

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084661.D
 Acq On : 04 Nov 2024 16:41
 Operator : JC\MD
 Sample : P4660-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:30:00 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)

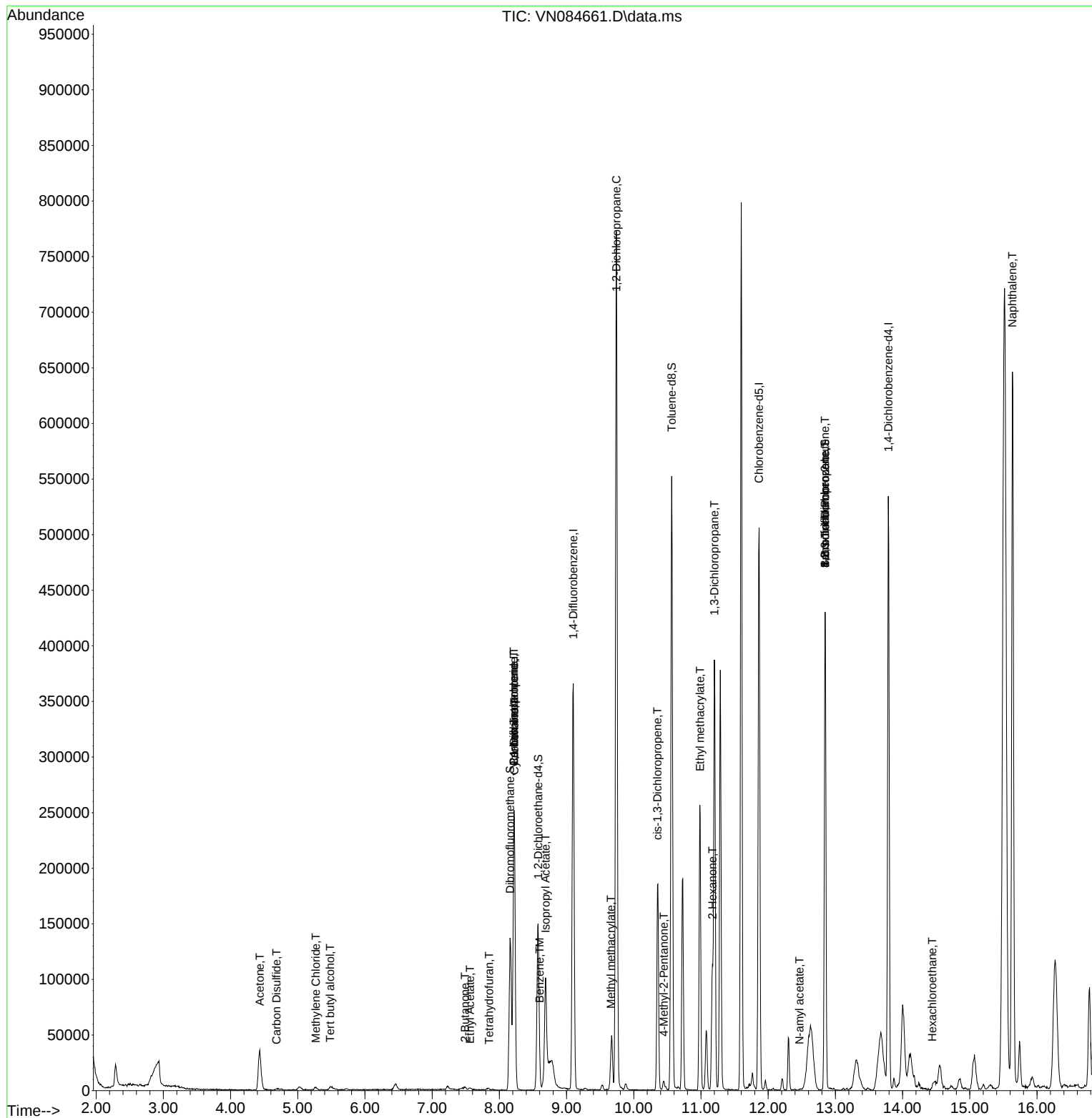
Internal Standards						
1) Pentafluorobenzene	8.218	168	183096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	318203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122924	46.482	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.960%		
35) Dibromofluoromethane	8.159	113	99331	46.118	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.240%		
50) Toluene-d8	10.565	98	377748	47.611	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.220%		
62) 4-Bromofluorobenzene	12.847	95	152813	51.535	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.060%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	604	Below Cal	#	41
6) Chloroethane	3.106	64	267	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	1761	5.045	ug/l #	73
16) Acetone	4.436	43	67807	86.903	ug/l	98
17) Carbon Disulfide	4.683	76	1479	0.230	ug/l #	75
18) Methyl Acetate	5.030	43	6609	Below Cal	#	75
20) Methylene Chloride	5.271	84	1673	0.719	ug/l #	77
25) 2-Butanone	7.488	43	4195	3.400	ug/l #	89
29) Tetrahydrofuran	7.847	42	537	0.656	ug/l #	68
31) Cyclohexane	8.224	56	3930	1.076	ug/l #	2
36) 1,1-Dichloropropene	8.218	75	15346	5.137	ug/l #	50
37) Ethyl Acetate	7.565	43	2885	1.064	ug/l #	82
38) Carbon Tetrachloride	8.218	117	19326	5.788	ug/l #	15
40) Benzene	8.600	78	2634	0.275	ug/l #	85
43) Isopropyl Acetate	8.688	43	132447	25.989	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	869	0.386	ug/l #	44
48) Methyl methacrylate	9.659	41	3637	1.724	ug/l #	39
51) 4-Methyl-2-Pentanone	10.447	43	8883	3.438	ug/l #	74
54) cis-1,3-Dichloropropene	10.353	75	35264	9.616	ug/l #	65
56) Ethyl methacrylate	10.988	69	1021	0.334	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4164	1.148	ug/l #	42
59) 2-Hexanone	11.171	43	90532	48.140	ug/l #	24
71) Bromoform	12.847	173	824	0.481	ug/l #	1
74) N-amyl acetate	12.465	43	1169	0.276	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	77887	27.474	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77887	65.179	ug/l #	11
90) Hexachloroethane	14.441	117	1036	0.588	ug/l #	15
95) Naphthalene	15.635	128	629152	76.644	ug/l	99

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

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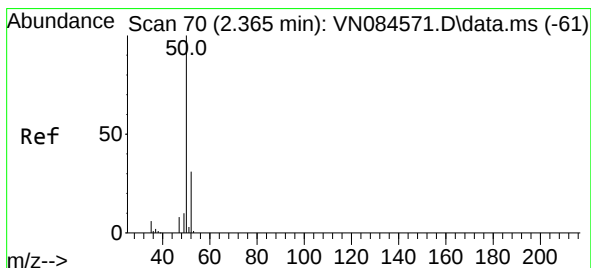
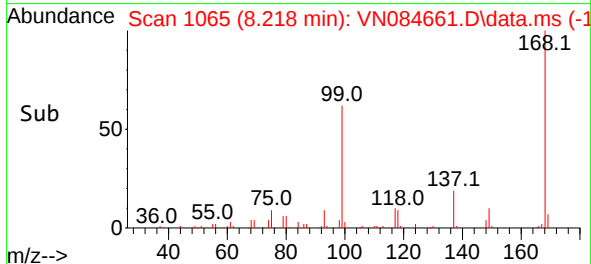
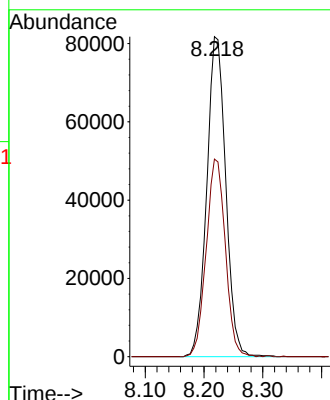
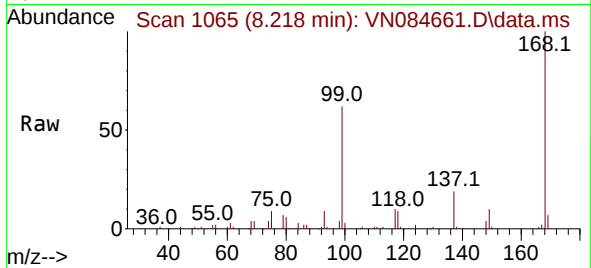




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

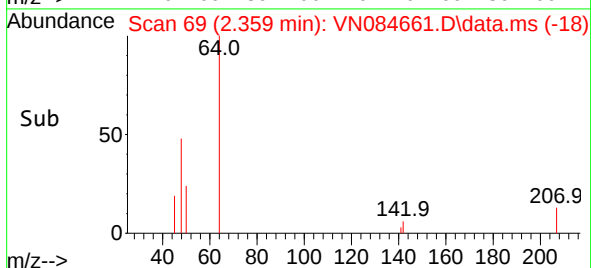
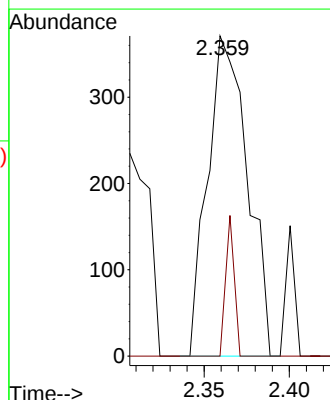
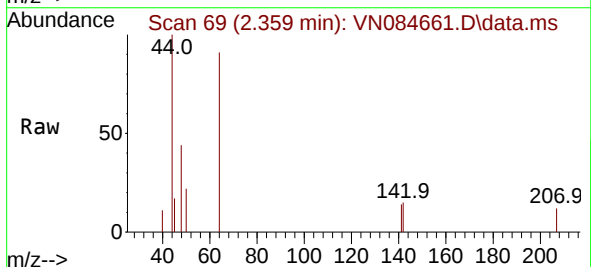
Instrument :
MSVOA_N
ClientSampleId :

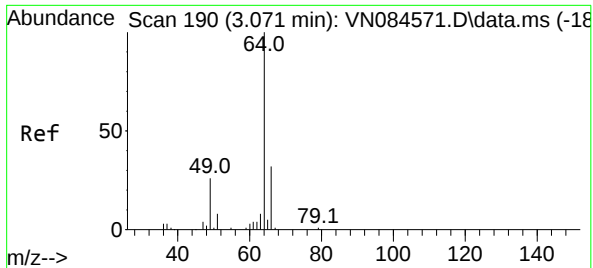
Tgt Ion:168 Resp: 183096
Ion Ratio Lower Upper
168 100
99 61.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion: 50 Resp: 604
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

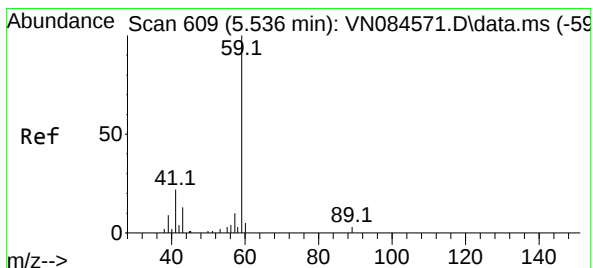
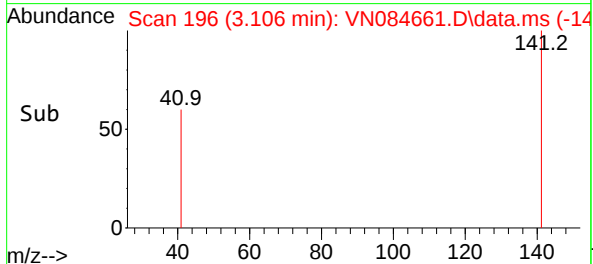
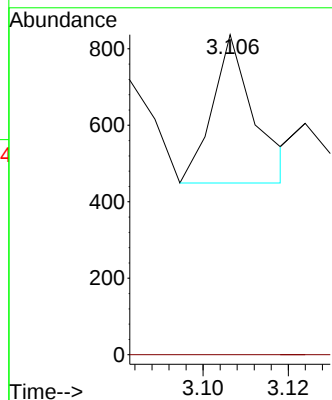
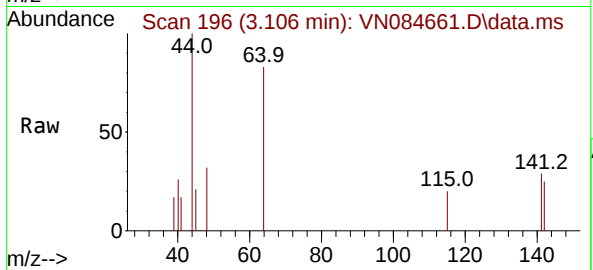




#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 190
Delta R.T. -0.012 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

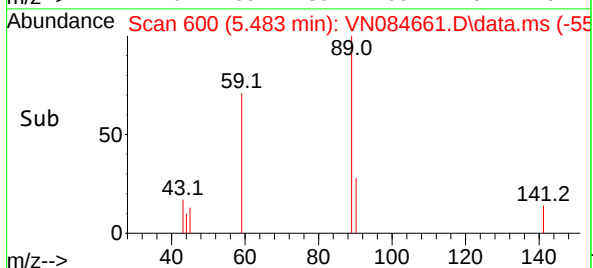
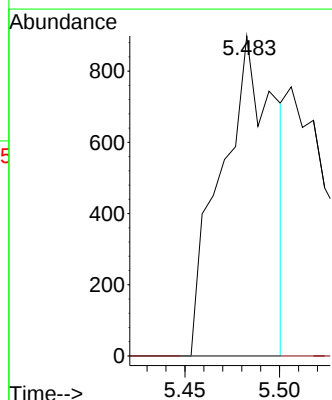
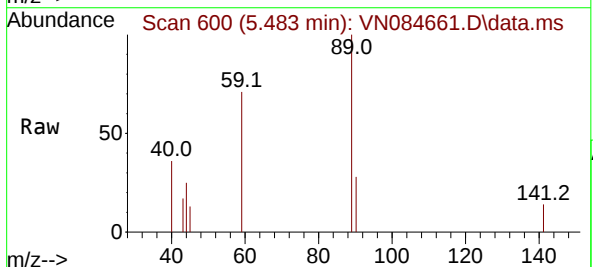
Instrument :
MSVOA_N
ClientSampleId :

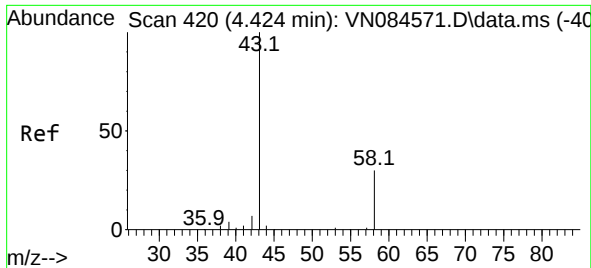
Tgt Ion: 64 Resp: 267
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 5.045 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion: 59 Resp: 1761
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 86.903 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN084661.D

Acq: 04 Nov 2024 16:41

Instrument :

MSVOA_N

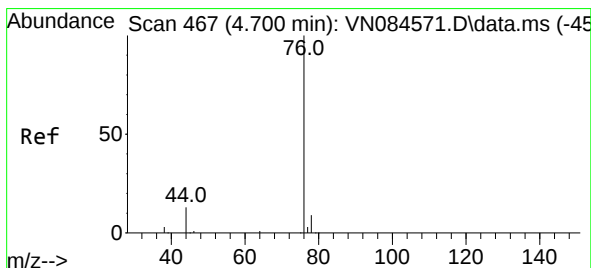
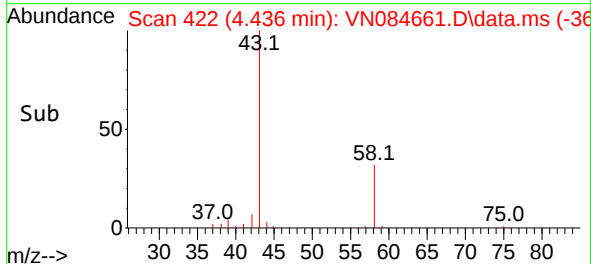
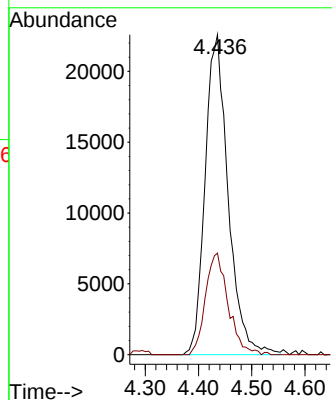
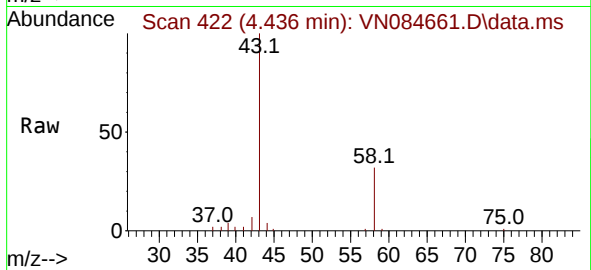
ClientSampleId :

Tgt Ion: 43 Resp: 67807

Ion Ratio Lower Upper

43 100

58 31.8 24.4 36.6



#17

Carbon Disulfide

Concen: 0.230 ug/l

RT: 4.683 min Scan# 464

Delta R.T. -0.029 min

Lab File: VN084661.D

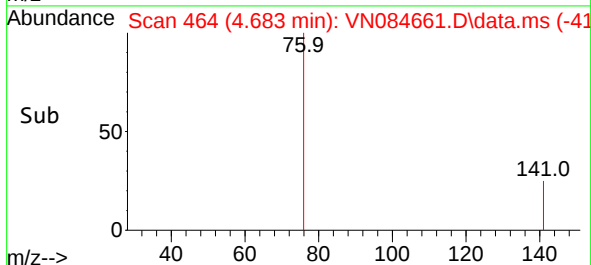
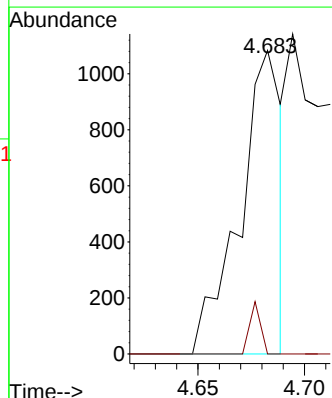
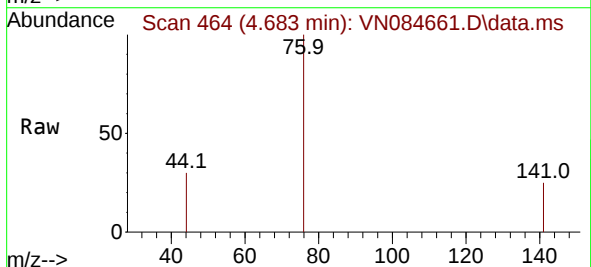
Acq: 04 Nov 2024 16:41

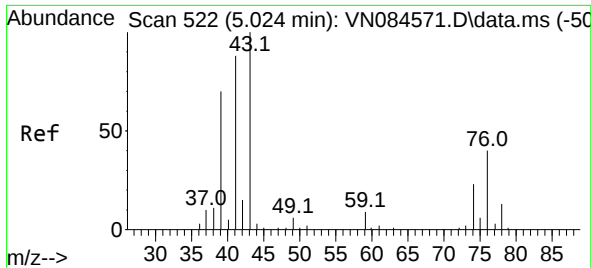
Tgt Ion: 76 Resp: 1479

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

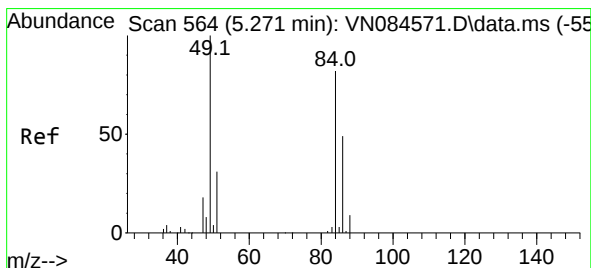
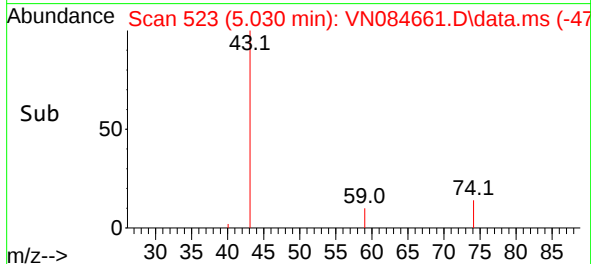
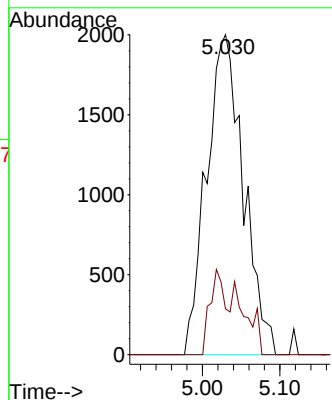
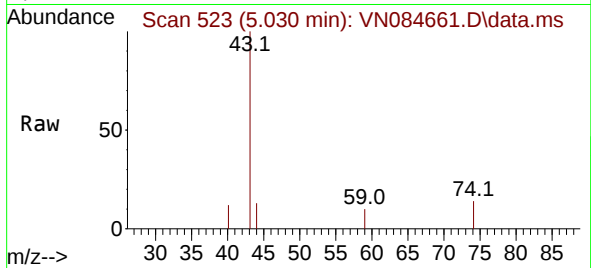




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

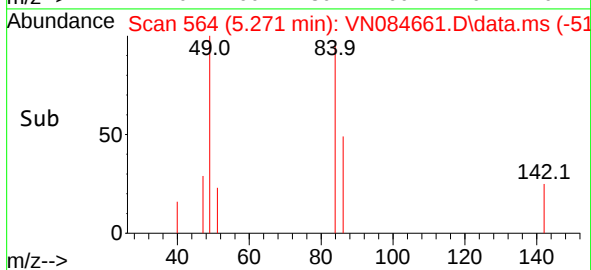
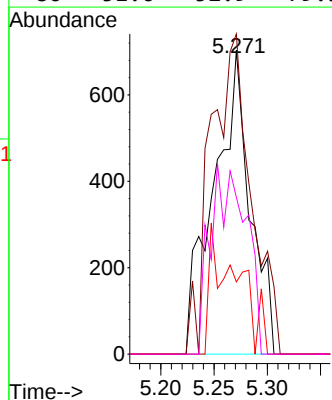
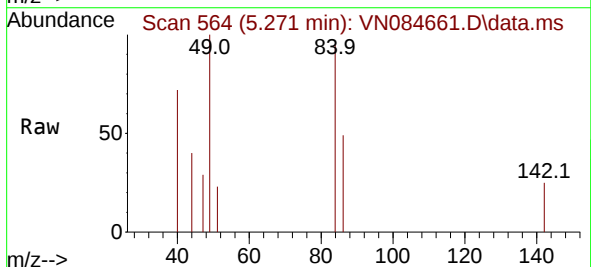
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 6609
Ion Ratio Lower Upper
43 100
74 11.6 19.2 28.8#



#20
Methylene Chloride
Concen: 0.719 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion: 84 Resp: 1673
Ion Ratio Lower Upper
84 100
49 105.4 107.2 160.8#
51 23.8 31.8 47.8#
86 51.6 52.9 79.3#

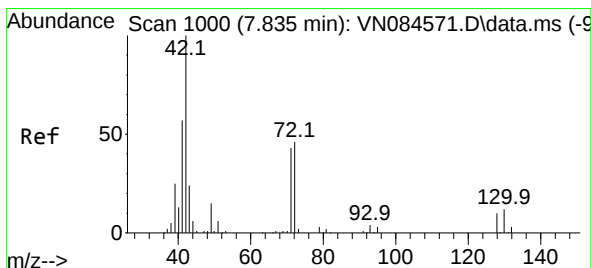
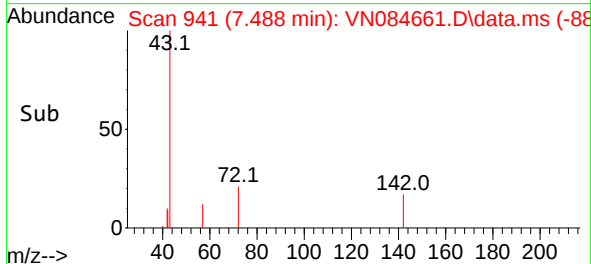
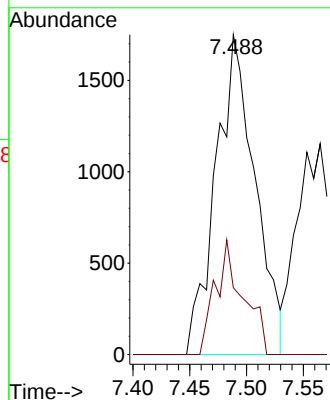
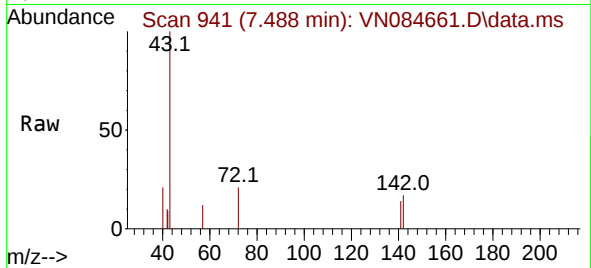




#25
2-Butanone
Concen: 3.400 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

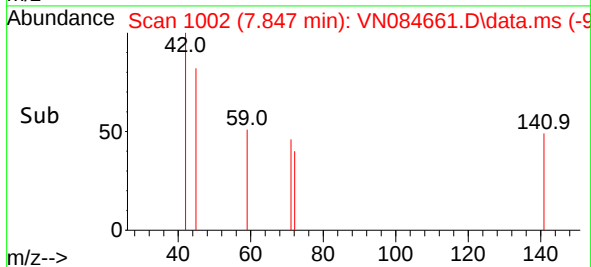
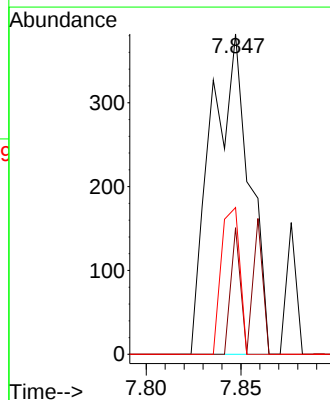
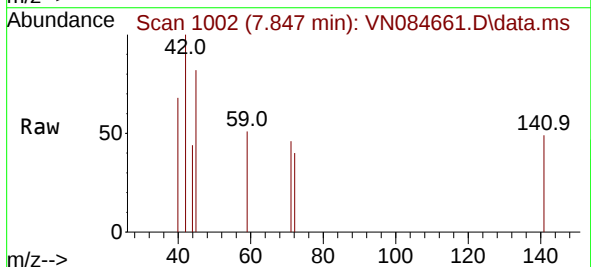
Instrument :
MSVOA_N
ClientSampleId :

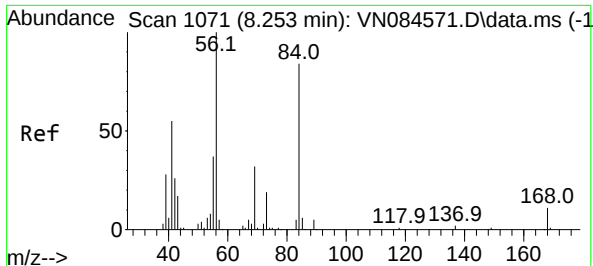
Tgt Ion: 43 Resp: 4195
Ion Ratio Lower Upper
43 100
72 20.9 21.4 32.2#



#29
Tetrahydrofuran
Concen: 0.656 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

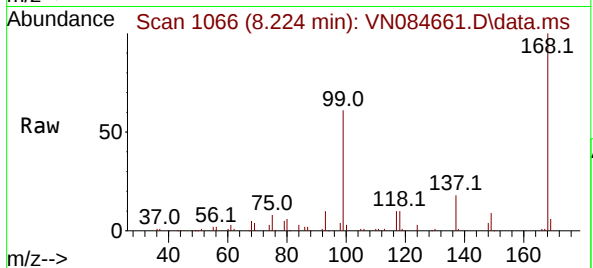
Tgt Ion: 42 Resp: 537
Ion Ratio Lower Upper
42 100
72 20.5 34.6 51.8#
71 22.2 32.2 48.4#



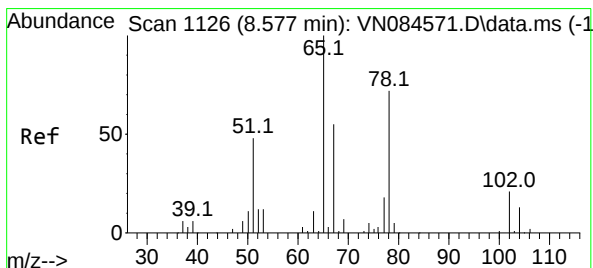
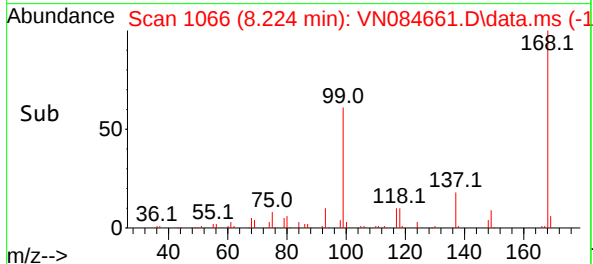
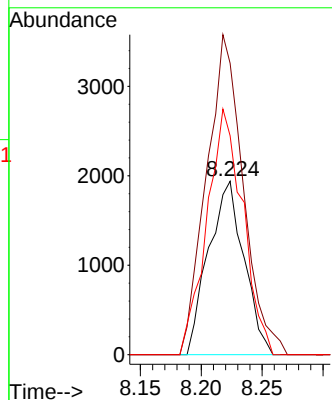


#31
Cyclohexane
Concen: 1.076 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :

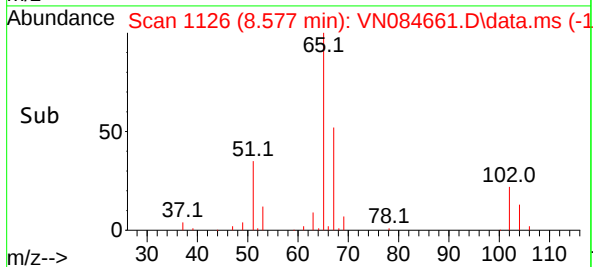
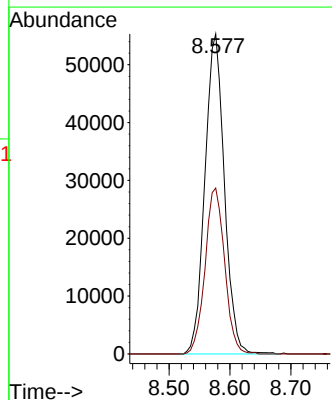
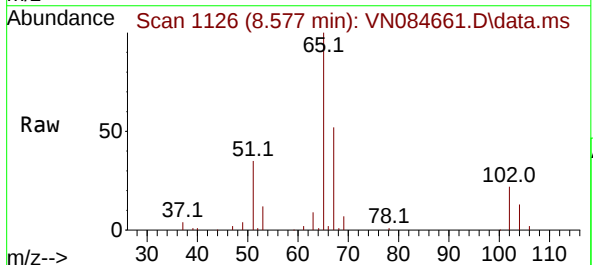


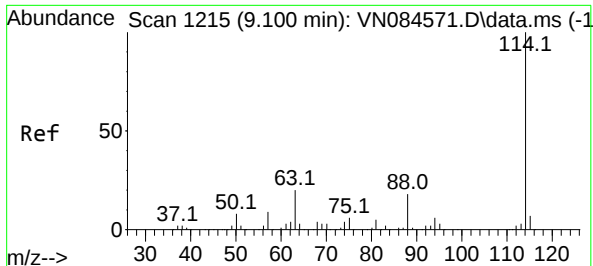
Tgt Ion: 56 Resp: 3930
Ion Ratio Lower Upper
56 100
69 168.0 23.8 35.6#
84 126.3 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 46.482 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion: 65 Resp: 122924
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.0

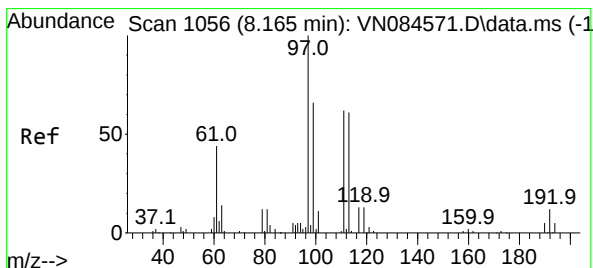
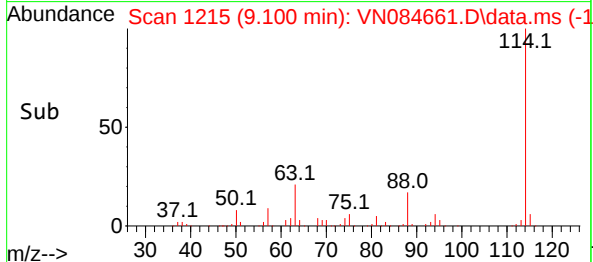
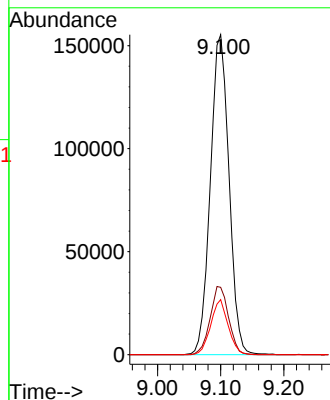
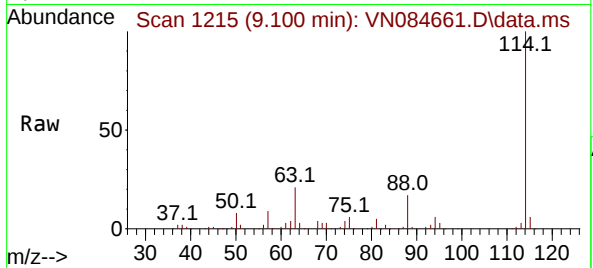




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

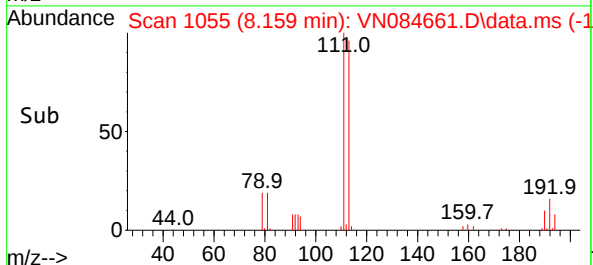
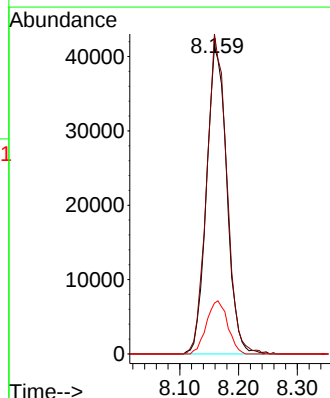
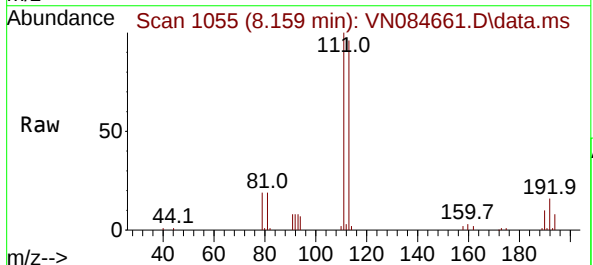
Instrument :
MSVOA_N
ClientSampleId :

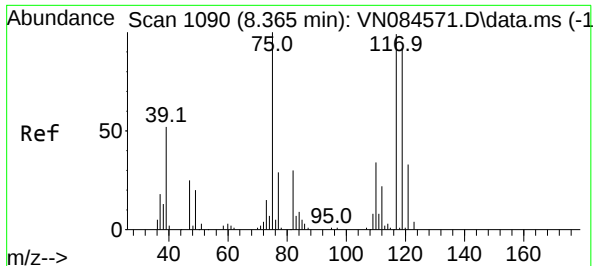
Tgt Ion:114 Resp: 318203
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.8
88 17.2 0.0 31.6



#35
Dibromofluoromethane
Concen: 46.118 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion:113 Resp: 99331
Ion Ratio Lower Upper
113 100
111 102.7 83.3 124.9
192 18.0 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.137 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

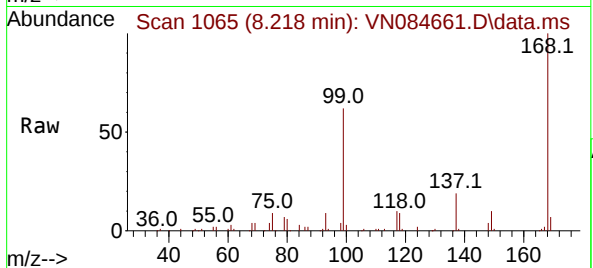
Lab File: VN084661.D

Acq: 04 Nov 2024 16:41

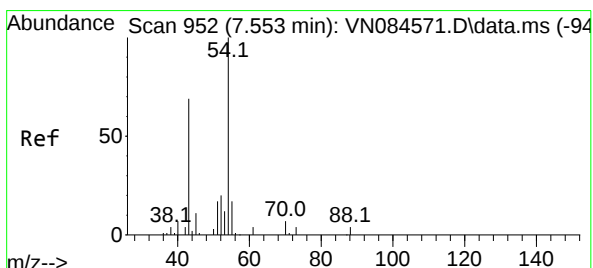
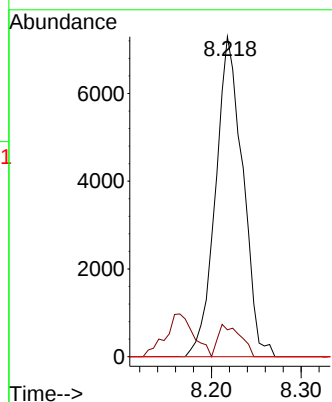
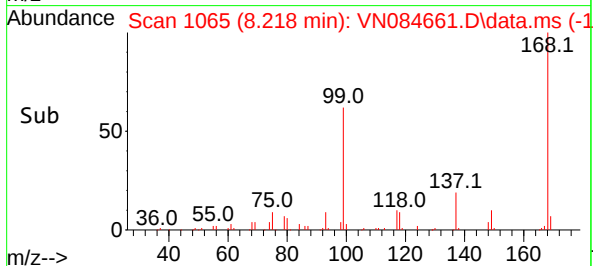
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	15346
Ion Ratio	Lower	Upper	
75	100		
110	8.3	16.9	50.7#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 1.064 ug/l

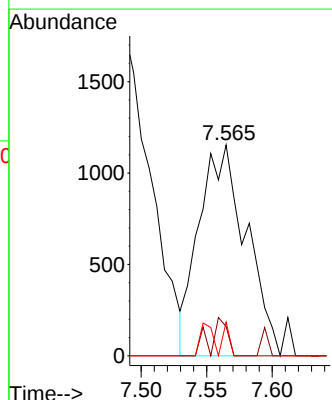
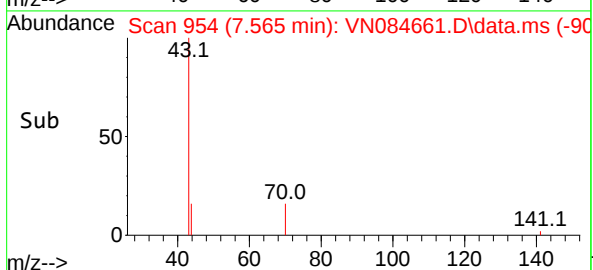
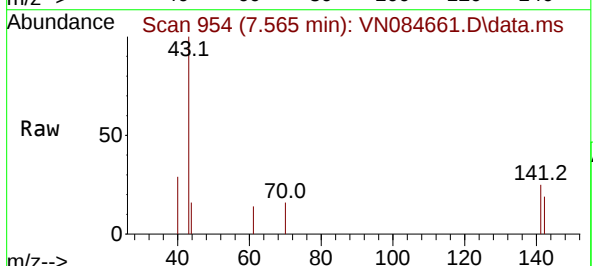
RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN084661.D

Acq: 04 Nov 2024 16:41

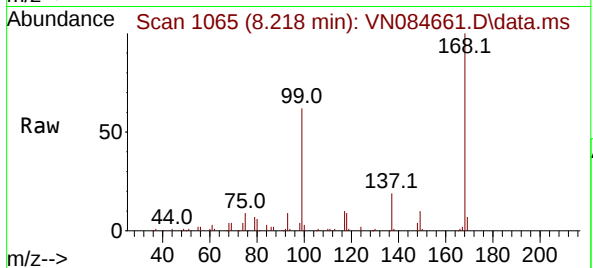
Tgt Ion:	43	Resp:	2885
Ion Ratio	Lower	Upper	
43	100		
61	6.5	10.7	16.1#
70	4.1	8.8	13.2#



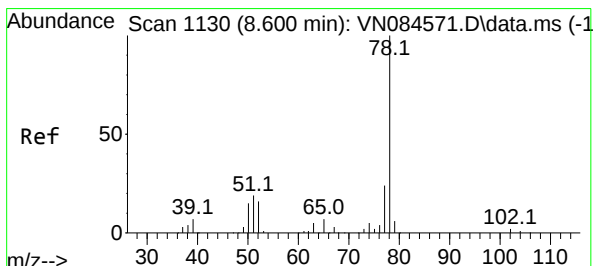
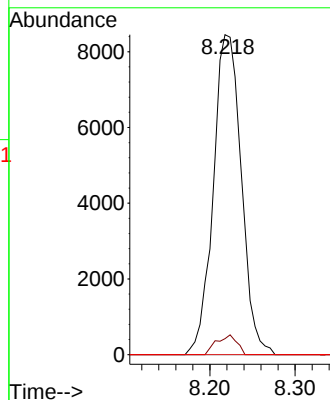
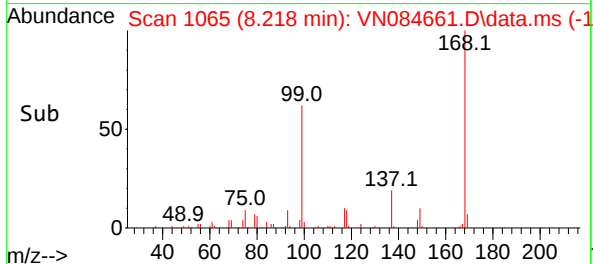


#38
Carbon Tetrachloride
Concen: 5.788 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :

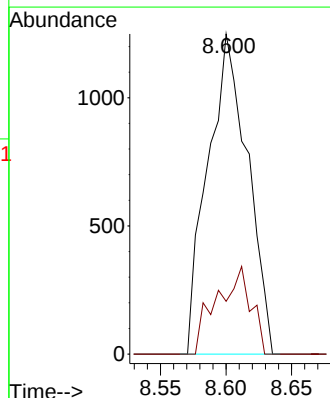
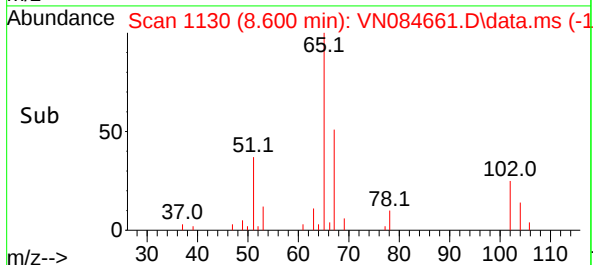
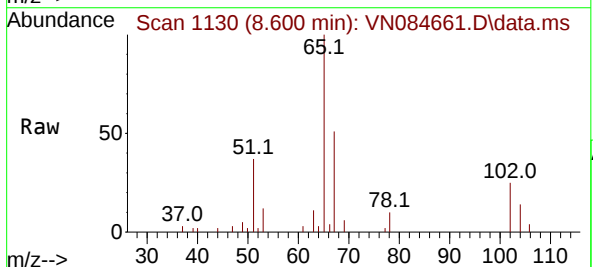


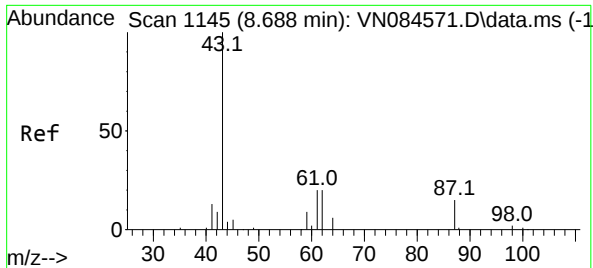
Tgt Ion:117 Resp: 19326
Ion Ratio Lower Upper
117 100
119 5.0 78.7 118.1#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.275 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion: 78 Resp: 2634
Ion Ratio Lower Upper
78 100
77 16.5 19.1 28.7#

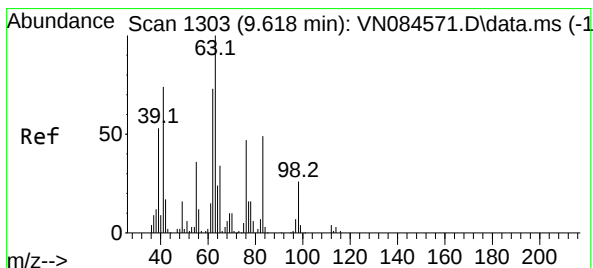
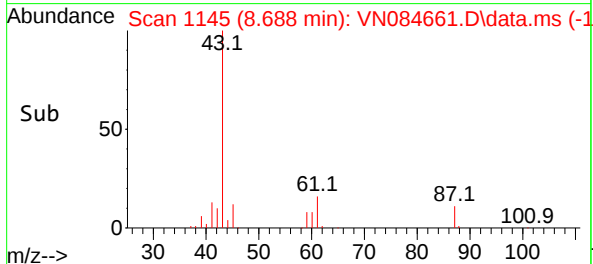
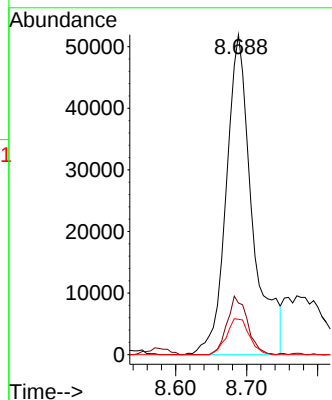
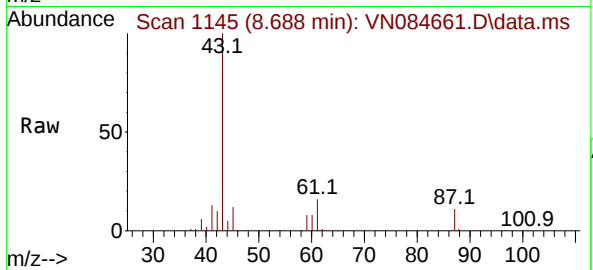




#43
Isopropyl Acetate
Concen: 25.989 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

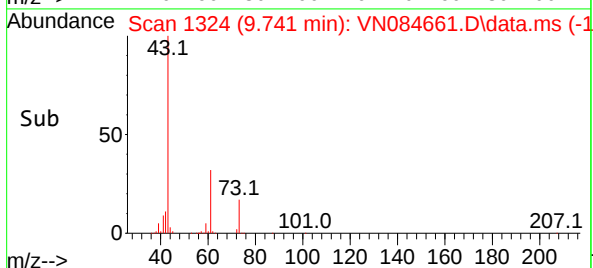
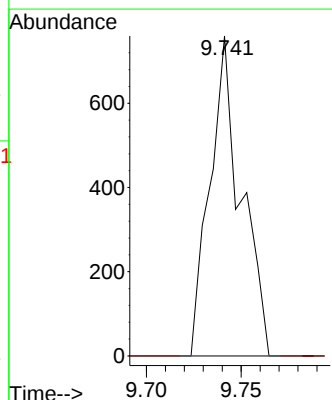
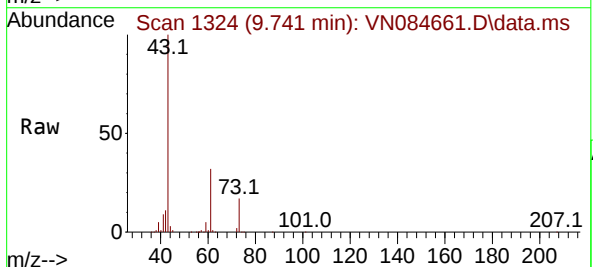
Instrument :
MSVOA_N
ClientSampleId :

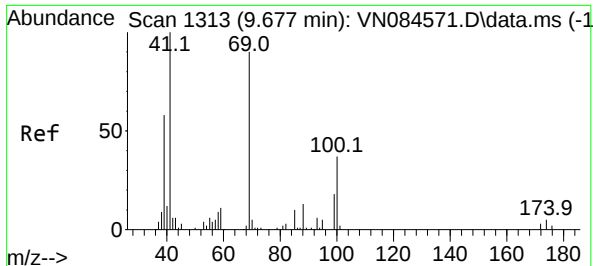
Tgt Ion: 43 Resp: 132447
Ion Ratio Lower Upper
43 100
61 14.3 20.4 30.6#
87 9.8 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.386 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion: 63 Resp: 869
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.724 ug/l

RT: 9.659 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN084661.D

Acq: 04 Nov 2024 16:41

Instrument :

MSVOA_N

ClientSampleId :

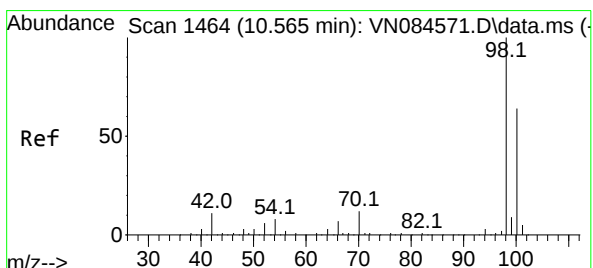
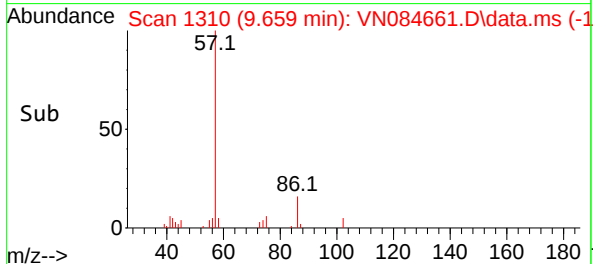
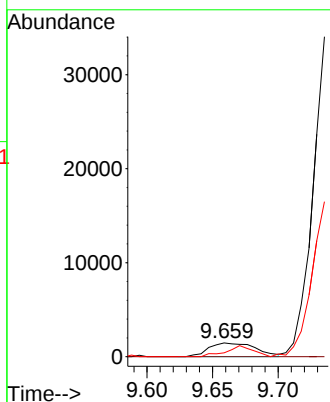
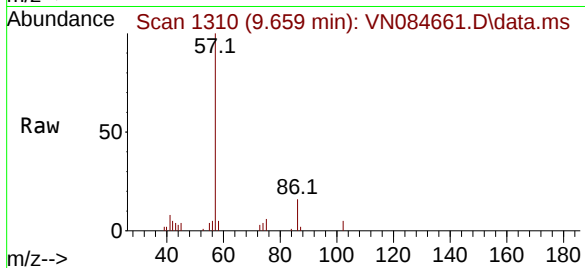
Tgt Ion: 41 Resp: 3637

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 46.0 45.8 68.6



#50

Toluene-d8

Concen: 47.611 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084661.D

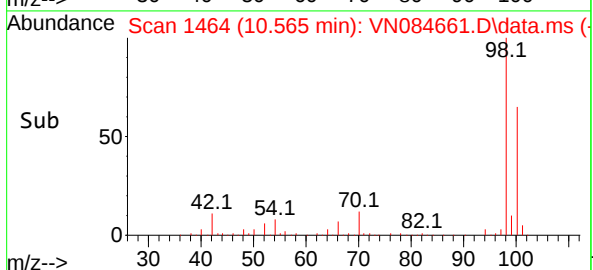
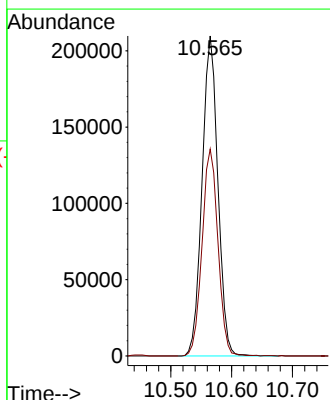
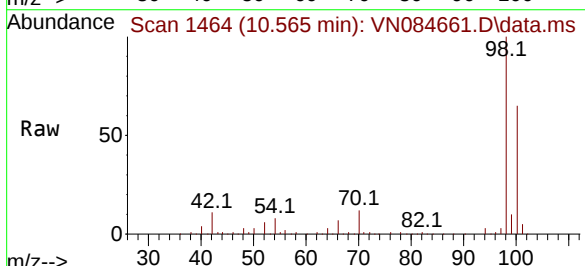
Acq: 04 Nov 2024 16:41

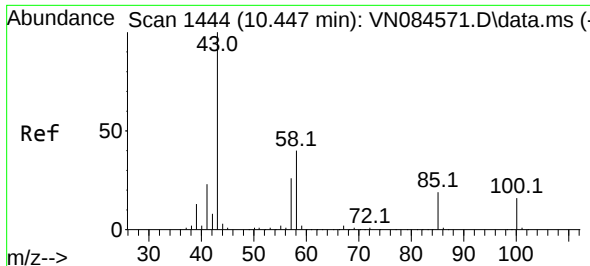
Tgt Ion: 98 Resp: 377748

Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 3.438 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN084661.D

Acq: 04 Nov 2024 16:41

Instrument :

MSVOA_N

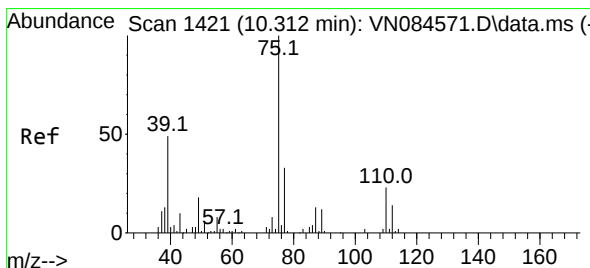
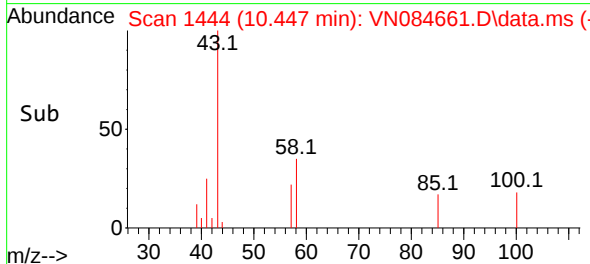
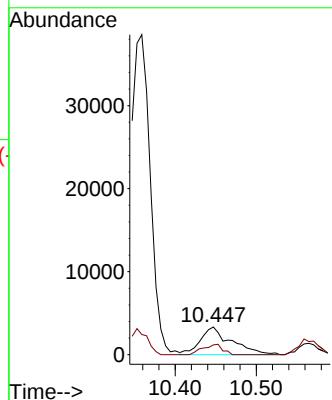
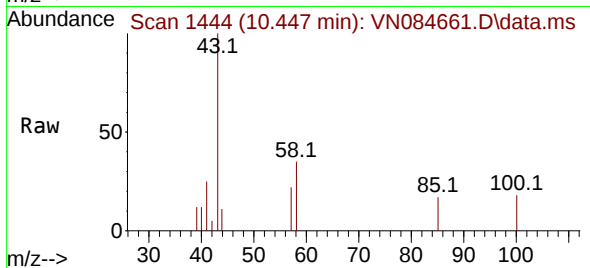
ClientSampleId :

Tgt Ion: 43 Resp: 8883

Ion Ratio Lower Upper

43 100

58 23.7 31.6 47.4#



#54

cis-1,3-Dichloropropene

Concen: 9.616 ug/l

RT: 10.353 min Scan# 1428

Delta R.T. 0.041 min

Lab File: VN084661.D

Acq: 04 Nov 2024 16:41

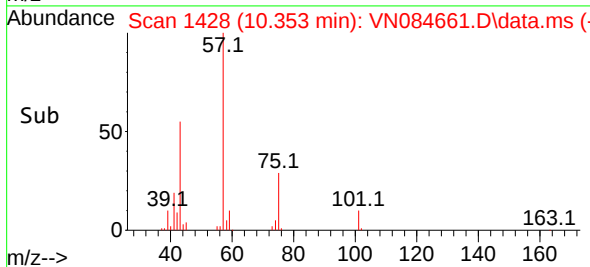
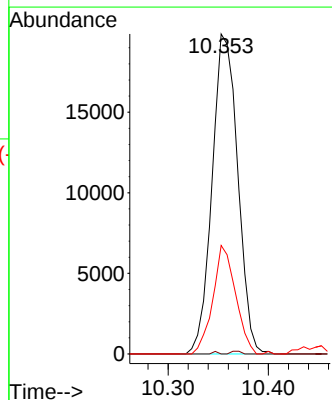
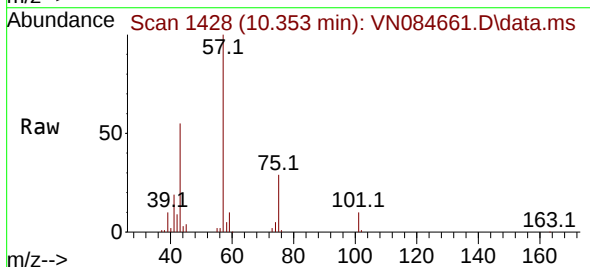
Tgt Ion: 75 Resp: 35264

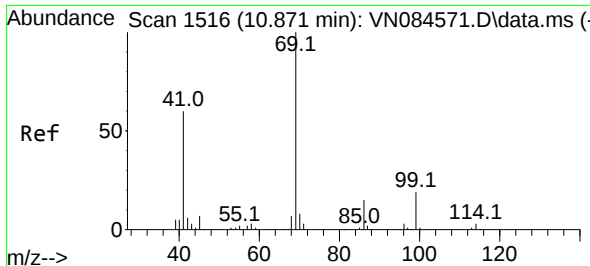
Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

39 33.9 38.7 58.1#

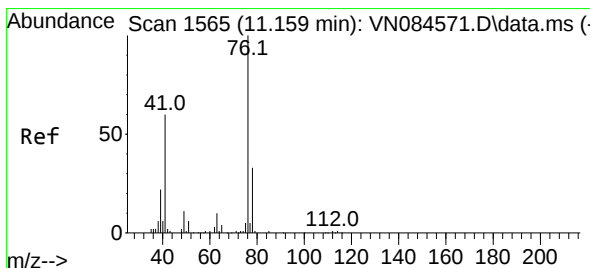
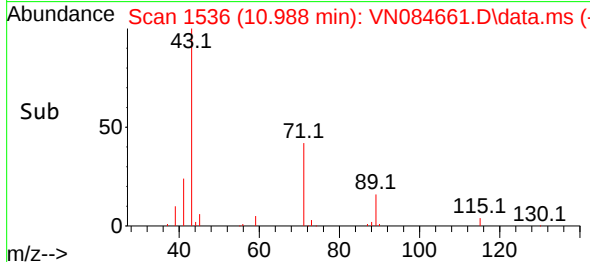
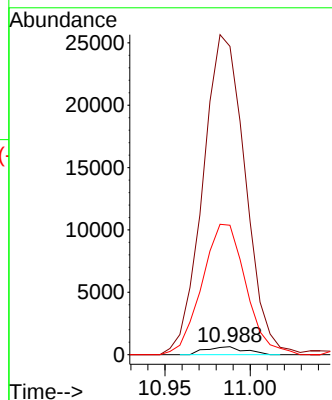
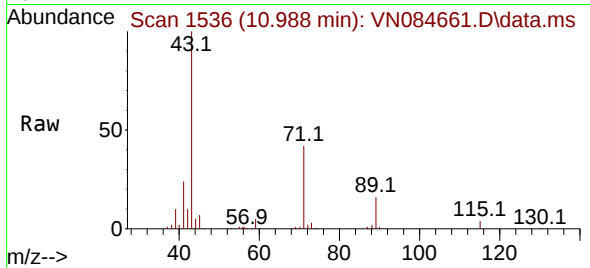




#56
Ethyl methacrylate
Concen: 0.334 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

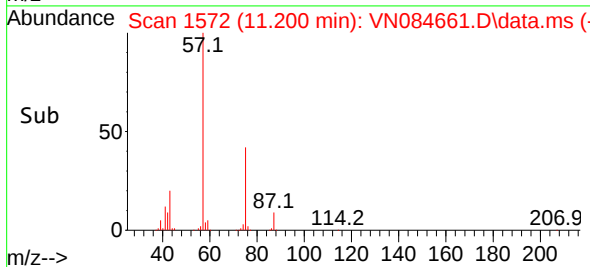
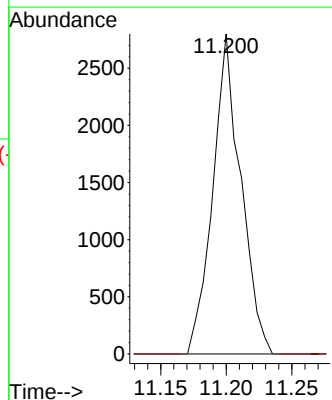
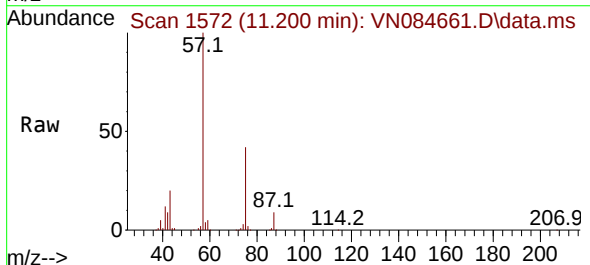
Instrument :
MSVOA_N
ClientSampleId :

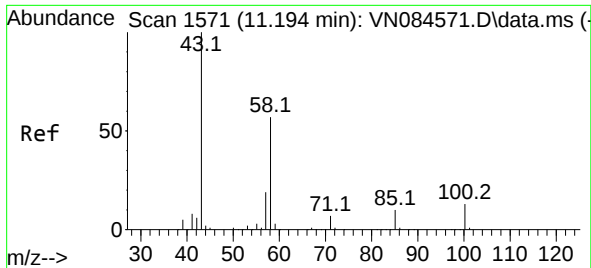
Tgt Ion: 69 Resp: 1021
Ion Ratio Lower Upper
69 100
41 4349.9 53.3 79.9#
39 1837.7 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.148 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion: 76 Resp: 4164
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

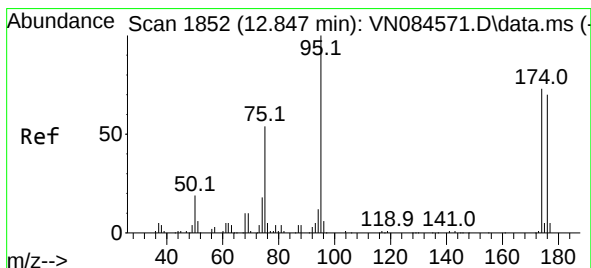
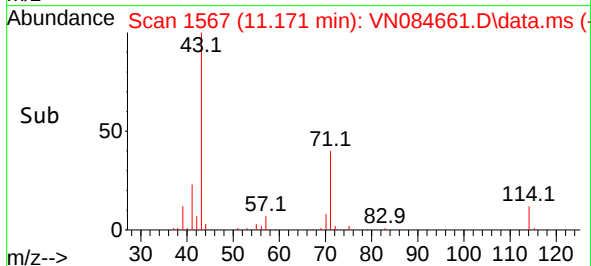
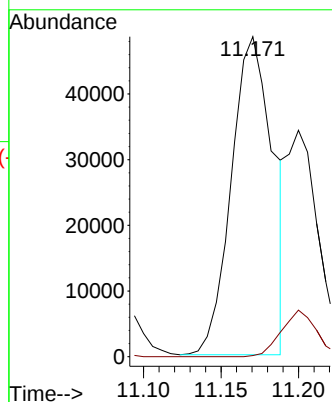
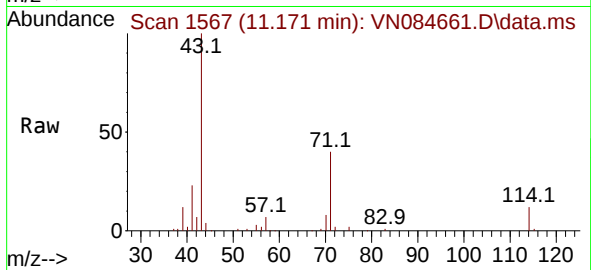




#59
2-Hexanone
Concen: 48.140 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

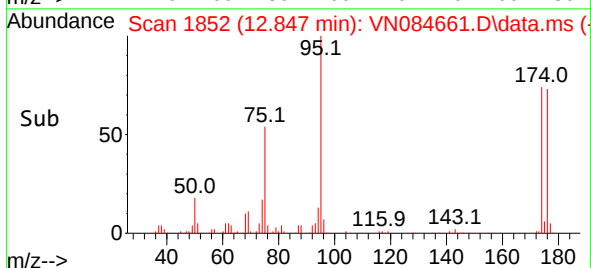
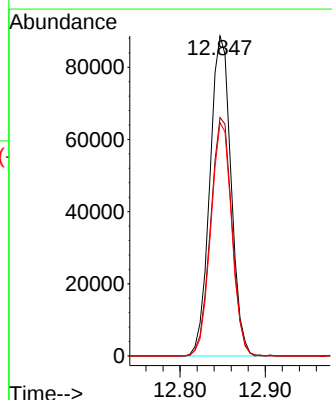
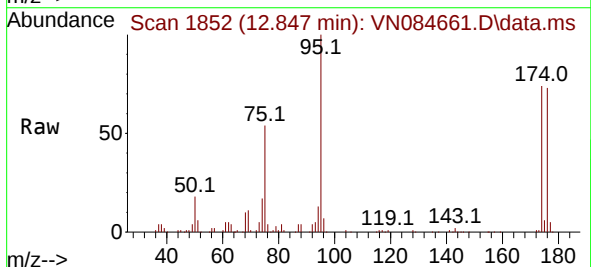
Instrument :
MSVOA_N
ClientSampleId :

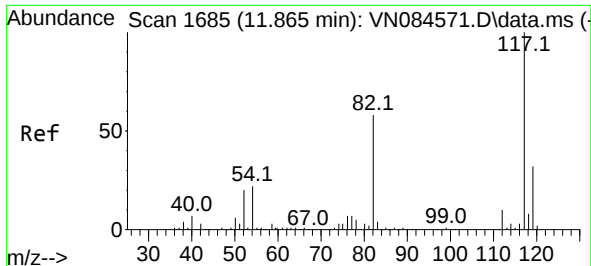
Tgt Ion: 43 Resp: 90532
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 51.535 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion: 95 Resp: 152813
Ion Ratio Lower Upper
95 100
174 75.0 0.0 145.2
176 72.2 0.0 140.0

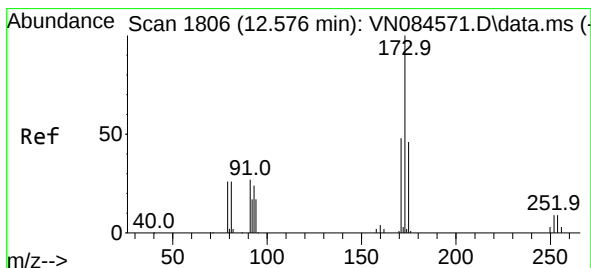
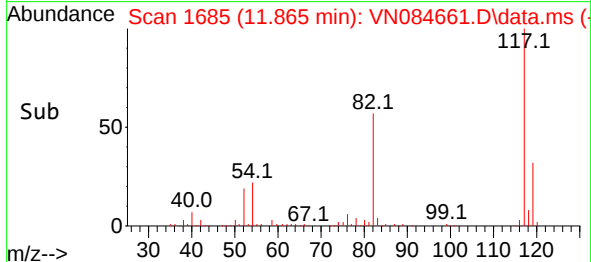
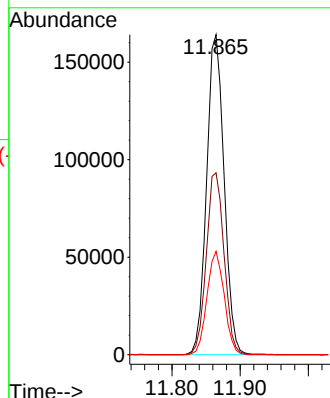
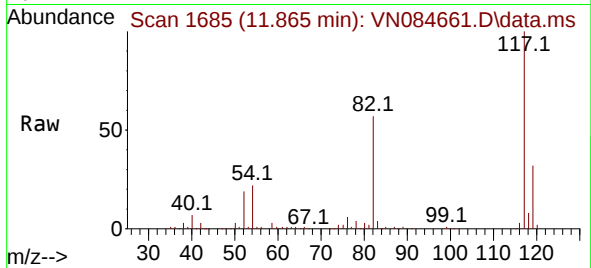




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

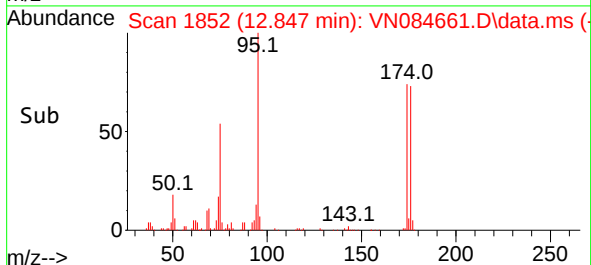
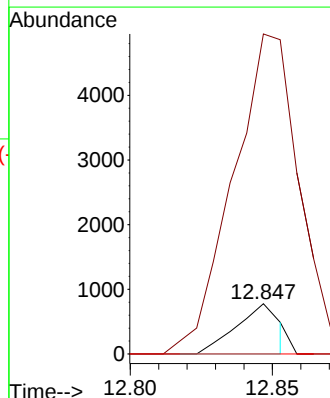
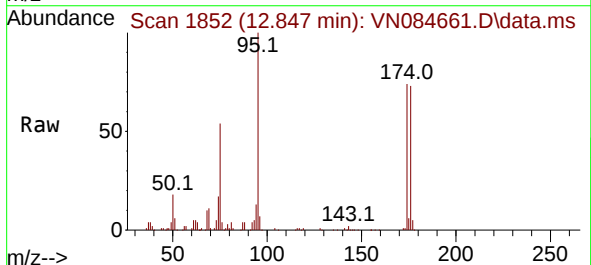
Instrument :
MSVOA_N
ClientSampleId :

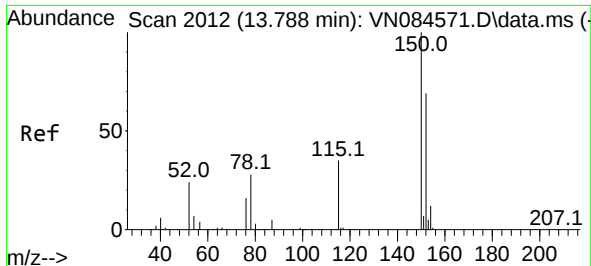
Tgt Ion:117 Resp: 292659
Ion Ratio Lower Upper
117 100
82 56.8 47.2 70.8
119 32.3 25.4 38.0



#71
Bromoform
Concen: 0.481 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

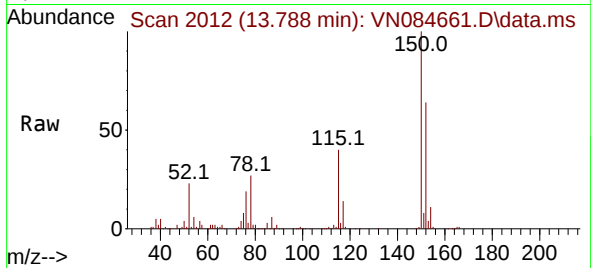
Tgt Ion:173 Resp: 824
Ion Ratio Lower Upper
173 100
175 766.7 23.5 70.6#
254 0.0 0.0 0.0



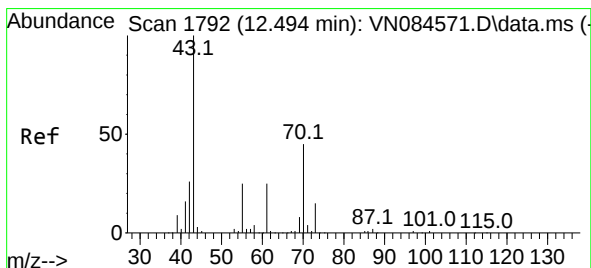
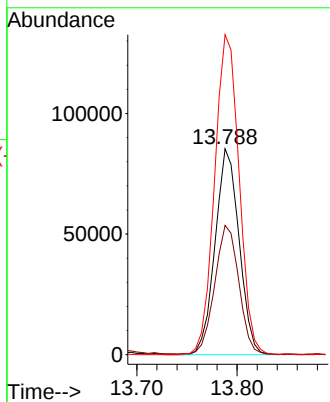
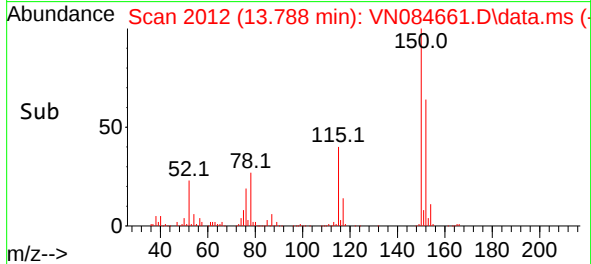


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

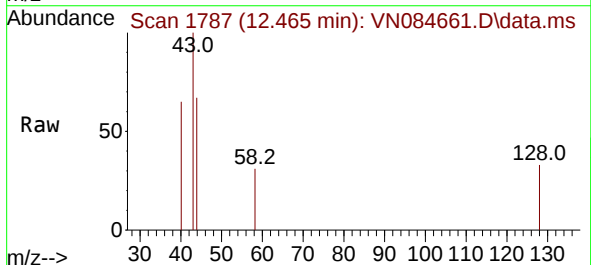
Instrument :
MSVOA_N
ClientSampleId :



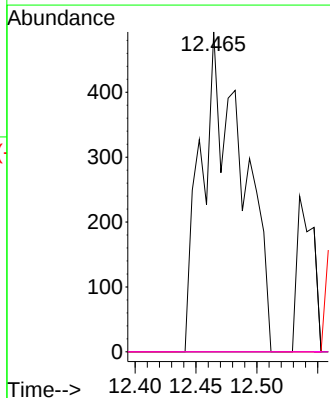
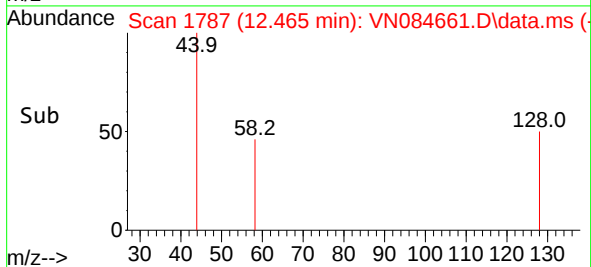
Tgt Ion:152 Resp: 141822
Ion Ratio Lower Upper
152 100
115 63.5 31.3 93.9
150 158.8 0.0 349.8

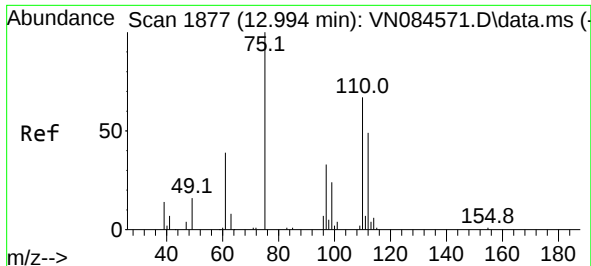


#74
N-ethyl acetate
Concen: 0.276 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.029 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41



Tgt Ion: 43 Resp: 1169
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#

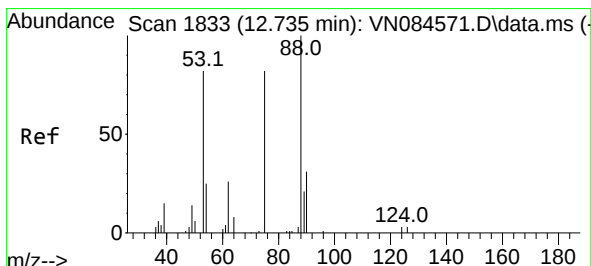
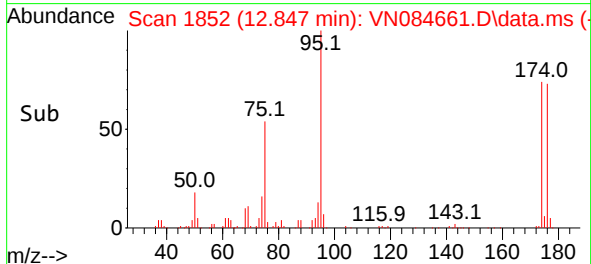
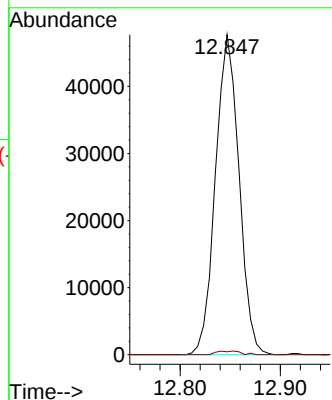
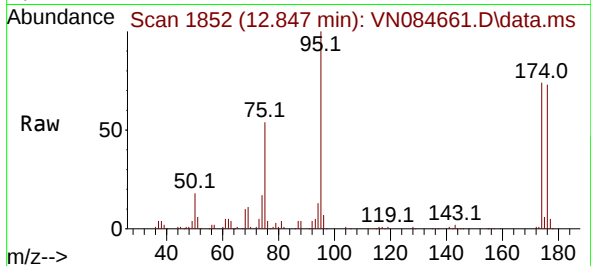




#76
1,2,3-Trichloropropane
Concen: 27.474 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

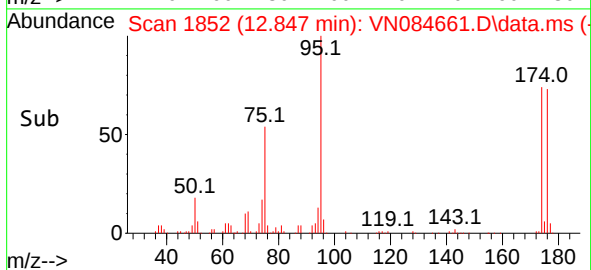
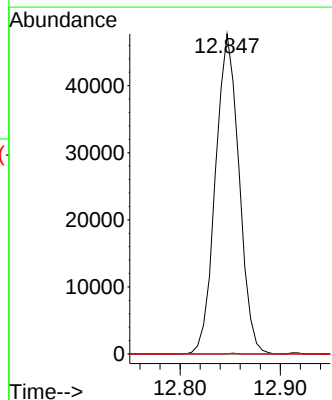
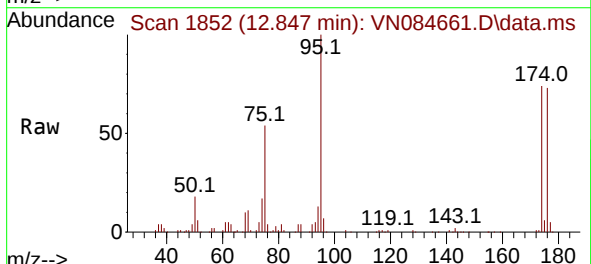
Instrument :
MSVOA_N
ClientSampleId :

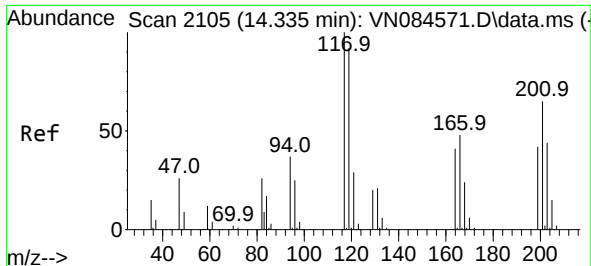
Tgt Ion: 75 Resp: 77887
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.179 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

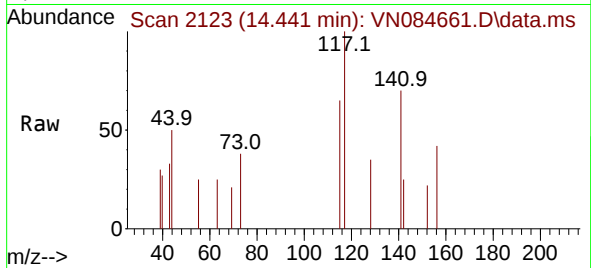
Tgt Ion: 75 Resp: 77887
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 35.5 53.3#



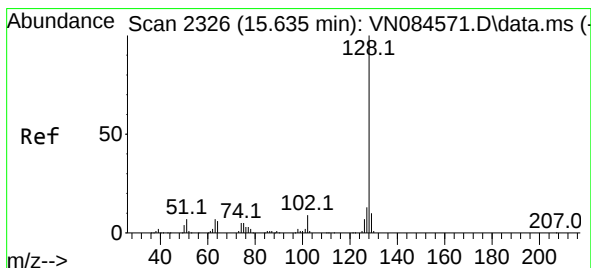
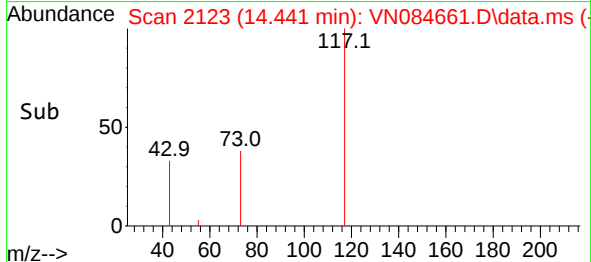
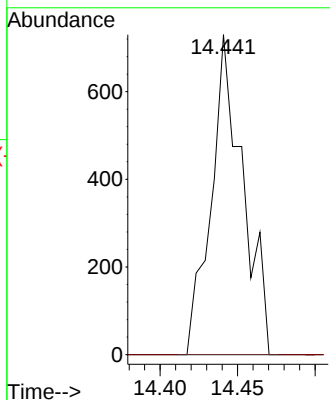


#90
Hexachloroethane
Concen: 0.588 ug/l
RT: 14.441 min Scan# 2105
Delta R.T. 0.112 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 1036
Ion Ratio Lower Upper
117 100
201 0.0 34.4 103.2#



#95
Naphthalene
Concen: 76.644 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion:128 Resp: 629152
Ion Ratio Lower Upper
128 100
127 12.4 10.5 15.7
129 11.3 8.7 13.1

