

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085563.D
 Acq On : 29 Jan 2025 17:29
 Operator : JC\MD
 Sample : Q1209-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

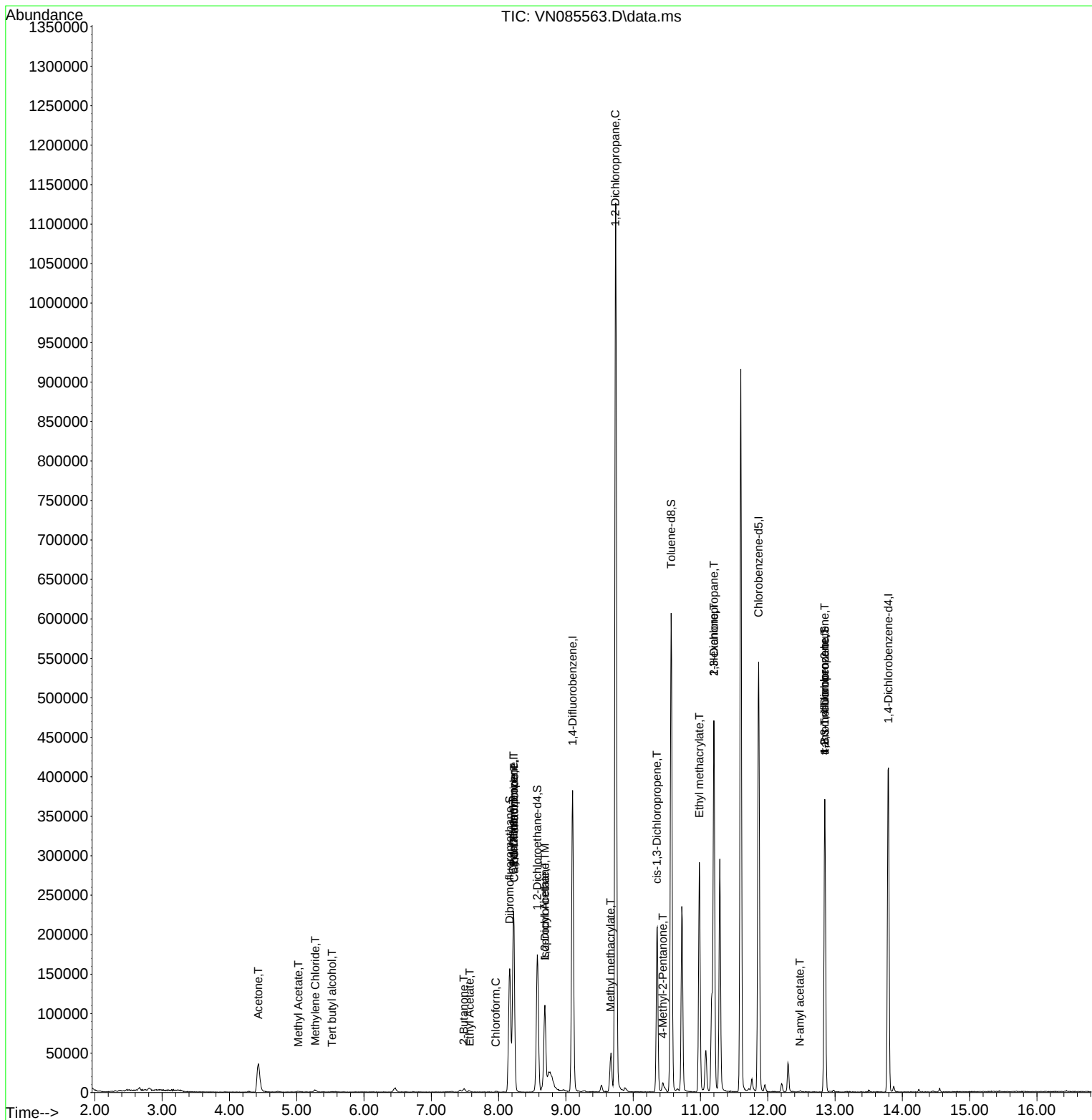
Quant Time: Jan 30 00:39:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

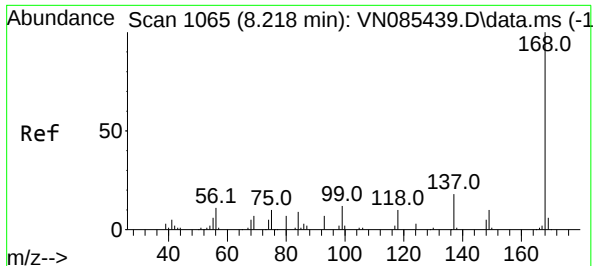
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	155621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	305354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	295600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144995	57.720	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.440%			
35) Dibromofluoromethane	8.165	113	110267	52.052	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.100%			
50) Toluene-d8	10.565	98	402711	53.505	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.000%			
62) 4-Bromofluorobenzene	12.847	95	119375	46.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.720%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	536	1.863	ug/l #	71
16) Acetone	4.430	43	71270	87.807	ug/l	97
18) Methyl Acetate	5.024	43	1180	0.478	ug/l	91
20) Methylene Chloride	5.277	84	1716	0.854	ug/l #	91
25) 2-Butanone	7.483	43	6779	5.675	ug/l	96
30) Chloroform	7.959	83	1214	0.320	ug/l #	71
31) Cyclohexane	8.218	56	4162	1.306	ug/l #	27
36) 1,1-Dichloropropene	8.224	75	15174	5.104	ug/l #	49
37) Ethyl Acetate	7.571	43	3225	1.075	ug/l #	79
38) Carbon Tetrachloride	8.230	117	17643	5.183	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	752	0.224	ug/l #	76
43) Isopropyl Acetate	8.688	43	124677	25.928	ug/l #	87
45) 1,2-Dichloropropane	9.735	63	1468	0.643	ug/l #	43
48) Methyl methacrylate	9.665	41	3376	1.560	ug/l #	44
51) 4-Methyl-2-Pentanone	10.441	43	12529	4.490	ug/l #	73
54) cis-1,3-Dichloropropene	10.353	75	34095	10.069	ug/l #	73
56) Ethyl methacrylate	10.982	69	1817	2.437	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4692	1.317	ug/l #	43
59) 2-Hexanone	11.200	43	59304	30.205	ug/l #	58
74) N-amyl acetate	12.476	43	1457	0.439	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	66664	29.954	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66664	81.043	ug/l #	3

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

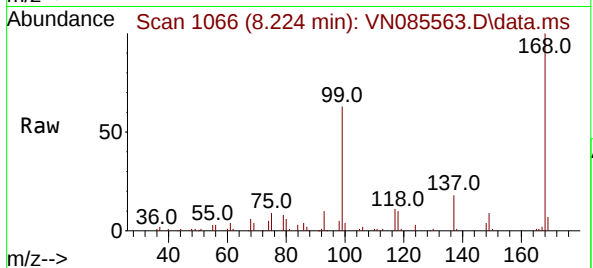
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



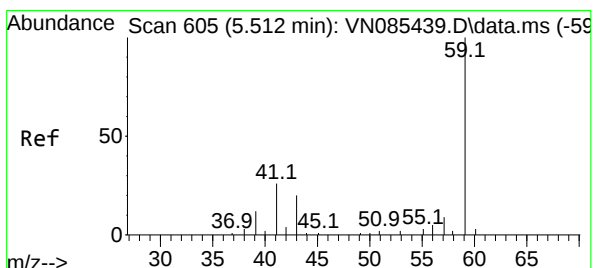
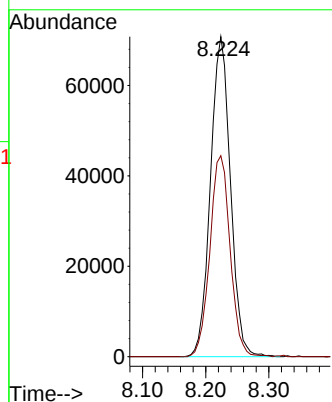
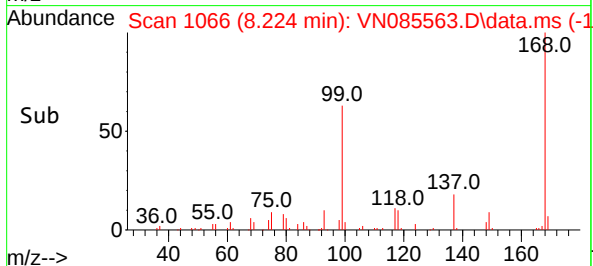


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :

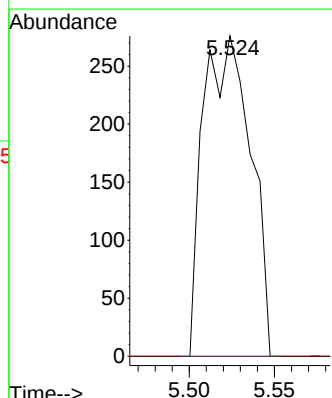
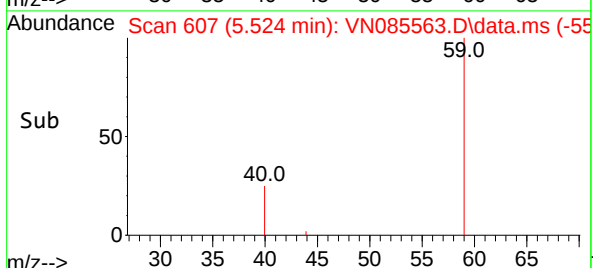
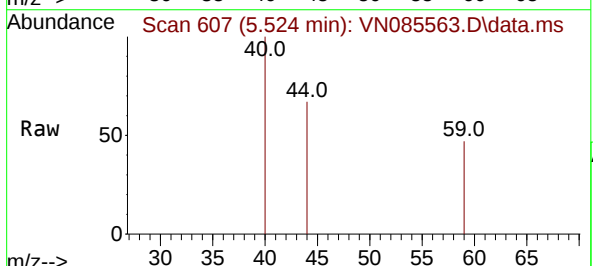


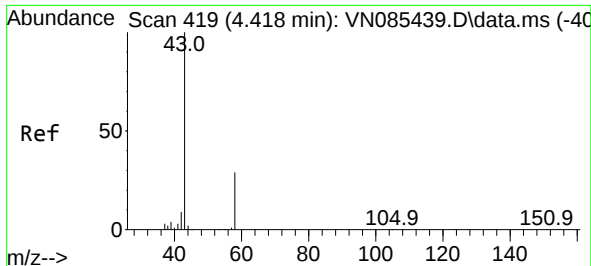
Tgt Ion:168 Resp: 155621
Ion Ratio Lower Upper
168 100
99 62.8 53.6 80.4



#11
Tert butyl alcohol
Concen: 1.863 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

Tgt Ion: 59 Resp: 536
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

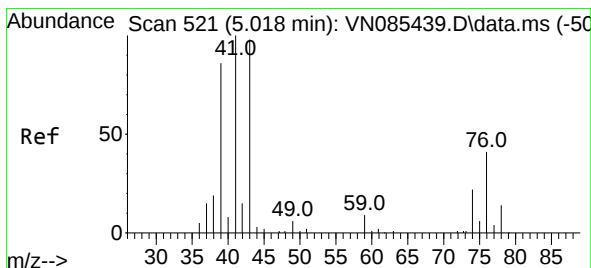
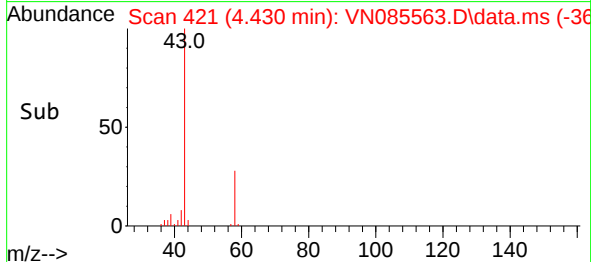
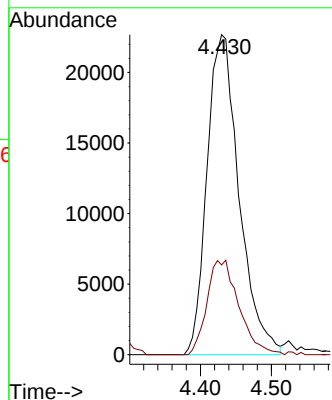
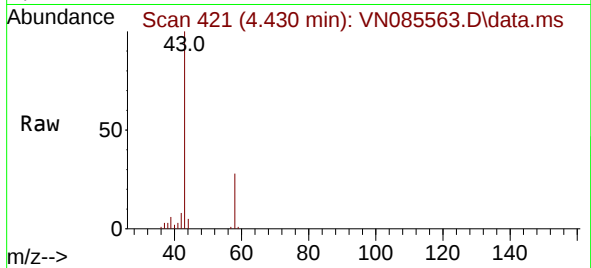




#16
Acetone
Concen: 87.807 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

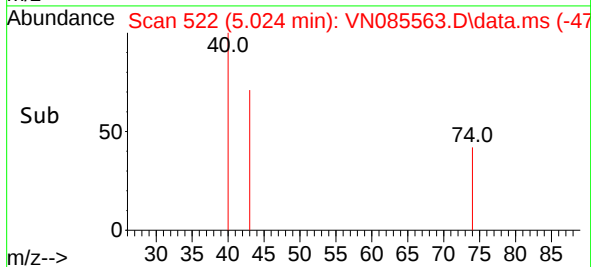
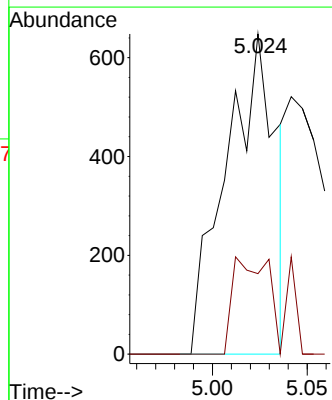
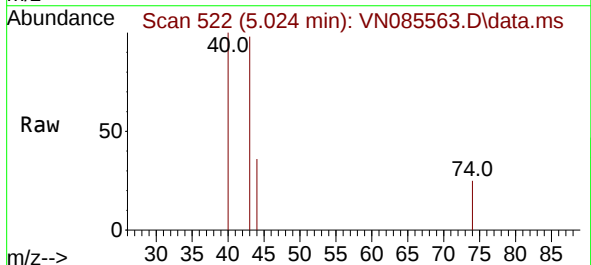
Instrument :
MSVOA_N
ClientSampleId :

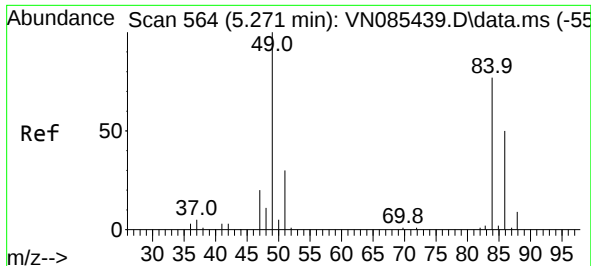
Tgt Ion: 43 Resp: 71270
Ion Ratio Lower Upper
43 100
58 28.1 23.8 35.6



#18
Methyl Acetate
Concen: 0.478 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

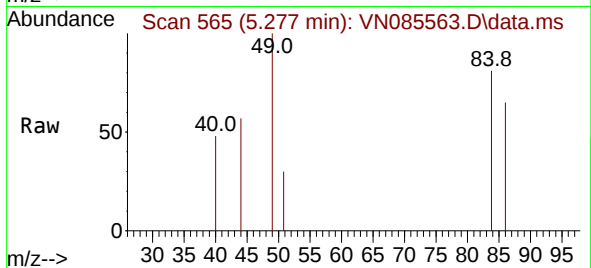
Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
74 27.5 18.6 28.0





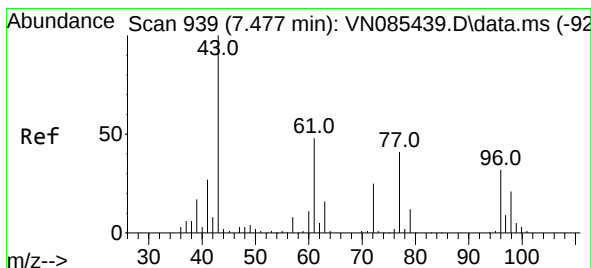
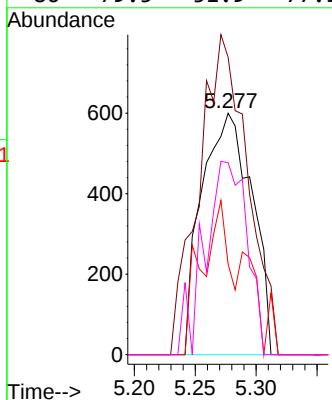
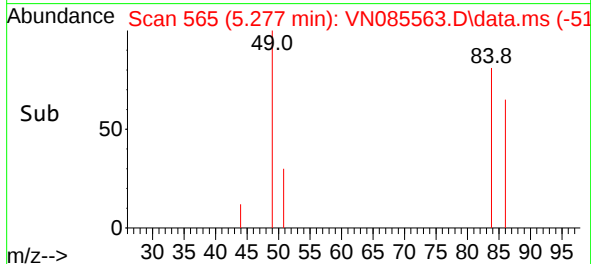
#20
Methylene Chloride
Concen: 0.854 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :

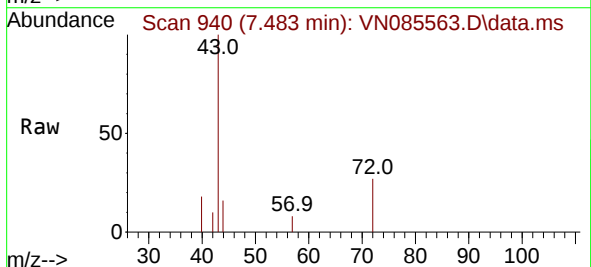


Tgt Ion: 84 Resp: 1716

Ion	Ratio	Lower	Upper
84	100		
49	123.2	104.1	156.1
51	37.5	31.0	46.4
86	79.5	51.9	77.9

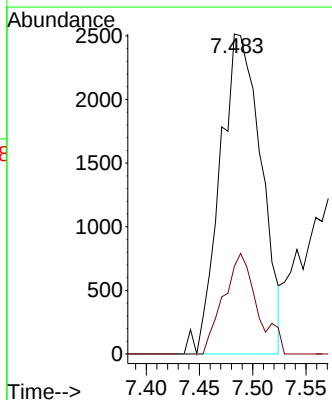
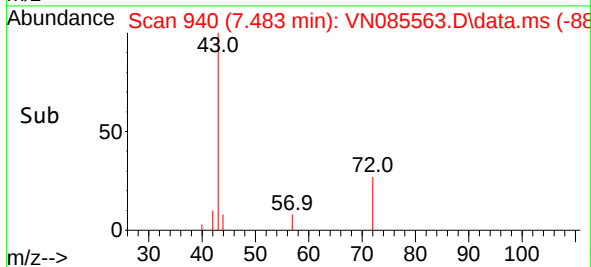


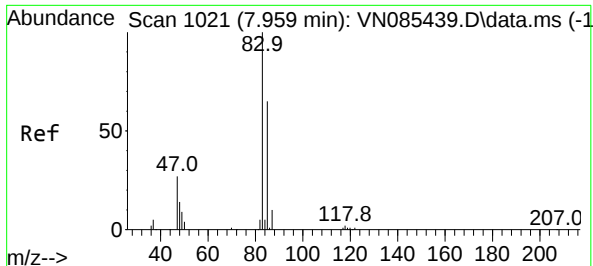
#25
2-Butanone
Concen: 5.675 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29



Tgt Ion: 43 Resp: 6779

Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.2	30.4





#30

Chloroform

Concen: 0.320 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN085563.D

Acq: 29 Jan 2025 17:29

Instrument :

MSVOA_N

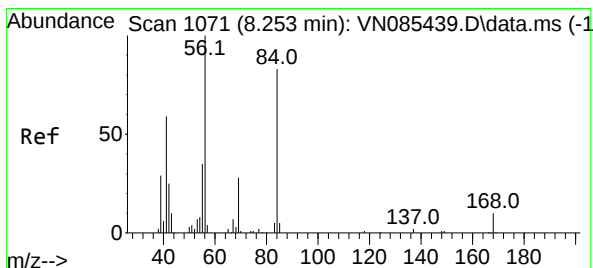
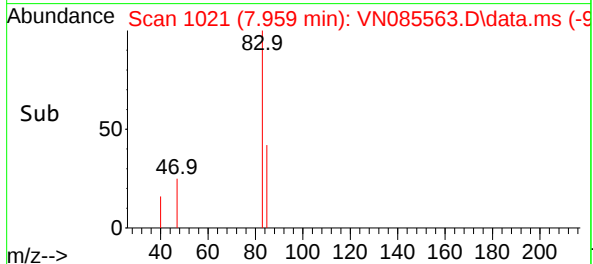
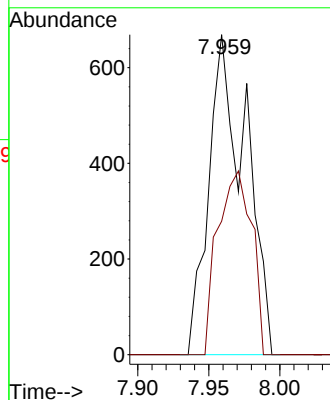
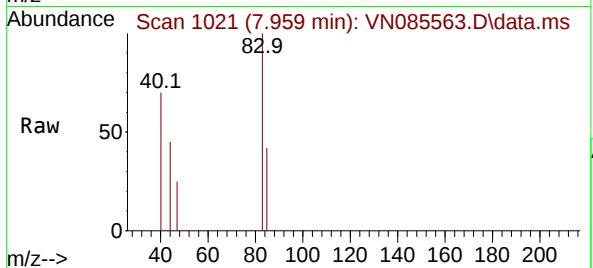
ClientSampleId :

Tgt Ion: 83 Resp: 1214

Ion Ratio Lower Upper

83 100

85 41.7 51.8 77.6#



#31

Cyclohexane

Concen: 1.306 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085563.D

Acq: 29 Jan 2025 17:29

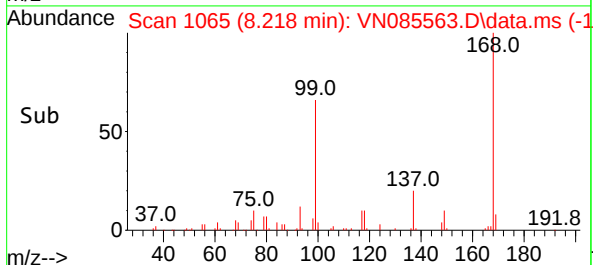
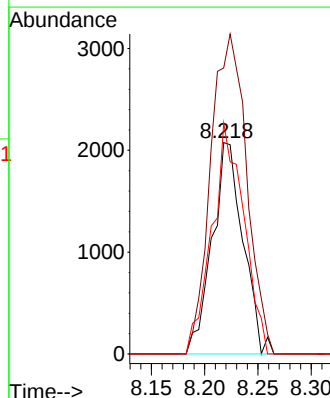
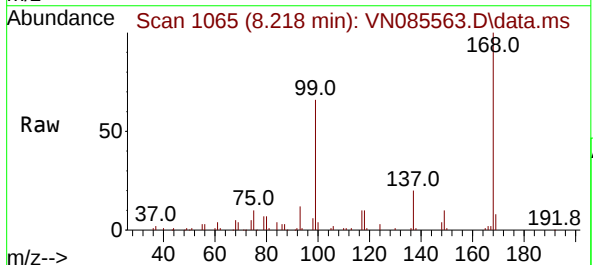
Tgt Ion: 56 Resp: 4162

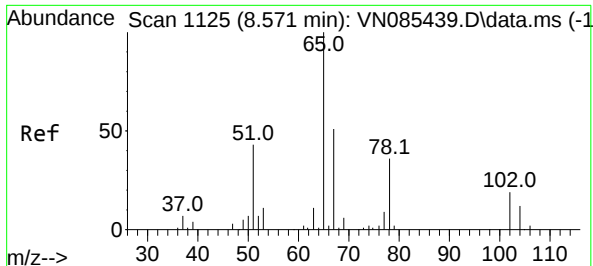
Ion Ratio Lower Upper

56 100

69 135.4 22.2 33.4#

84 109.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.720 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085563.D

Acq: 29 Jan 2025 17:29

Instrument :

MSVOA_N

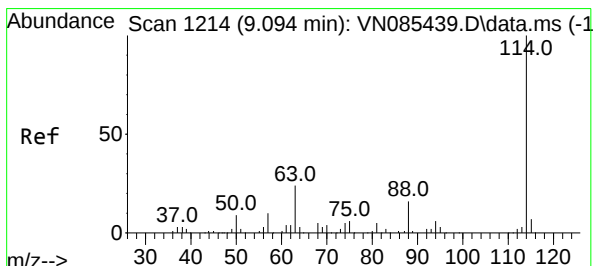
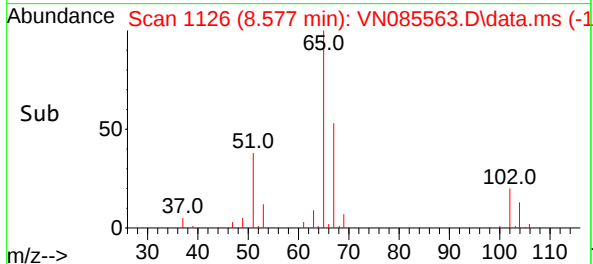
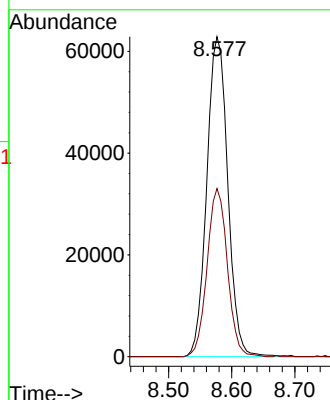
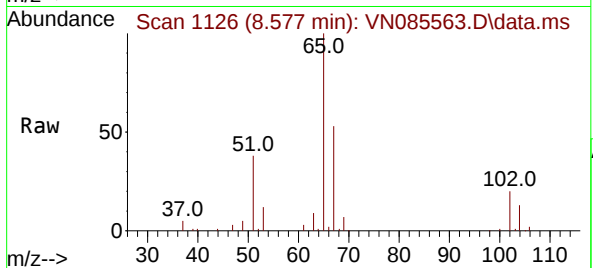
ClientSampleId :

Tgt Ion: 65 Resp: 144995

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085563.D

Acq: 29 Jan 2025 17:29

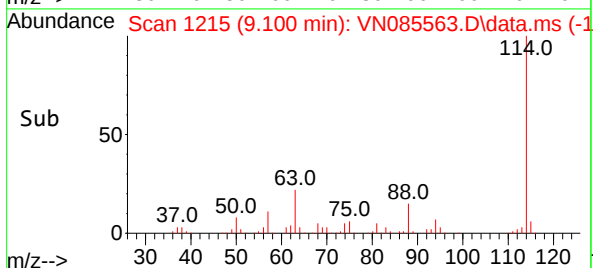
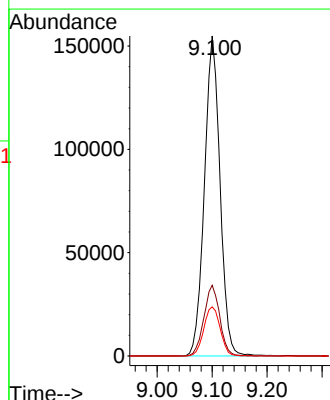
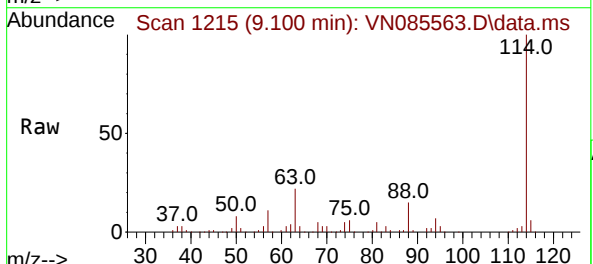
Tgt Ion: 114 Resp: 305354

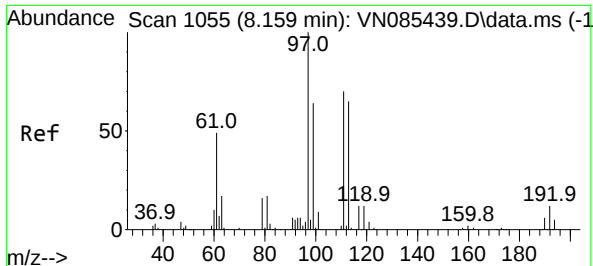
Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.6

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.052 ug/l

RT: 8.165 min Scan# 110267

Delta R.T. 0.006 min

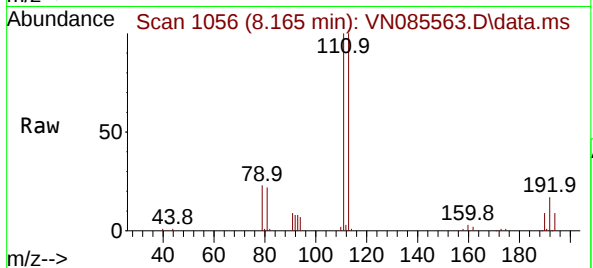
Lab File: VN085563.D

Acq: 29 Jan 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :



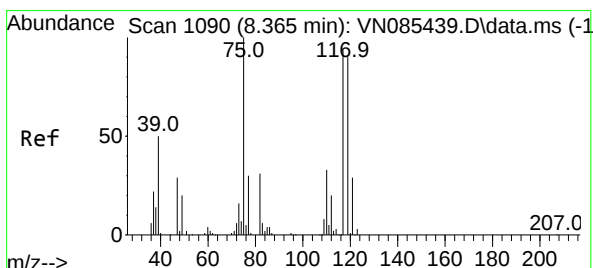
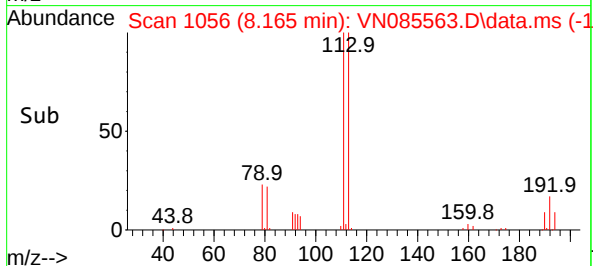
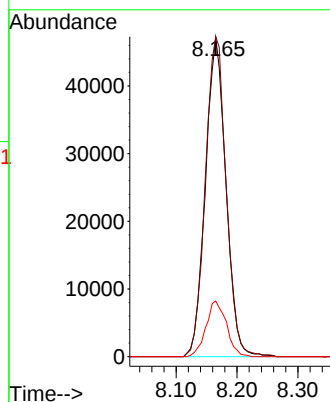
Tgt Ion:113 Resp: 110267

Ion Ratio Lower Upper

113 100

111 102.1 82.7 124.1

192 17.5 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.104 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085563.D

Acq: 29 Jan 2025 17:29

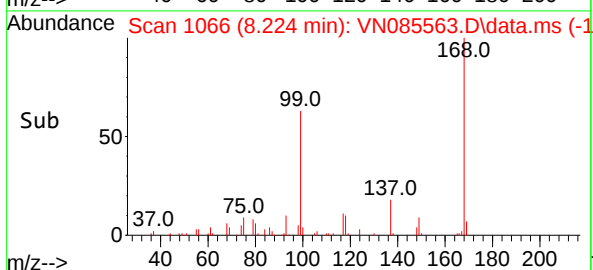
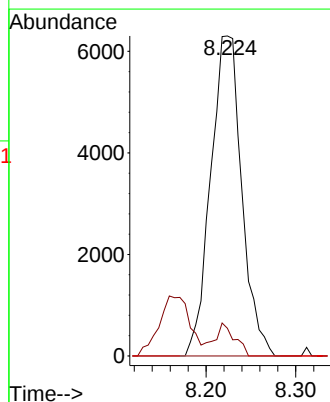
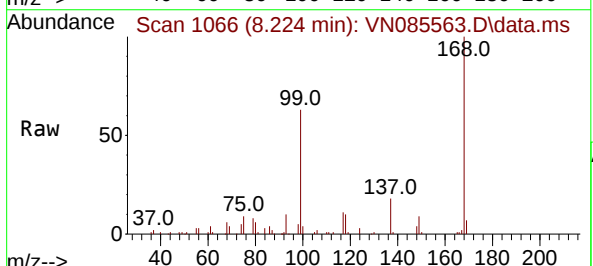
Tgt Ion: 75 Resp: 15174

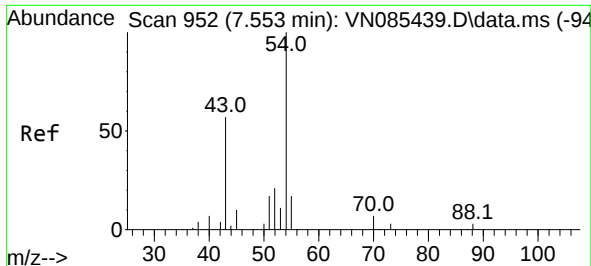
Ion Ratio Lower Upper

75 100

110 6.2 16.5 49.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.075 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.018 min

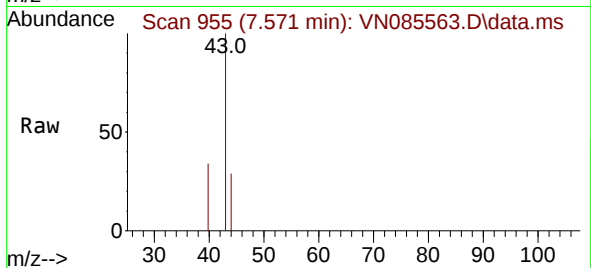
Lab File: VN085563.D

Acq: 29 Jan 2025 17:29

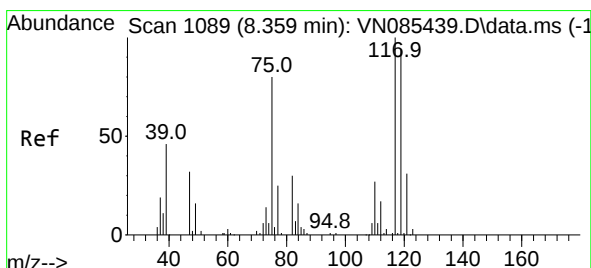
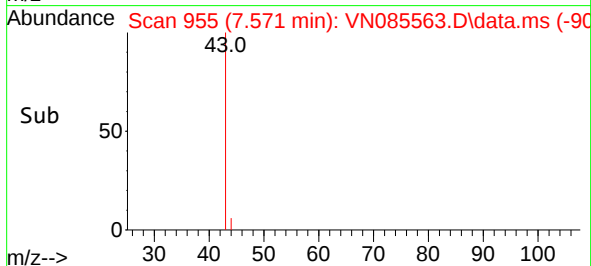
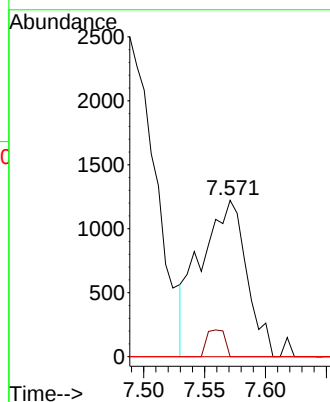
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp:	3225
Ion	Ratio	Lower Upper
43	100	
61	6.7	10.9 16.3#
70	0.0	7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.183 ug/l

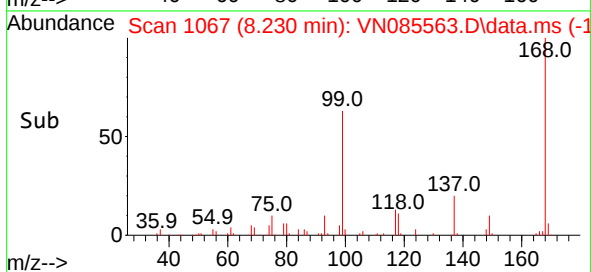
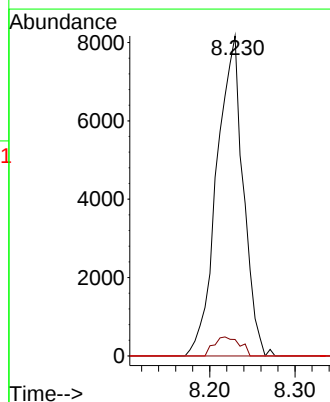
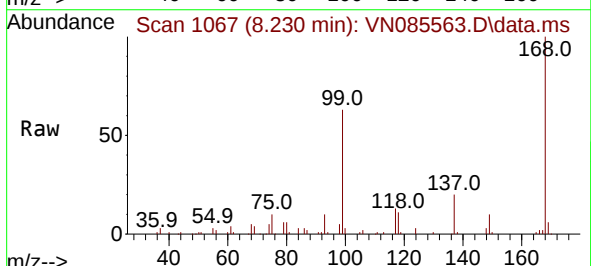
RT: 8.230 min Scan# 1067

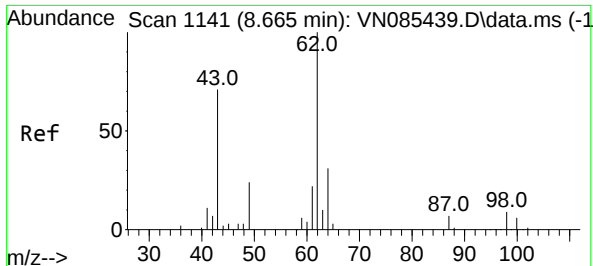
Delta R.T. -0.129 min

Lab File: VN085563.D

Acq: 29 Jan 2025 17:29

Tgt Ion: 117	Resp:	17643
Ion	Ratio	Lower Upper
117	100	
119	5.1	75.4 113.2#
121	0.0	24.6 37.0#

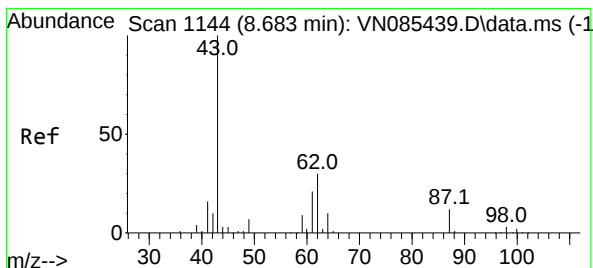
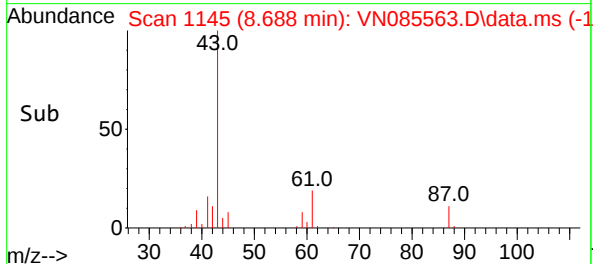
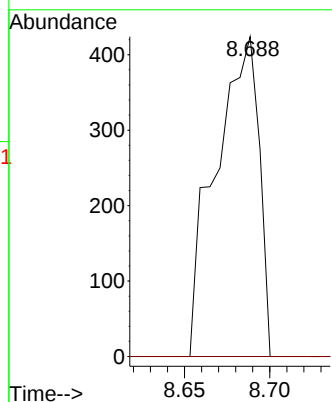
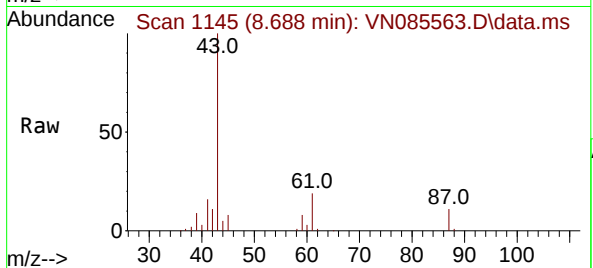




#42
1,2-Dichloroethane
Concen: 0.224 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.024 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

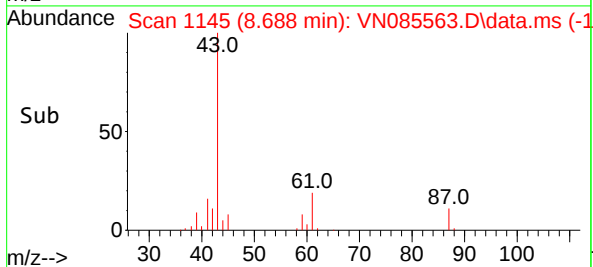
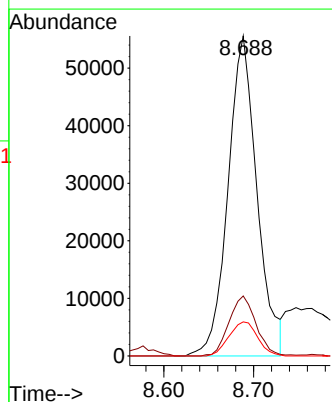
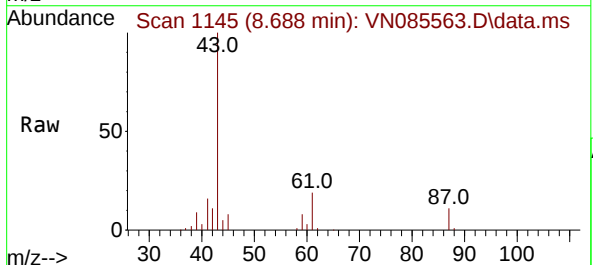
Instrument :
MSVOA_N
ClientSampleId :

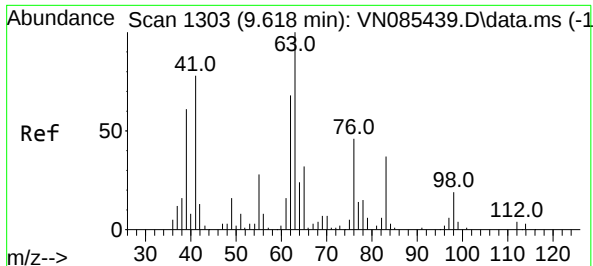
Tgt Ion: 62 Resp: 752
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0



#43
Isopropyl Acetate
Concen: 25.928 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

Tgt Ion: 43 Resp: 124677
Ion Ratio Lower Upper
43 100
61 17.5 20.7 31.1#
87 10.5 9.8 14.8





#45

1,2-Dichloropropane

Concen: 0.643 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085563.D

Acq: 29 Jan 2025 17:29

Instrument :

MSVOA_N

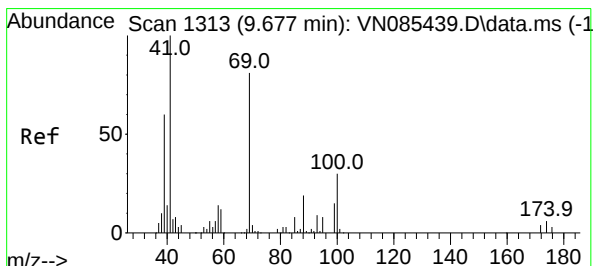
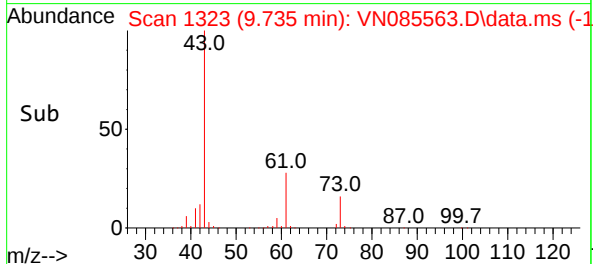
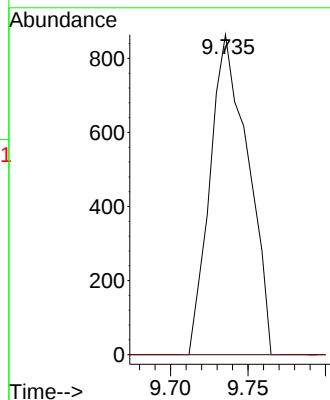
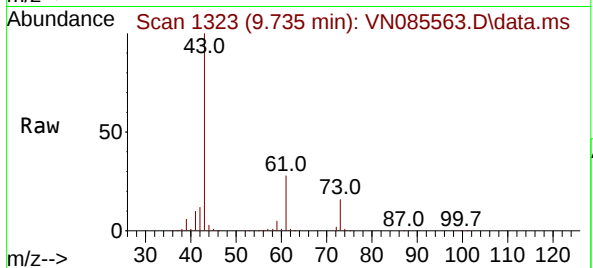
ClientSampleId :

Tgt Ion: 63 Resp: 1468

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 1.560 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085563.D

Acq: 29 Jan 2025 17:29

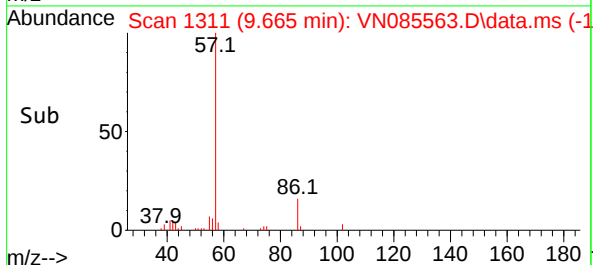
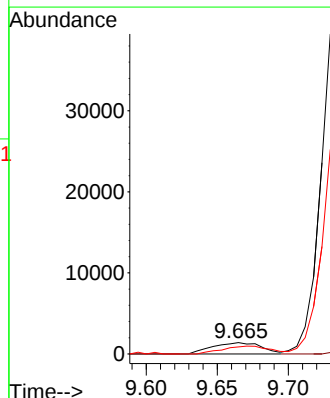
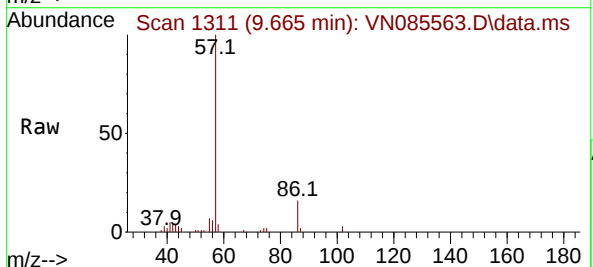
Tgt Ion: 41 Resp: 3376

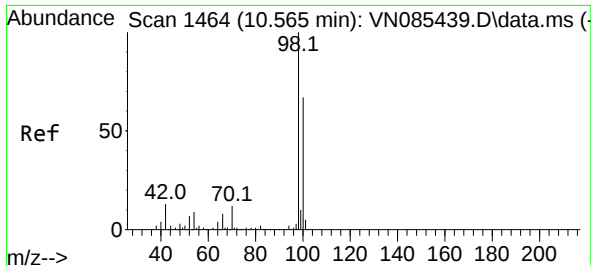
Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 68.2 49.0 73.6

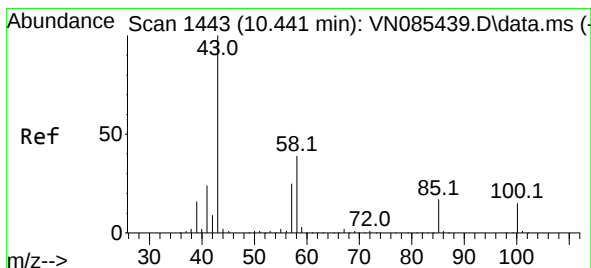
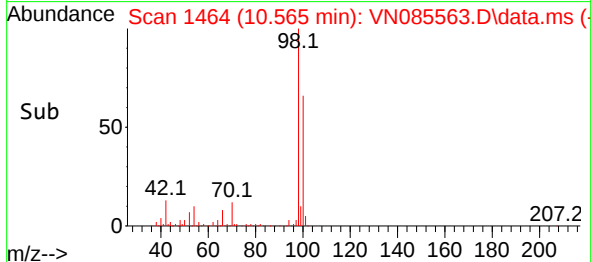
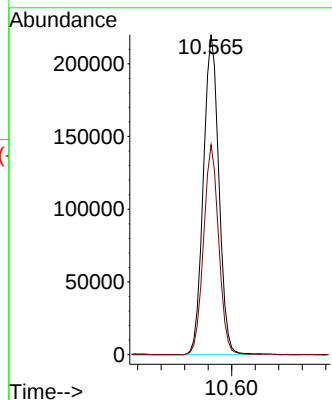
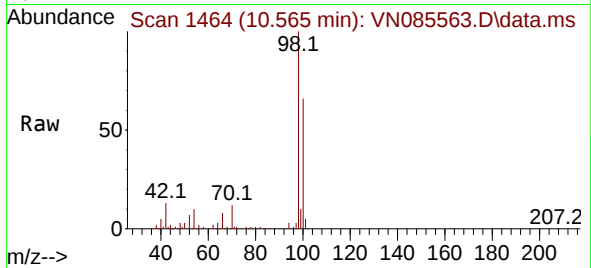




#50
Toluene-d8
Concen: 53.505 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

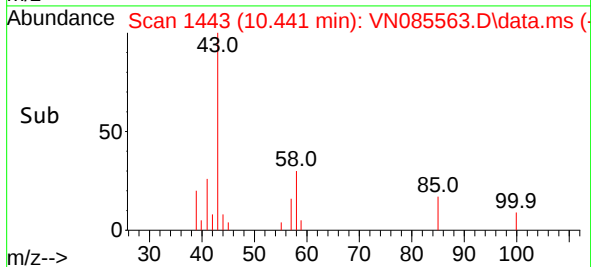
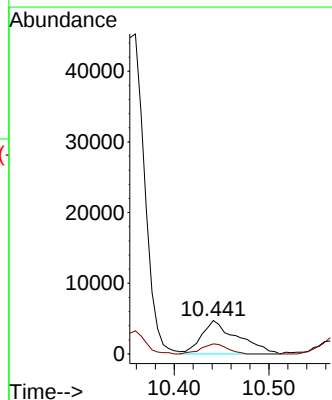
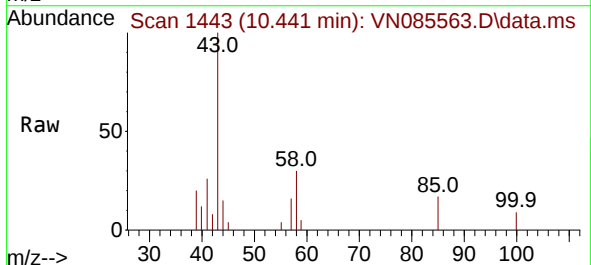
Instrument :
MSVOA_N
ClientSampleId :

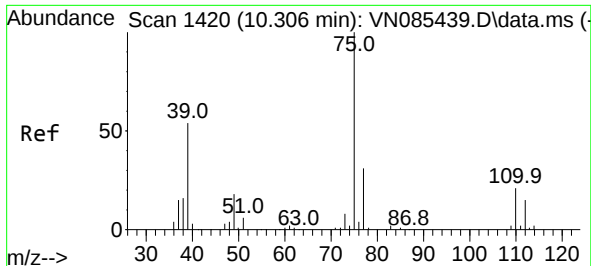
Tgt Ion: 98 Resp: 402711
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.490 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

Tgt Ion: 43 Resp: 12529
Ion Ratio Lower Upper
43 100
58 21.7 30.5 45.7#

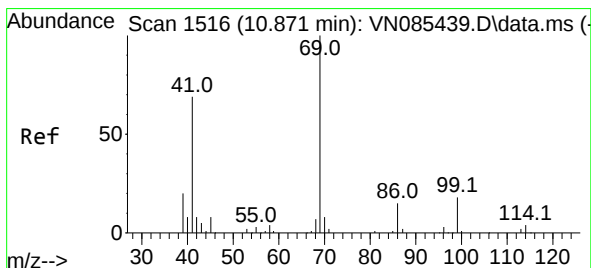
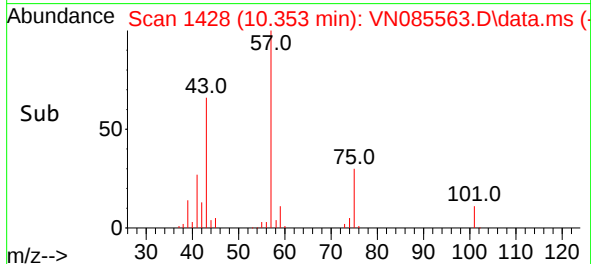
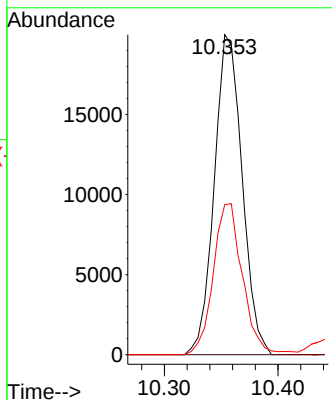
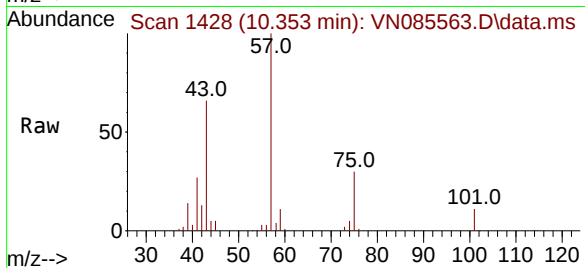




#54
cis-1,3-Dichloropropene
Concen: 10.069 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

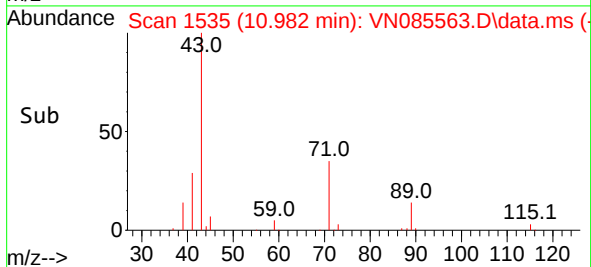
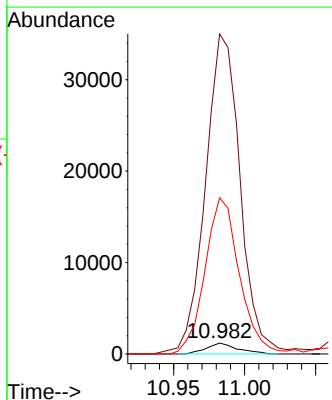
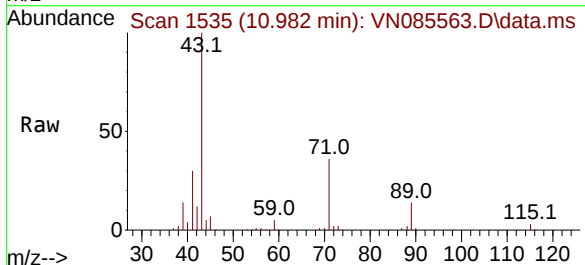
Instrument :
MSVOA_N
ClientSampleId :

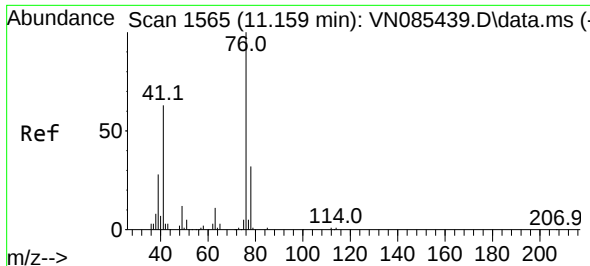
Tgt Ion: 75 Resp: 34095
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 46.9 43.1 64.7



#56
Ethyl methacrylate
Concen: 2.437 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

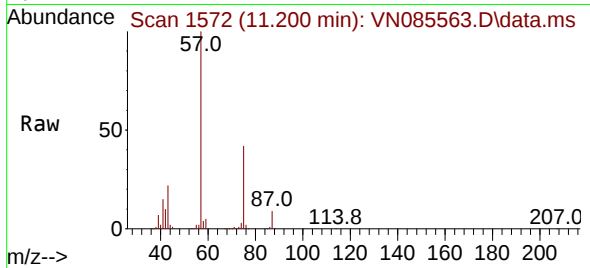
Tgt Ion: 69 Resp: 1817
Ion Ratio Lower Upper
69 100
41 3303.6 54.6 82.0#
39 1584.4 32.4 48.6#



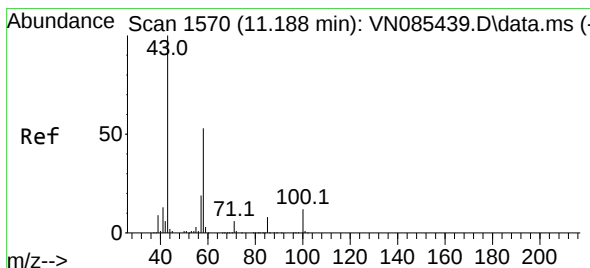
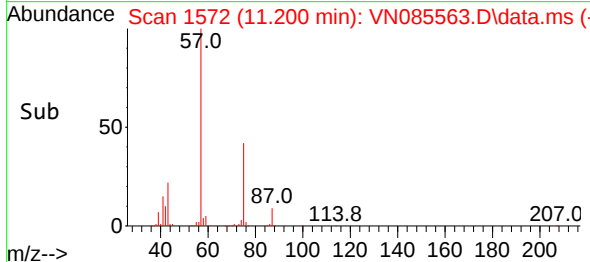
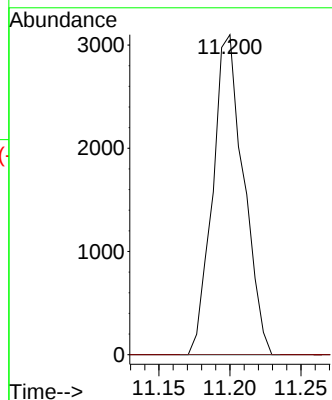


#57
1,3-Dichloropropane
Concen: 1.317 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :

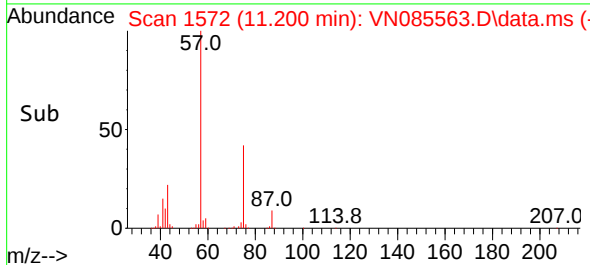
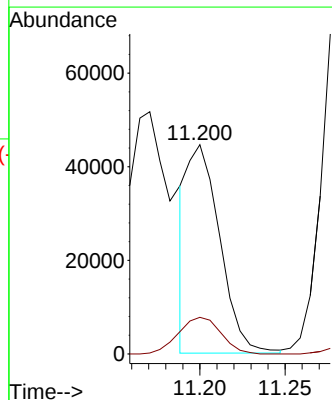
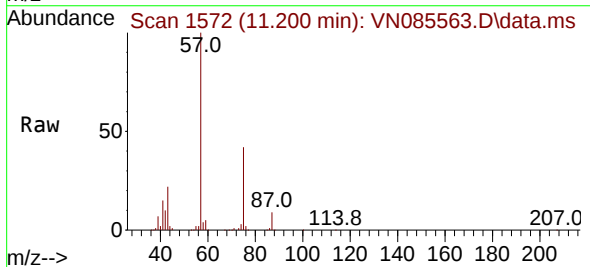


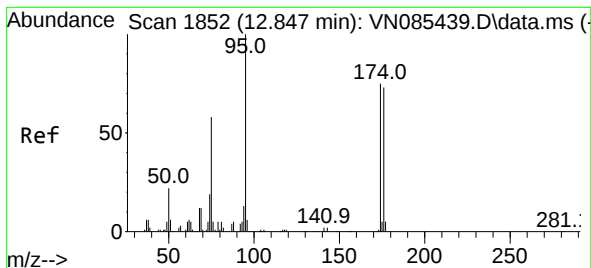
Tgt Ion: 76 Resp: 4692
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 30.205 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.012 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

Tgt Ion: 43 Resp: 59304
Ion Ratio Lower Upper
43 100
58 23.0 26.2 78.6#

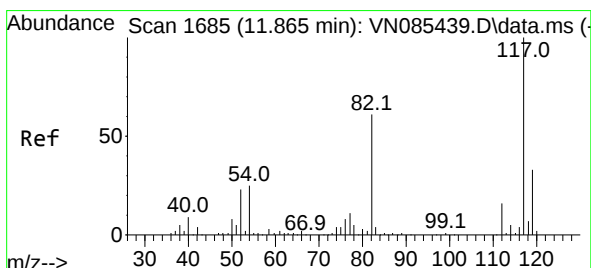
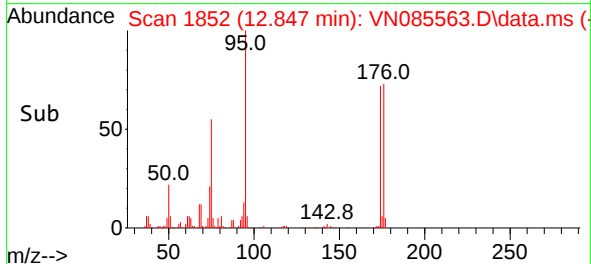
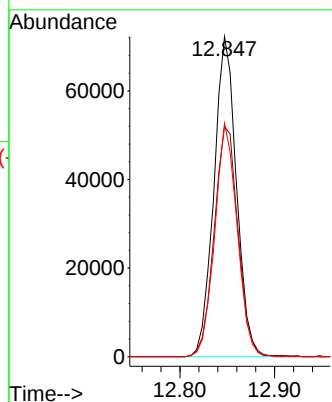
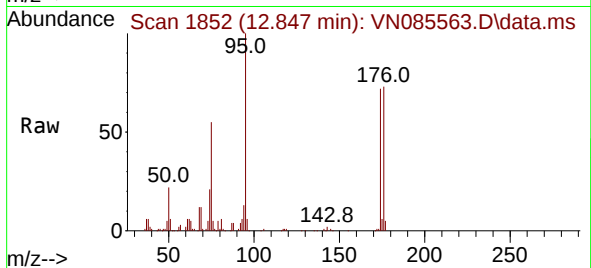




#62
4-Bromofluorobenzene
Concen: 46.365 ug/l
RT: 12.847 min Scan# 119375
Delta R.T. 0.000 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

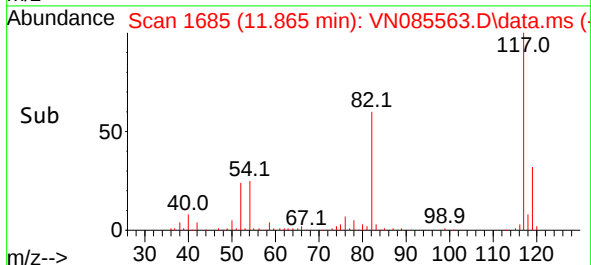
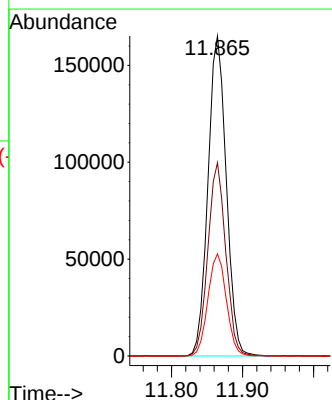
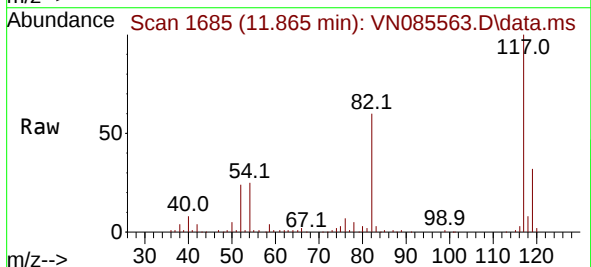
Instrument :
MSVOA_N
ClientSampleId :

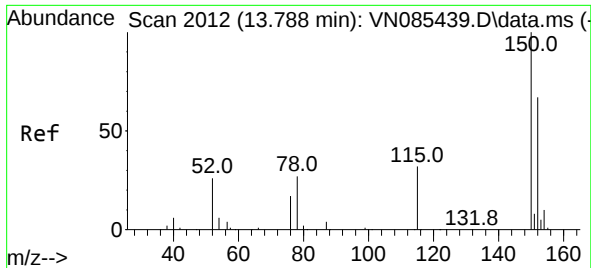
Tgt Ion: 95 Resp: 119375
Ion Ratio Lower Upper
95 100
174 76.1 0.0 145.0
176 72.6 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

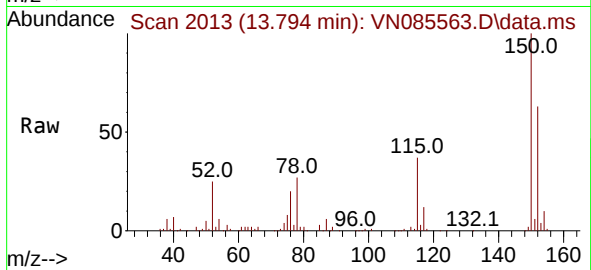
Tgt Ion: 117 Resp: 295600
Ion Ratio Lower Upper
117 100
82 60.4 48.6 72.8
119 31.9 26.6 39.8



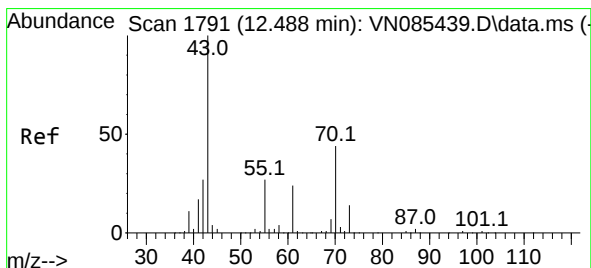
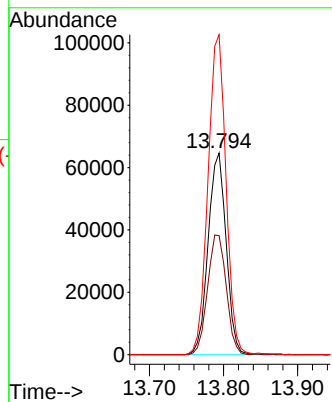
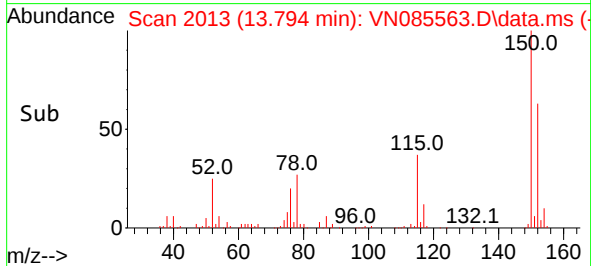


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN085563.D
 Acq: 29 Jan 2025 17:29

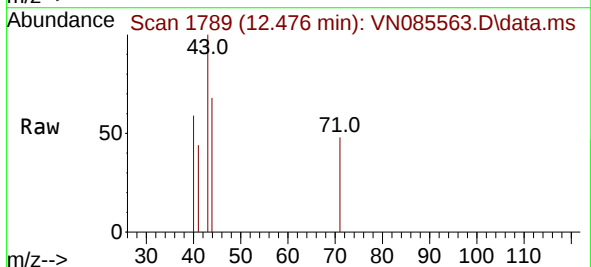
Instrument :
 MSVOA_N
 ClientSampleId :



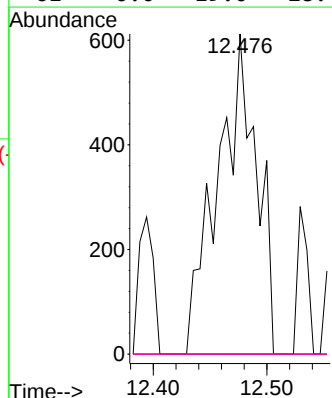
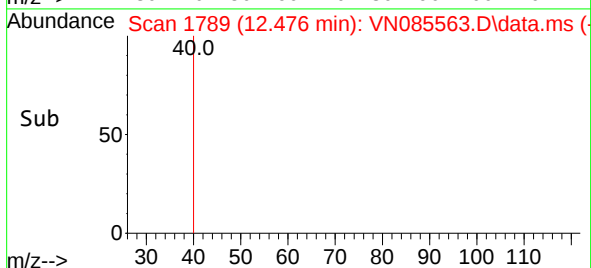
Tgt Ion:152 Resp: 109496
 Ion Ratio Lower Upper
 152 100
 115 61.4 31.1 93.3
 150 158.5 0.0 343.6

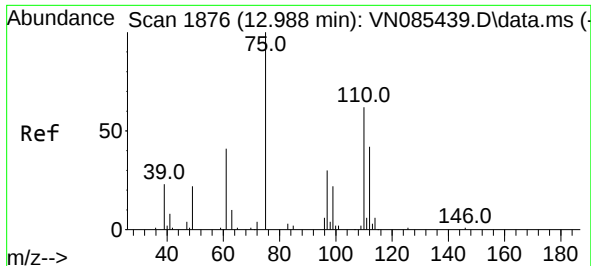


#74
 N-ethyl acetate
 Concen: 0.439 ug/l
 RT: 12.476 min Scan# 1789
 Delta R.T. -0.012 min
 Lab File: VN085563.D
 Acq: 29 Jan 2025 17:29



Tgt Ion: 43 Resp: 1457
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.0 51.0#
 55 0.0 21.4 32.2#
 61 0.0 19.0 28.4#

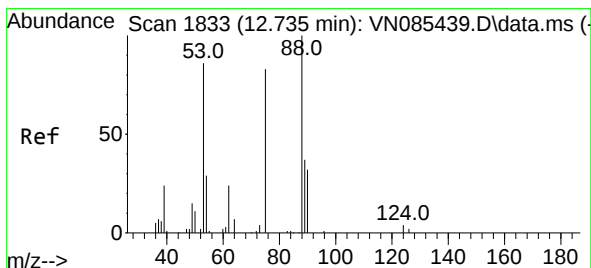
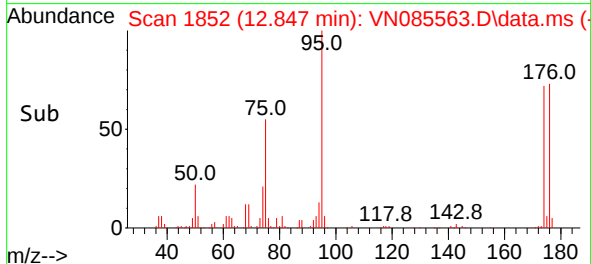
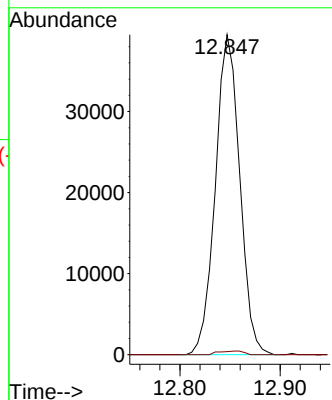
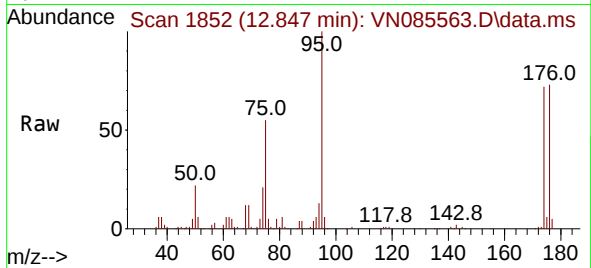




#76
1,2,3-Trichloropropane
Concen: 29.954 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 66664
Ion Ratio Lower Upper
75 100
77 1.2 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.043 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085563.D
Acq: 29 Jan 2025 17:29

Tgt Ion: 75 Resp: 66664
Ion Ratio Lower Upper
75 100
53 0.2 95.6 143.4#
89 0.0 37.0 55.6#

