

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084668.D
 Acq On : 04 Nov 2024 19:30
 Operator : JC\MD
 Sample : P4680-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:34:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

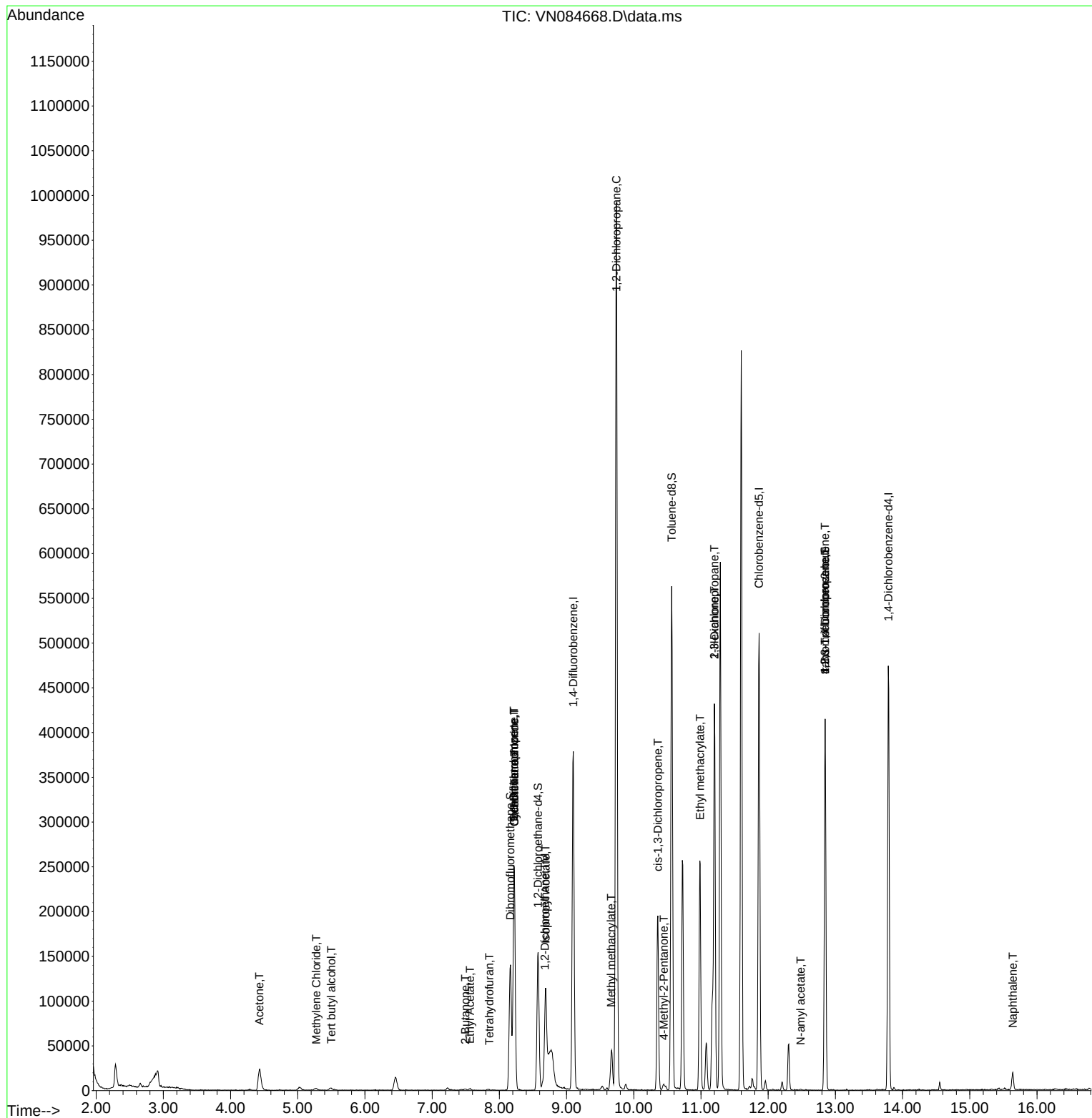
Internal Standards						
1) Pentafluorobenzene	8.218	168	180438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	323143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126386	48.496	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.000%		
35) Dibromofluoromethane	8.165	113	103893	47.499	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.000%		
50) Toluene-d8	10.565	98	387350	48.075	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.140%		
62) 4-Bromofluorobenzene	12.847	95	144603	48.021	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.040%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	664	Below Cal	#	41
11) Tert butyl alcohol	5.500	59	2607	7.578	ug/l #	73
16) Acetone	4.430	43	46156	59.134	ug/l	99
18) Methyl Acetate	5.030	43	6942	Below Cal	#	89
20) Methylene Chloride	5.277	84	1757	0.767	ug/l #	55
25) 2-Butanone	7.494	43	2655	2.184	ug/l #	78
29) Tetrahydrofuran	7.853	42	523	0.648	ug/l #	34
31) Cyclohexane	8.224	56	3769	1.048	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14723	4.853	ug/l #	51
37) Ethyl Acetate	7.565	43	3055	1.110	ug/l #	84
38) Carbon Tetrachloride	8.224	117	18663	5.504	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	690	0.219	ug/l #	75
43) Isopropyl Acetate	8.688	43	145364	28.167	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	1170	0.512	ug/l #	44
48) Methyl methacrylate	9.665	41	2636	1.231	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	8767	3.341	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	35514	9.537	ug/l #	59
56) Ethyl methacrylate	10.988	69	1150	0.370	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4592	1.247	ug/l #	42
59) 2-Hexanone	11.200	43	53162	27.837	ug/l #	57
74) N-amyl acetate	12.482	43	1115	0.298	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	74102	29.568	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74102	70.148	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	54	Below Cal	#	1
95) Naphthalene	15.641	128	19431	2.678	ug/l	96

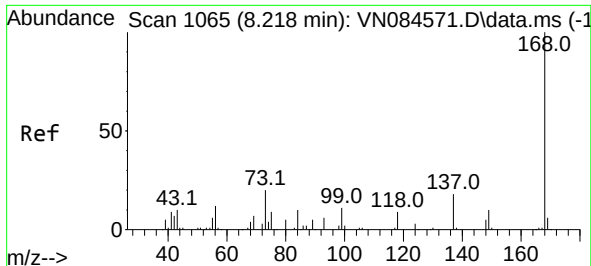
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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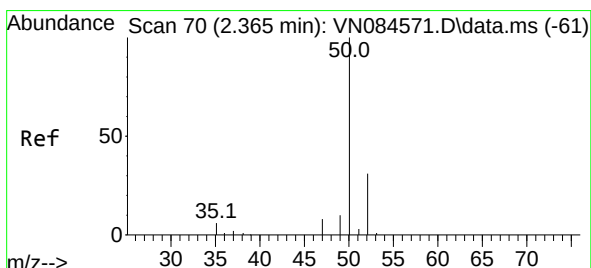
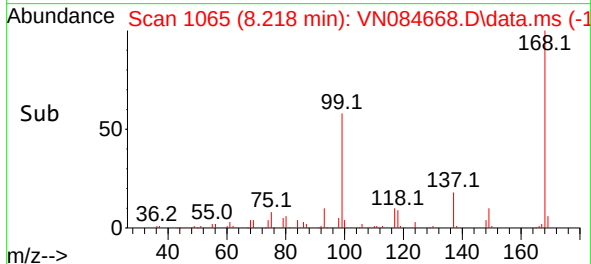
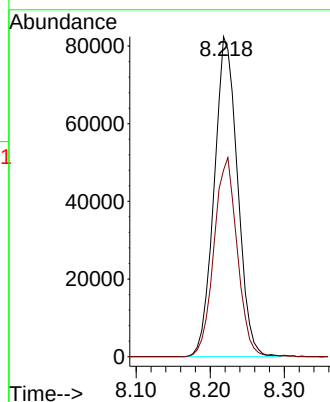
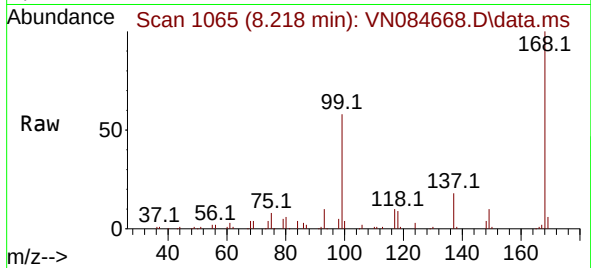




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

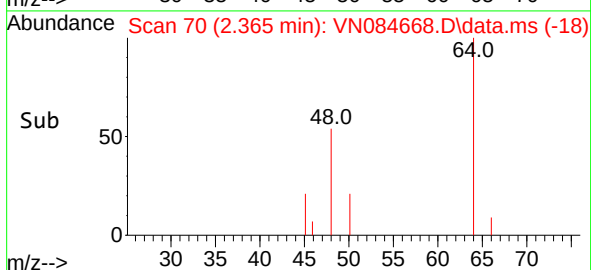
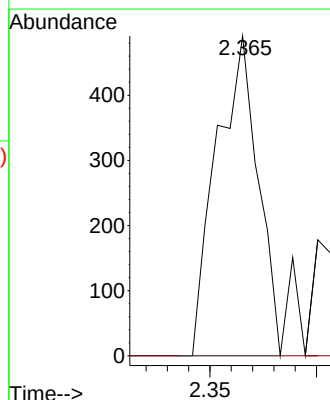
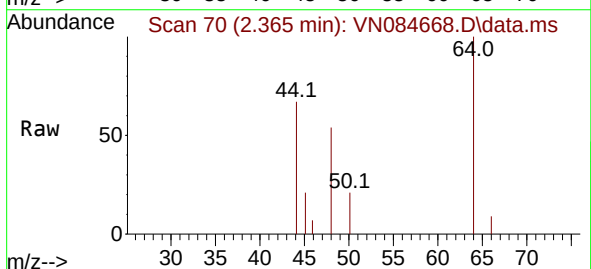
Instrument :
MSVOA_N
ClientSampleId :

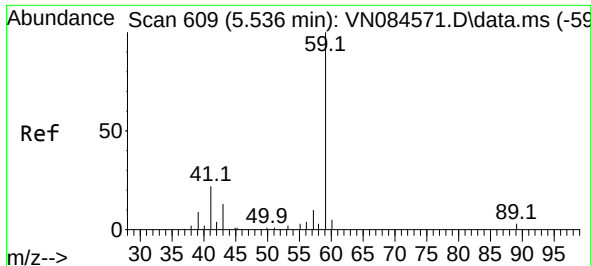
Tgt Ion:168 Resp: 180438
Ion Ratio Lower Upper
168 100
99 58.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Tgt Ion: 50 Resp: 664
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

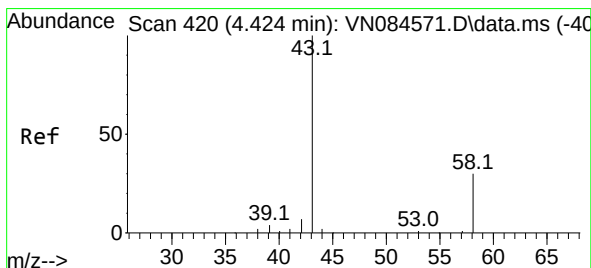
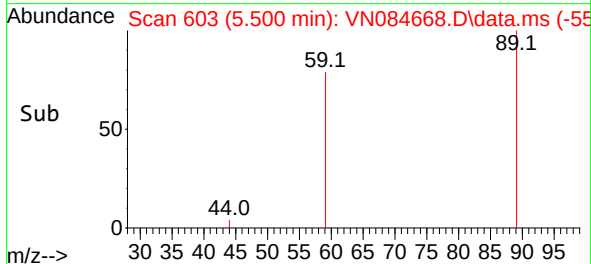
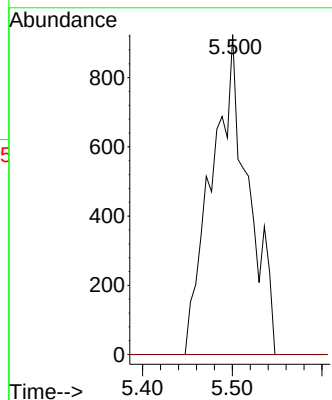
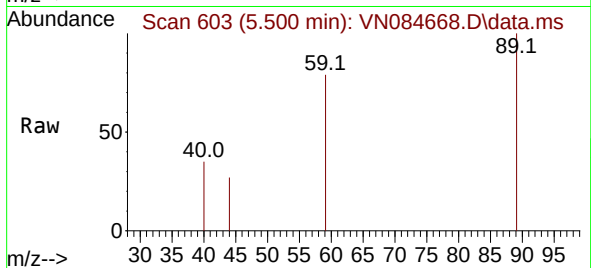




#11
Tert butyl alcohol
Concen: 7.578 ug/l
RT: 5.500 min Scan# 609
Delta R.T. -0.023 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

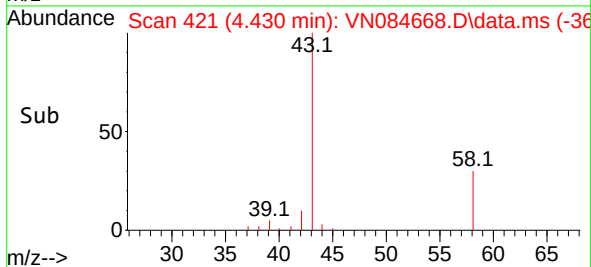
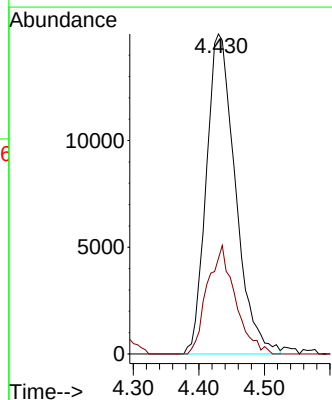
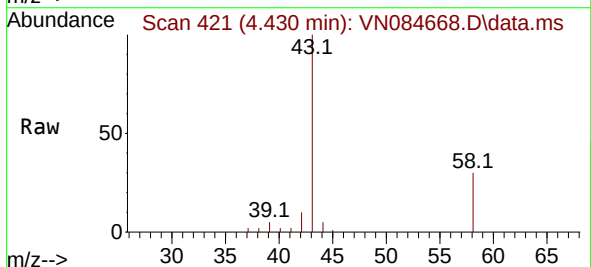
Instrument :
MSVOA_N
ClientSampleId :

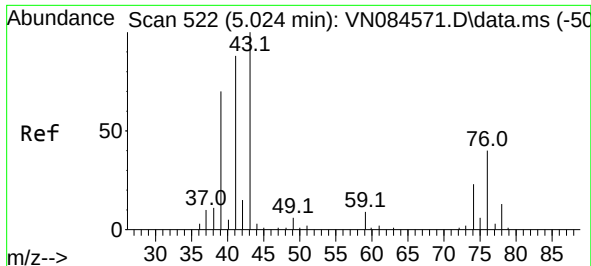
Tgt Ion: 59 Resp: 2607
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 59.134 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Tgt Ion: 43 Resp: 46156
Ion Ratio Lower Upper
43 100
58 29.9 24.4 36.6

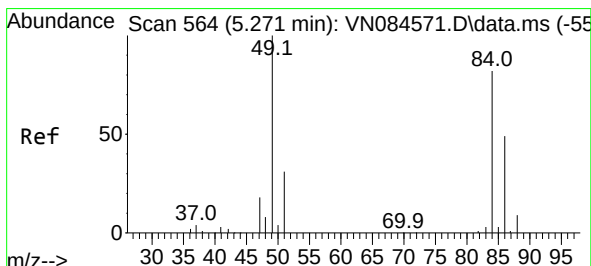
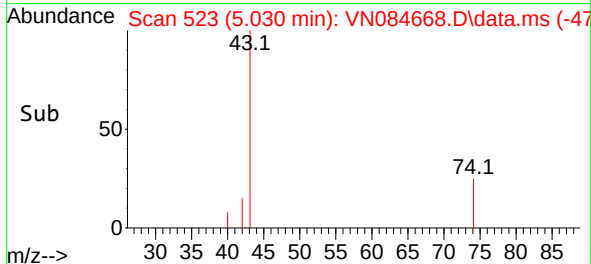
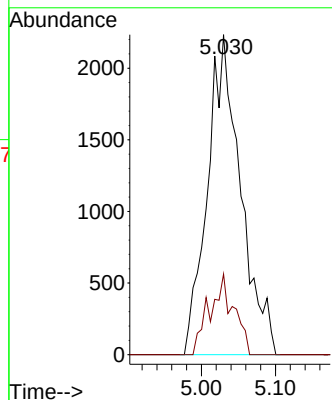
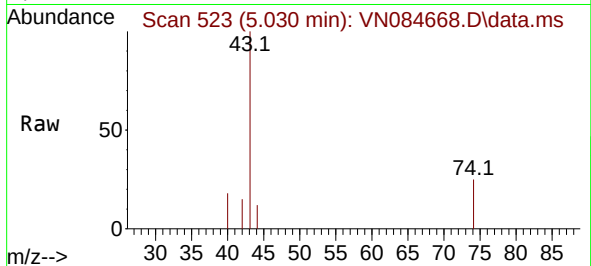




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

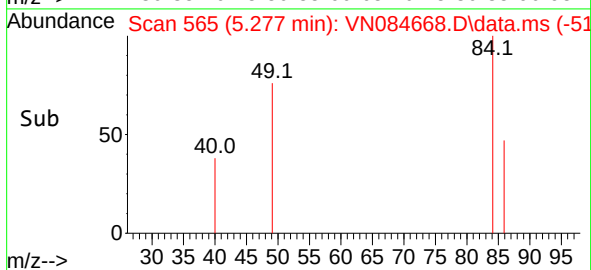
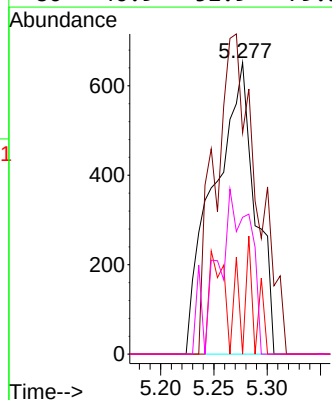
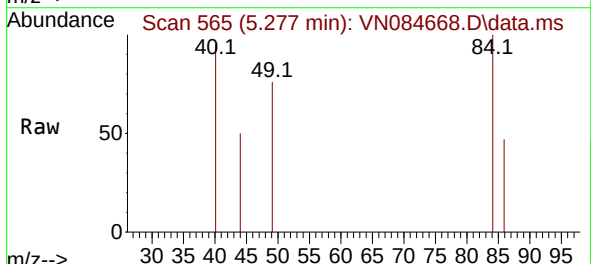
Instrument :
MSVOA_N
ClientSampleId :

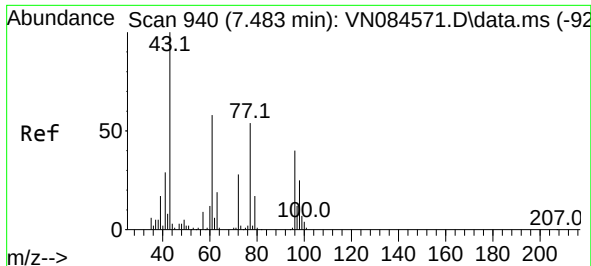
Tgt Ion: 43 Resp: 6942
Ion Ratio Lower Upper
43 100
74 18.4 19.2 28.8#



#20
Methylene Chloride
Concen: 0.767 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Tgt Ion: 84 Resp: 1757
Ion Ratio Lower Upper
84 100
49 75.9 107.2 160.8#
51 0.0 31.8 47.8#
86 46.9 52.9 79.3#

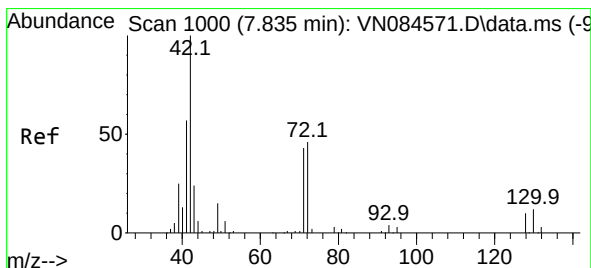
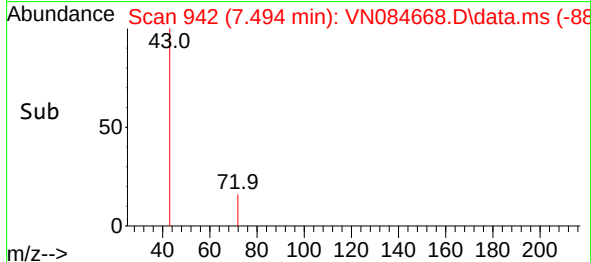
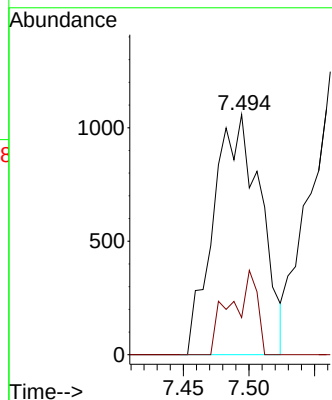
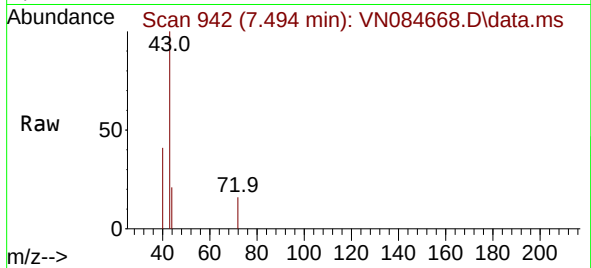




#25
2-Butanone
Concen: 2.184 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

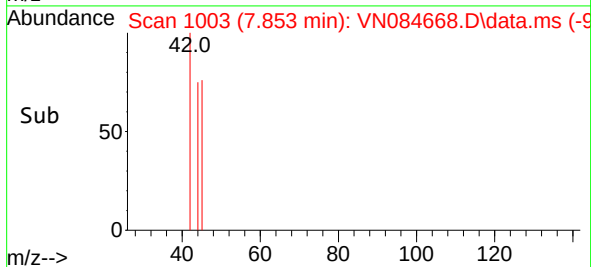
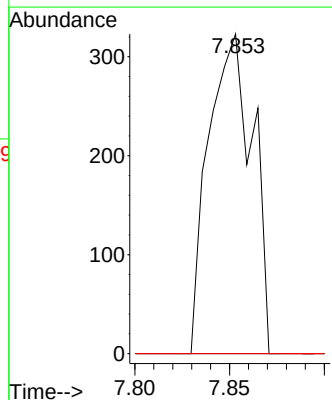
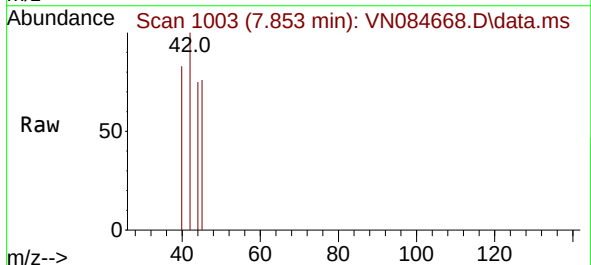
Instrument :
MSVOA_N
ClientSampleId :

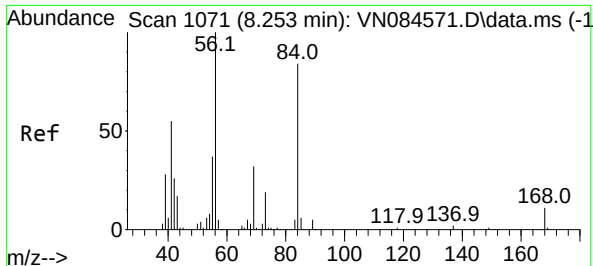
Tgt Ion: 43 Resp: 2655
Ion Ratio Lower Upper
43 100
72 15.5 21.4 32.2#



#29
Tetrahydrofuran
Concen: 0.648 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

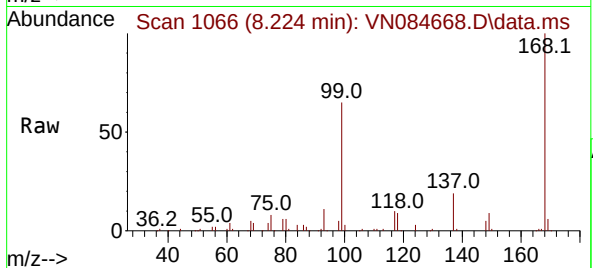
Tgt Ion: 42 Resp: 523
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#



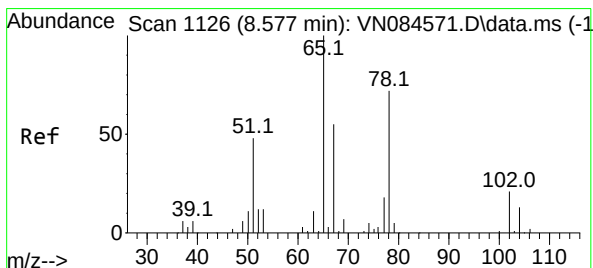
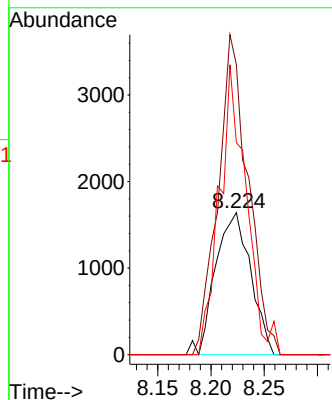
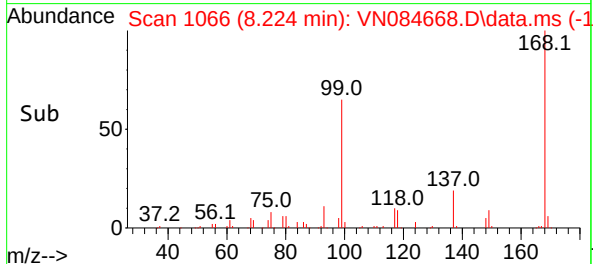


#31
Cyclohexane
Concen: 1.048 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

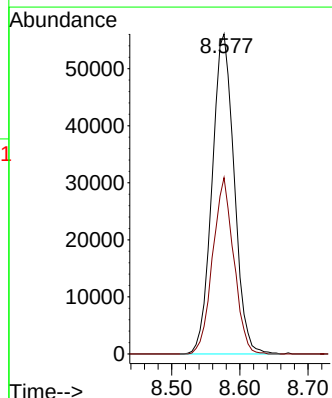
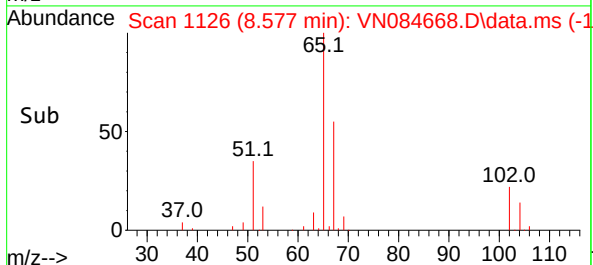
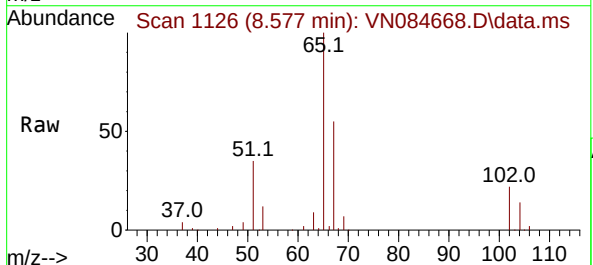


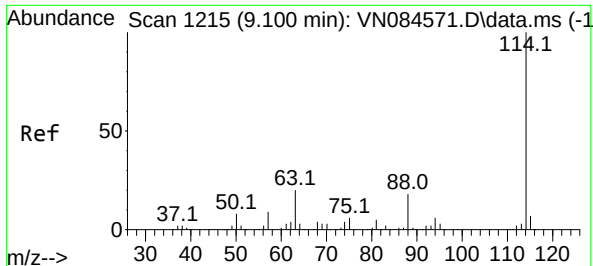
Tgt Ion: 56 Resp: 3769
Ion Ratio Lower Upper
56 100
69 204.1 23.8 35.6#
84 149.2 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.496 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Tgt Ion: 65 Resp: 126386
Ion Ratio Lower Upper
65 100
67 52.6 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: VN084668.D

Acq: 04 Nov 2024 19:30

Instrument :

MSVOA_N

ClientSampleId :

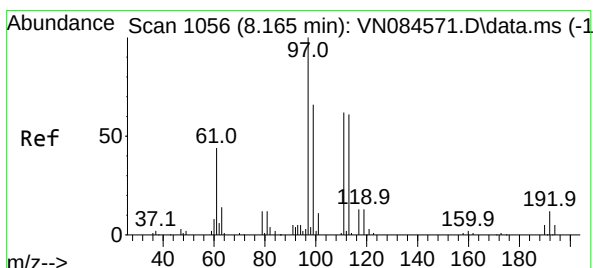
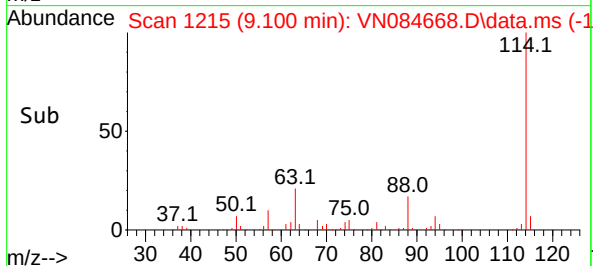
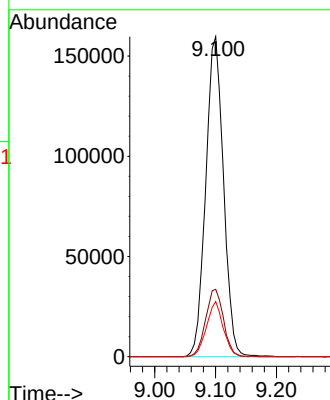
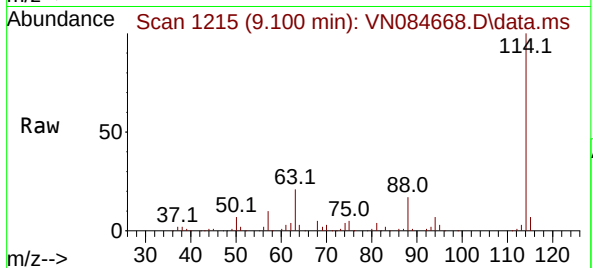
Tgt Ion:114 Resp: 323143

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.8

88 17.2 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.499 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084668.D

Acq: 04 Nov 2024 19:30

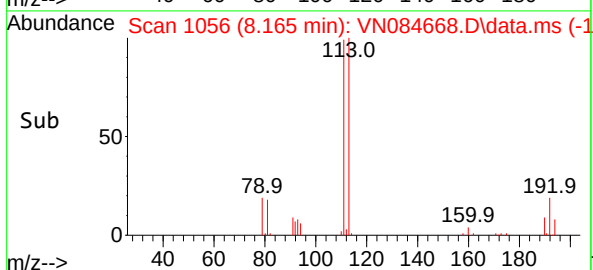
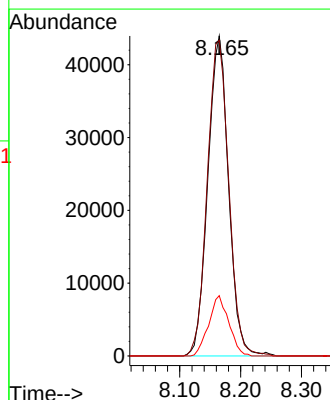
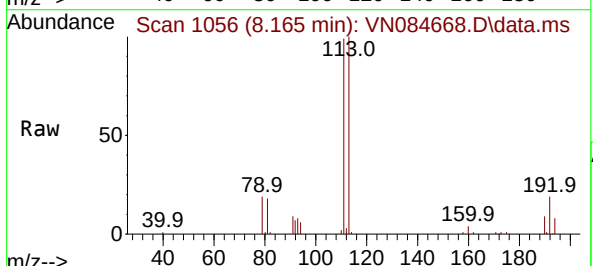
Tgt Ion:113 Resp: 103893

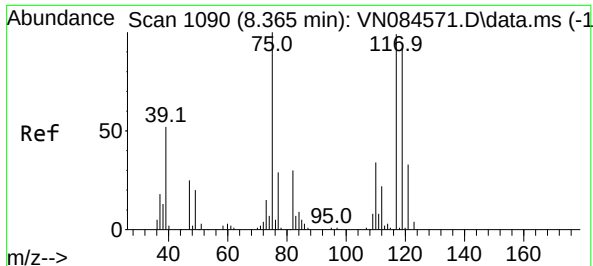
Ion Ratio Lower Upper

113 100

111 101.9 83.3 124.9

192 18.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.853 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

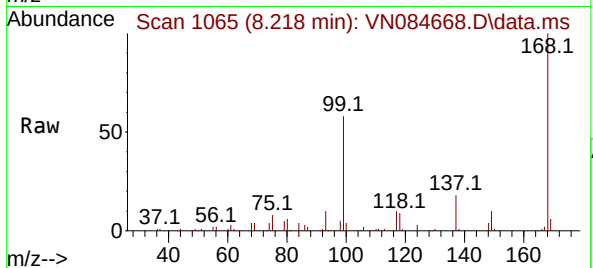
Lab File: VN084668.D

Acq: 04 Nov 2024 19:30

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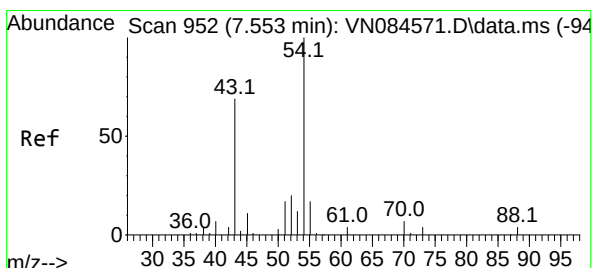
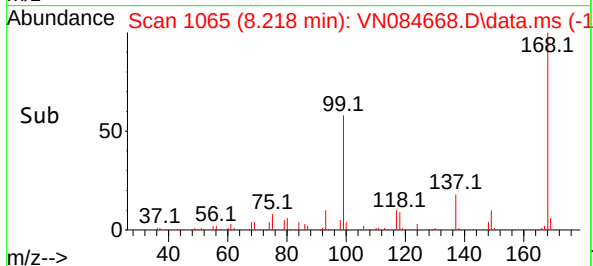
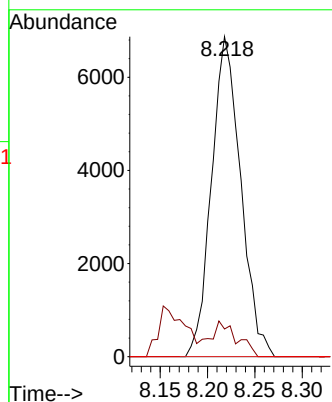
Tgt Ion: 75 Resp: 14723

Ion Ratio Lower Upper

75 100

110 9.5 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.110 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN084668.D

Acq: 04 Nov 2024 19:30

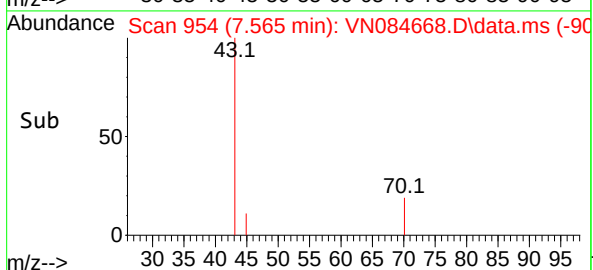
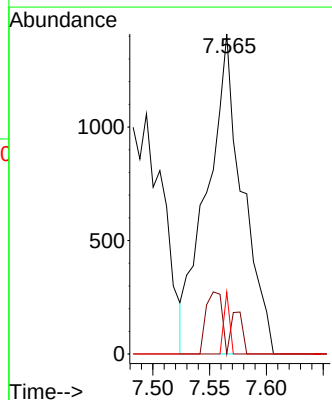
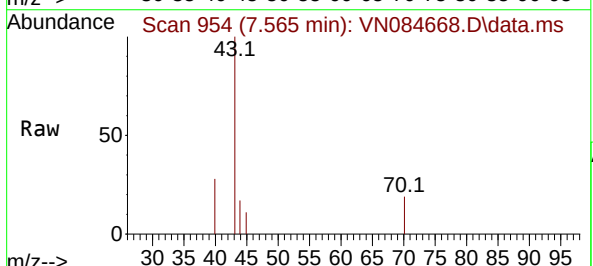
Tgt Ion: 43 Resp: 3055

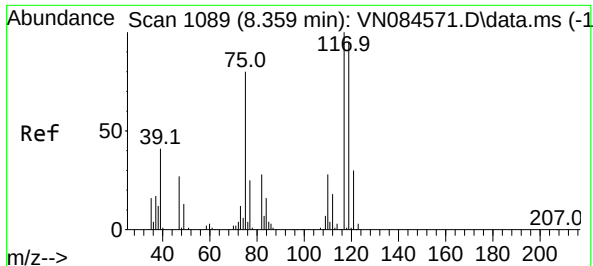
Ion Ratio Lower Upper

43 100

61 8.7 10.7 16.1#

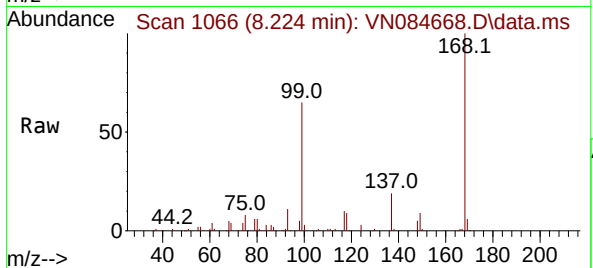
70 3.1 8.8 13.2#



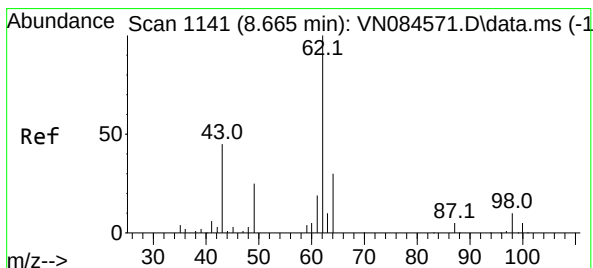
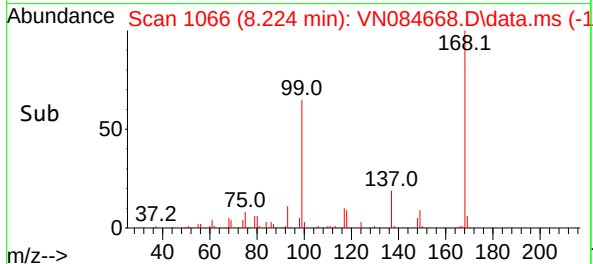
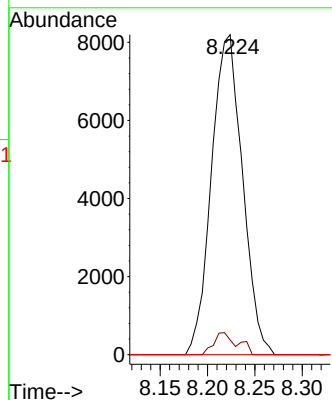


#38
Carbon Tetrachloride
Concen: 5.504 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

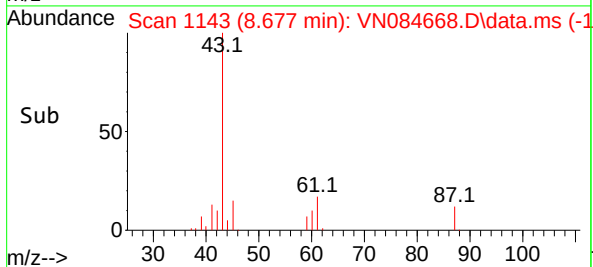
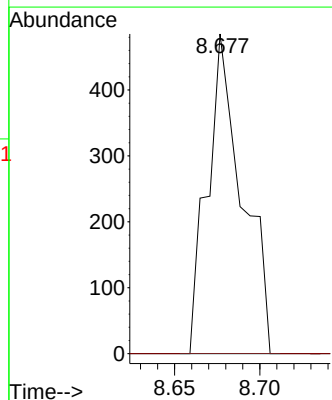
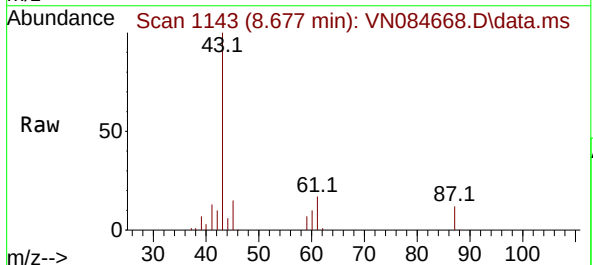


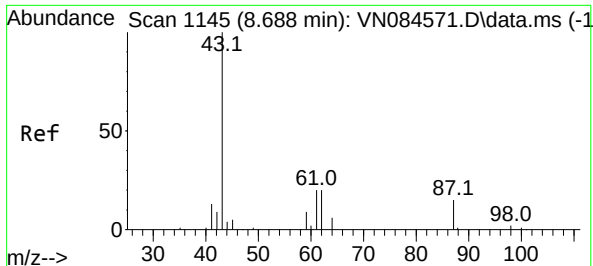
Tgt Ion:117 Resp: 18663
Ion Ratio Lower Upper
117 100
119 4.6 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.219 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Tgt Ion: 62 Resp: 690
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

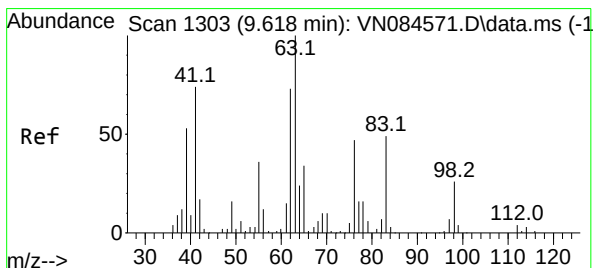
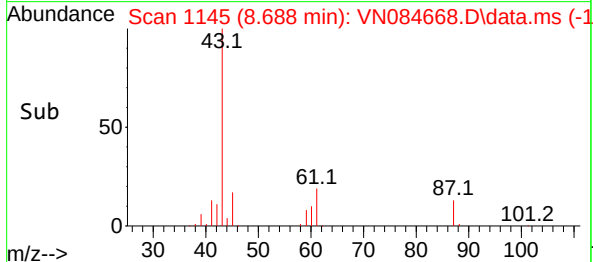
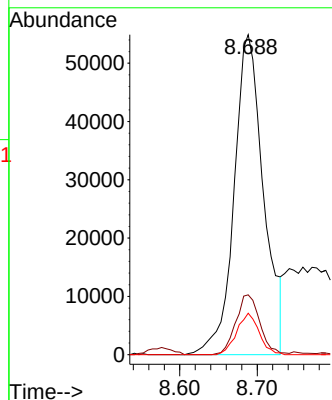
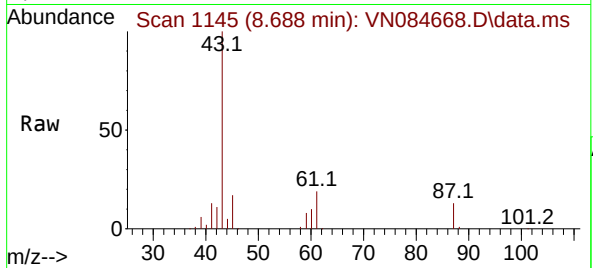




#43
Isopropyl Acetate
Concen: 28.167 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

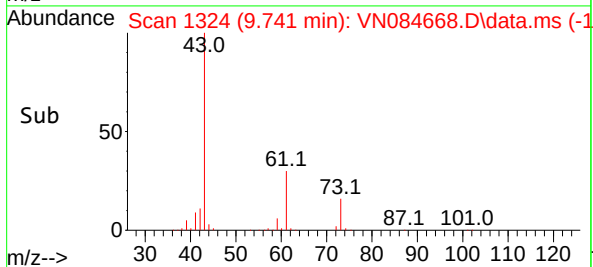
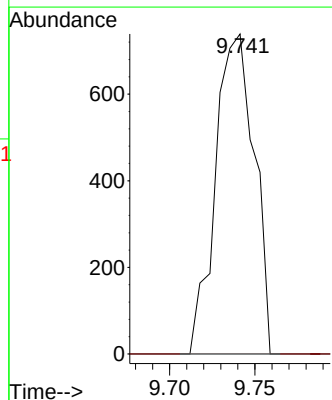
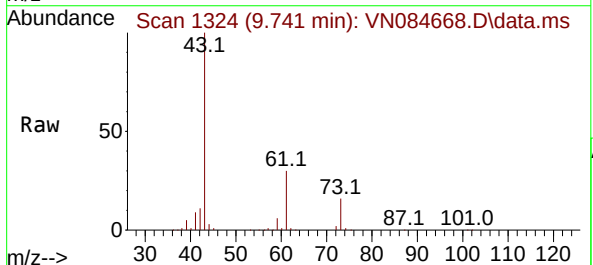
Instrument :
MSVOA_N
ClientSampleId :

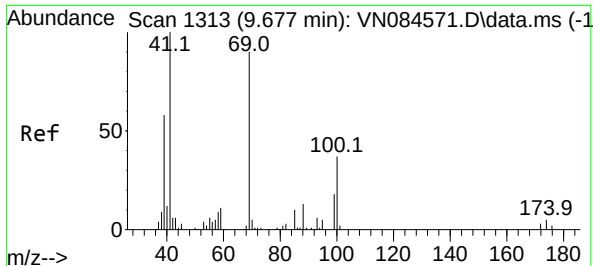
Tgt Ion: 43 Resp: 145364
Ion Ratio Lower Upper
43 100
61 15.3 20.4 30.6#
87 9.8 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.512 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Tgt Ion: 63 Resp: 1170
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.231 ug/l

RT: 9.665 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN084668.D

Acq: 04 Nov 2024 19:30

Instrument :

MSVOA_N

ClientSampleId :

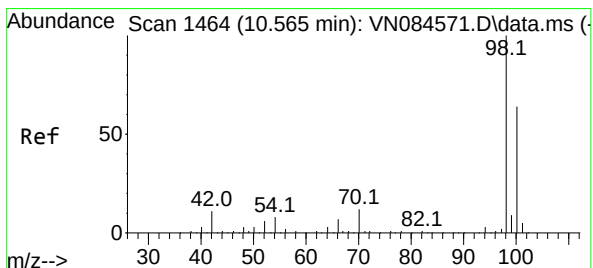
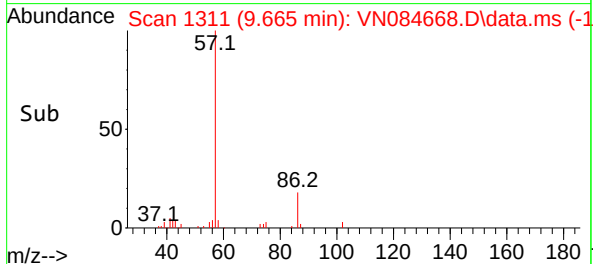
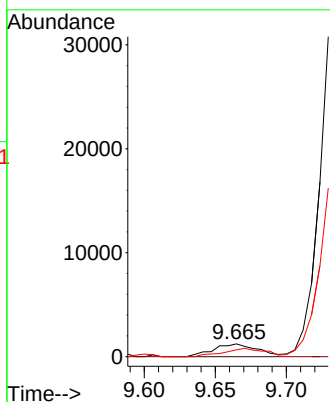
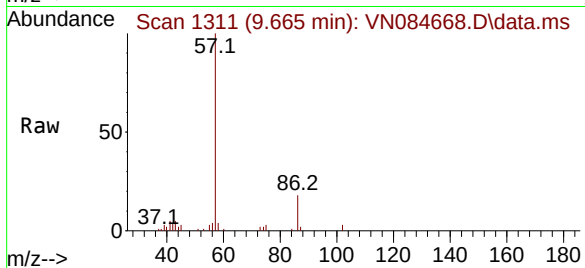
Tgt Ion: 41 Resp: 2636

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 61.5 45.8 68.6



#50

Toluene-d8

Concen: 48.075 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084668.D

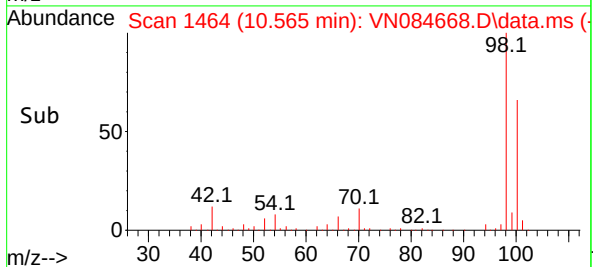
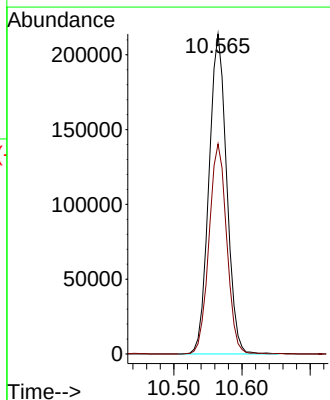
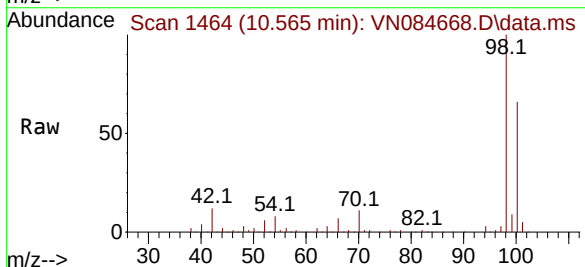
Acq: 04 Nov 2024 19:30

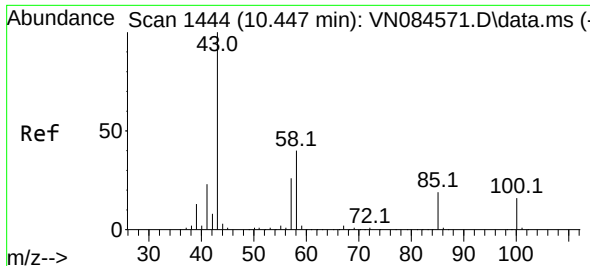
Tgt Ion: 98 Resp: 387350

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1

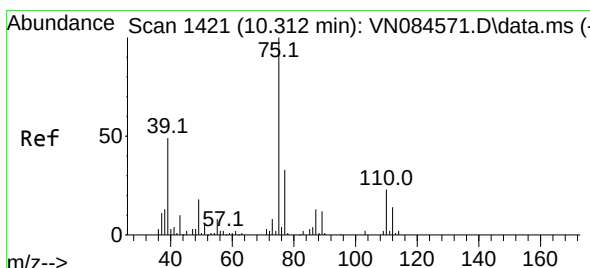
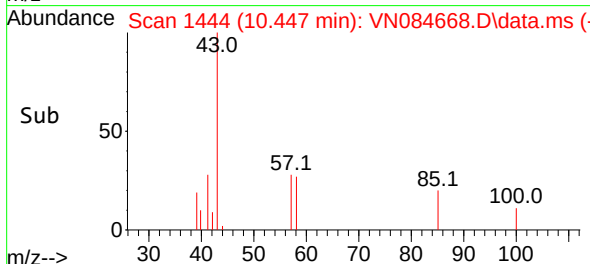
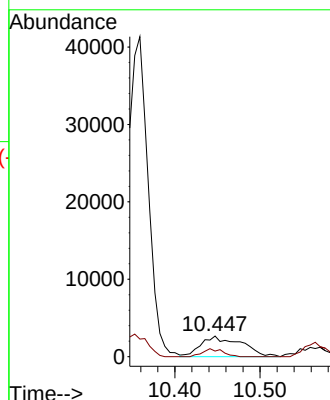
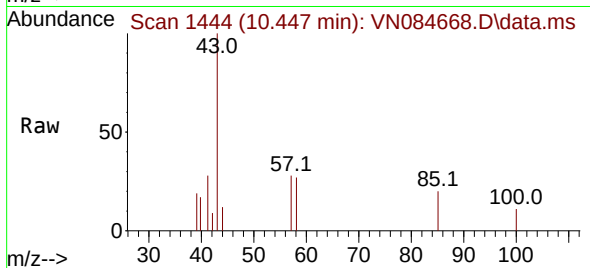




#51
4-Methyl-2-Pentanone
Concen: 3.341 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

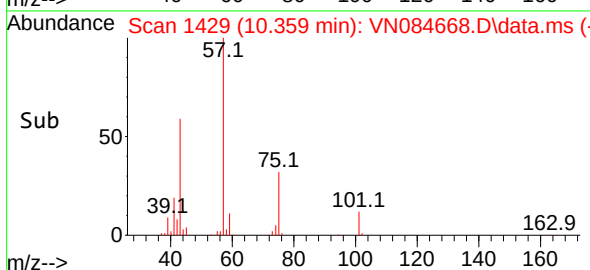
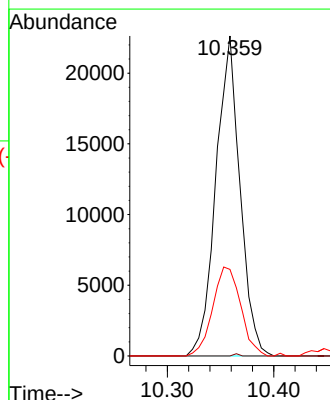
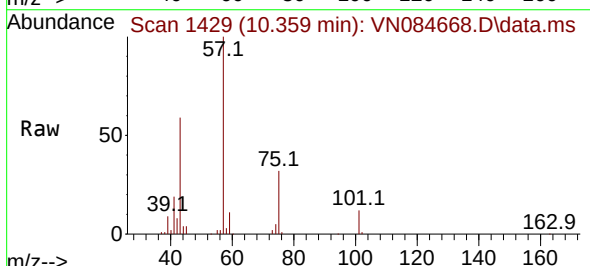
Instrument :
MSVOA_N
ClientSampleId :

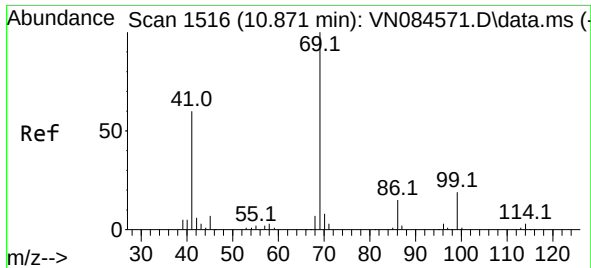
Tgt Ion: 43 Resp: 8767
Ion Ratio Lower Upper
43 100
58 19.2 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 9.537 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Tgt Ion: 75 Resp: 35514
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 27.0 38.7 58.1#

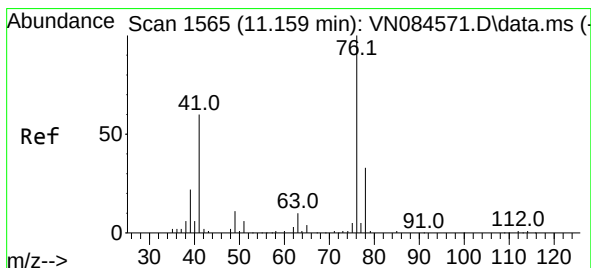
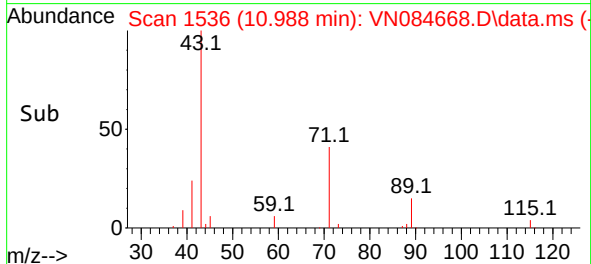
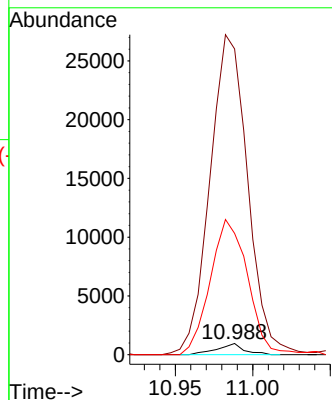
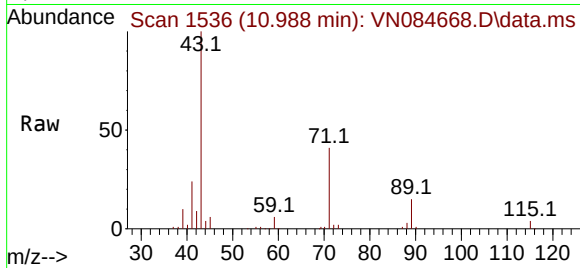




#56
Ethyl methacrylate
Concen: 0.370 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

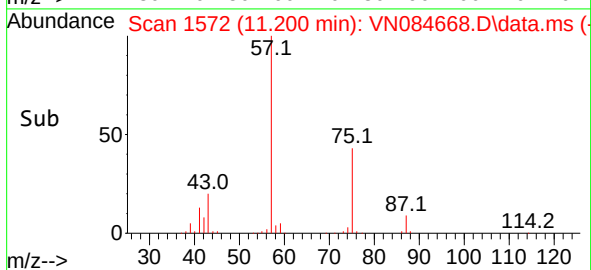
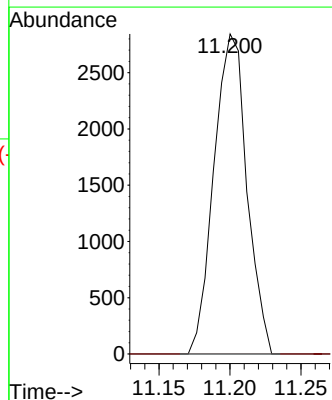
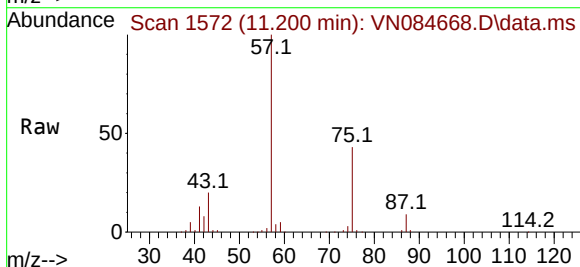
Instrument :
MSVOA_N
ClientSampleId :

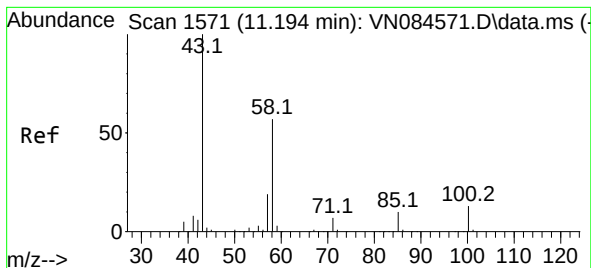
Tgt Ion: 69 Resp: 1150
Ion Ratio Lower Upper
69 100
41 4018.6 53.3 79.9#
39 1695.8 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.247 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Tgt Ion: 76 Resp: 4592
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

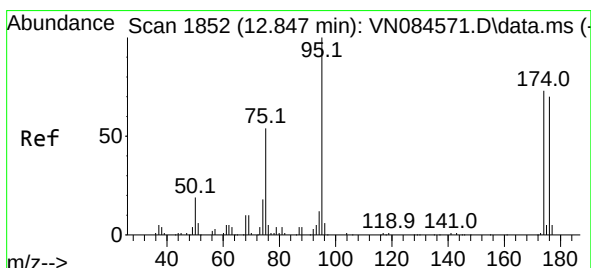
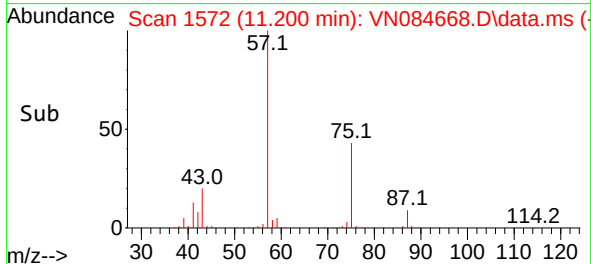
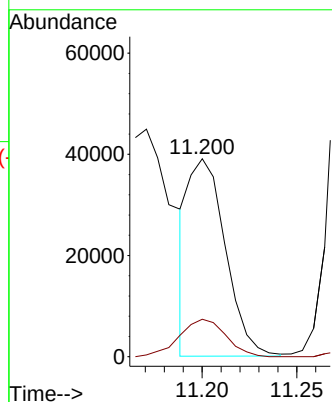
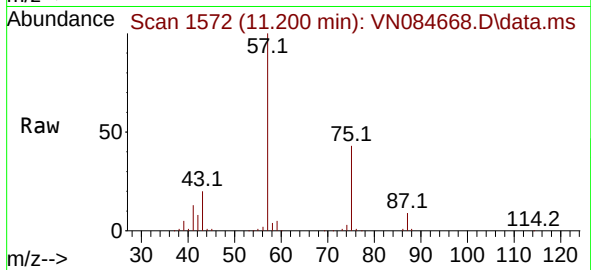




#59
2-Hexanone
Concen: 27.837 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

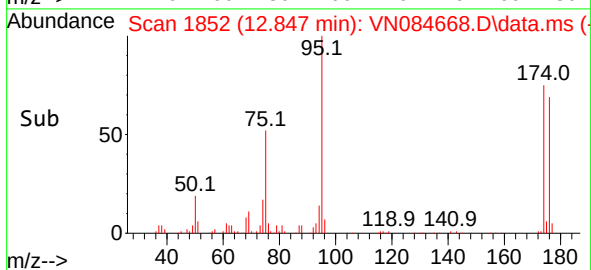
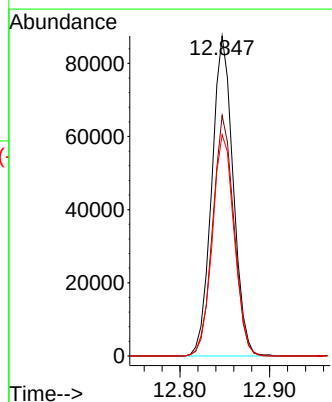
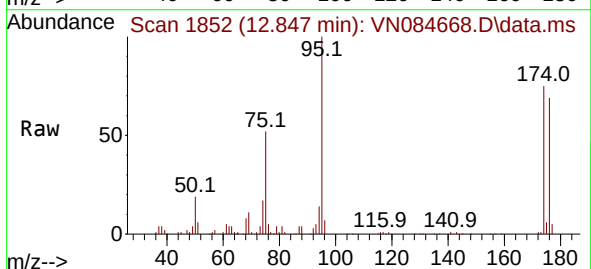
Instrument :
MSVOA_N
ClientSampleId :

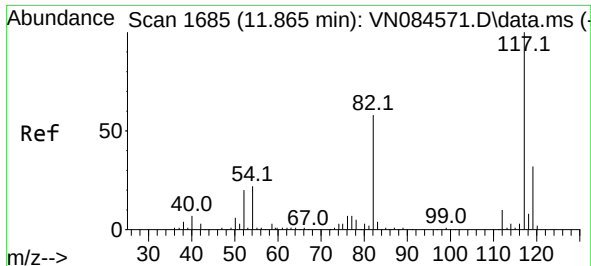
Tgt Ion: 43 Resp: 53162
Ion Ratio Lower Upper
43 100
58 23.7 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 48.021 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Tgt Ion: 95 Resp: 144603
Ion Ratio Lower Upper
95 100
174 74.5 0.0 145.2
176 70.7 0.0 140.0

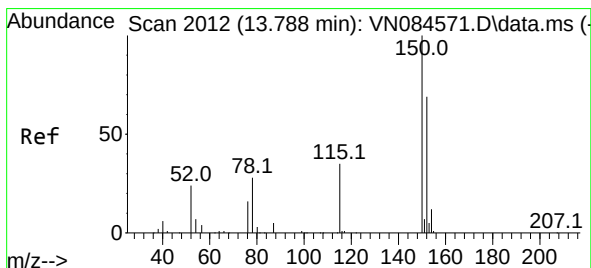
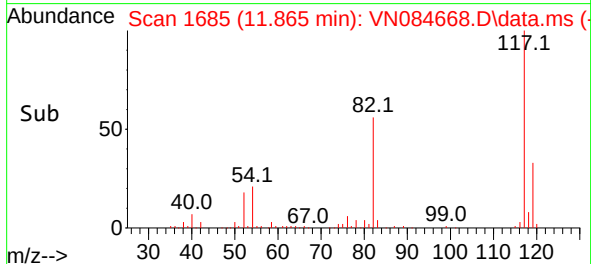
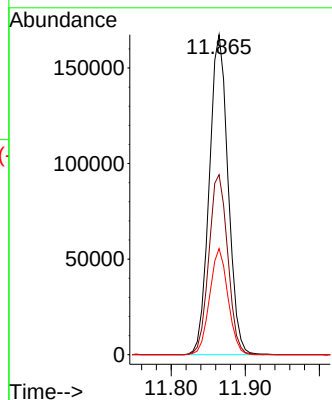
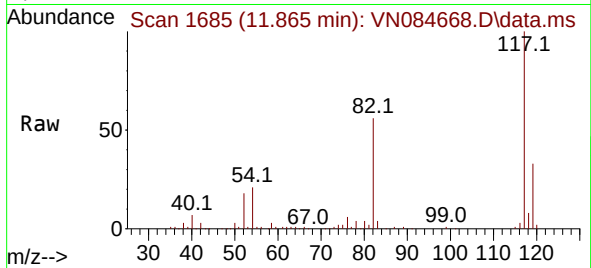




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

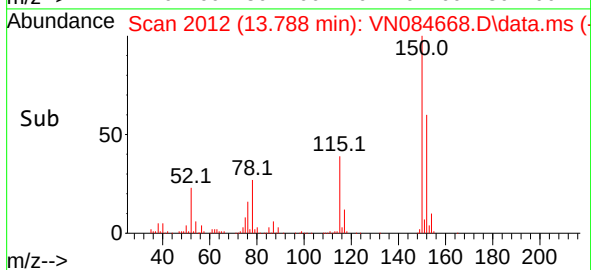
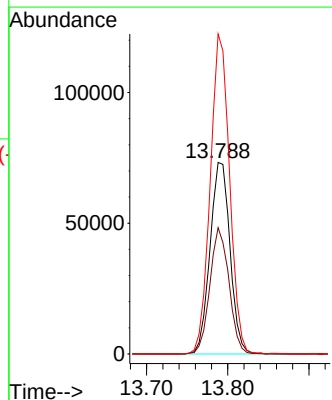
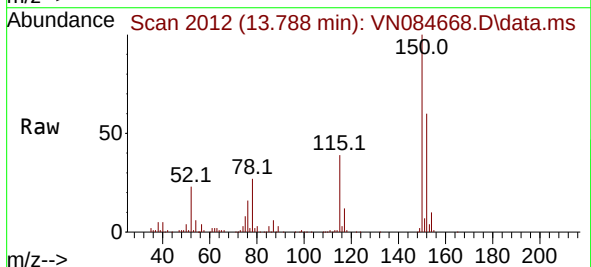
Instrument :
MSVOA_N
ClientSampleId :

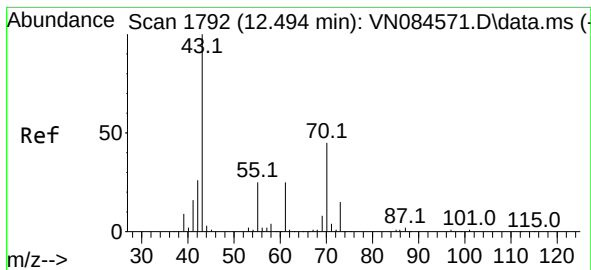
Tgt Ion:117 Resp: 294941
Ion Ratio Lower Upper
117 100
82 56.2 47.2 70.8
119 33.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

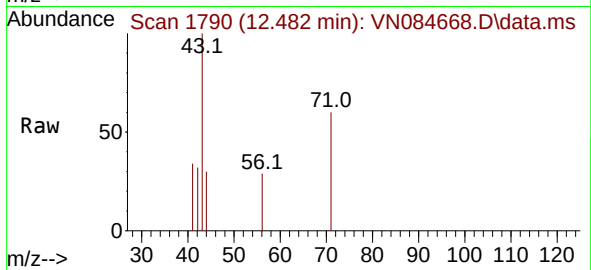
Tgt Ion:152 Resp: 125372
Ion Ratio Lower Upper
152 100
115 62.9 31.3 93.9
150 161.1 0.0 349.8



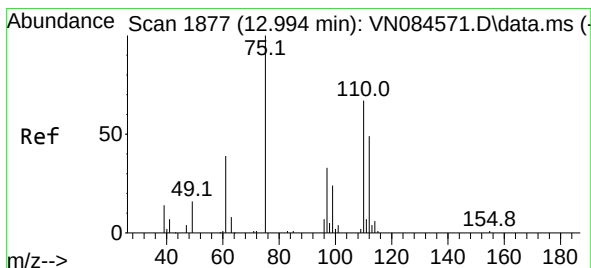
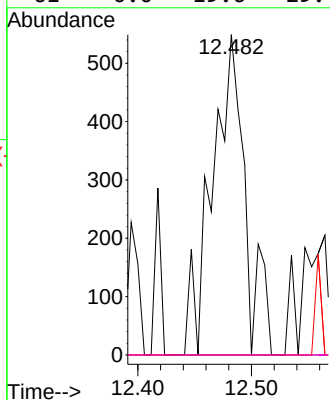
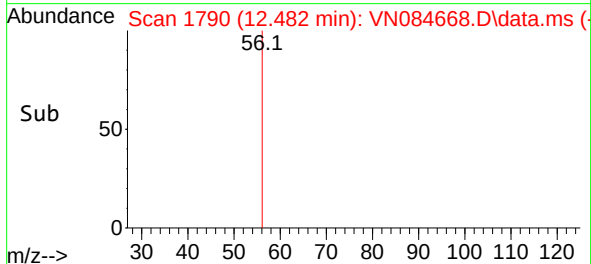


#74
N-amy1 acetate
Concen: 0.298 ug/l
RT: 12.482 min Scan# 1115
Delta R.T. -0.012 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

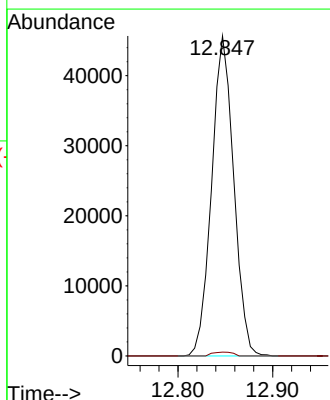
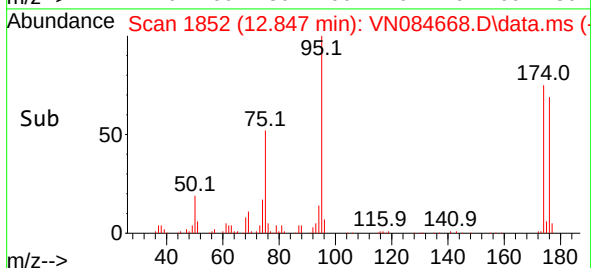
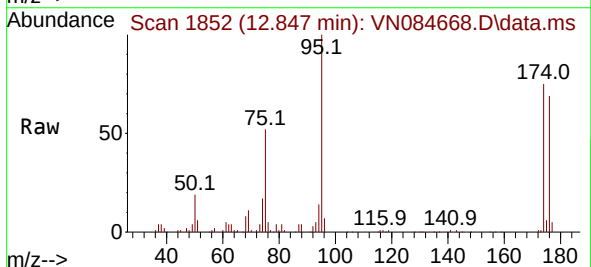


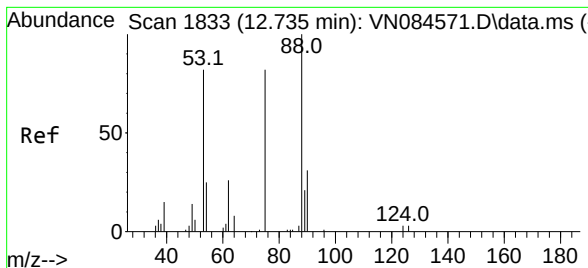
Tgt Ion:	43	Resp:	1115
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	0.0	19.6	29.4#
61	0.0	19.6	29.4#



#76
1,2,3-Trichloropropane
Concen: 29.568 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Tgt Ion:	75	Resp:	74102
Ion	Ratio	Lower	Upper
75	100		
77	1.1	96.9	290.7#

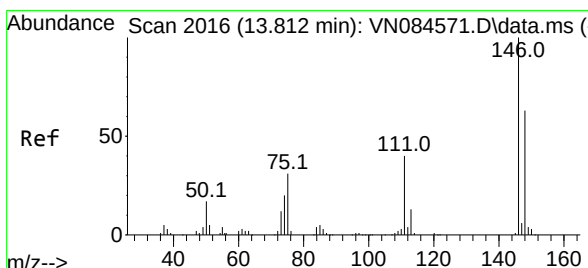
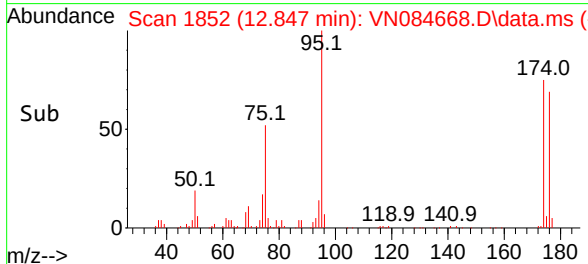
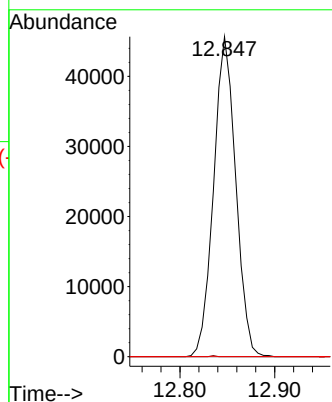
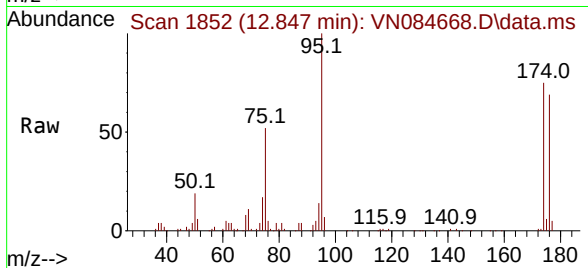




#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.148 ug/l
 RT: 12.847 min Scan# 1833
 Delta R.T. 0.112 min
 Lab File: VN084668.D
 Acq: 04 Nov 2024 19:30

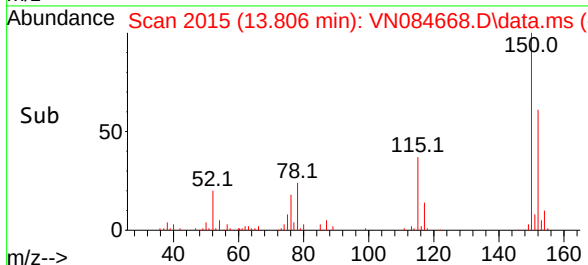
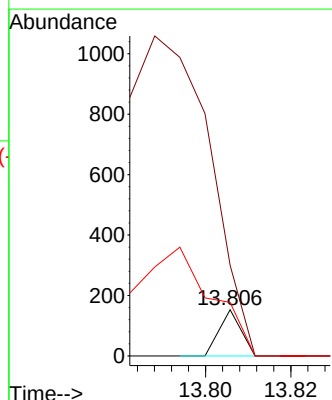
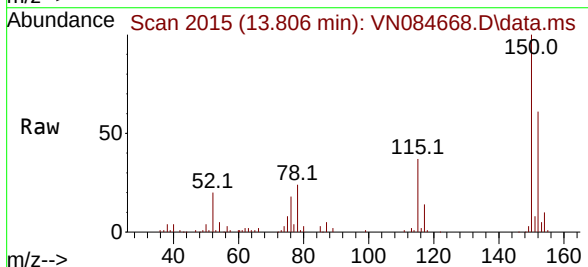
Instrument :
 MSVOA_N
 ClientSampleId :

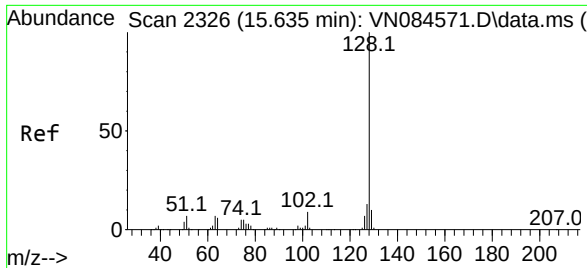
Tgt Ion: 75 Resp: 74102
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 35.5 53.3#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.806 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: VN084668.D
 Acq: 04 Nov 2024 19:30

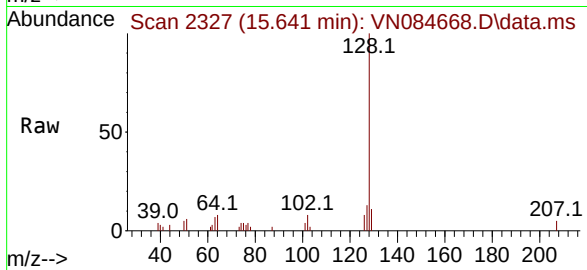
Tgt Ion:146 Resp: 54
 Ion Ratio Lower Upper
 146 100
 111 3274.1 21.2 63.6#
 148 803.7 31.9 95.9#





#95
Naphthalene
Concen: 2.678 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084668.D
Acq: 04 Nov 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	19431
Ion Ratio	Lower	Upper	
128	100		
127	10.8	10.5	15.7
129	10.4	8.7	13.1

