

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021425\
 Data File : VN085769.D
 Acq On : 14 Feb 2025 14:18
 Operator : JC\MD
 Sample : PB166701ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 14 22:38:06 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)

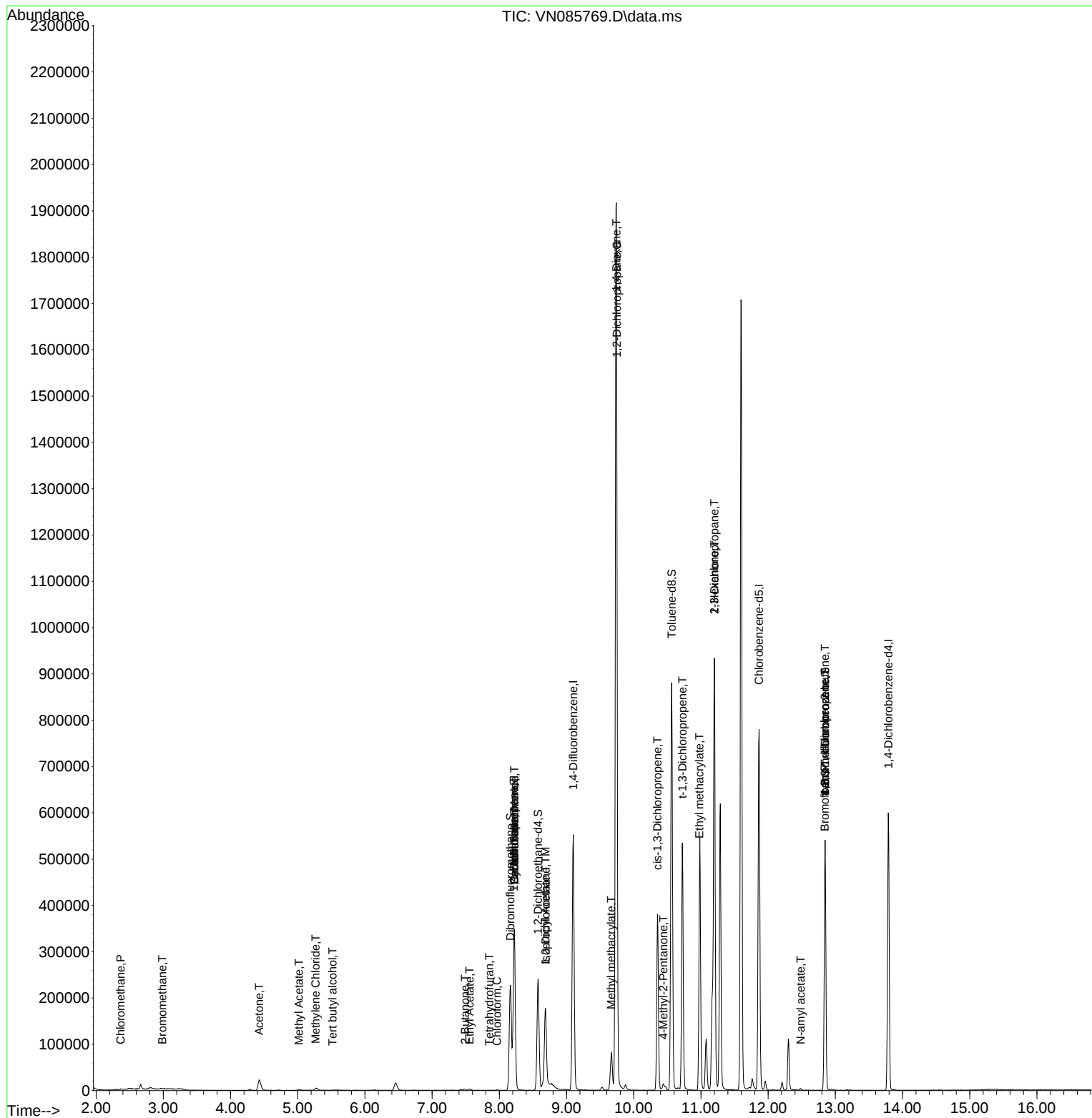
Internal Standards						
1) Pentafluorobenzene	8.224	168	245828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	475235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	456510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	164170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	193409	48.740	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.480%		
35) Dibromofluoromethane	8.165	113	166406	50.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.940%		
50) Toluene-d8	10.565	98	621535	53.059	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.120%		
62) 4-Bromofluorobenzene	12.847	95	186965	46.659	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.320%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	778	0.216	ug/l	93
5) Bromomethane	2.983	94	695	0.318	ug/l #	63
11) Tert butyl alcohol	5.518	59	388	0.854	ug/l #	71
16) Acetone	4.424	43	43670	34.060	ug/l #	86
18) Methyl Acetate	5.018	43	2707	0.694	ug/l #	80
20) Methylene Chloride	5.265	84	3905	1.230	ug/l #	63
25) 2-Butanone	7.489	43	4413	2.339	ug/l #	64
29) Tetrahydrofuran	7.853	42	242	0.202	ug/l #	34
30) Chloroform	7.965	83	1279	0.214	ug/l	98
31) Cyclohexane	8.224	56	5879	1.167	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	20457	4.421	ug/l #	50
37) Ethyl Acetate	7.559	43	4759	1.019	ug/l #	95
38) Carbon Tetrachloride	8.224	117	26454	4.994	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1467	0.280	ug/l #	76
43) Isopropyl Acetate	8.688	43	206286	27.564	ug/l #	90
45) 1,2-Dichloropropane	9.747	63	2365	0.666	ug/l #	43
48) Methyl methacrylate	9.665	41	5281	1.568	ug/l #	16
49) 1,4-Dioxane	9.741	88	79	1.393	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	14872	3.425	ug/l #	74
53) t-1,3-Dichloropropene	10.724	75	1359	0.275	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	66442	12.608	ug/l #	62
56) Ethyl methacrylate	10.977	69	3269	2.516	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	10225	1.845	ug/l #	43
59) 2-Hexanone	11.200	43	103127	33.749	ug/l #	62
71) Bromoform	12.841	173	1003	0.382	ug/l #	1
74) N-amyl acetate	12.482	43	1742	0.350	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	94464	28.310	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	94464	76.594	ug/l #	3

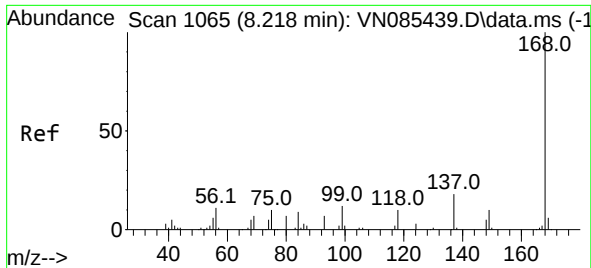
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021425\
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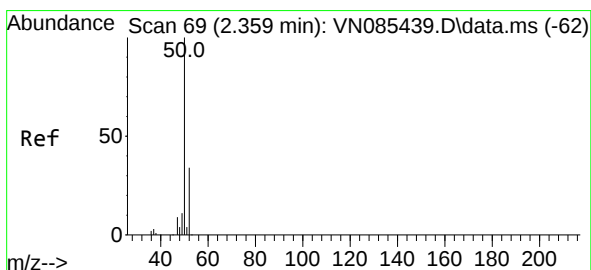
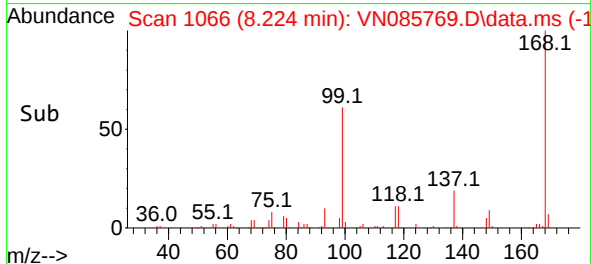
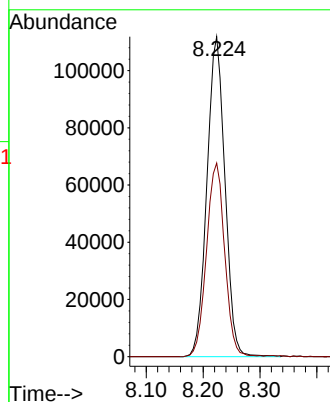
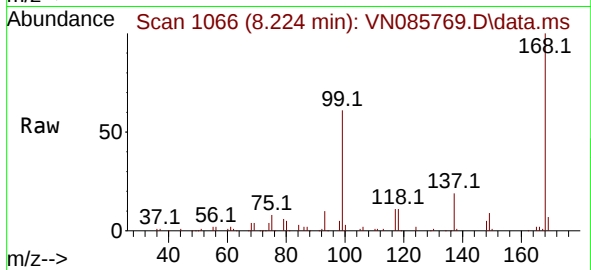




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

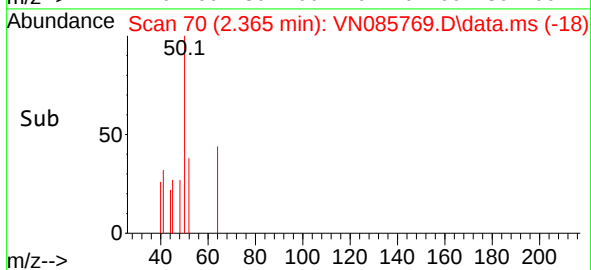
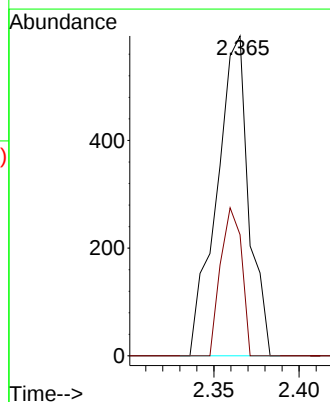
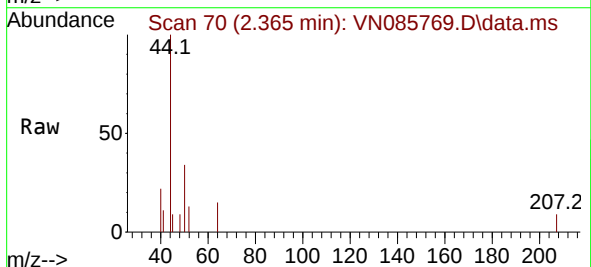
Instrument :
MSVOA_N
ClientSampleId :

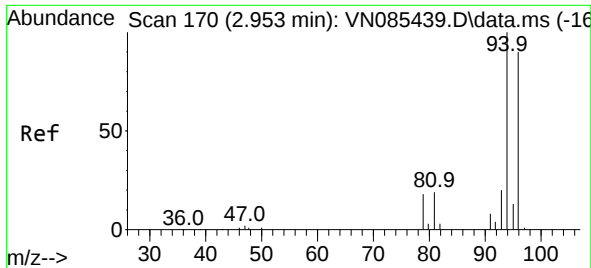
Tgt Ion:168 Resp: 245828
Ion Ratio Lower Upper
168 100
99 60.5 53.6 80.4



#3
Chloromethane
Concen: 0.216 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

Tgt Ion: 50 Resp: 778
Ion Ratio Lower Upper
50 100
52 37.9 27.0 40.6

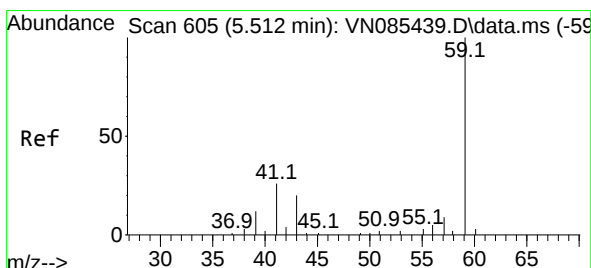
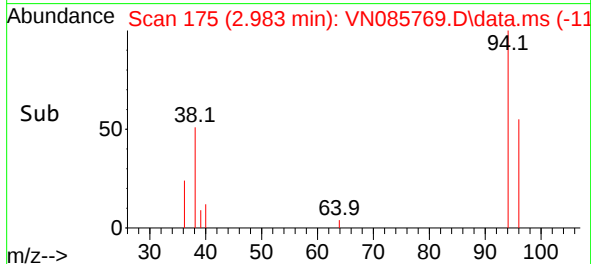
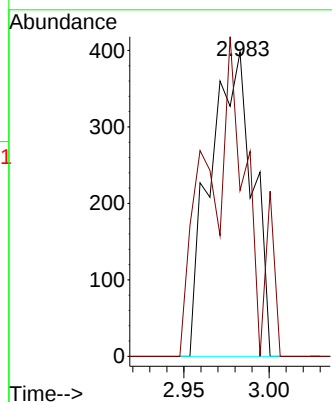
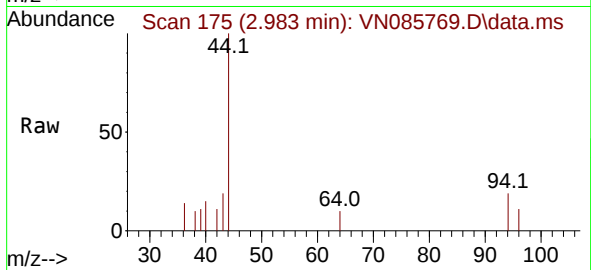




#5
Bromomethane
Concen: 0.318 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

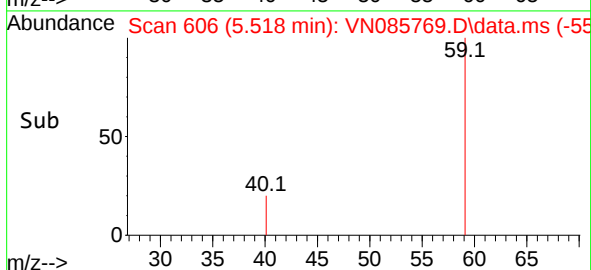
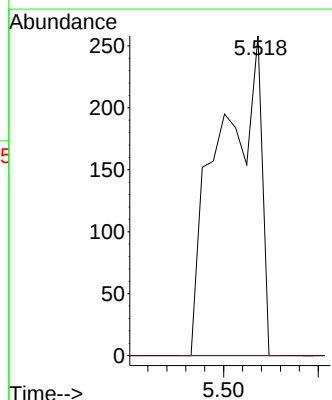
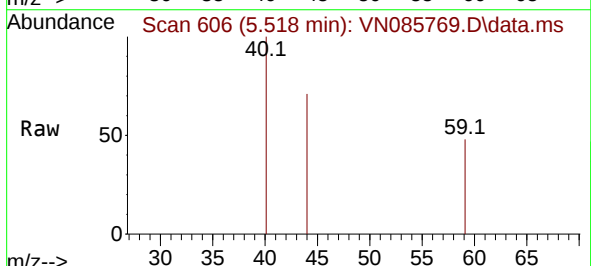
Instrument :
MSVOA_N
ClientSampleId :

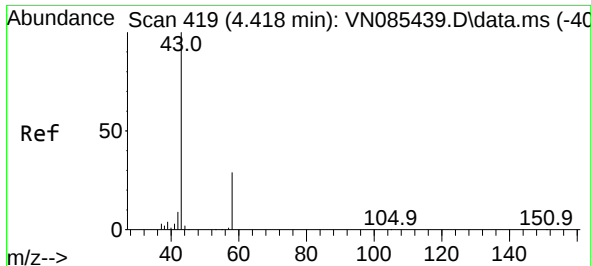
Tgt Ion: 94 Resp: 695
Ion Ratio Lower Upper
94 100
96 54.5 71.8 107.6#



#11
Tert butyl alcohol
Concen: 0.854 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

Tgt Ion: 59 Resp: 388
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#16

Acetone

Concen: 34.060 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN085769.D

Acq: 14 Feb 2025 14:18

Instrument :

MSVOA_N

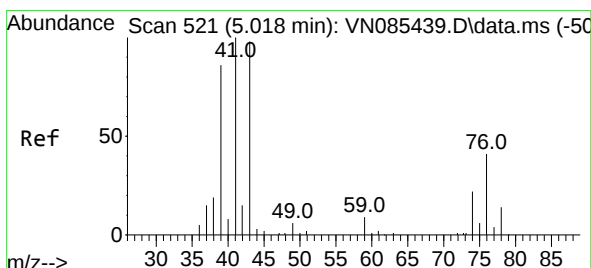
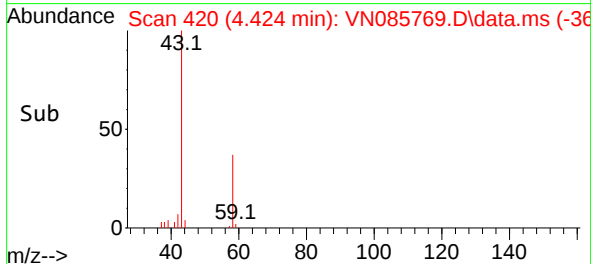
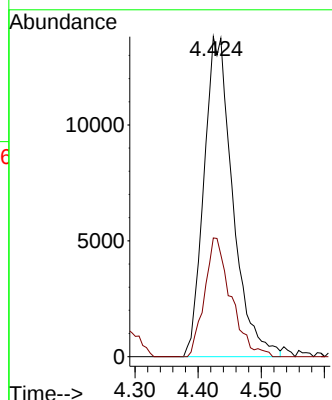
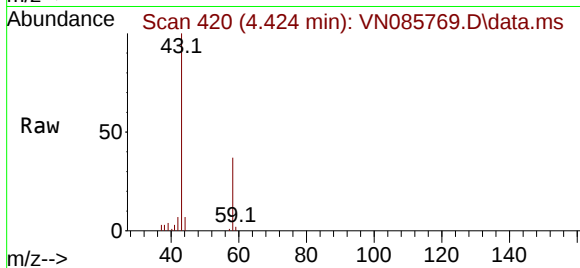
ClientSampleId :

Tgt Ion: 43 Resp: 43670

Ion Ratio Lower Upper

43 100

58 37.1 23.8 35.6#



#18

Methyl Acetate

Concen: 0.694 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085769.D

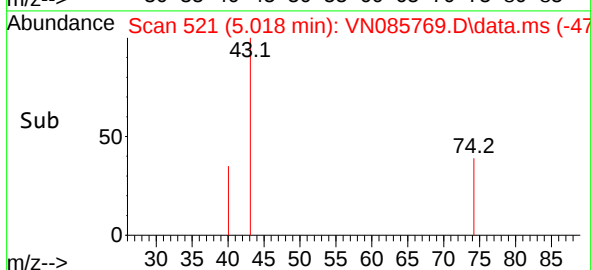
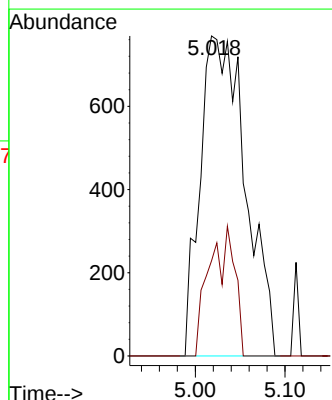
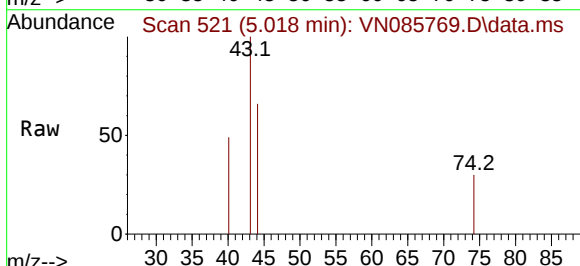
Acq: 14 Feb 2025 14:18

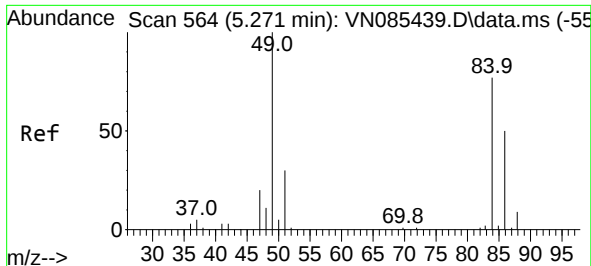
Tgt Ion: 43 Resp: 2707

Ion Ratio Lower Upper

43 100

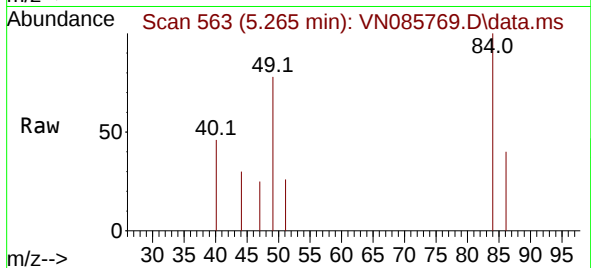
74 13.3 18.6 28.0#



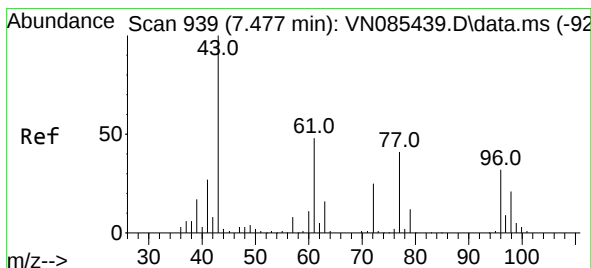
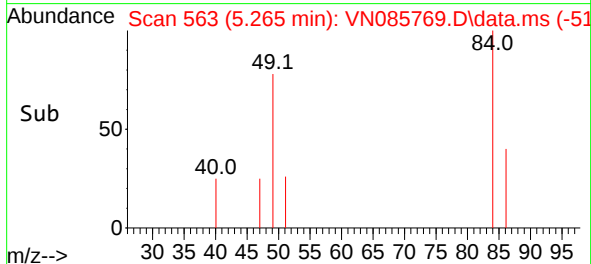
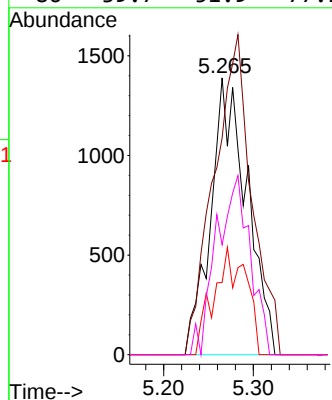


#20
Methylene Chloride
Concen: 1.230 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :

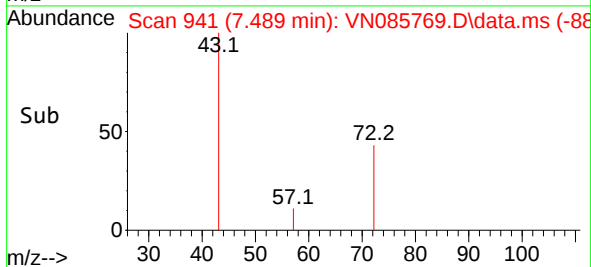
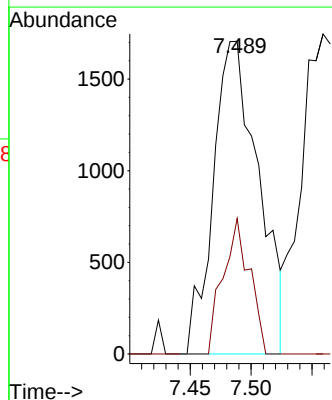
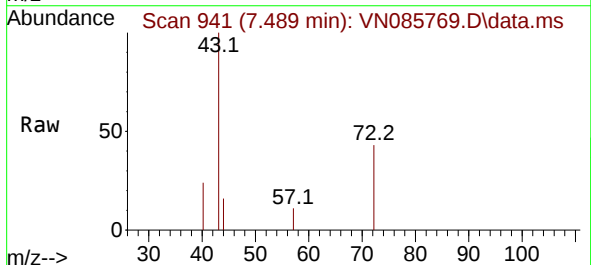


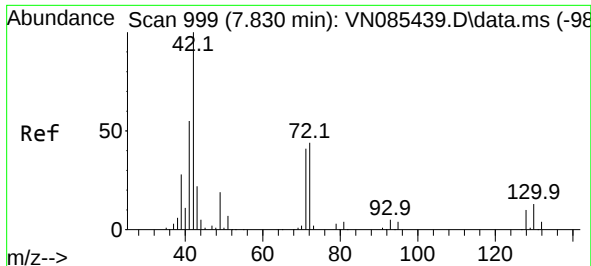
Tgt Ion: 84 Resp: 3905
Ion Ratio Lower Upper
84 100
49 78.3 104.1 156.1#
51 26.1 31.0 46.4#
86 39.7 51.9 77.9#



#25
2-Butanone
Concen: 2.339 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

Tgt Ion: 43 Resp: 4413
Ion Ratio Lower Upper
43 100
72 43.4 20.2 30.4#





#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.024 min

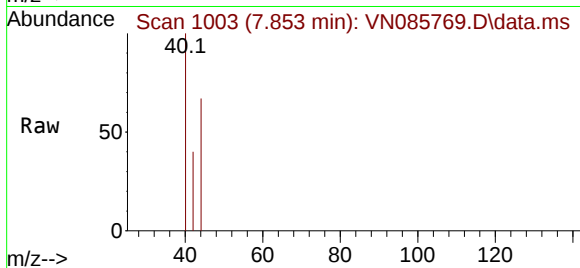
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Acq: 14 Feb 2025 14:18

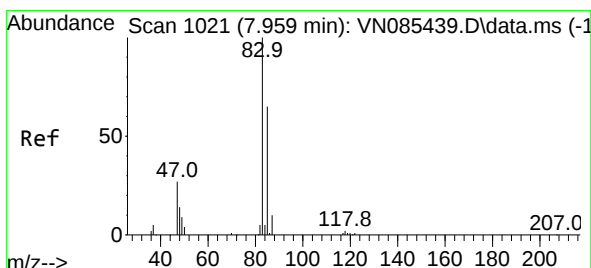
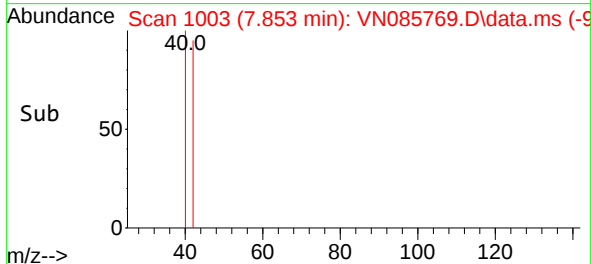
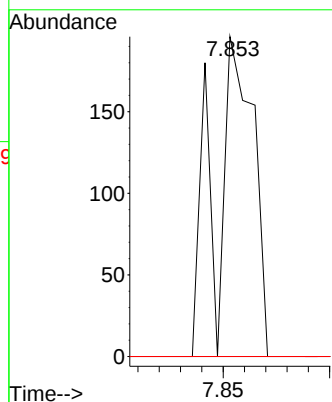
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	242
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	32.5	48.7#



#30

Chloroform

Concen: 0.214 ug/l

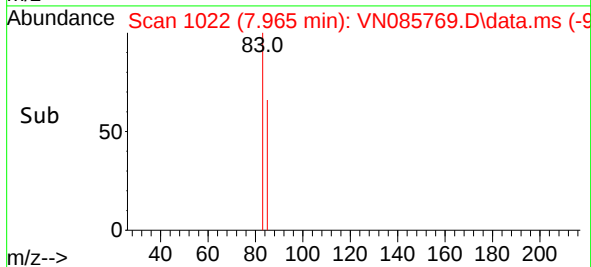
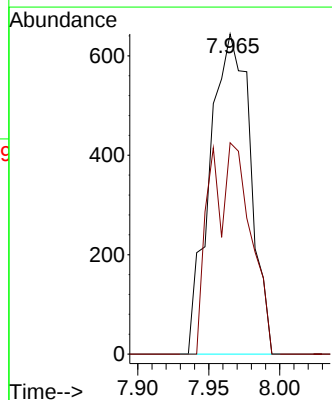
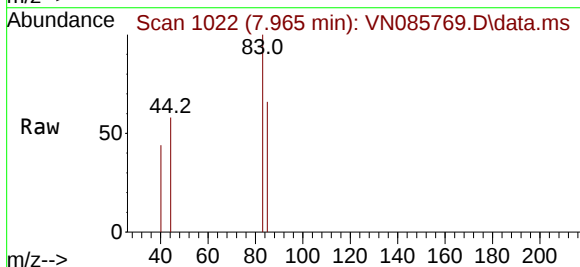
RT: 7.965 min Scan# 1022

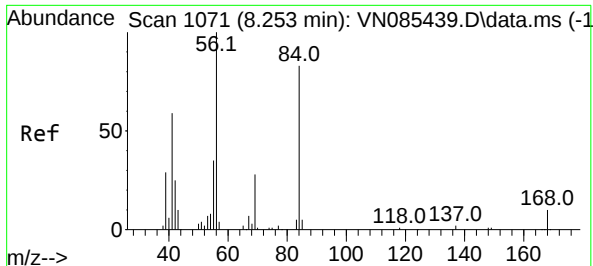
Delta R.T. 0.006 min

Lab File: VN085769.D

Acq: 14 Feb 2025 14:18

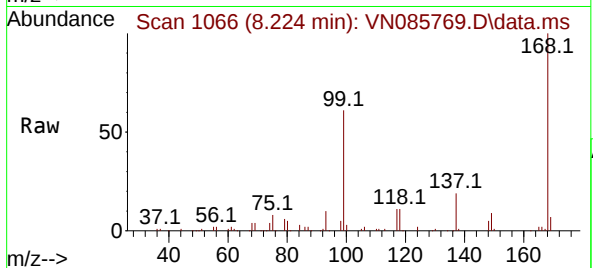
Tgt Ion:	83	Resp:	1279
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.6



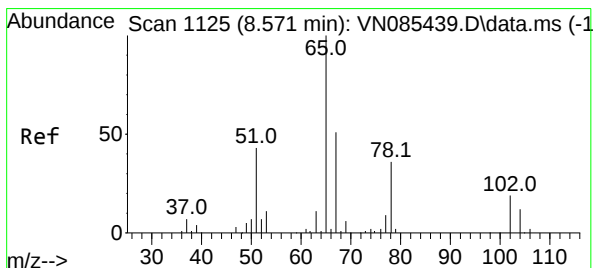
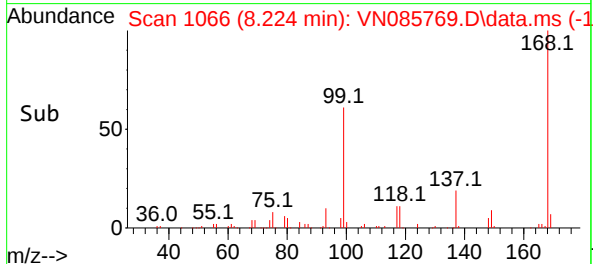
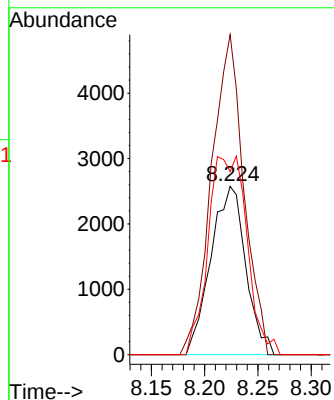


#31
Cyclohexane
Concen: 1.167 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :

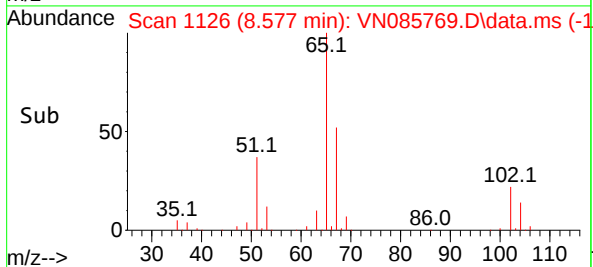
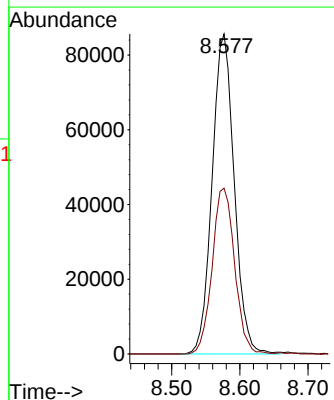
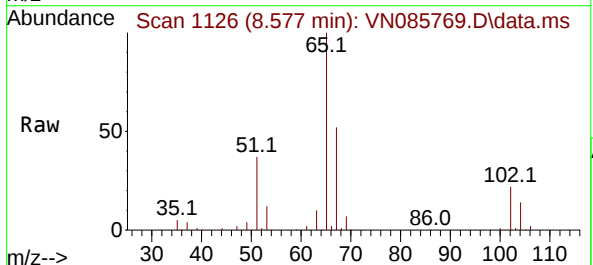


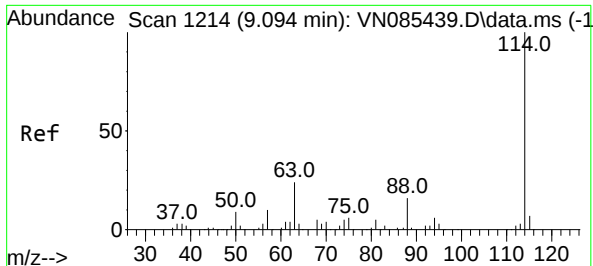
Tgt Ion: 56 Resp: 5879
Ion Ratio Lower Upper
56 100
69 190.0 22.2 33.4#
84 108.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.740 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

Tgt Ion: 65 Resp: 193409
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085769.D

Acq: 14 Feb 2025 14:18

Instrument :

MSVOA_N

ClientSampleId :

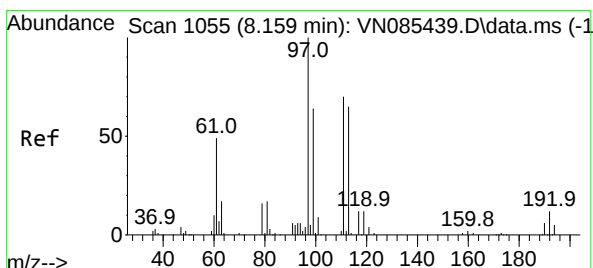
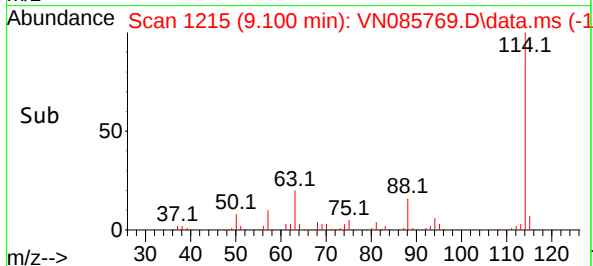
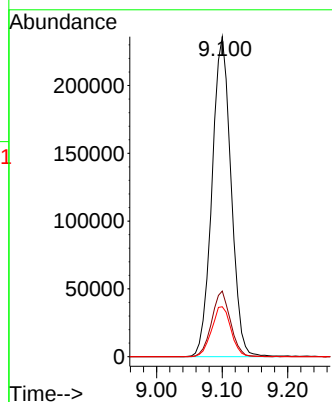
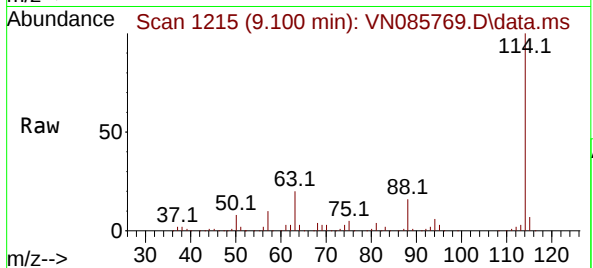
Tgt Ion:114 Resp: 475235

Ion Ratio Lower Upper

114 100

63 20.5 0.0 47.6

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.473 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085769.D

Acq: 14 Feb 2025 14:18

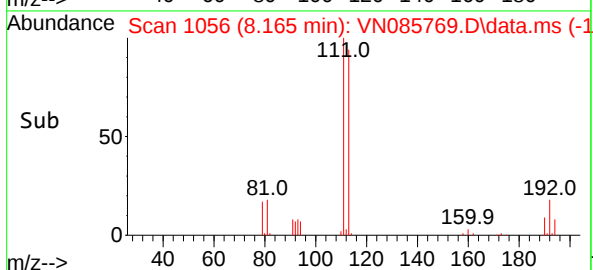
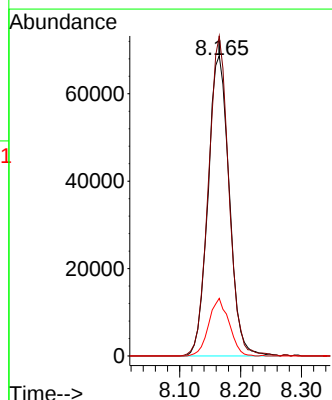
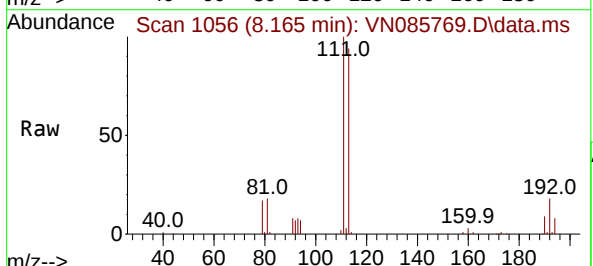
Tgt Ion:113 Resp: 166406

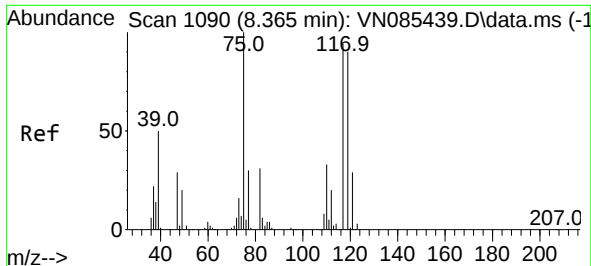
Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

192 18.3 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.421 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

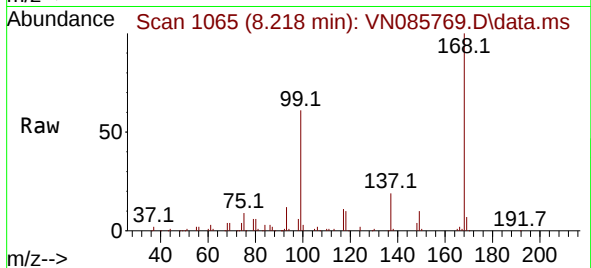
Lab File: VN085769.D

Acq: 14 Feb 2025 14:18

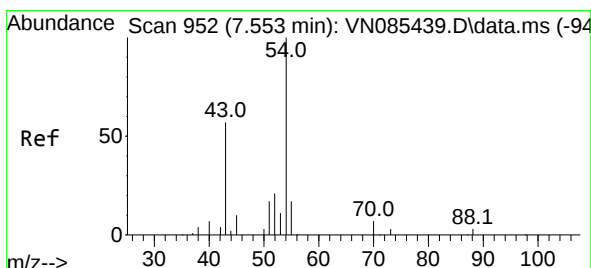
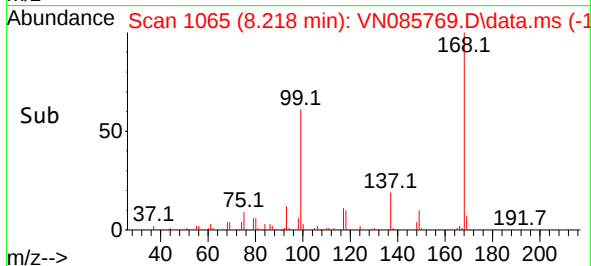
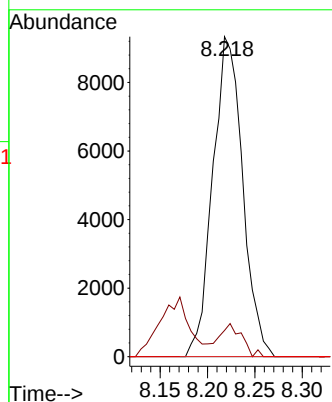
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	20457
Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.5	49.5#
77	0.0	24.4	36.6#



#37

Ethyl Acetate

Concen: 1.019 ug/l

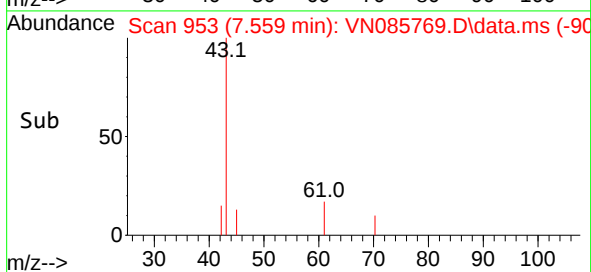
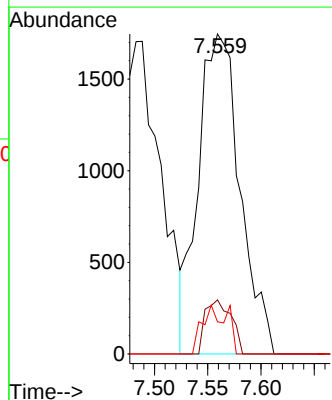
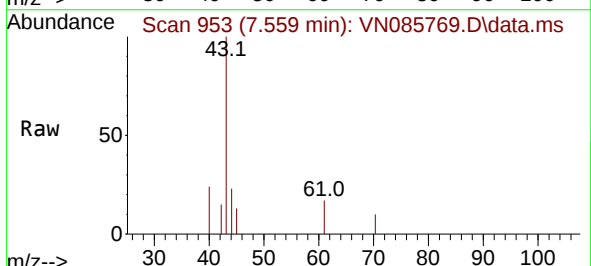
RT: 7.559 min Scan# 953

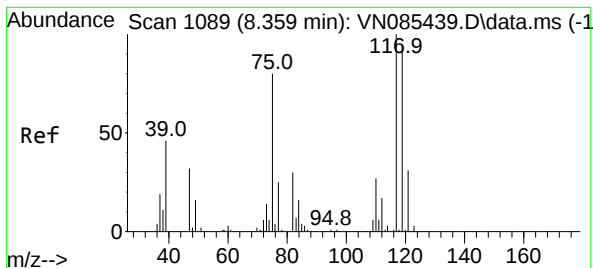
Delta R.T. 0.006 min

Lab File: VN085769.D

Acq: 14 Feb 2025 14:18

Tgt Ion:	43	Resp:	4759
Ion	Ratio	Lower	Upper
43	100		
61	10.5	10.9	16.3#
70	9.0	7.5	11.3





#38

Carbon Tetrachloride

Concen: 4.994 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.135 min

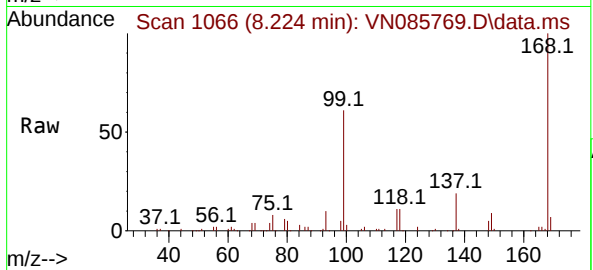
Lab File: VN085769.D

Acq: 14 Feb 2025 14:18

Instrument :

MSVOA_N

ClientSampleId :



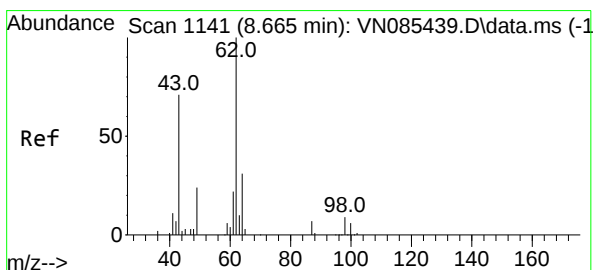
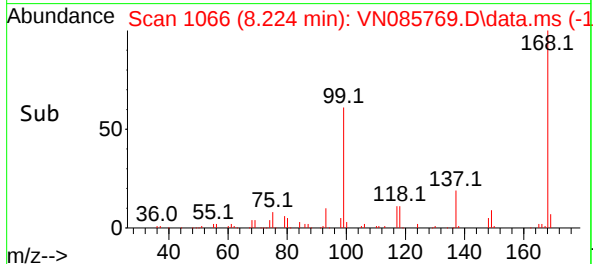
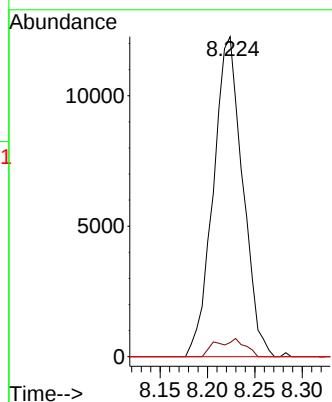
Tgt Ion:117 Resp: 26454

Ion Ratio Lower Upper

117 100

119 4.4 75.4 113.2#

121 0.0 24.6 37.0#



#42

1,2-Dichloroethane

Concen: 0.280 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.024 min

Lab File: VN085769.D

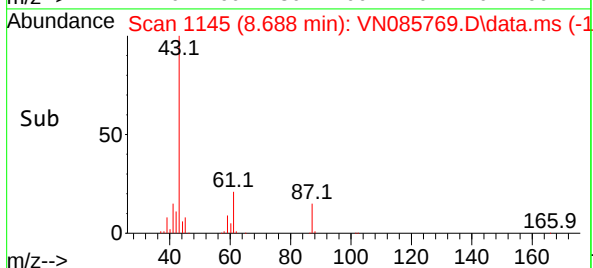
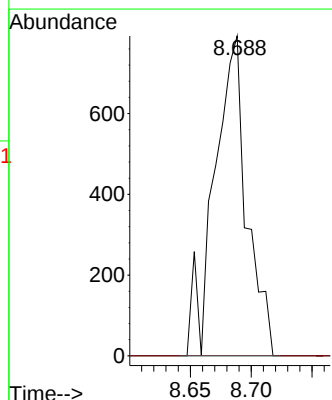
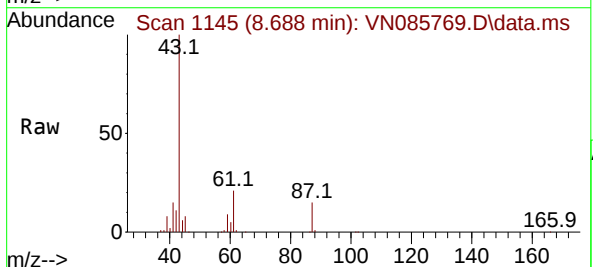
Acq: 14 Feb 2025 14:18

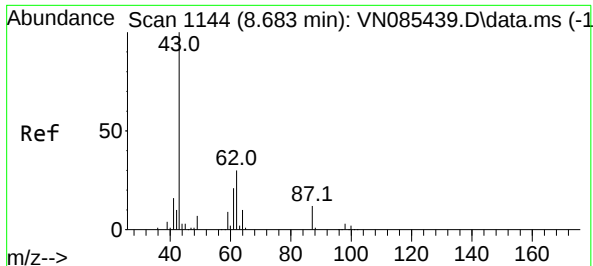
Tgt Ion: 62 Resp: 1467

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0





#43

Isopropyl Acetate

Concen: 27.564 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN085769.D

Acq: 14 Feb 2025 14:18

Instrument :

MSVOA_N

ClientSampleId :

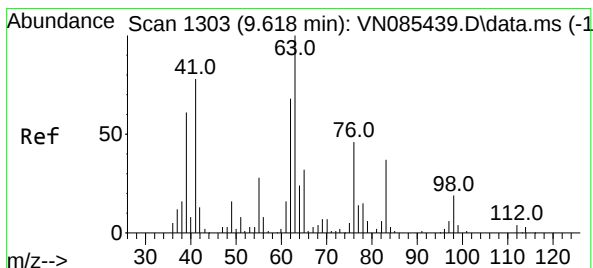
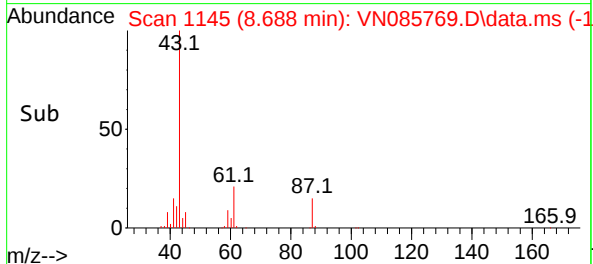
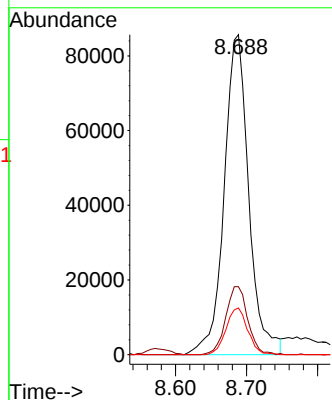
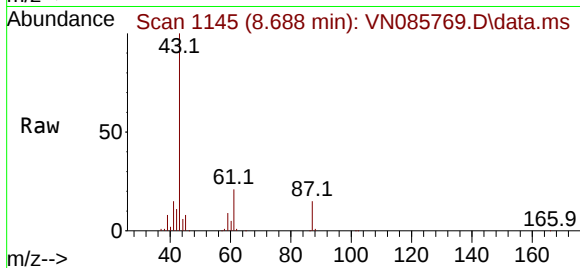
Tgt Ion: 43 Resp: 206286

Ion Ratio Lower Upper

43 100

61 19.1 20.7 31.1#

87 12.8 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.666 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.129 min

Lab File: VN085769.D

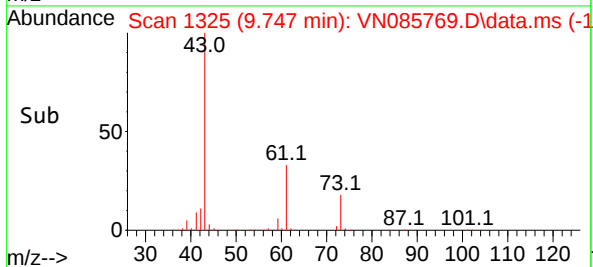
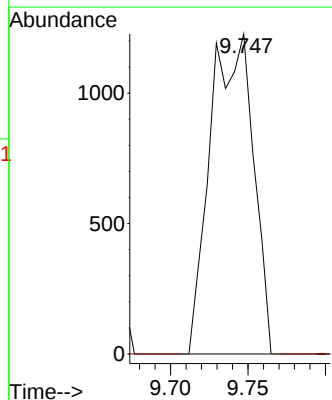
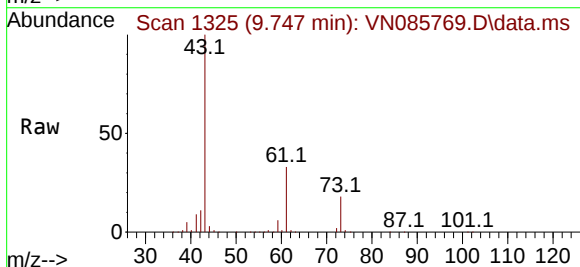
Acq: 14 Feb 2025 14:18

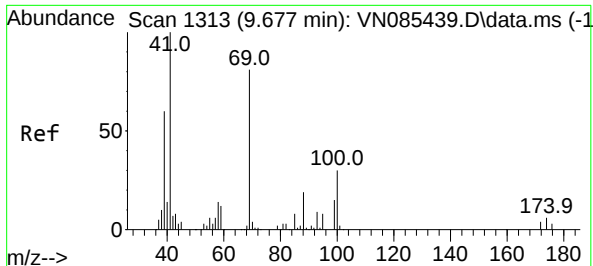
Tgt Ion: 63 Resp: 2365

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#





#48

Methyl methacrylate

Concen: 1.568 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085769.D

Acq: 14 Feb 2025 14:18

Instrument :

MSVOA_N

ClientSampleId :

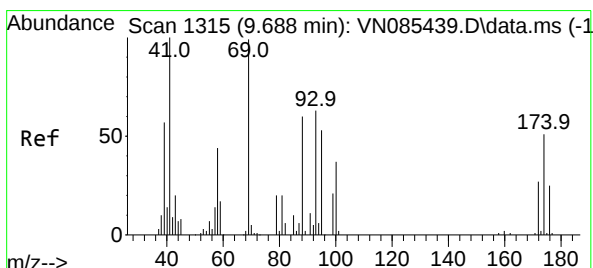
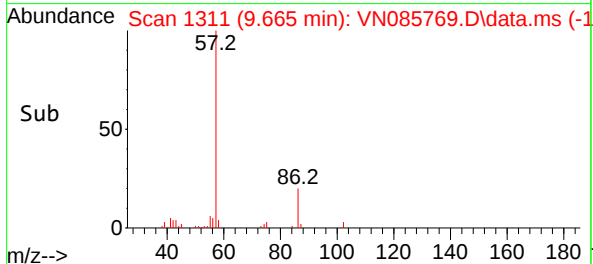
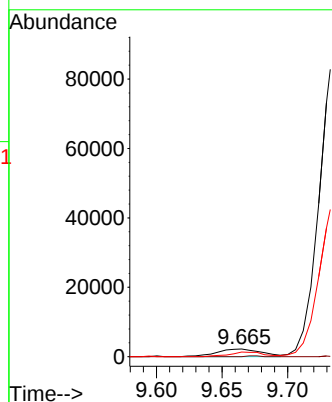
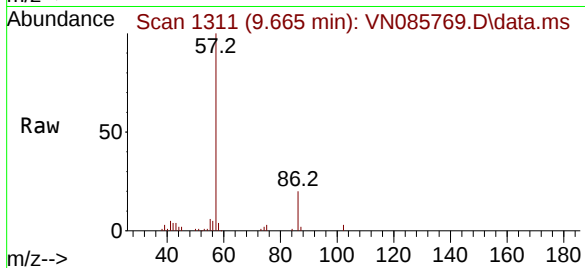
Tgt Ion: 41 Resp: 5281

Ion Ratio Lower Upper

41 100

69 3.0 64.7 97.1#

39 0.0 49.0 73.6#



#49

1,4-Dioxane

Concen: 1.393 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.053 min

Lab File: VN085769.D

Acq: 14 Feb 2025 14:18

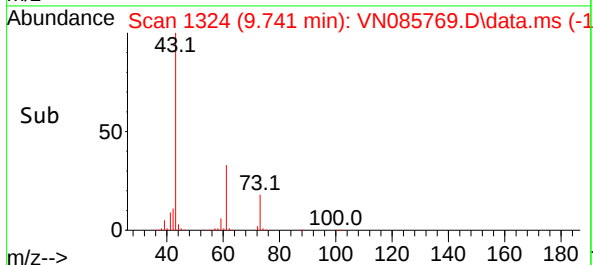
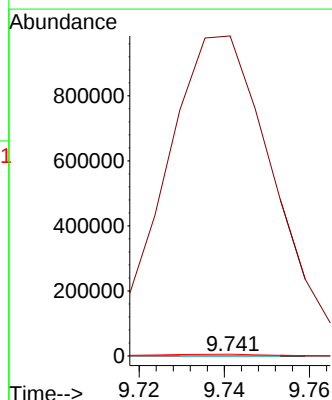
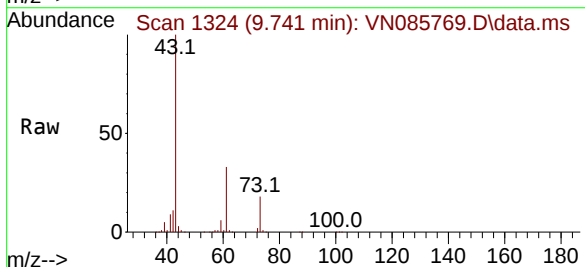
Tgt Ion: 88 Resp: 79

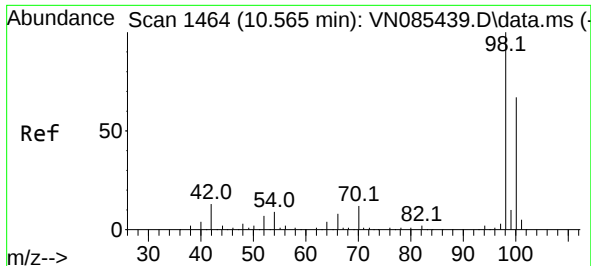
Ion Ratio Lower Upper

88 100

43 2275083.5 26.6 39.8#

58 12848.1 59.5 89.3#

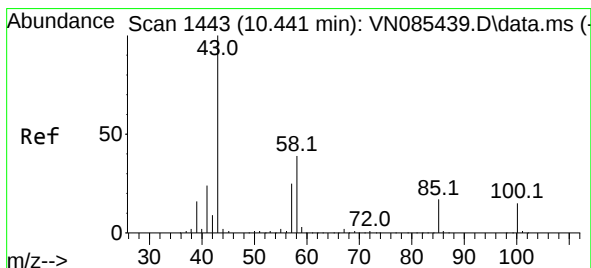
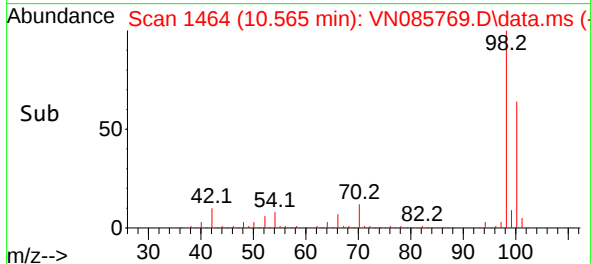
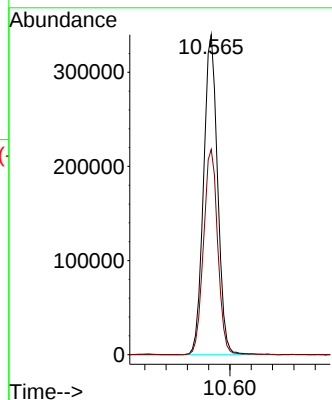
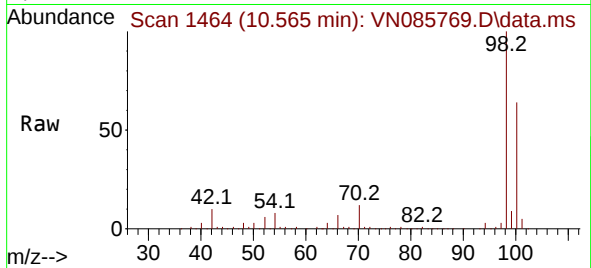




#50
Toluene-d8
Concen: 53.059 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

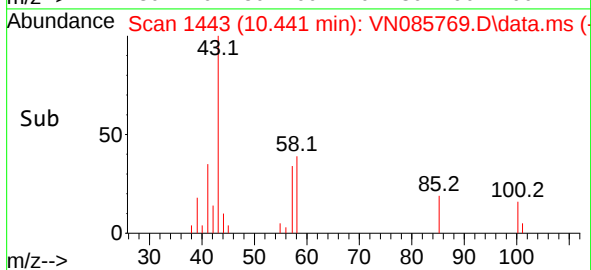
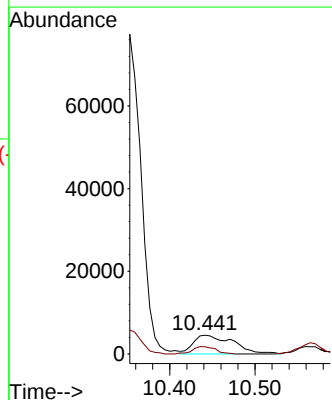
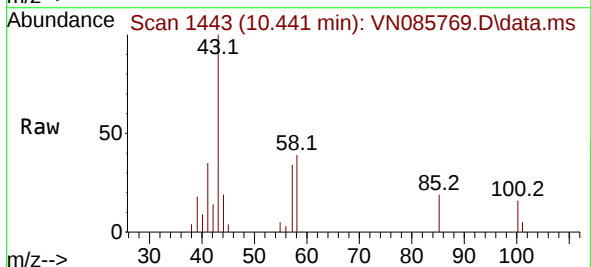
Instrument :
MSVOA_N
ClientSampleId :

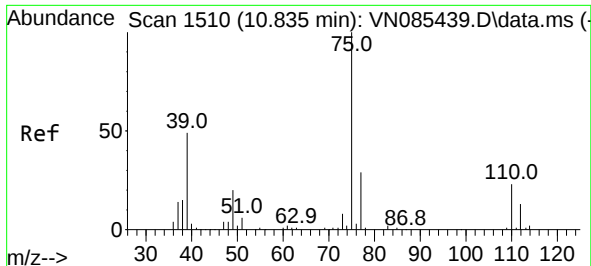
Tgt Ion: 98 Resp: 621535
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.425 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

Tgt Ion: 43 Resp: 14872
Ion Ratio Lower Upper
43 100
58 22.6 30.5 45.7#

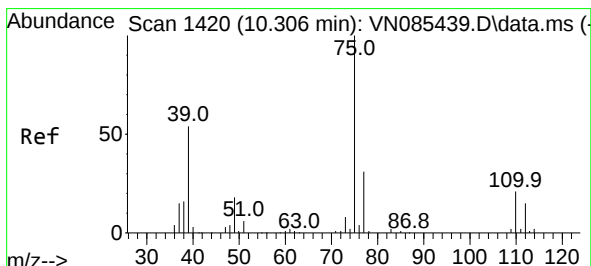
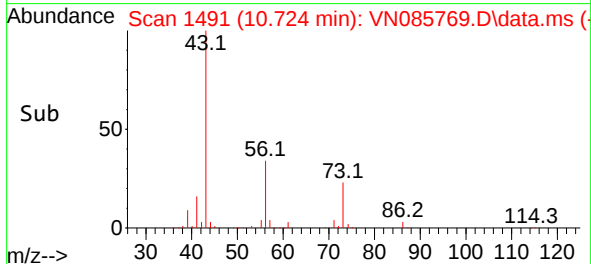
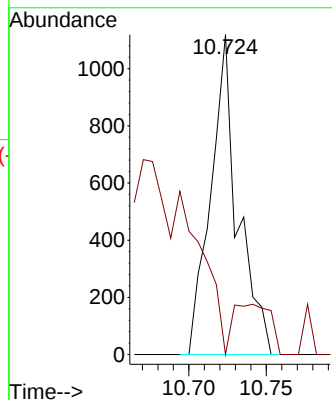
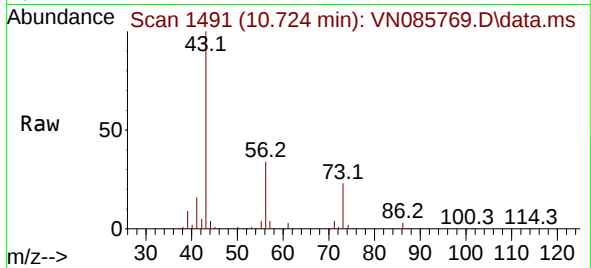




#53
 t-1,3-Dichloropropene
 Concen: 0.275 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN085769.D
 Acq: 14 Feb 2025 14:18

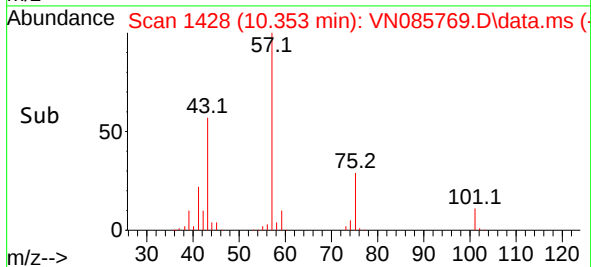
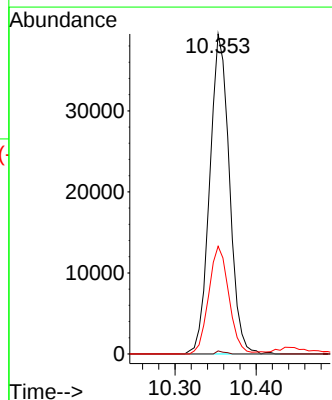
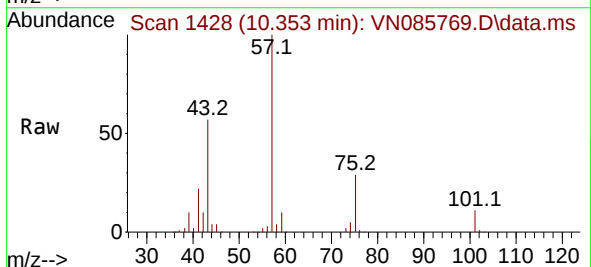
Instrument :
 MSVOA_N
 ClientSampleId :

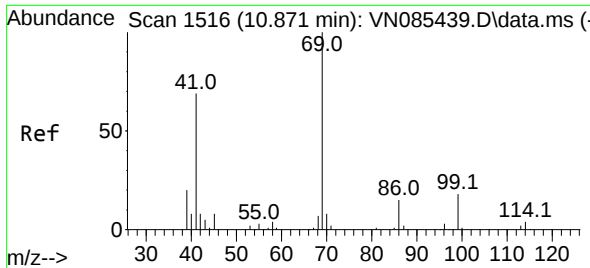
Tgt Ion: 75 Resp: 1359
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.608 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085769.D
 Acq: 14 Feb 2025 14:18

Tgt Ion: 75 Resp: 66442
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.0 37.4#
 39 33.7 43.1 64.7#

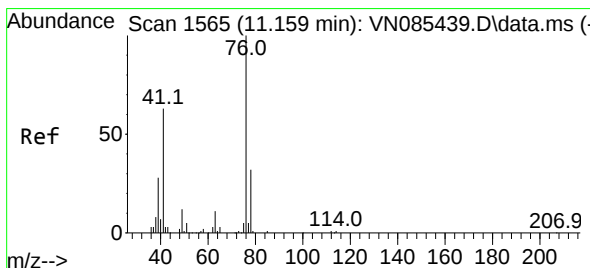
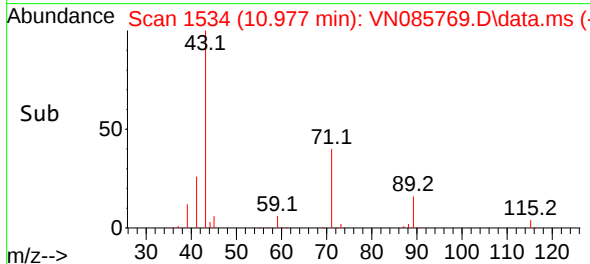
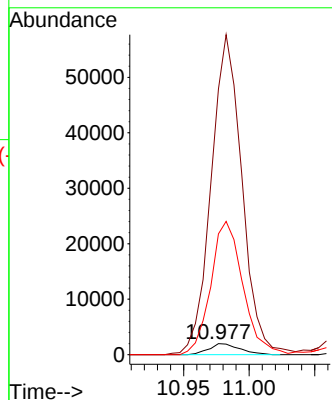
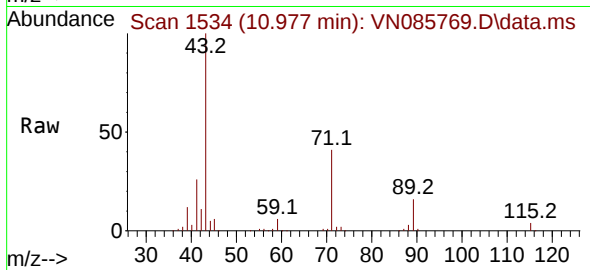




#56
Ethyl methacrylate
Concen: 2.516 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

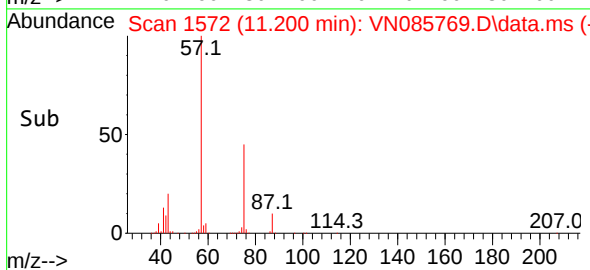
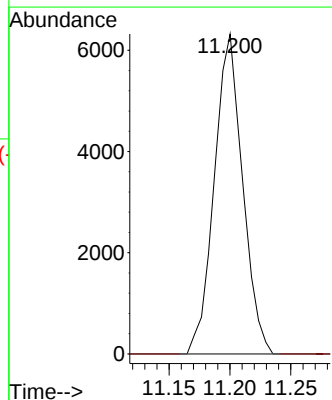
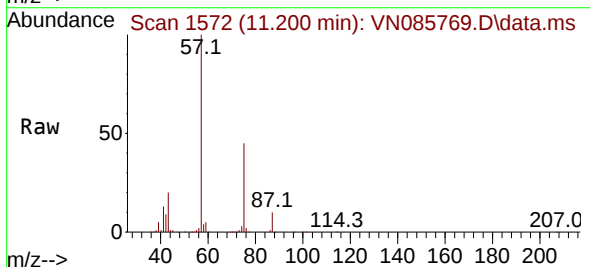
Instrument :
MSVOA_N
ClientSampleId :

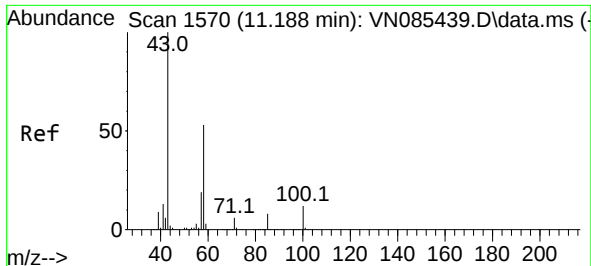
Tgt Ion: 69 Resp: 3269
Ion Ratio Lower Upper
69 100
41 2890.8 54.6 82.0#
39 1251.6 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.845 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

Tgt Ion: 76 Resp: 10225
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

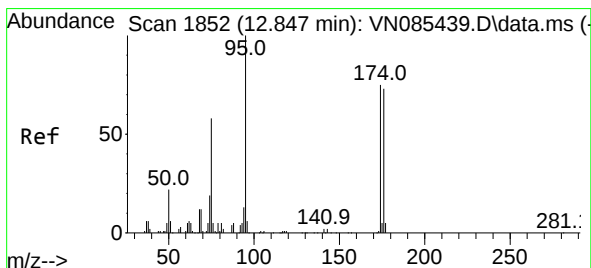
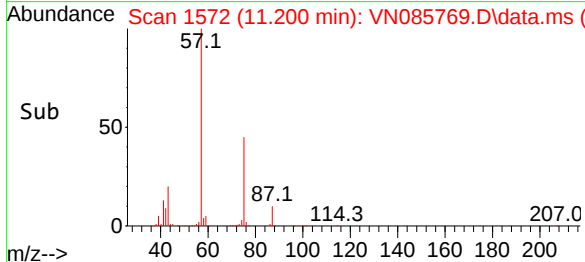
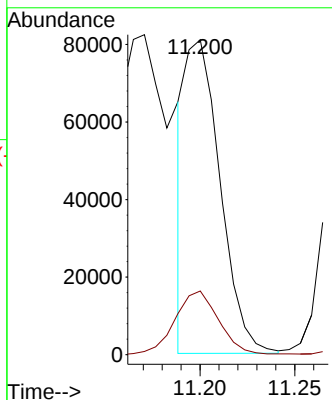
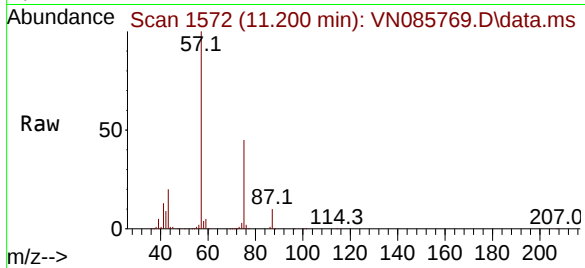




#59
2-Hexanone
Concen: 33.749 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

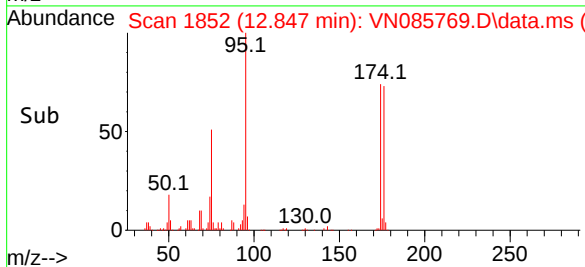
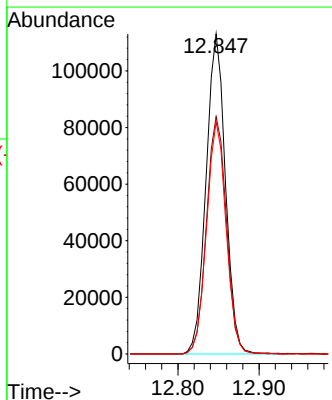
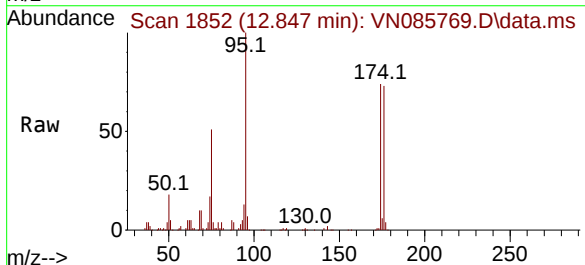
Instrument :
MSVOA_N
ClientSampleId :

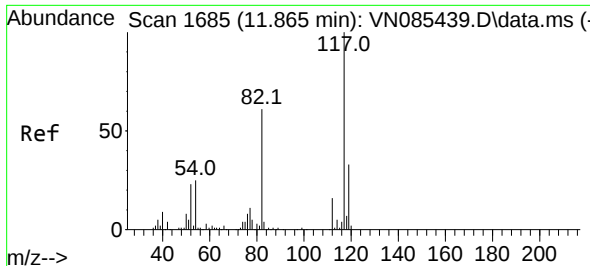
Tgt Ion: 43 Resp: 103127
Ion Ratio Lower Upper
43 100
58 25.9 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 46.659 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

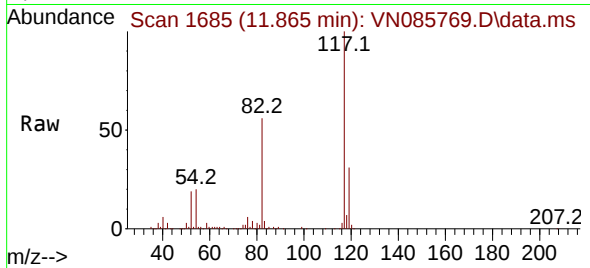
Tgt Ion: 95 Resp: 186965
Ion Ratio Lower Upper
95 100
174 76.4 0.0 145.0
176 73.1 0.0 142.4



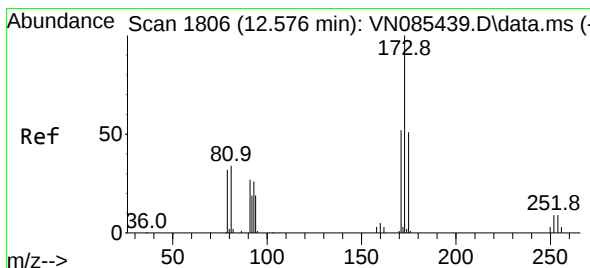
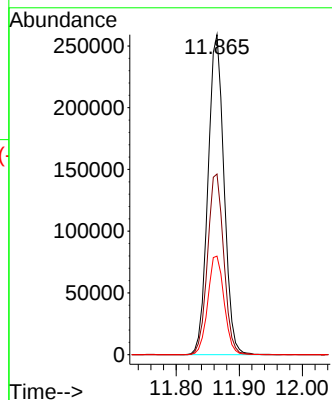
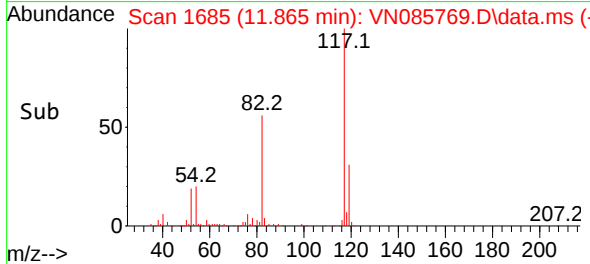


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :

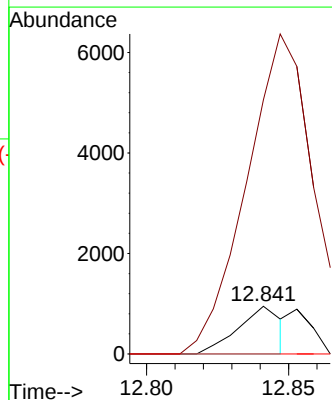
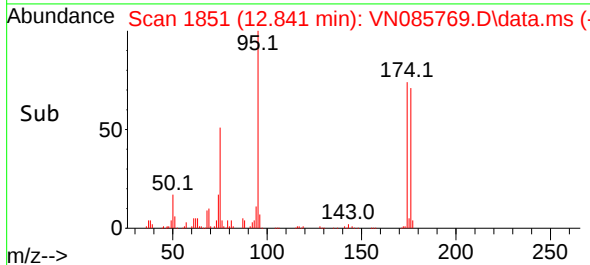
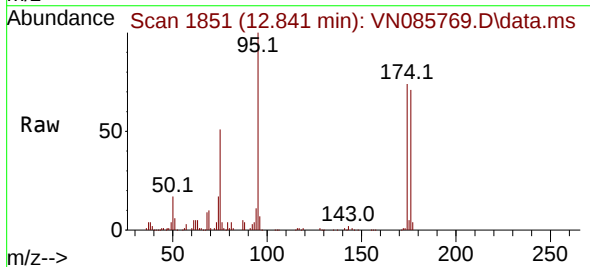


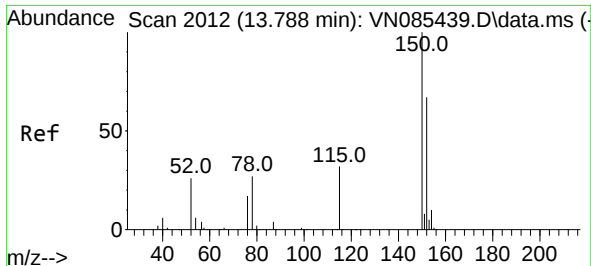
Tgt Ion:117 Resp: 456510
Ion Ratio Lower Upper
117 100
82 56.5 48.6 72.8
119 30.8 26.6 39.8



#71
Bromoform
Concen: 0.382 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

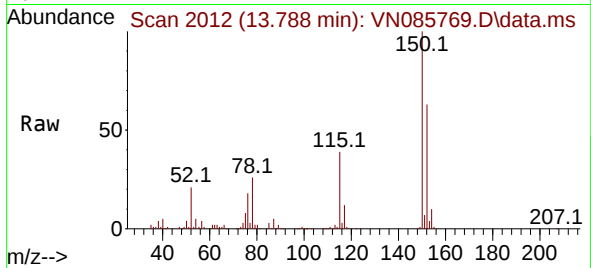
Tgt Ion:173 Resp: 1003
Ion Ratio Lower Upper
173 100
175 834.6 24.4 73.2#
254 0.0 0.0 0.0



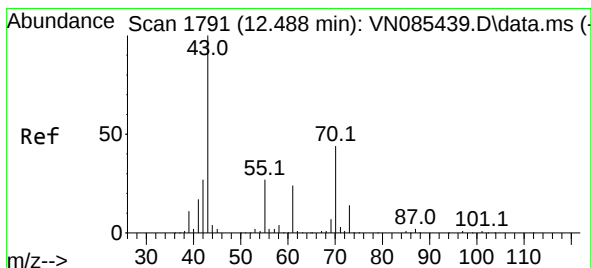
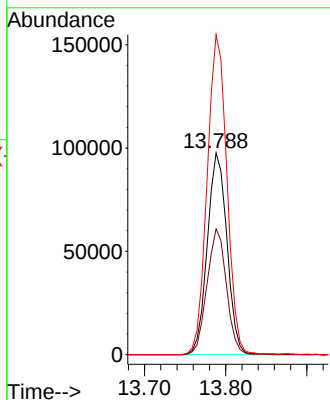
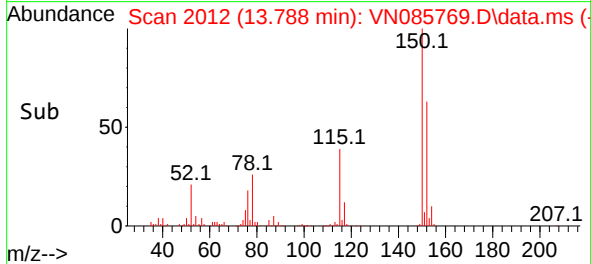


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN085769.D
 Acq: 14 Feb 2025 14:18

Instrument :
 MSVOA_N
 ClientSampleId :

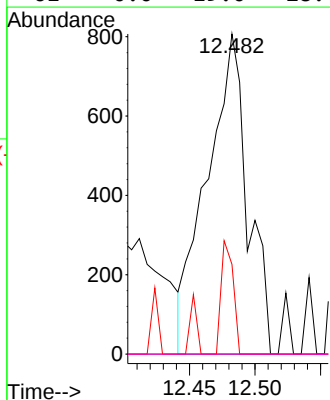
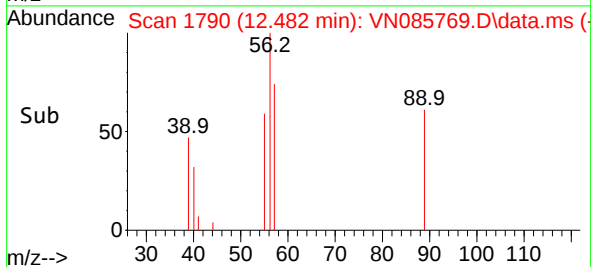
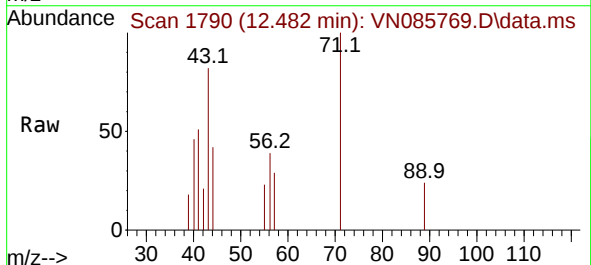


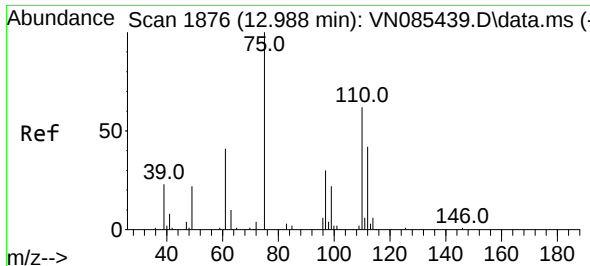
Tgt Ion:152 Resp: 164170
 Ion Ratio Lower Upper
 152 100
 115 61.7 31.1 93.3
 150 158.9 0.0 343.6



#74
 N-ethyl acetate
 Concen: 0.350 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: VN085769.D
 Acq: 14 Feb 2025 14:18

Tgt Ion: 43 Resp: 1742
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.0 51.0#
 55 10.4 21.4 32.2#
 61 0.0 19.0 28.4#

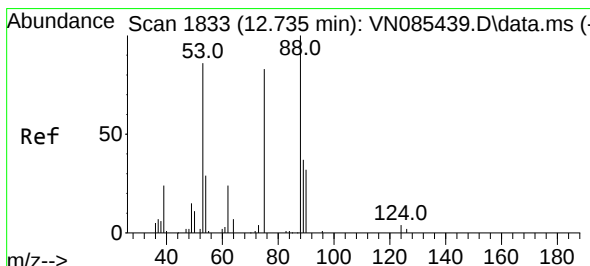
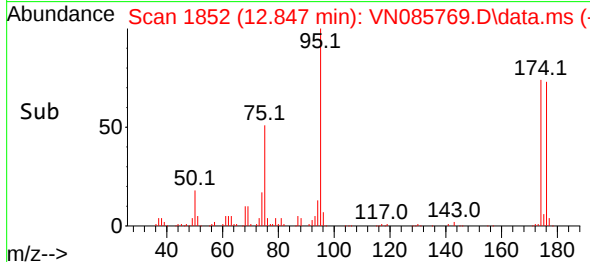
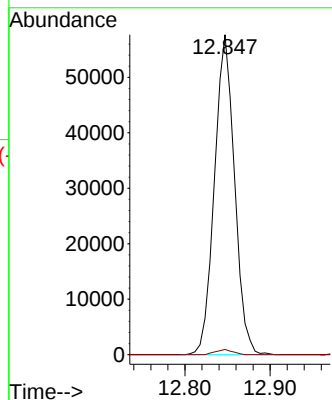
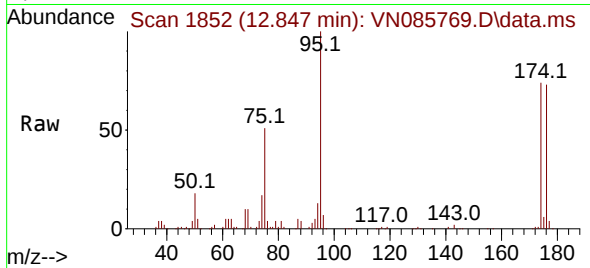




#76
1,2,3-Trichloropropane
Concen: 28.310 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 94464
Ion Ratio Lower Upper
75 100
77 1.4 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.594 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085769.D
Acq: 14 Feb 2025 14:18

Tgt Ion: 75 Resp: 94464
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.0 37.0 55.6#

