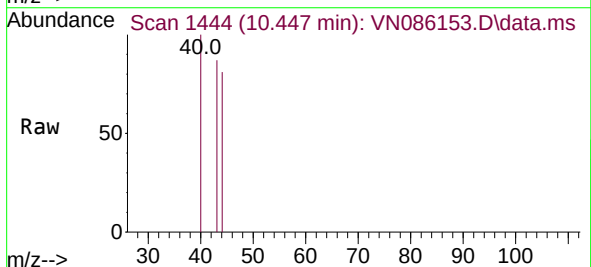
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-02

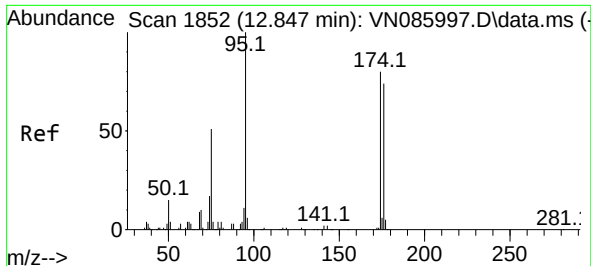
Tgt Ion: 98 Resp: 390022
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.240 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

Tgt Ion: 43 Resp: 580
Ion Ratio Lower Upper
43 100
58 0.0 37.4 56.0#

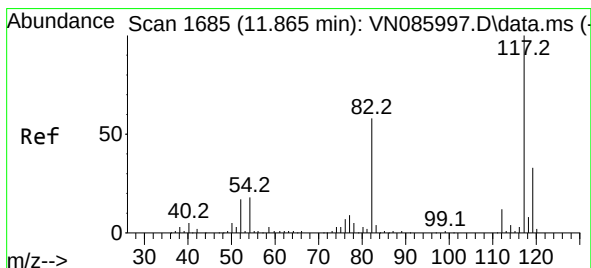
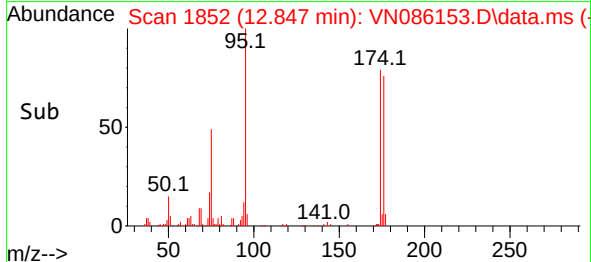
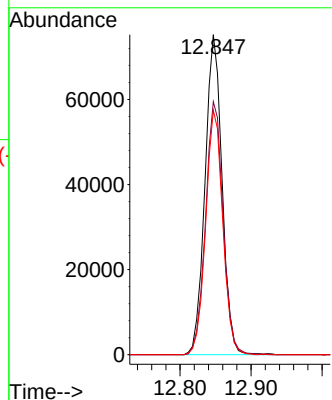
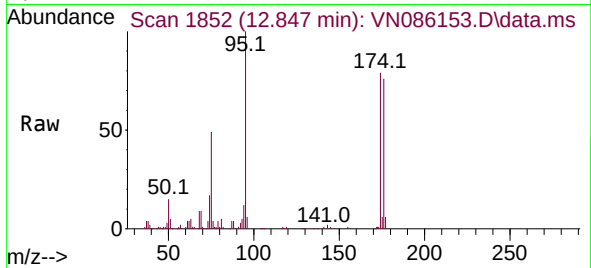




#62
4-Bromofluorobenzene
Concen: 42.591 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

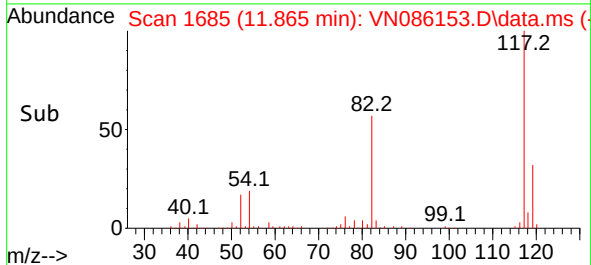
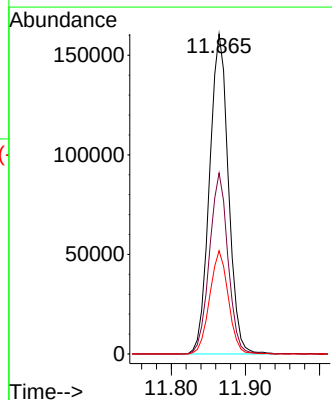
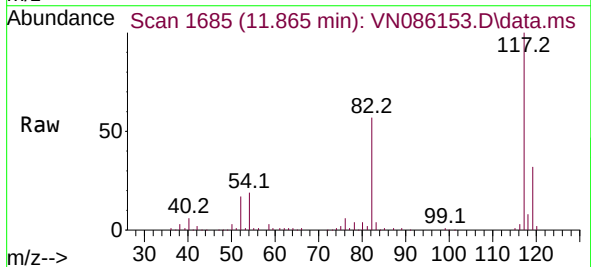
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-02

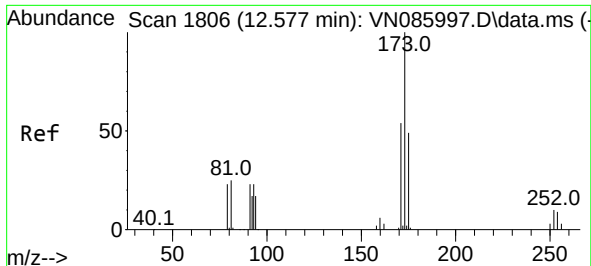
Tgt Ion: 95 Resp: 125537
Ion Ratio Lower Upper
95 100
174 81.6 0.0 156.8
176 76.6 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

Tgt Ion: 117 Resp: 284406
Ion Ratio Lower Upper
117 100
82 56.5 46.7 70.1
119 32.3 26.5 39.7

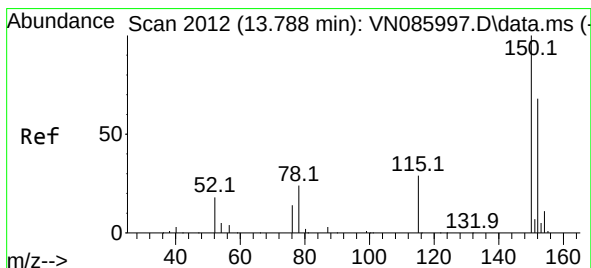
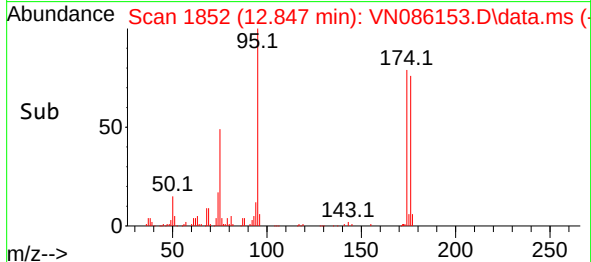
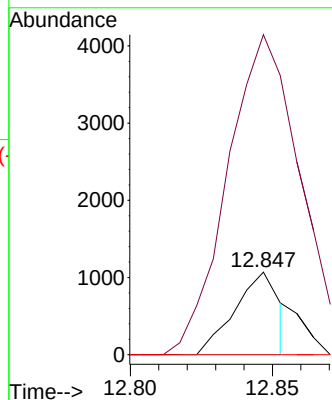
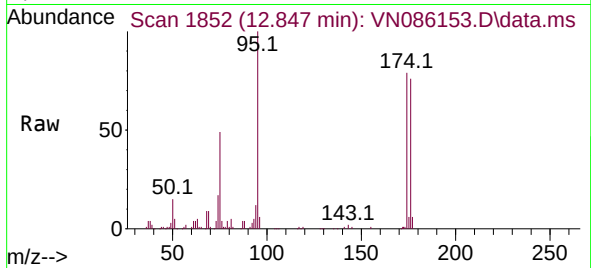




#71
Bromoform
Concen: 0.576 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

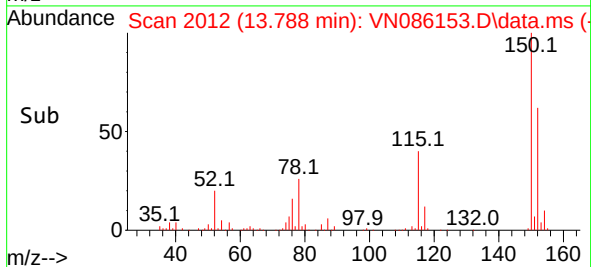
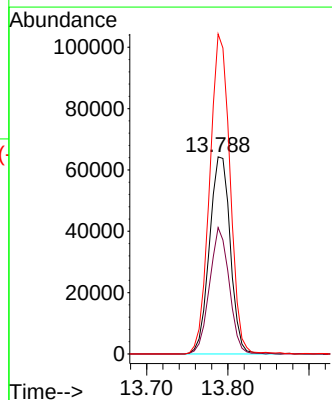
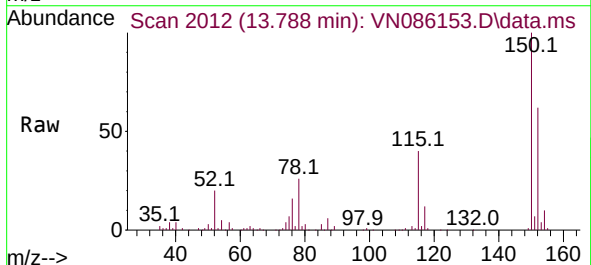
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-02

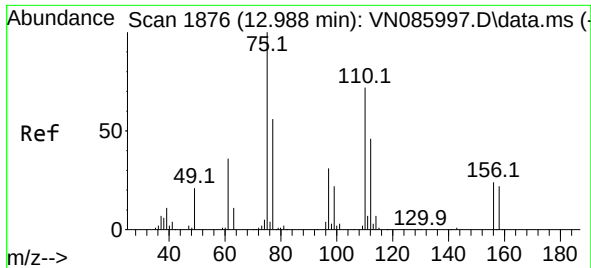
Tgt Ion:173 Resp: 1164
Ion Ratio Lower Upper
173 100
175 483.1 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

Tgt Ion:152 Resp: 114450
Ion Ratio Lower Upper
152 100
115 60.4 31.1 93.2
150 158.4 0.0 359.6

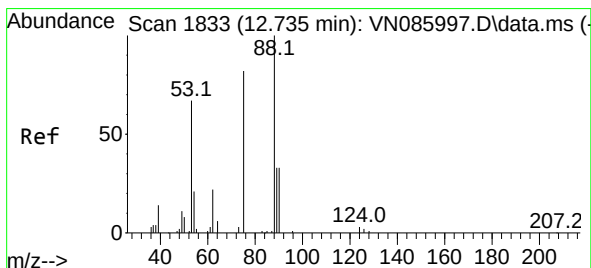
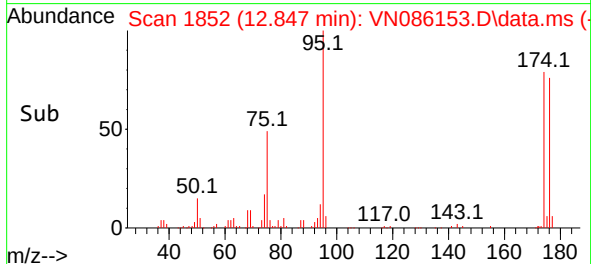
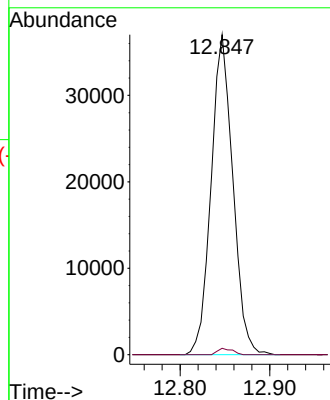
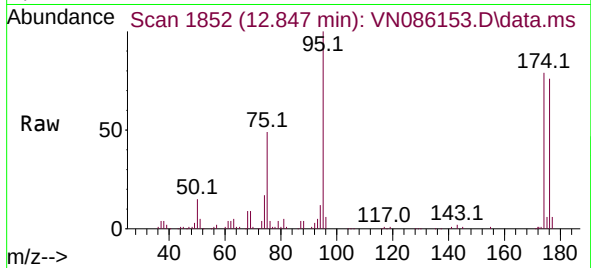




#76
1,2,3-Trichloropropane
Concen: 24.314 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-02

Tgt Ion: 75 Resp: 62301
Ion Ratio Lower Upper
75 100
77 1.4 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.283 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086153.D
Acq: 28 Mar 2025 16:18

Tgt Ion: 75 Resp: 62301
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#

