

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102924\
 Data File : VN084565.D
 Acq On : 29 Oct 2024 15:41
 Operator : JC\MD
 Sample : P4578-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:04:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

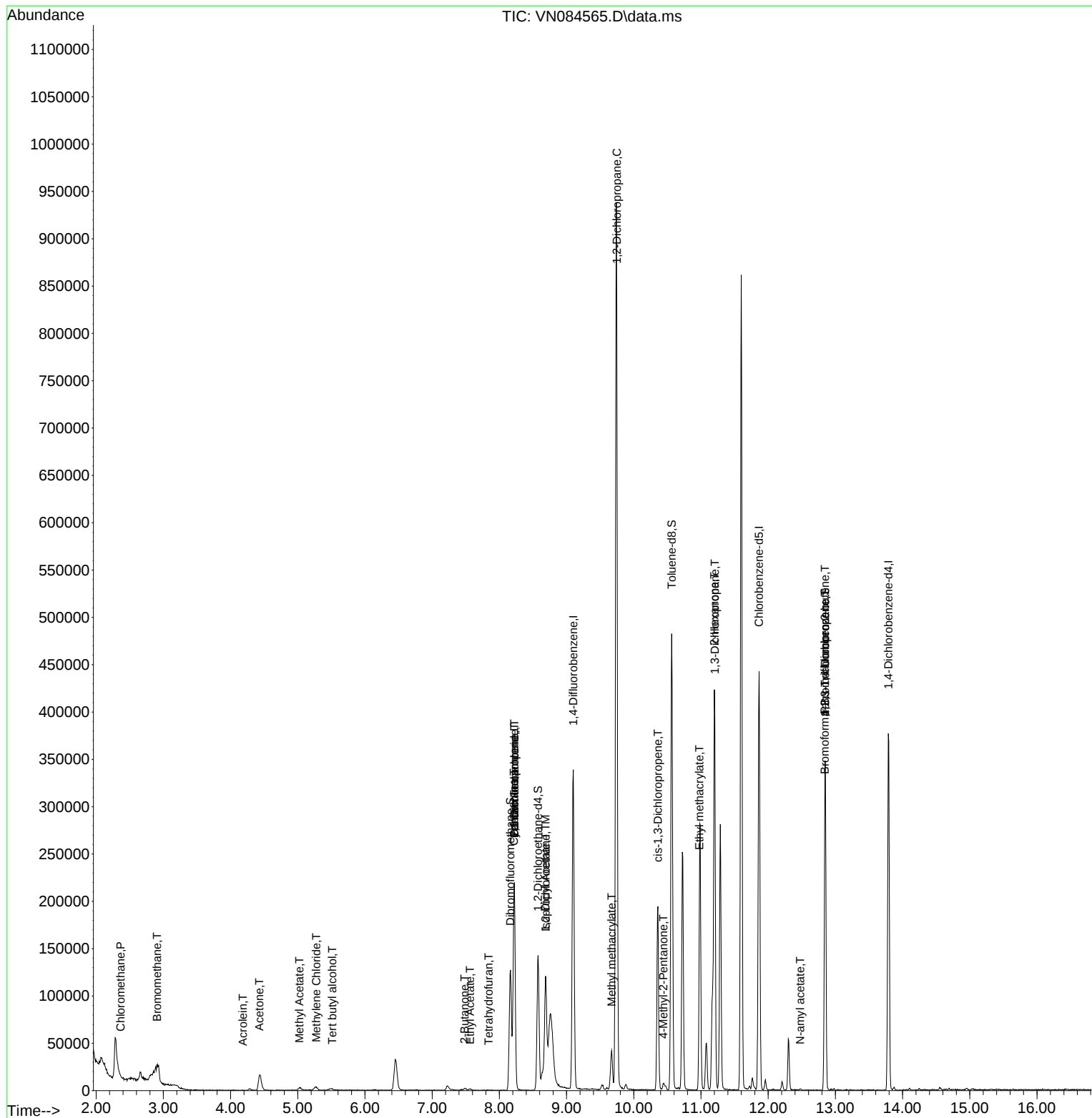
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	153660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115366	50.637	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.280%	
35) Dibromofluoromethane	8.165	113	91913	49.267	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.540%	
50) Toluene-d8	10.565	98	333504	48.589	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.180%	
62) 4-Bromofluorobenzene	12.847	95	121123	48.438	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.880%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	483	0.233	ug/l #	41
5) Bromomethane	2.906	94	394	0.297	ug/l #	69
11) Tert butyl alcohol	5.512	59	657	1.749	ug/l #	73
13) Acrolein	4.183	56	125	0.290	ug/l #	14
16) Acetone	4.430	43	32247	32.949	ug/l	99
18) Methyl Acetate	5.024	43	5853	2.744	ug/l	92
20) Methylene Chloride	5.277	84	3038	1.527	ug/l #	78
25) 2-Butanone	7.483	43	3570	2.678	ug/l	98
29) Tetrahydrofuran	7.841	42	171	0.208	ug/l #	34
31) Cyclohexane	8.218	56	3487	1.033	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	14060	5.188	ug/l #	50
37) Ethyl Acetate	7.565	43	2403	0.864	ug/l #	81
38) Carbon Tetrachloride	8.224	117	17319	5.826	ug/l #	19
42) 1,2-Dichloroethane	8.688	62	676	0.236	ug/l #	75
43) Isopropyl Acetate	8.688	43	161001	29.566	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	1144	0.573	ug/l #	44
48) Methyl methacrylate	9.671	41	3023	1.395	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	4821	1.822	ug/l	96
54) cis-1,3-Dichloropropene	10.359	75	33425	10.180	ug/l #	64
56) Ethyl methacrylate	10.977	69	1599	0.526	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4516	1.369	ug/l #	42
59) 2-Hexanone	11.200	43	53452	27.022	ug/l #	56
71) Bromoform	12.841	173	914	0.646	ug/l #	1
74) N-amyl acetate	12.476	43	1417	0.400	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	64167	30.639	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64167	73.457	ug/l #	11

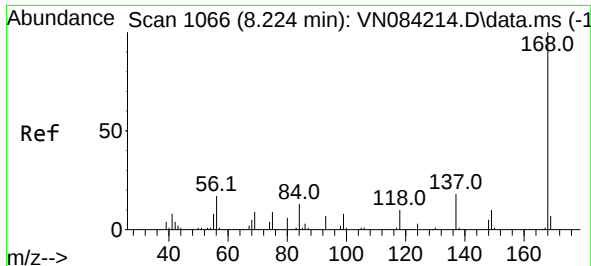
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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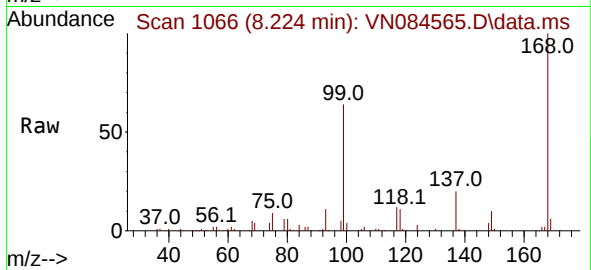
Quant Time: Oct 30 05:04:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
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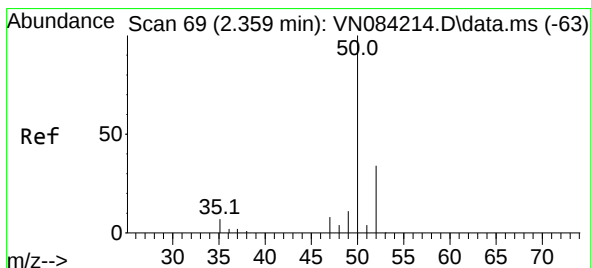
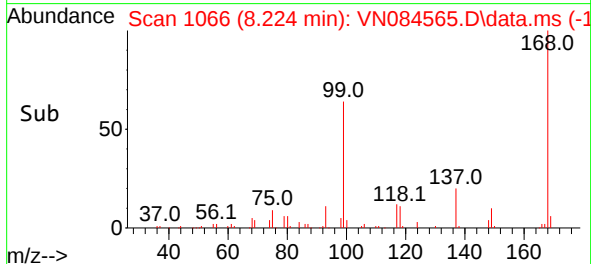
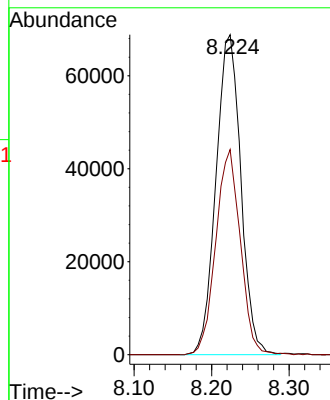


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :

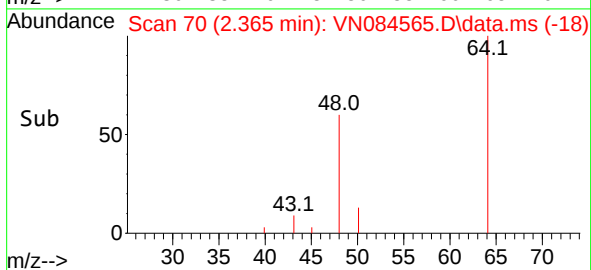
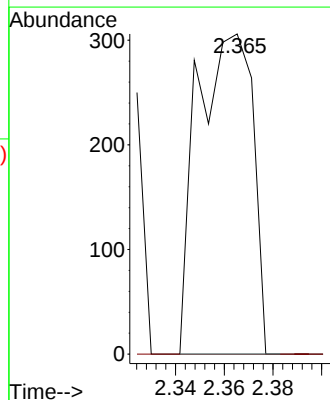
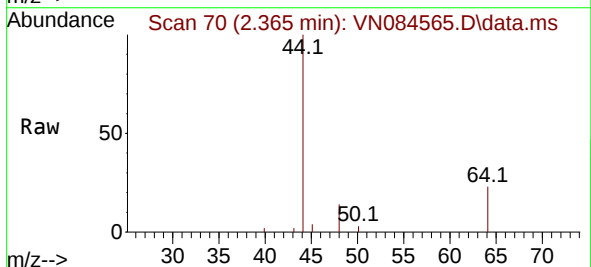


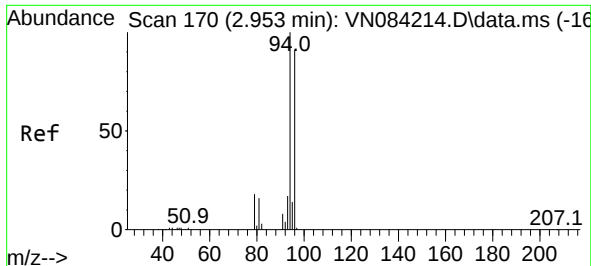
Tgt Ion:168 Resp: 153660
Ion Ratio Lower Upper
168 100
99 64.1 54.2 81.2



#3
Chloromethane
Concen: 0.233 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Tgt Ion: 50 Resp: 483
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

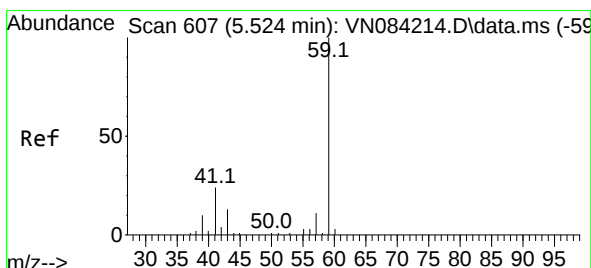
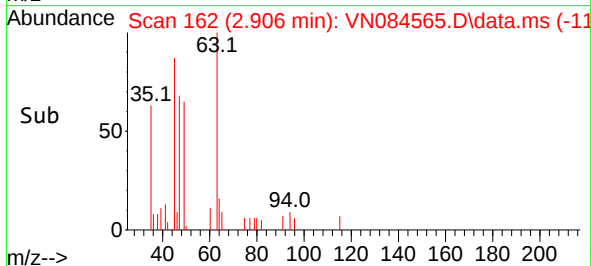
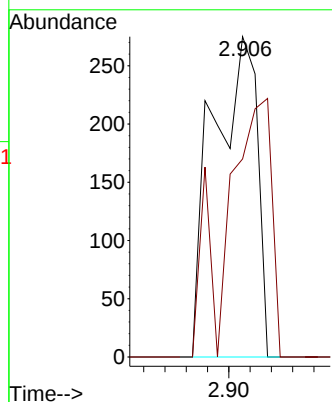
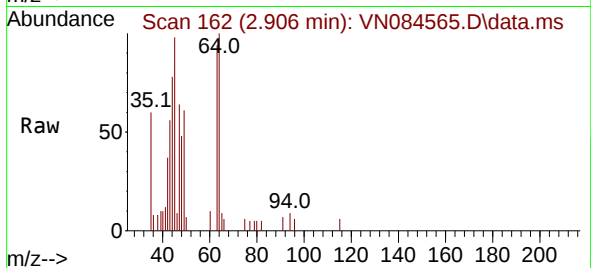




#5
Bromomethane
Concen: 0.297 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

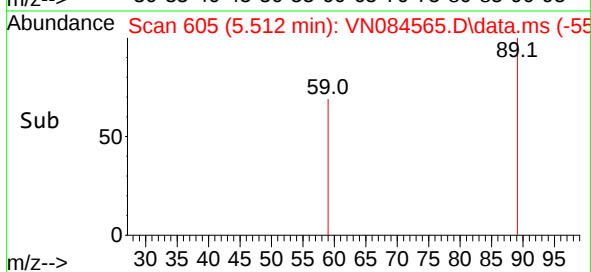
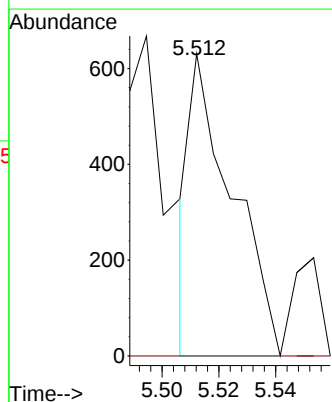
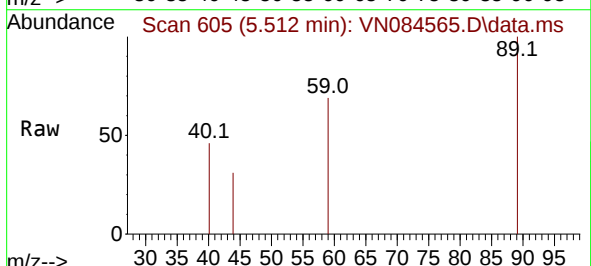
Instrument :
MSVOA_N
ClientSampleId :

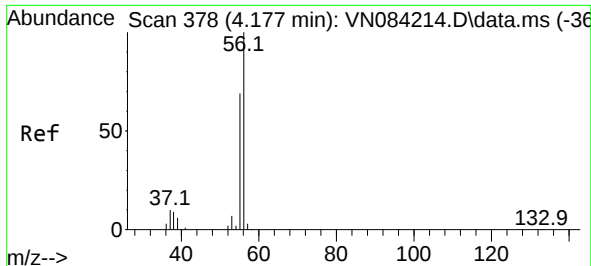
Tgt Ion: 94 Resp: 394
Ion Ratio Lower Upper
94 100
96 61.8 72.9 109.3#



#11
Tert butyl alcohol
Concen: 1.749 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

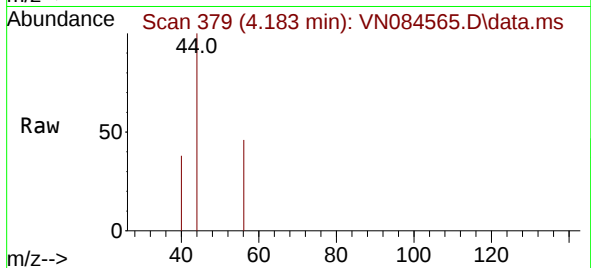
Tgt Ion: 59 Resp: 657
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



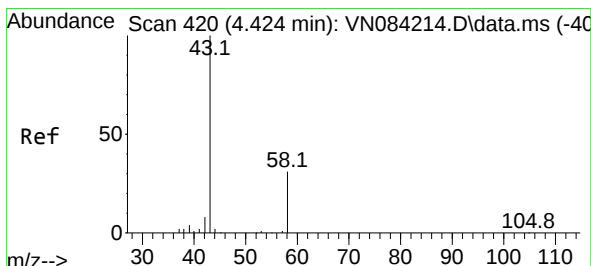
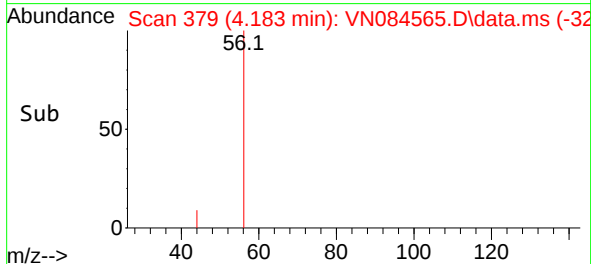
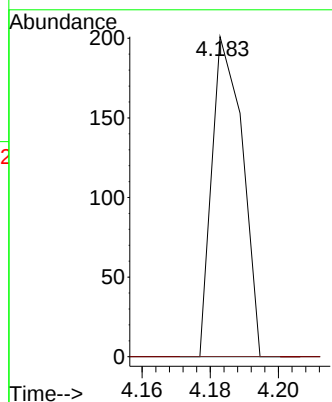


#13
Acrolein
Concen: 0.290 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :

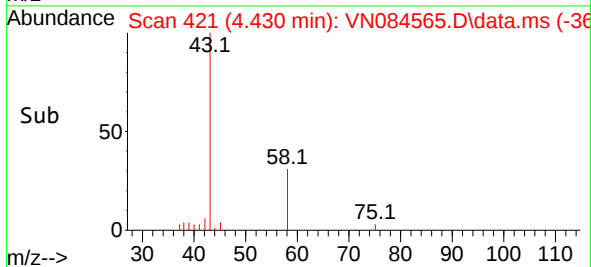
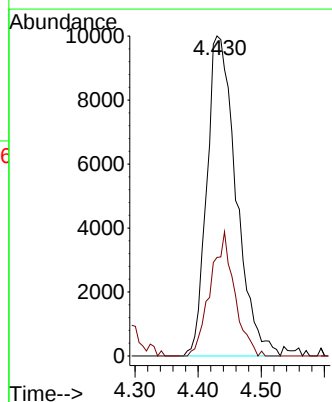
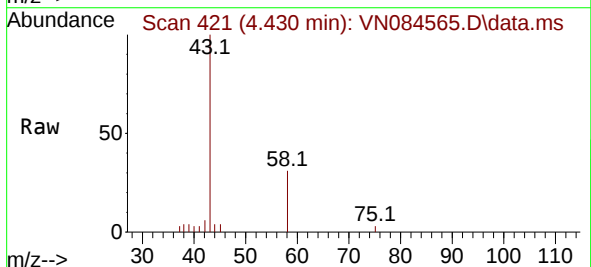


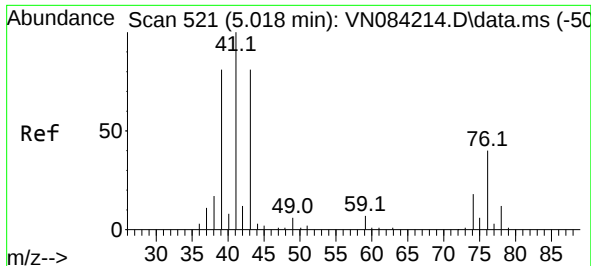
Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 32.949 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Tgt Ion: 43 Resp: 32247
Ion Ratio Lower Upper
43 100
58 30.8 24.4 36.6

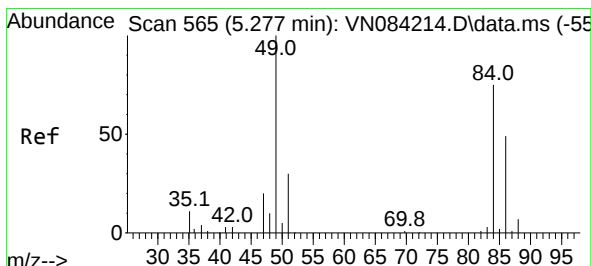
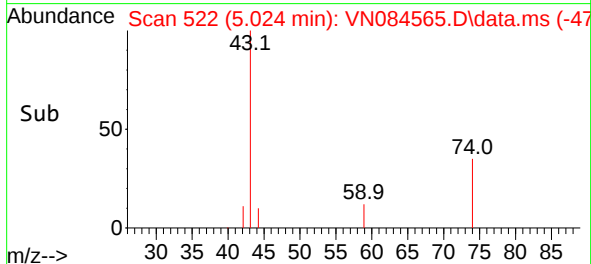
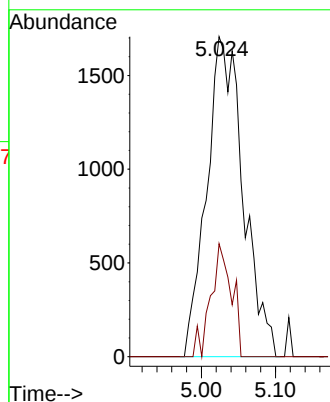
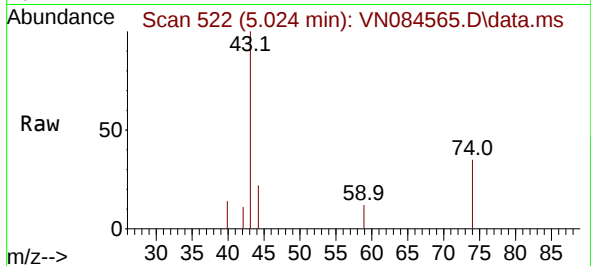




#18
Methyl Acetate
Concen: 2.744 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

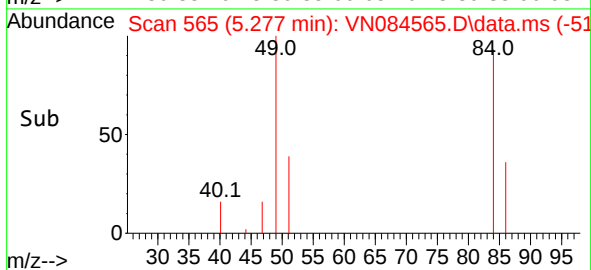
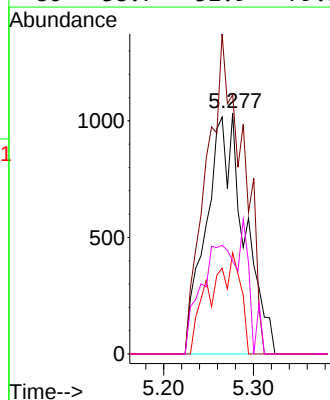
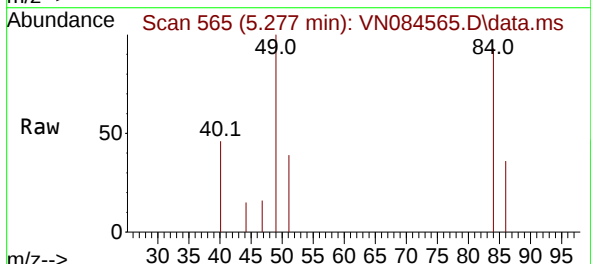
Instrument :
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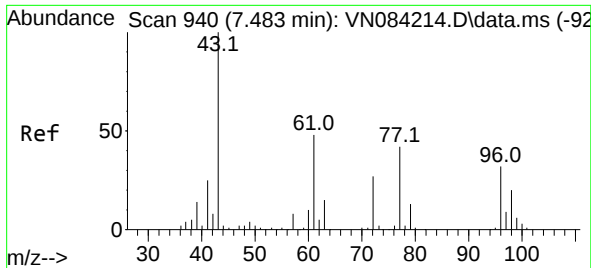
Tgt Ion: 43 Resp: 5853
Ion Ratio Lower Upper
43 100
74 19.9 19.2 28.8



#20
Methylene Chloride
Concen: 1.527 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Tgt Ion: 84 Resp: 3038
Ion Ratio Lower Upper
84 100
49 107.6 107.2 160.8
51 42.0 31.8 47.8
86 38.7 52.9 79.3#

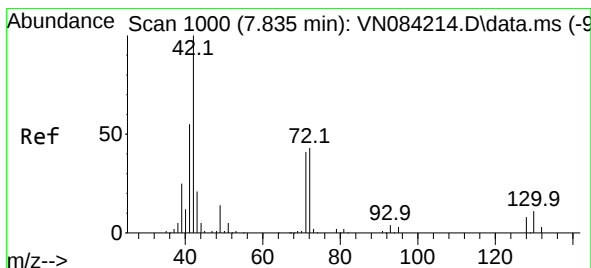
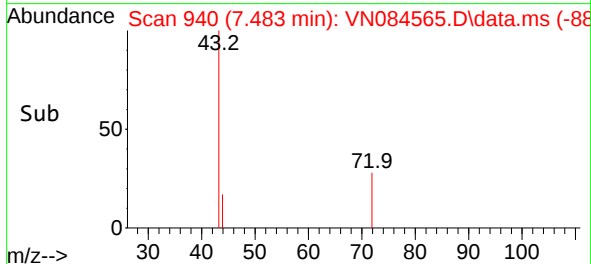
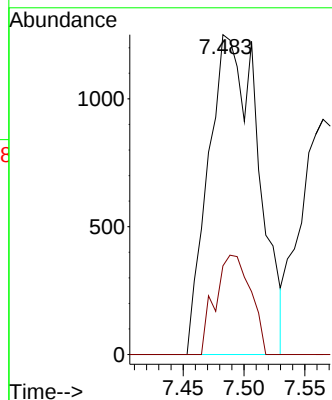
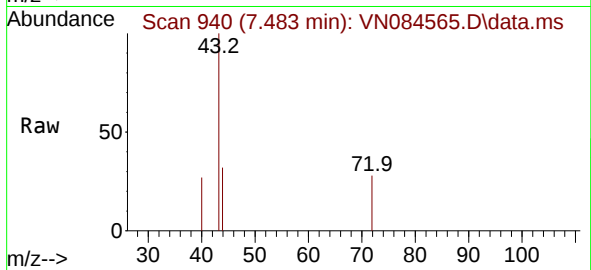




#25
2-Butanone
Concen: 2.678 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

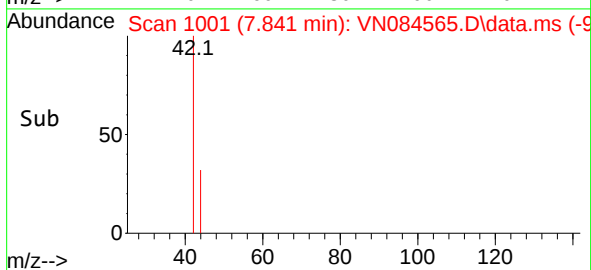
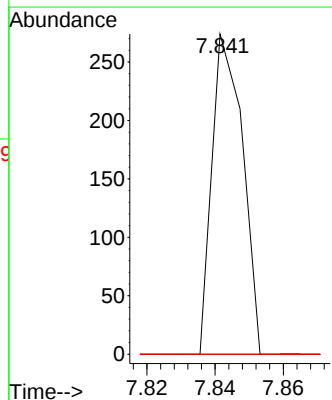
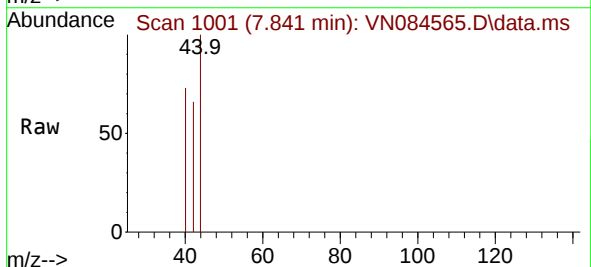
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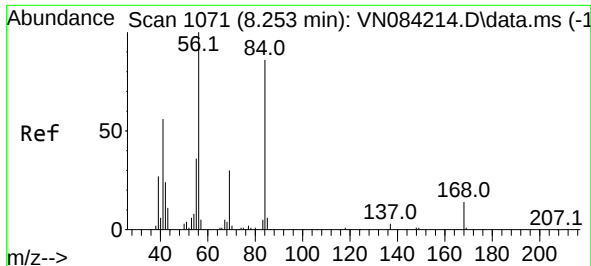
Tgt Ion: 43 Resp: 3570
Ion Ratio Lower Upper
43 100
72 27.7 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.208 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

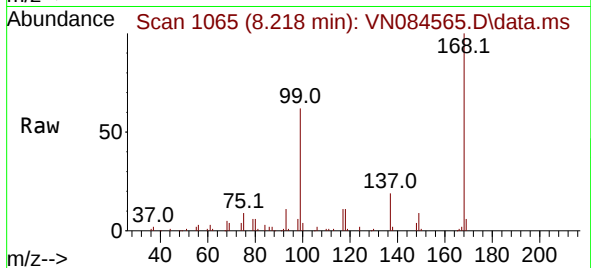
Tgt Ion: 42 Resp: 171
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#



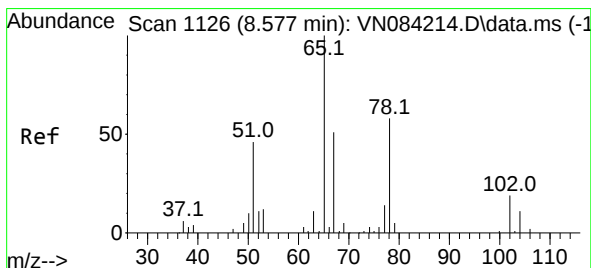
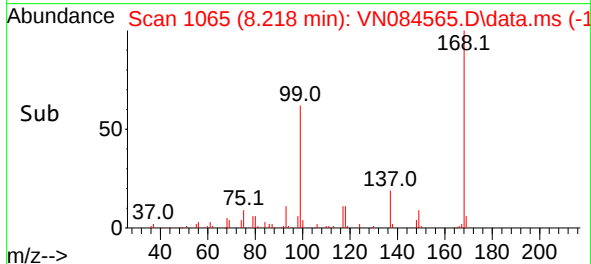
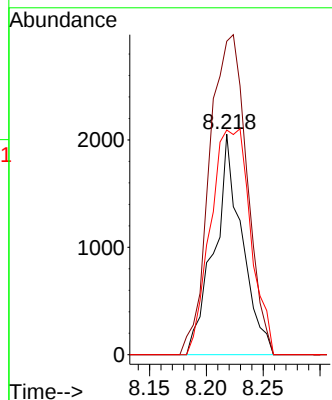


#31
Cyclohexane
Concen: 1.033 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :

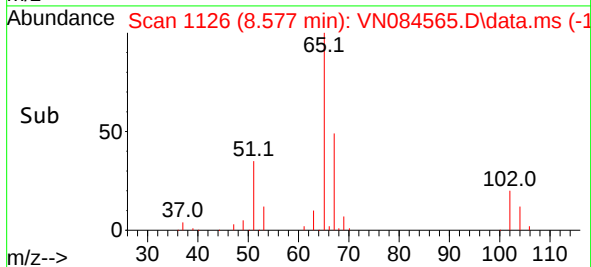
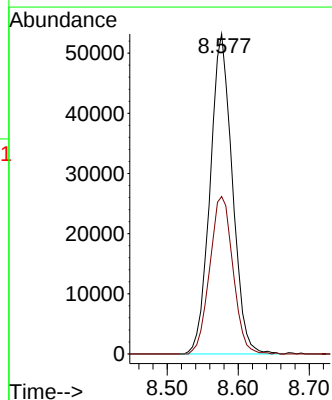
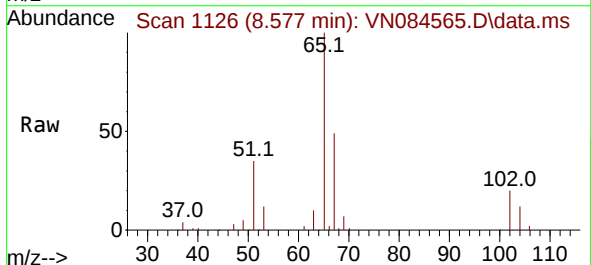


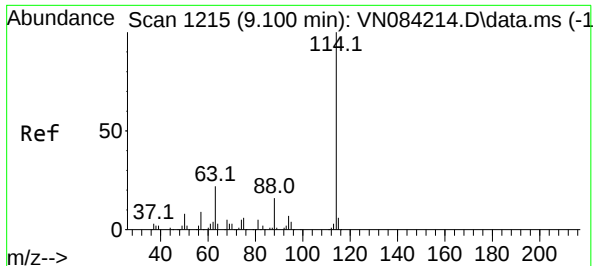
Tgt Ion: 56 Resp: 3487
Ion Ratio Lower Upper
56 100
69 142.1 23.8 35.6#
84 101.9 68.8 103.2



#33
1,2-Dichloroethane-d4
Concen: 50.637 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Tgt Ion: 65 Resp: 115366
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.0

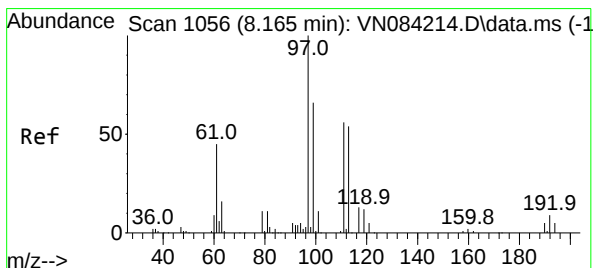
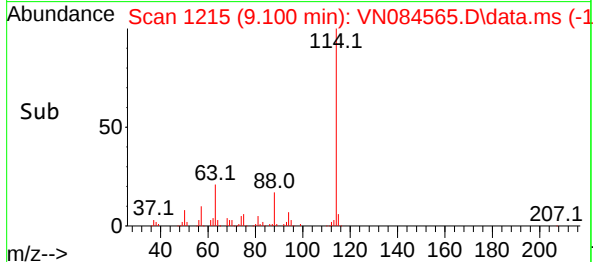
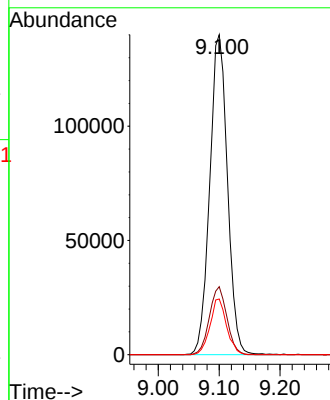
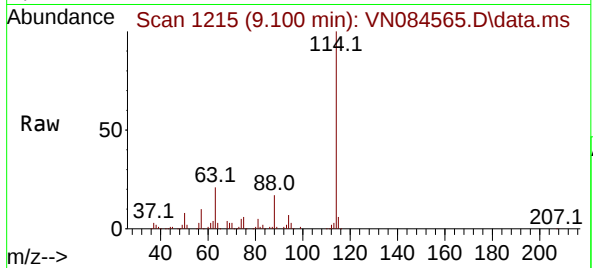




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

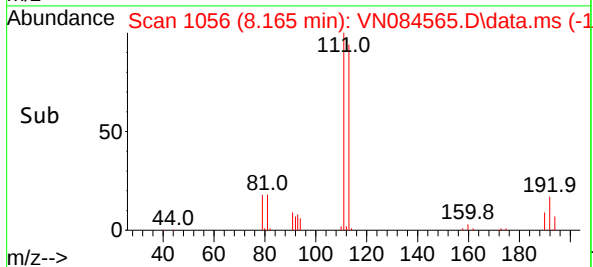
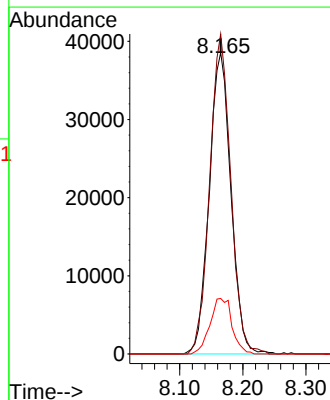
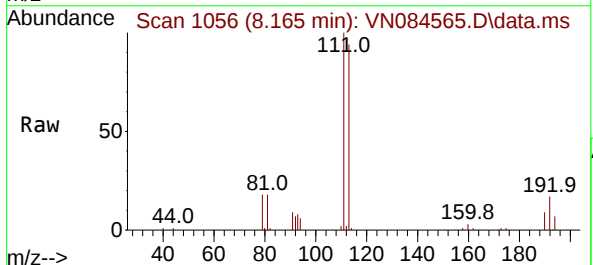
Instrument :
MSVOA_N
ClientSampleId :

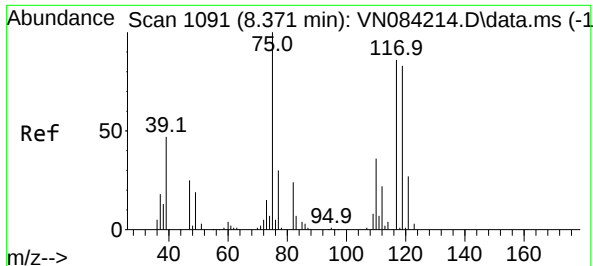
Tgt Ion:114 Resp: 282987
Ion Ratio Lower Upper
114 100
63 21.2 0.0 43.8
88 17.4 0.0 31.6



#35
Dibromofluoromethane
Concen: 49.267 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Tgt Ion:113 Resp: 91913
Ion Ratio Lower Upper
113 100
111 102.8 83.3 124.9
192 18.7 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.188 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

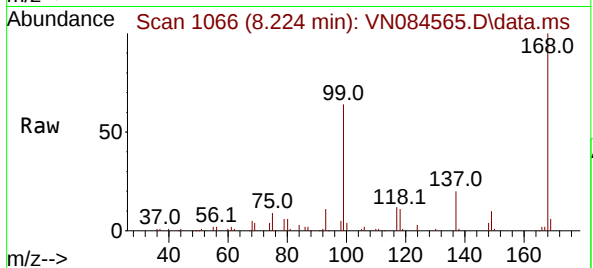
Lab File: VN084565.D

Acq: 29 Oct 2024 15:41

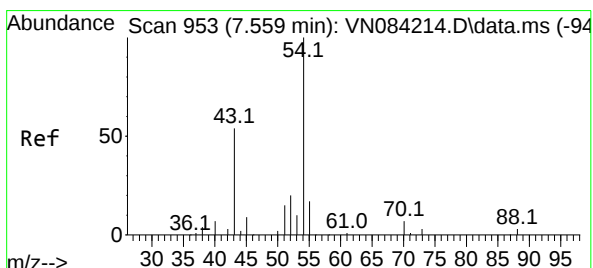
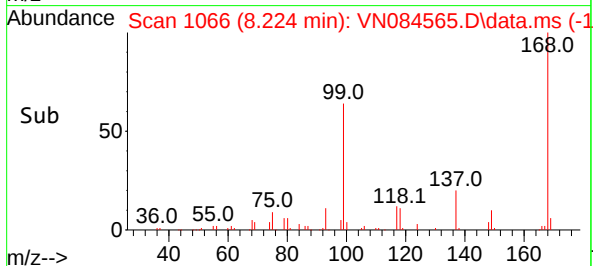
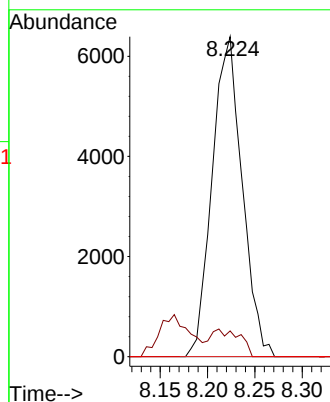
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14060
Ion Ratio	Lower	Upper	
75	100		
110	8.6	16.9	50.7#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 0.864 ug/l

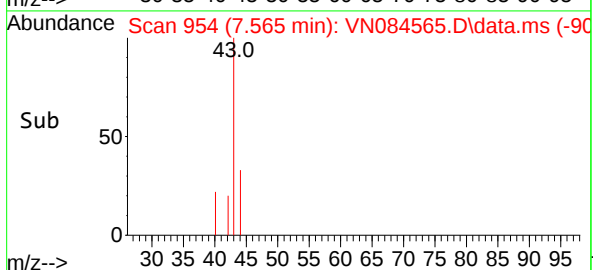
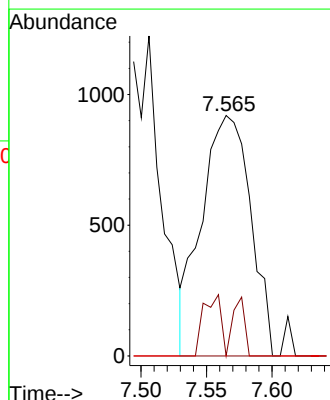
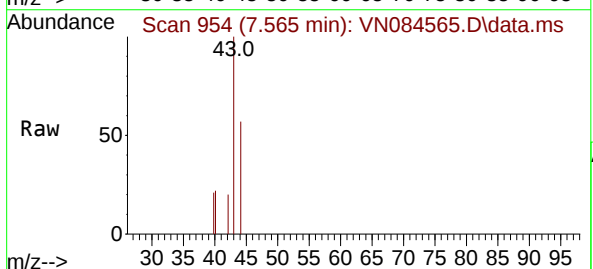
RT: 7.565 min Scan# 954

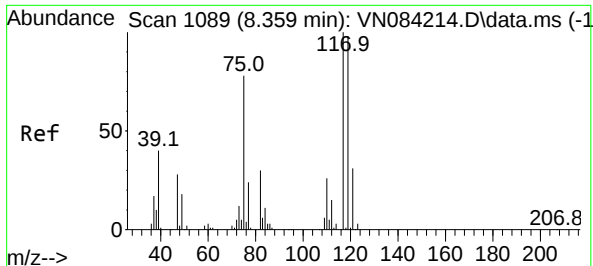
Delta R.T. 0.006 min

Lab File: VN084565.D

Acq: 29 Oct 2024 15:41

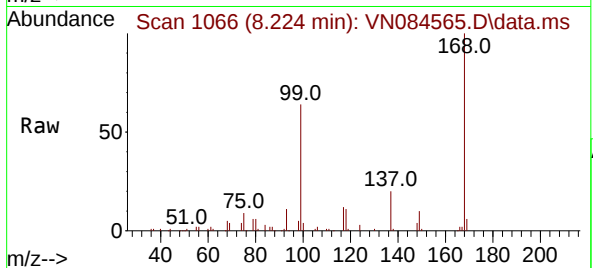
Tgt Ion:	43	Resp:	2403
Ion Ratio	Lower	Upper	
43	100		
61	9.1	10.7	16.1#
70	0.0	8.8	13.2#



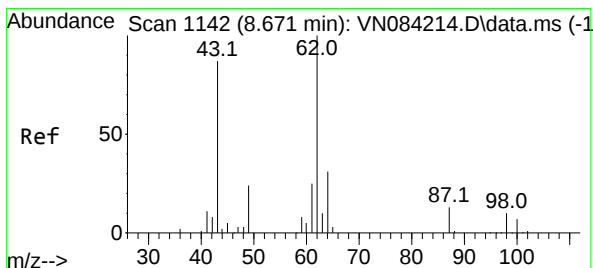
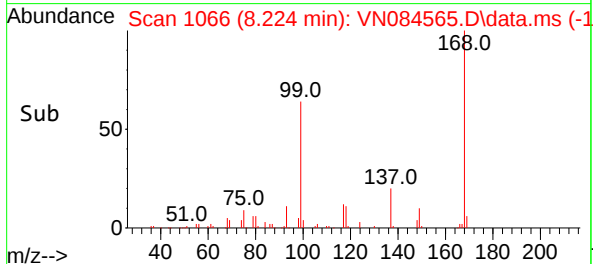
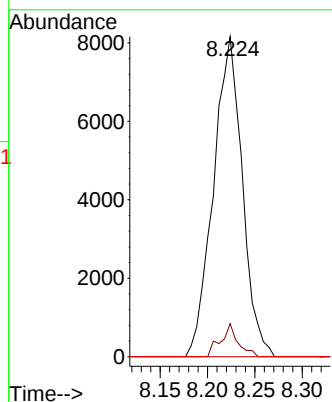


#38
Carbon Tetrachloride
Concen: 5.826 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :

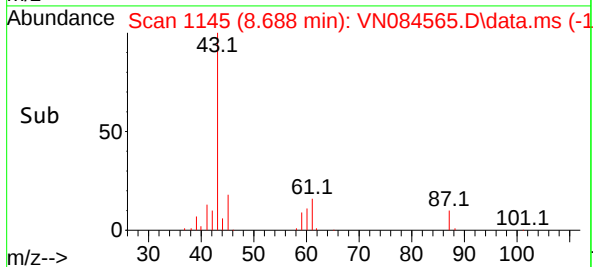
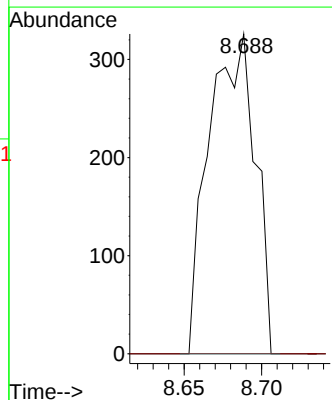
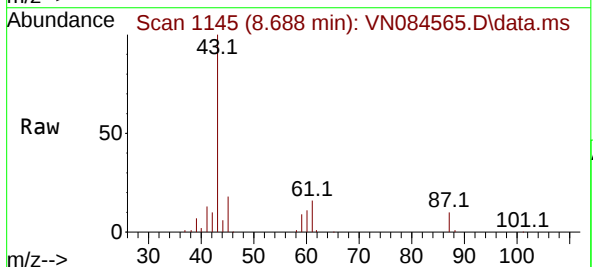


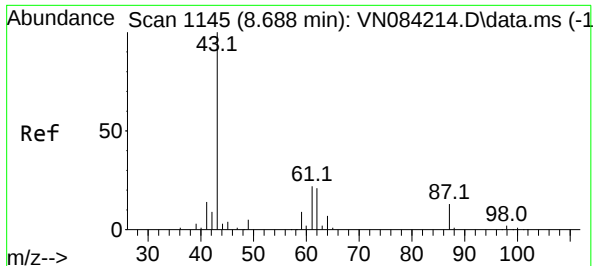
Tgt Ion:117 Resp: 17319
Ion Ratio Lower Upper
117 100
119 10.4 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.236 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Tgt Ion: 62 Resp: 676
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 29.566 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084565.D

Acq: 29 Oct 2024 15:41

Instrument :

MSVOA_N

ClientSampleId :

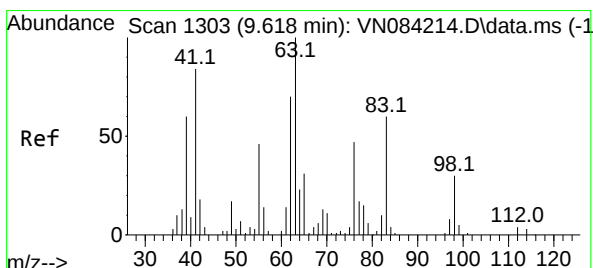
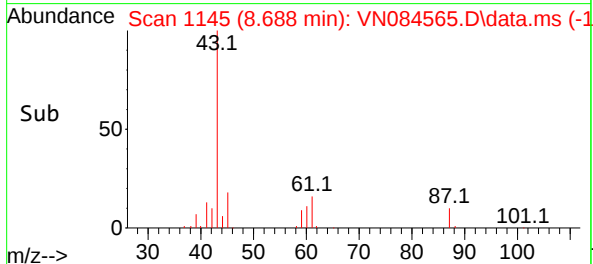
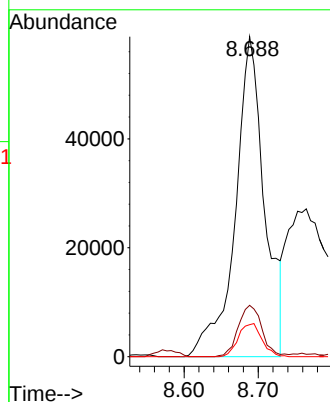
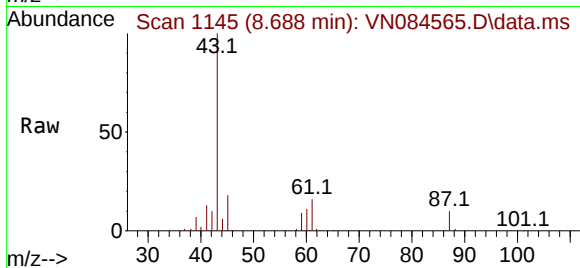
Tgt Ion: 43 Resp: 161001

Ion Ratio Lower Upper

43 100

61 13.1 20.4 30.6#

87 8.3 10.3 15.5#



#45

1,2-Dichloropropane

Concen: 0.573 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.129 min

Lab File: VN084565.D

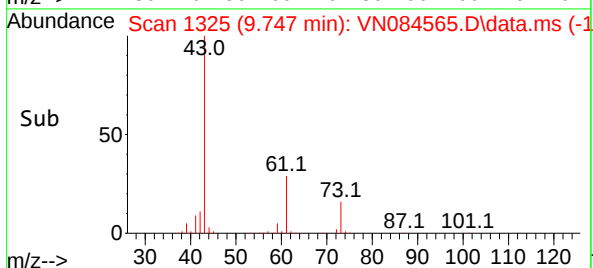
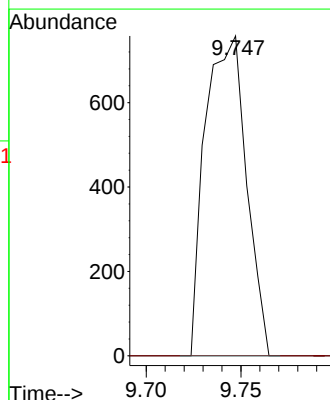
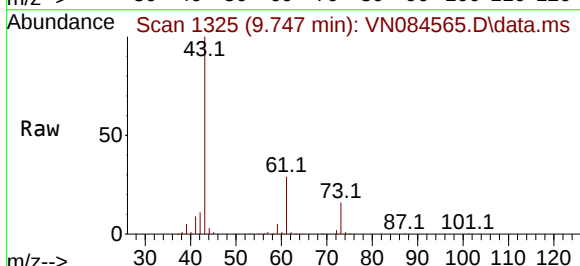
Acq: 29 Oct 2024 15:41

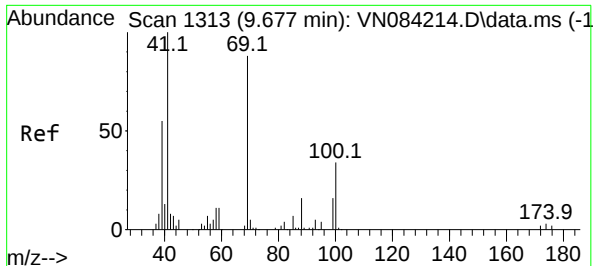
Tgt Ion: 63 Resp: 1144

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#

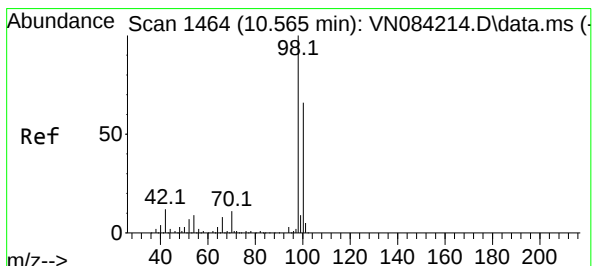
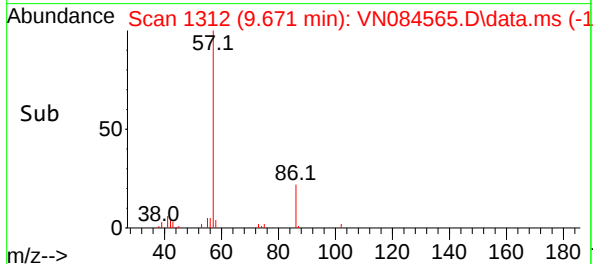
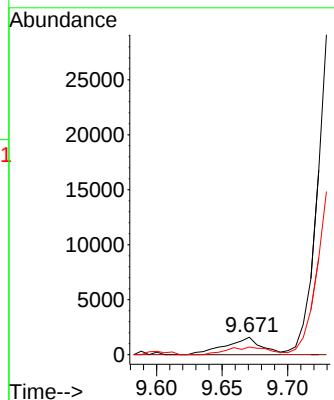
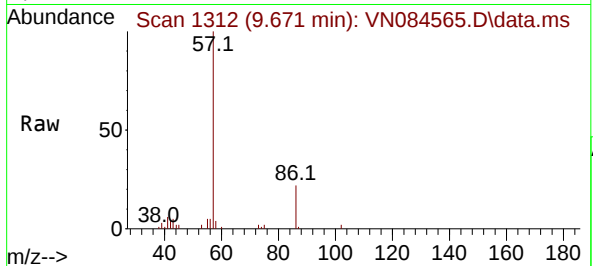




#48
Methyl methacrylate
Concen: 1.395 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

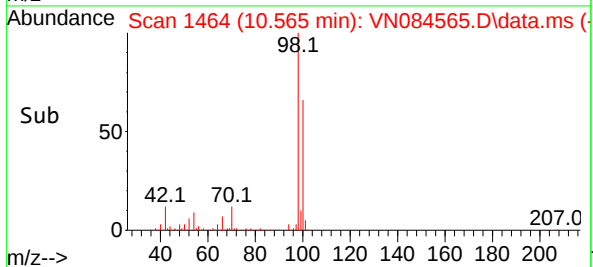
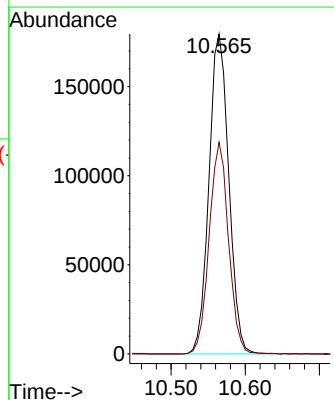
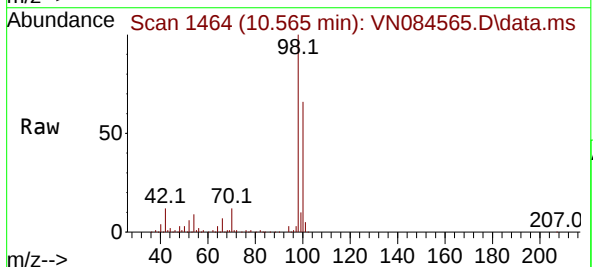
Instrument :
MSVOA_N
ClientSampleId :

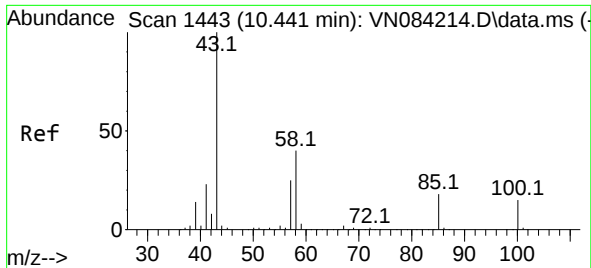
Tgt Ion: 41 Resp: 3023
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 51.7 45.8 68.6



#50
Toluene-d8
Concen: 48.589 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Tgt Ion: 98 Resp: 333504
Ion Ratio Lower Upper
98 100
100 64.7 52.7 79.1

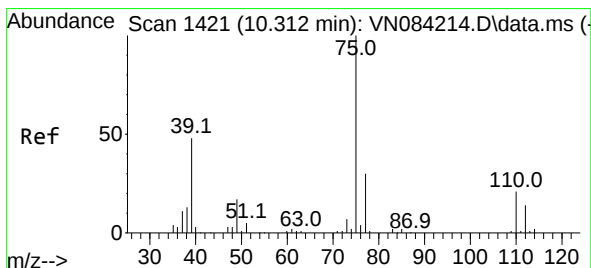
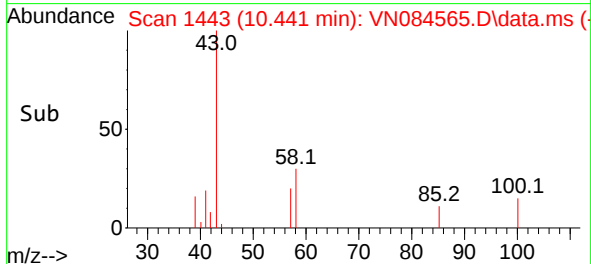
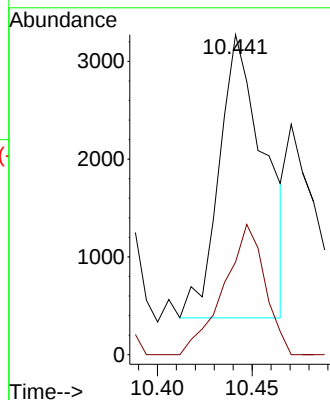
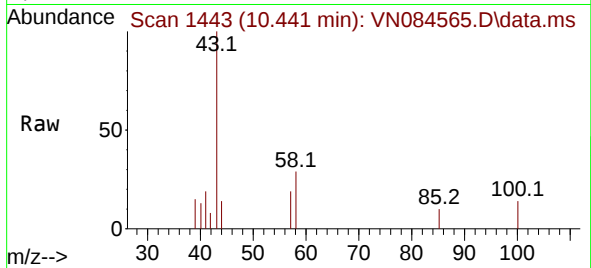




#51
4-Methyl-2-Pentanone
Concen: 1.822 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

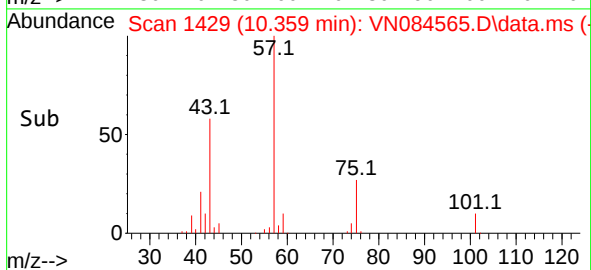
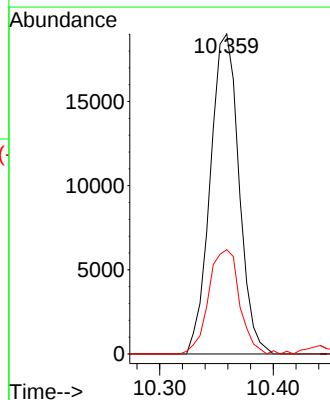
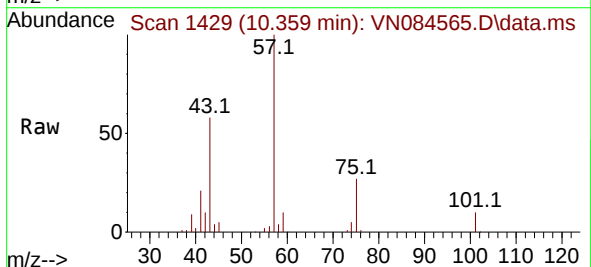
Instrument :
MSVOA_N
ClientSampleId :

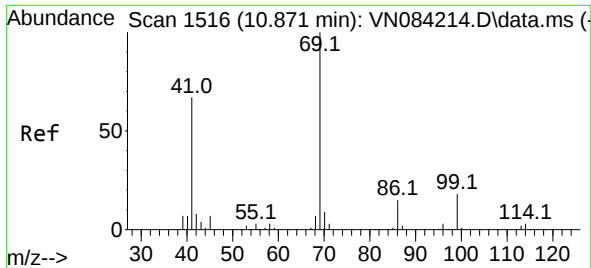
Tgt Ion: 43 Resp: 4821
Ion Ratio Lower Upper
43 100
58 41.8 31.6 47.4



#54
cis-1,3-Dichloropropene
Concen: 10.180 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Tgt Ion: 75 Resp: 33425
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 32.6 38.7 58.1#

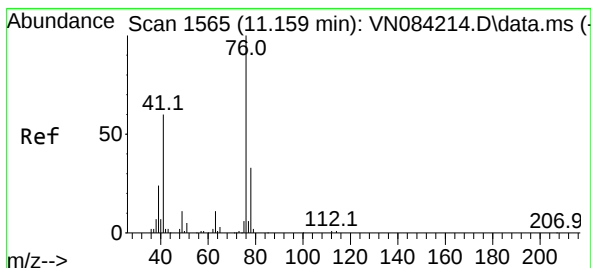
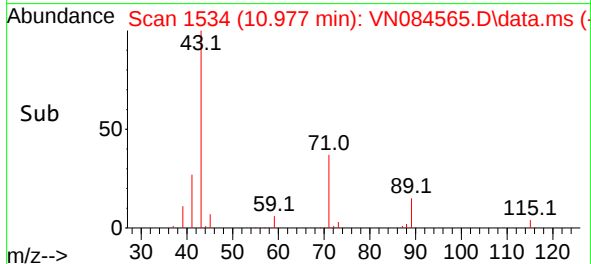
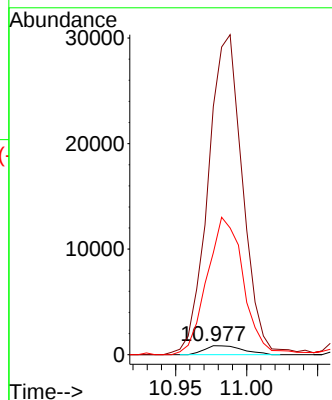
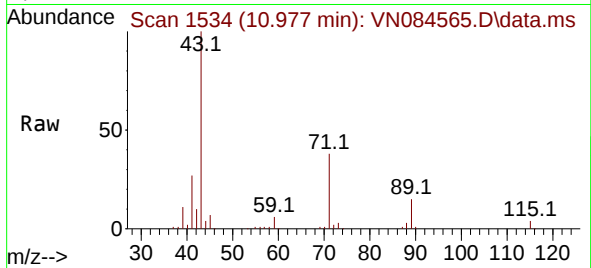




#56
Ethyl methacrylate
Concen: 0.526 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

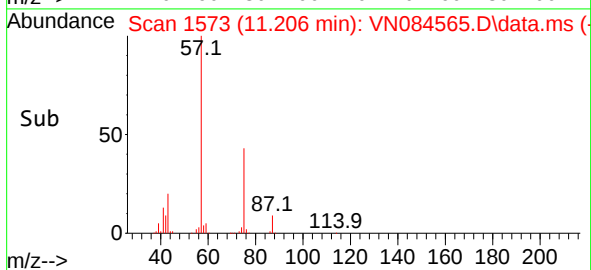
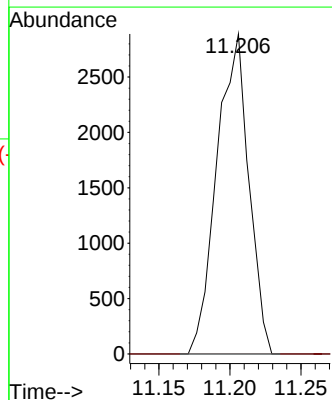
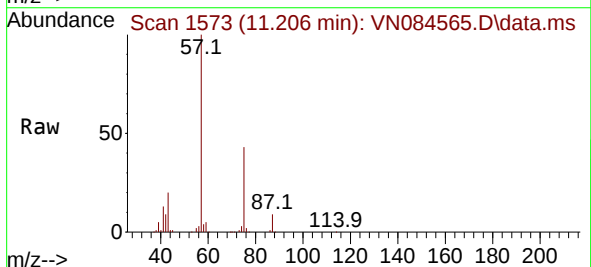
Instrument :
MSVOA_N
ClientSampleId :

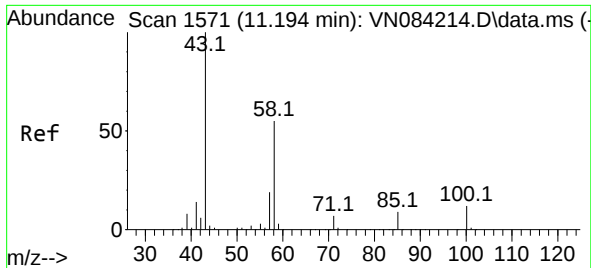
Tgt Ion: 69 Resp: 1599
Ion Ratio Lower Upper
69 100
41 3221.1 53.3 79.9#
39 1465.2 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.369 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Tgt Ion: 76 Resp: 4516
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

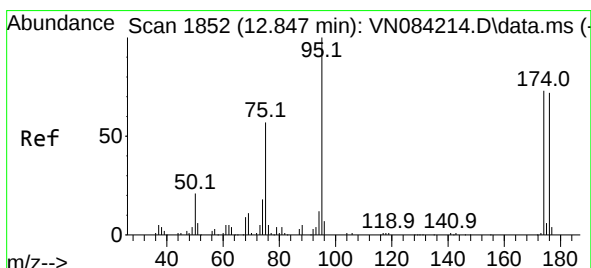
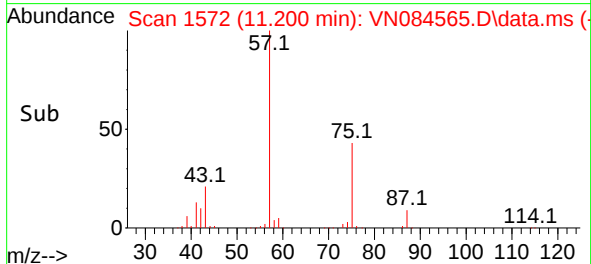
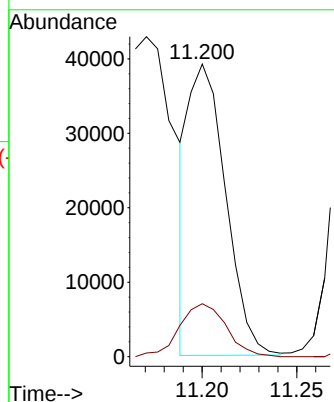
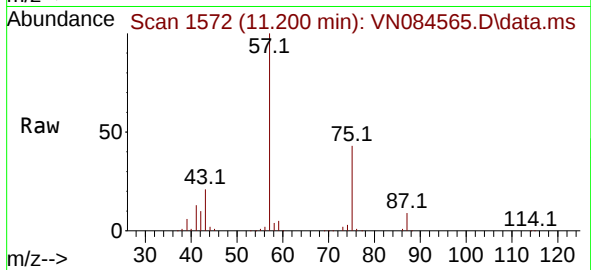




#59
2-Hexanone
Concen: 27.022 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

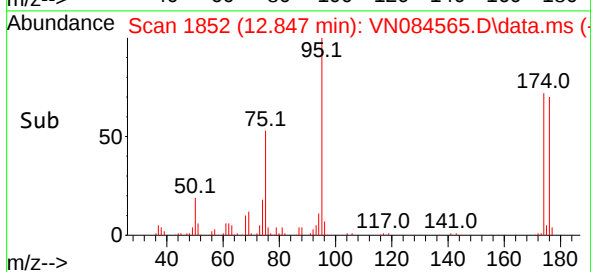
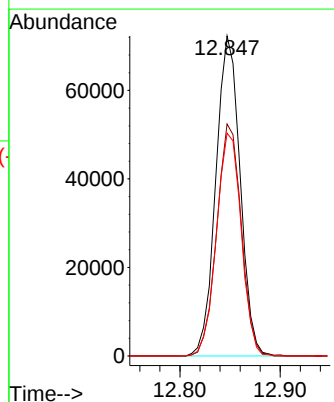
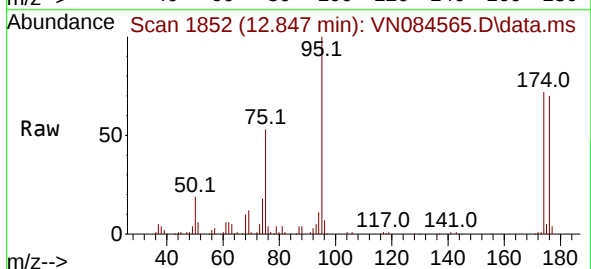
Instrument :
MSVOA_N
ClientSampleId :

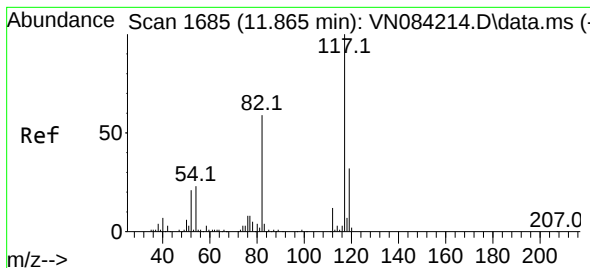
Tgt Ion: 43 Resp: 53452
Ion Ratio Lower Upper
43 100
58 22.9 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 48.438 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

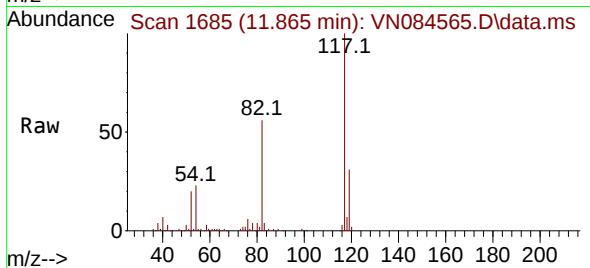
Tgt Ion: 95 Resp: 121123
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.2
176 71.0 0.0 140.0



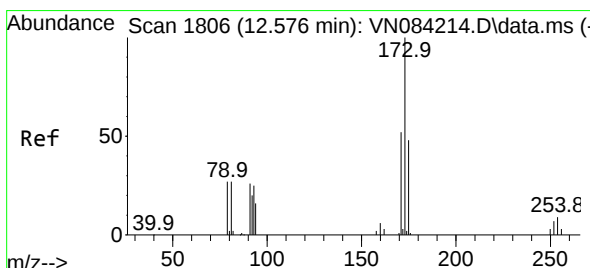
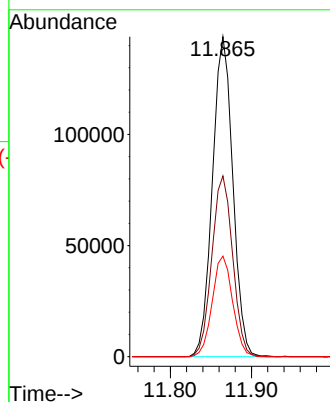
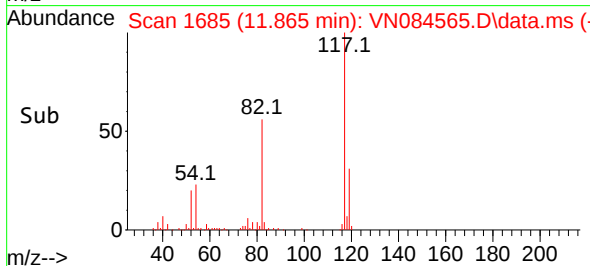


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :

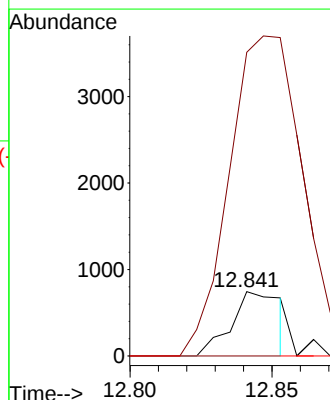
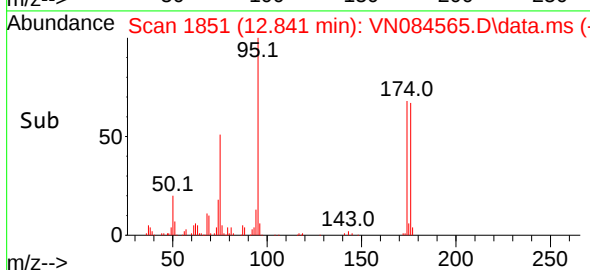
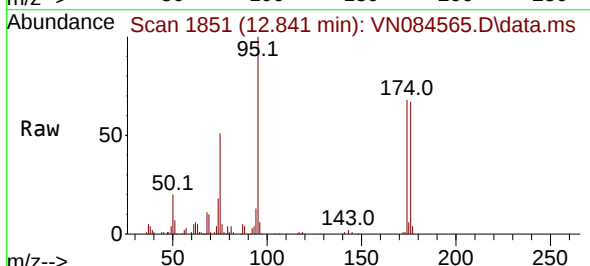


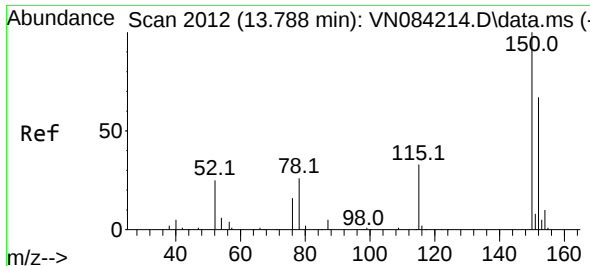
Tgt Ion:117 Resp: 251597
Ion Ratio Lower Upper
117 100
82 56.5 47.2 70.8
119 31.5 25.4 38.0



#71
Bromoform
Concen: 0.646 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

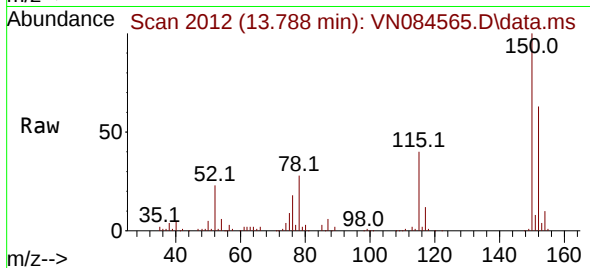
Tgt Ion:173 Resp: 914
Ion Ratio Lower Upper
173 100
175 550.4 23.5 70.6#
254 0.0 0.0 0.0



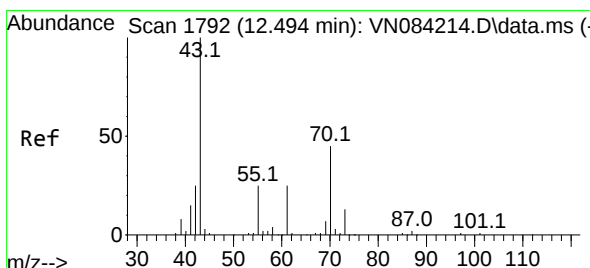
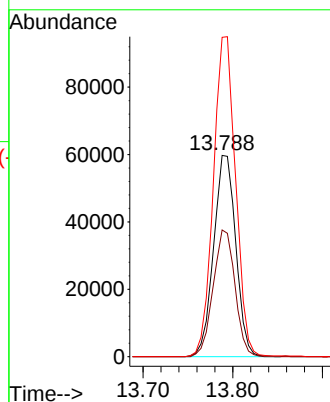
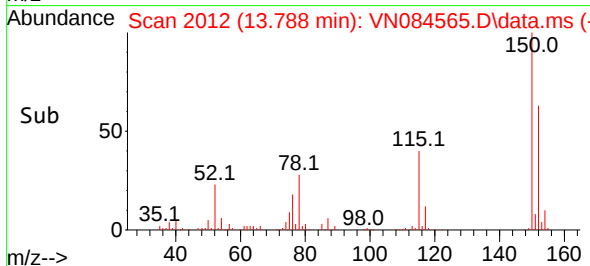


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN084565.D
 Acq: 29 Oct 2024 15:41

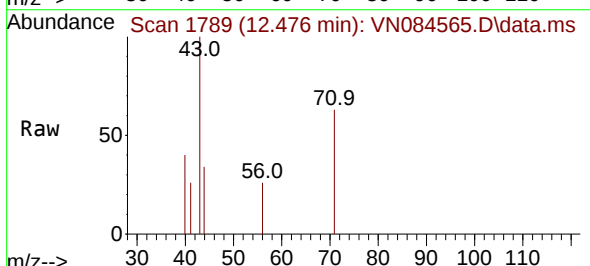
Instrument :
 MSVOA_N
 ClientSampleId :



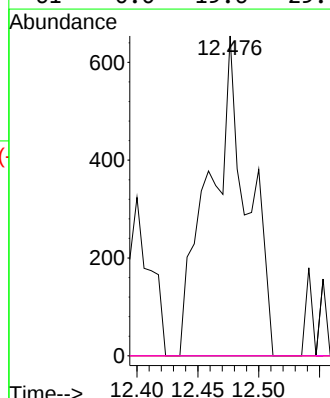
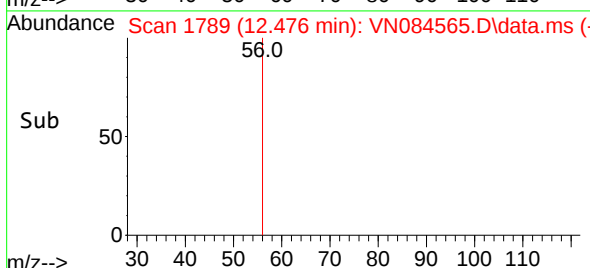
Tgt Ion:152 Resp: 102583
 Ion Ratio Lower Upper
 152 100
 115 61.8 31.3 93.9
 150 159.3 0.0 349.8

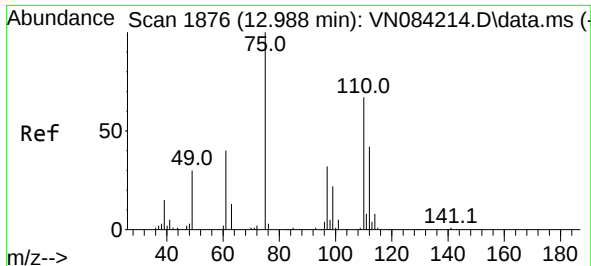


#74
 N-ethyl acetate
 Concen: 0.400 ug/l
 RT: 12.476 min Scan# 1789
 Delta R.T. -0.018 min
 Lab File: VN084565.D
 Acq: 29 Oct 2024 15:41



Tgt Ion: 43 Resp: 1417
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.4 51.6#
 55 0.0 19.6 29.4#
 61 0.0 19.6 29.4#

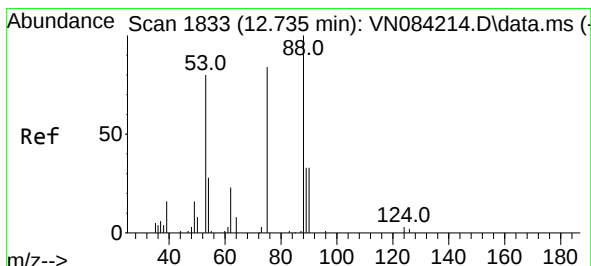
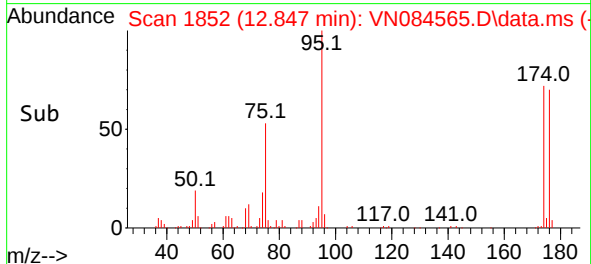
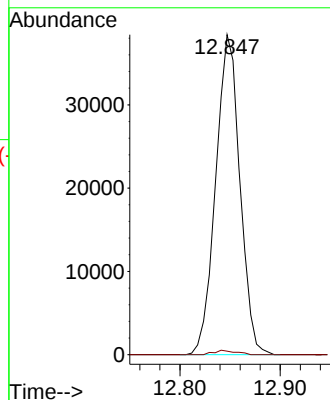
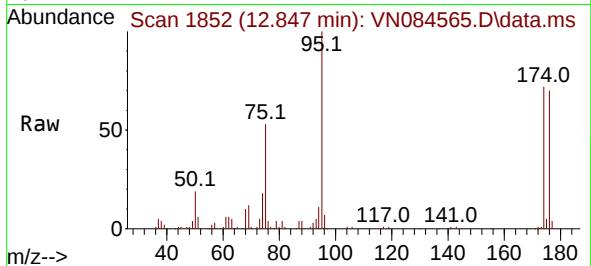




#76
1,2,3-Trichloropropane
Concen: 30.639 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 64167
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.457 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084565.D
Acq: 29 Oct 2024 15:41

Tgt Ion: 75 Resp: 64167
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

