

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110524\
 Data File : VN084690.D
 Acq On : 05 Nov 2024 16:11
 Operator : JC\MD
 Sample : P4693-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

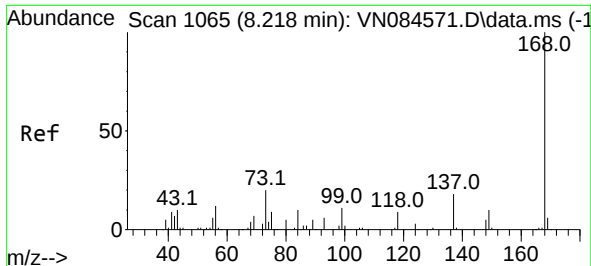
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:33:33 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	182091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	330511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128985	49.044	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.080%		
35) Dibromofluoromethane	8.165	113	105459	47.140	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.280%		
50) Toluene-d8	10.565	98	390255	47.355	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.720%		
62) 4-Bromofluorobenzene	12.847	95	153217	49.747	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.500%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	638	Below Cal	#	80
6) Chloroethane	3.136	64	388	Below Cal	#	45
11) Tert butyl alcohol	5.489	59	3571	10.286	ug/l #	73
16) Acetone	4.430	43	35523	44.413	ug/l	99
17) Carbon Disulfide	4.694	76	1482	0.232	ug/l #	75
18) Methyl Acetate	5.030	43	5840	Below Cal	#	85
20) Methylene Chloride	5.271	84	1698	0.734	ug/l #	78
25) 2-Butanone	7.488	43	4806	3.917	ug/l #	66
29) Tetrahydrofuran	7.841	42	419	0.515	ug/l #	60
31) Cyclohexane	8.212	56	3780	1.041	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15556	5.014	ug/l #	51
37) Ethyl Acetate	7.565	43	2687	0.955	ug/l #	82
38) Carbon Tetrachloride	8.218	117	20059	5.784	ug/l #	15
40) Benzene	8.606	78	2757	0.277	ug/l #	89
43) Isopropyl Acetate	8.688	43	158274	30.049	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	1181	0.505	ug/l #	44
48) Methyl methacrylate	9.671	41	2800	1.278	ug/l #	42
49) 1,4-Dioxane	9.747	88	59	1.520	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9778	3.644	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	38516	10.112	ug/l #	59
56) Ethyl methacrylate	10.976	69	1115	0.351	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4924	1.307	ug/l #	42
59) 2-Hexanone	11.171	43	92222	47.213	ug/l #	24
71) Bromoform	12.847	173	1028	0.587	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	78040	29.081	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78040	68.991	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	152	Below Cal	#	1

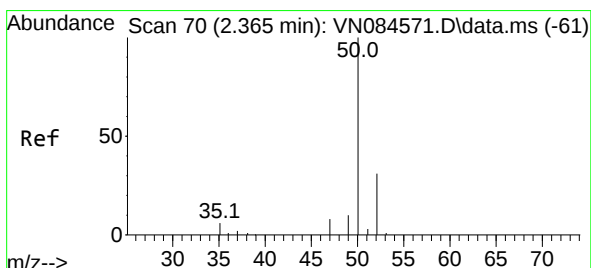
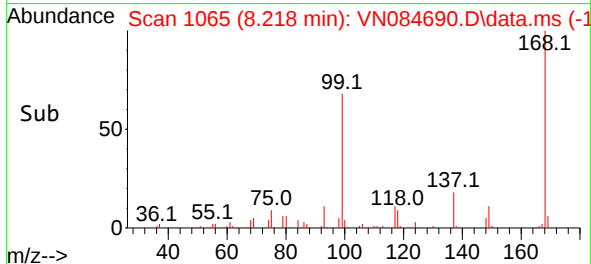
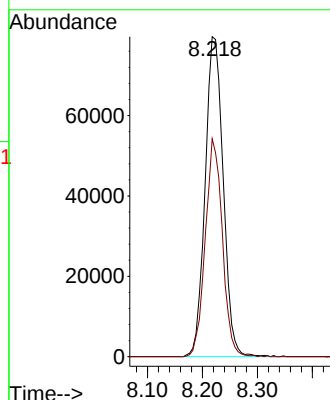
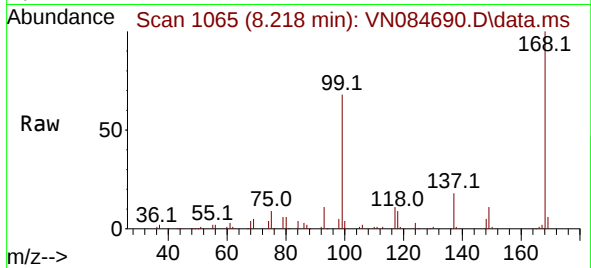
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

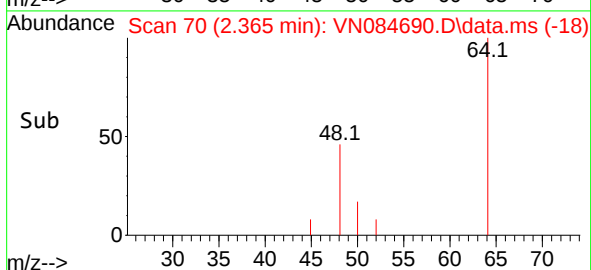
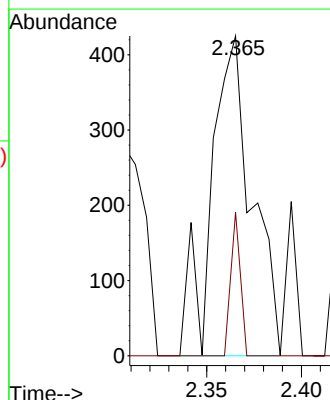
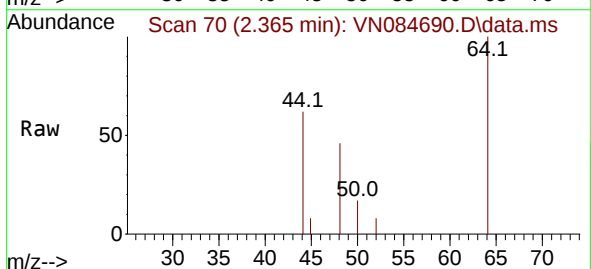
Instrument :
MSVOA_N
ClientSampleId :

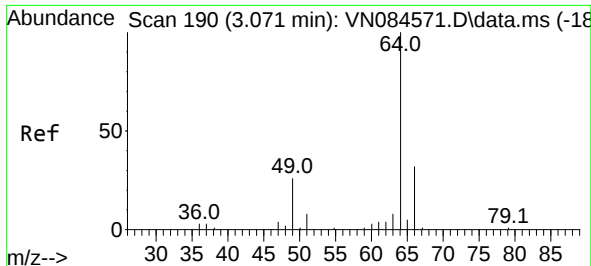
Tgt Ion:168 Resp: 182091
Ion Ratio Lower Upper
168 100
99 68.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Tgt Ion: 50 Resp: 638
Ion Ratio Lower Upper
50 100
52 44.9 26.8 40.2#

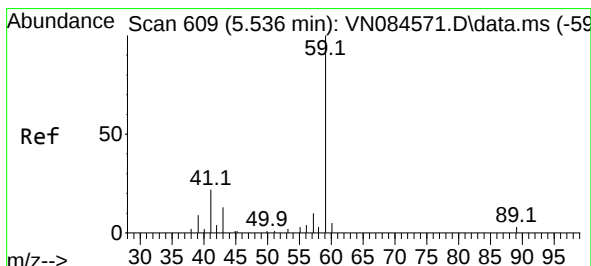
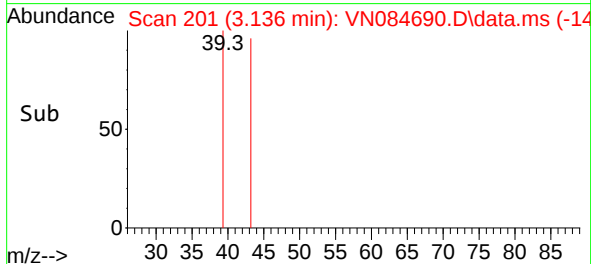
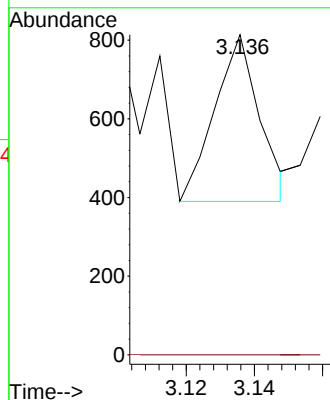
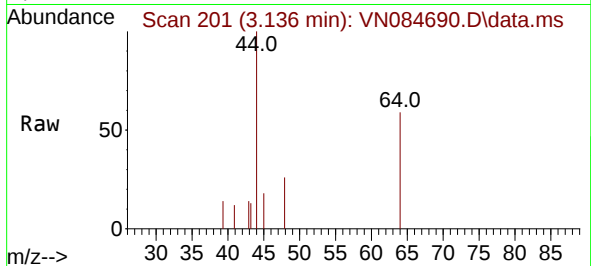




#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

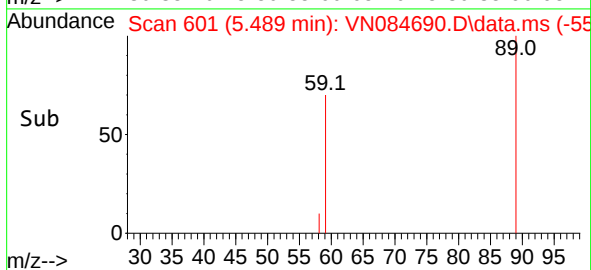
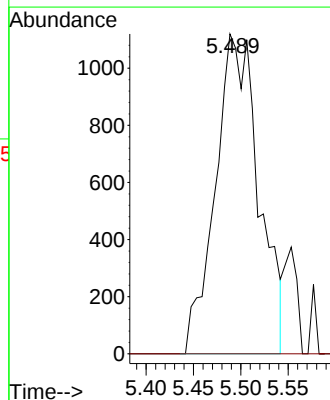
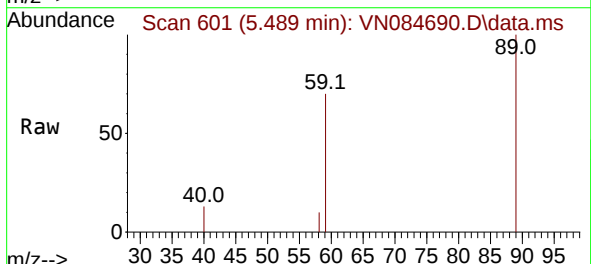
Instrument :
MSVOA_N
ClientSampleId :

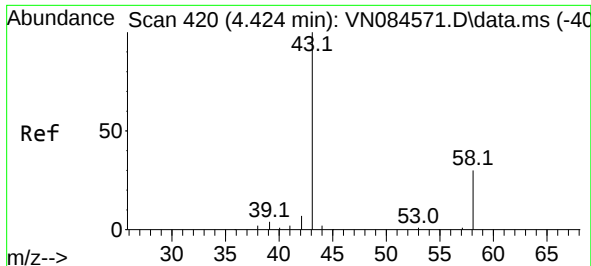
Tgt Ion: 64 Resp: 388
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 10.286 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Tgt Ion: 59 Resp: 3571
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 44.413 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084690.D

Acq: 05 Nov 2024 16:11

Instrument :

MSVOA_N

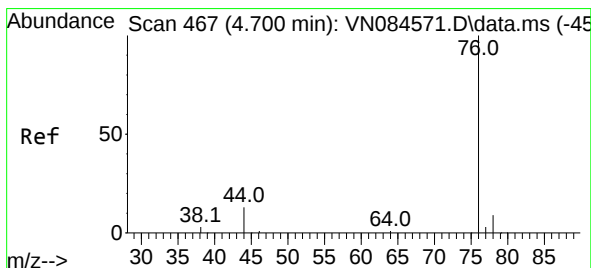
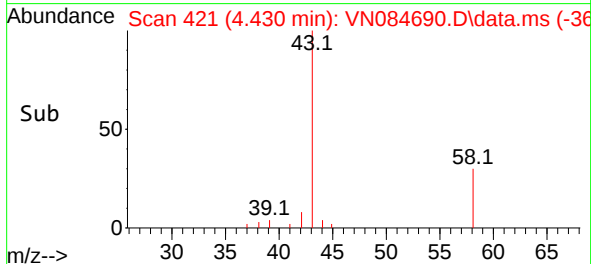
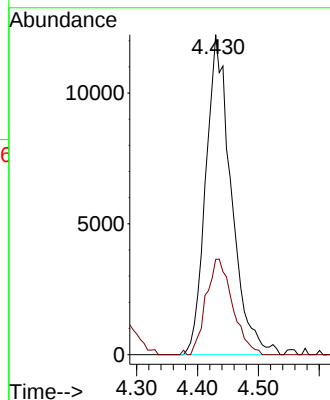
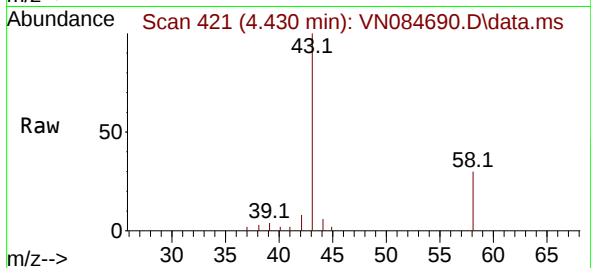
ClientSampleId :

Tgt Ion: 43 Resp: 35523

Ion Ratio Lower Upper

43 100

58 29.8 24.4 36.6



#17

Carbon Disulfide

Concen: 0.232 ug/l

RT: 4.694 min Scan# 466

Delta R.T. -0.018 min

Lab File: VN084690.D

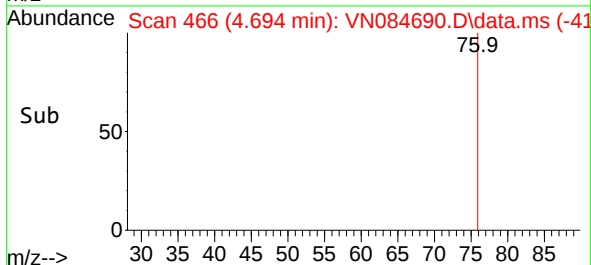
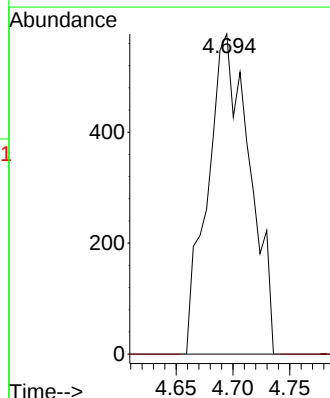
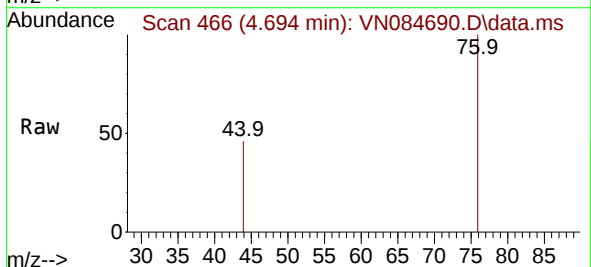
Acq: 05 Nov 2024 16:11

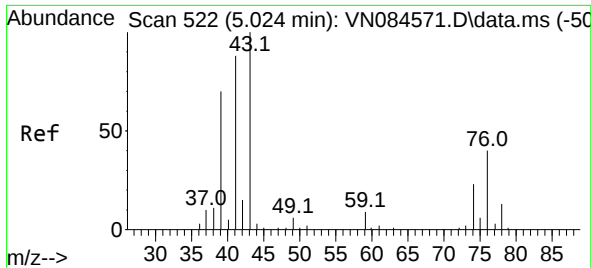
Tgt Ion: 76 Resp: 1482

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

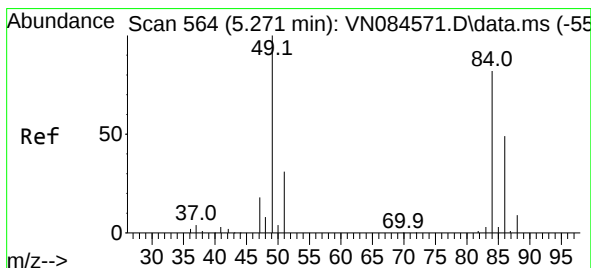
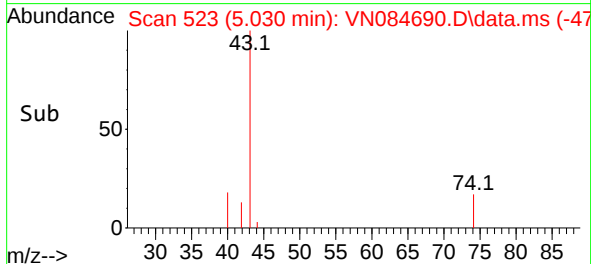
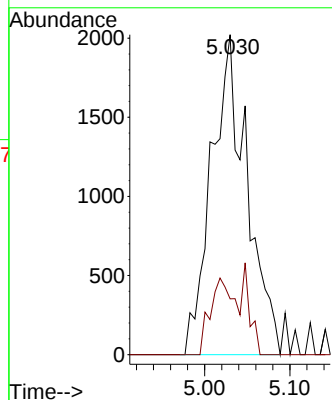
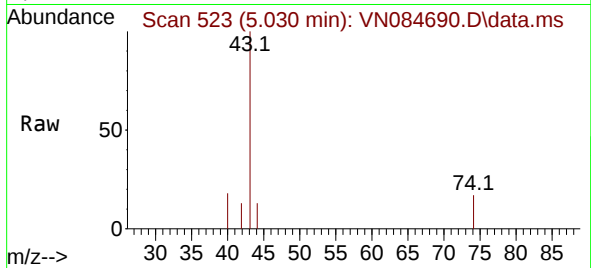




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

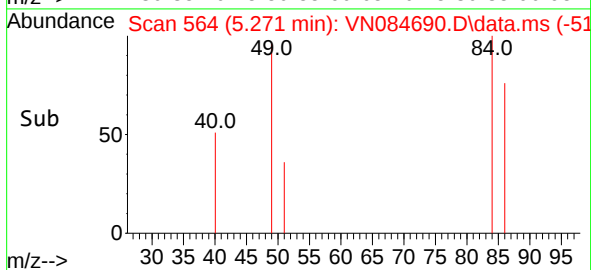
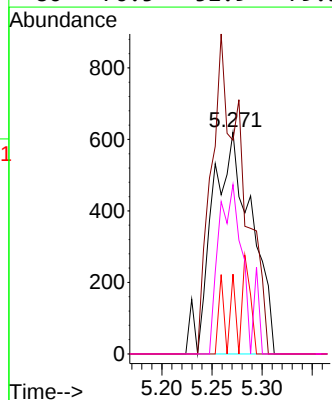
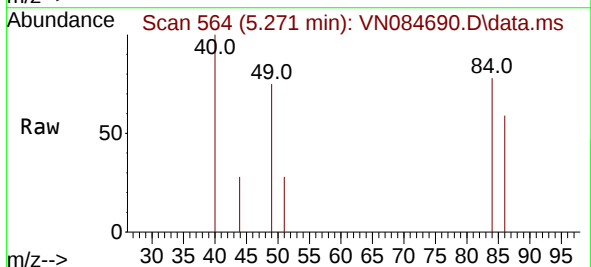
Instrument :
MSVOA_N
ClientSampleId :

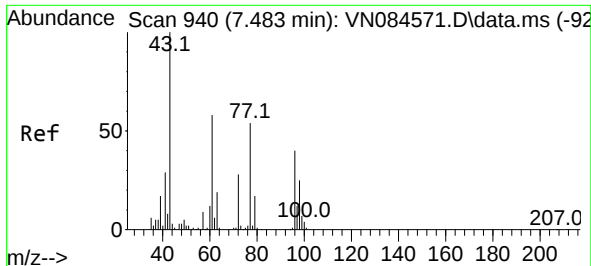
Tgt Ion: 43 Resp: 5840
Ion Ratio Lower Upper
43 100
74 16.7 19.2 28.8#



#20
Methylene Chloride
Concen: 0.734 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

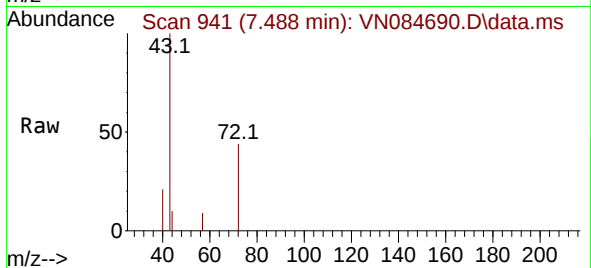
Tgt Ion: 84 Resp: 1698
Ion Ratio Lower Upper
84 100
49 96.5 107.2 160.8#
51 36.0 31.8 47.8
86 76.5 52.9 79.3



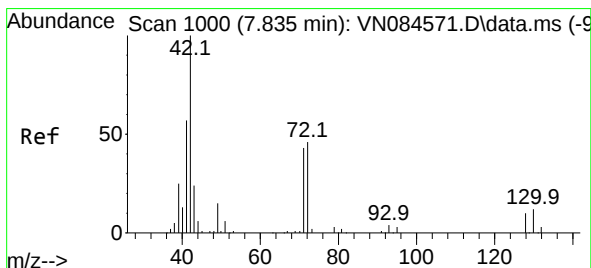
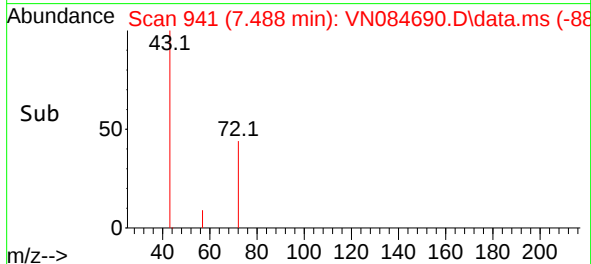
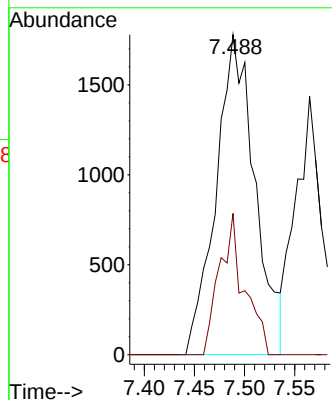


#25
2-Butanone
Concen: 3.917 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

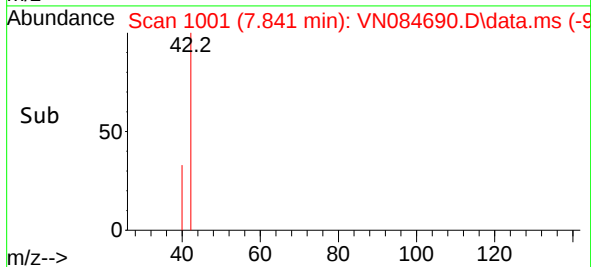
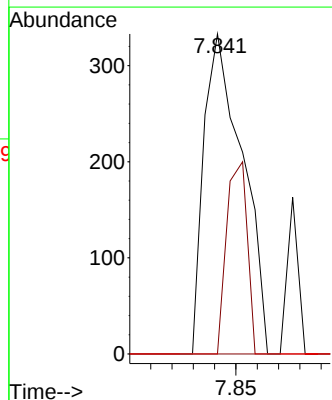
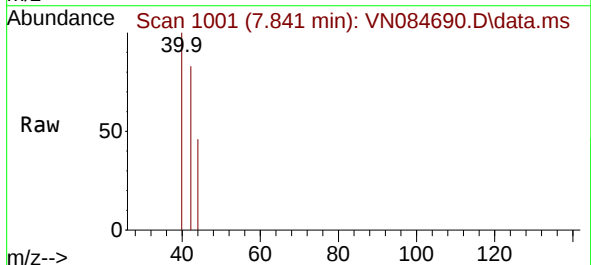


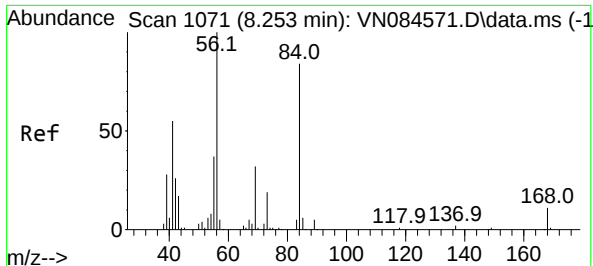
Tgt Ion: 43 Resp: 4806
Ion Ratio Lower Upper
43 100
72 44.2 21.4 32.2#



#29
Tetrahydrofuran
Concen: 0.515 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

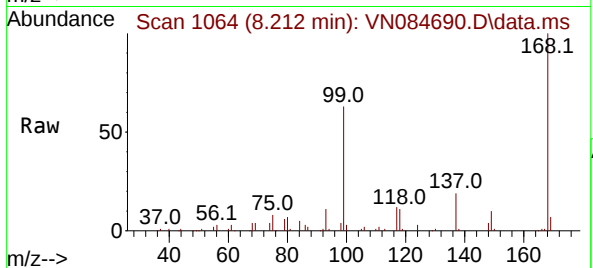
Tgt Ion: 42 Resp: 419
Ion Ratio Lower Upper
42 100
72 32.0 34.6 51.8#
71 0.0 32.2 48.4#



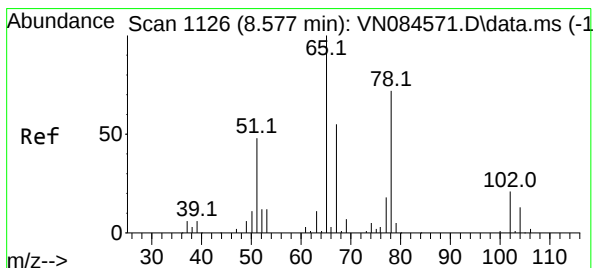
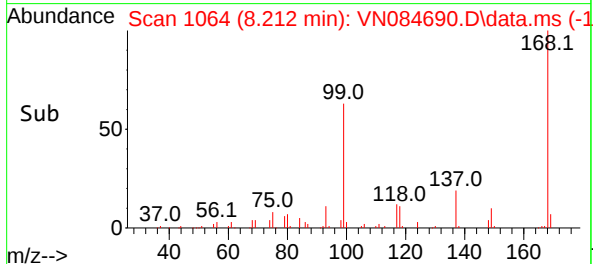
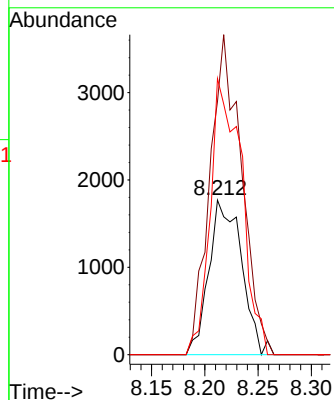


#31
Cyclohexane
Concen: 1.041 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

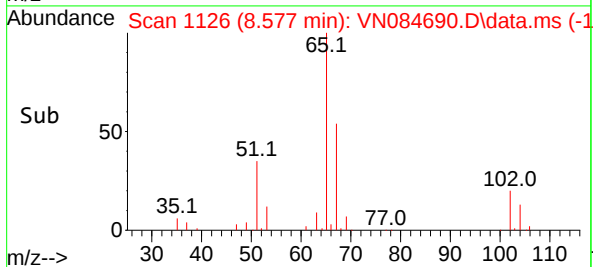
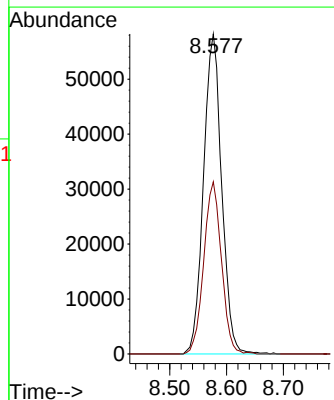
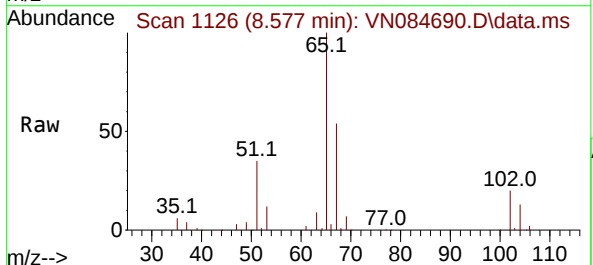


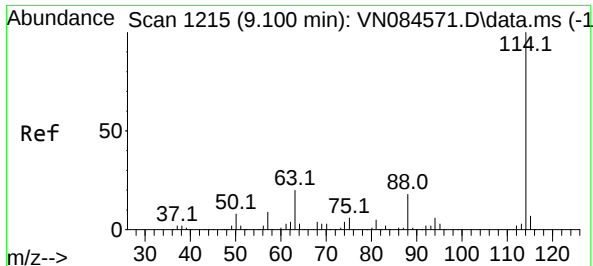
Tgt Ion: 56 Resp: 3780
Ion Ratio Lower Upper
56 100
69 163.7 23.8 35.6#
84 178.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.044 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Tgt Ion: 65 Resp: 128985
Ion Ratio Lower Upper
65 100
67 52.5 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: VN084690.D

Acq: 05 Nov 2024 16:11

Instrument :

MSVOA_N

ClientSampleId :

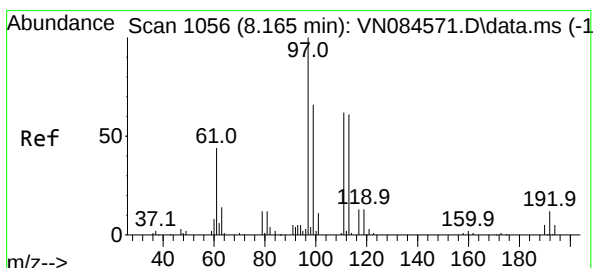
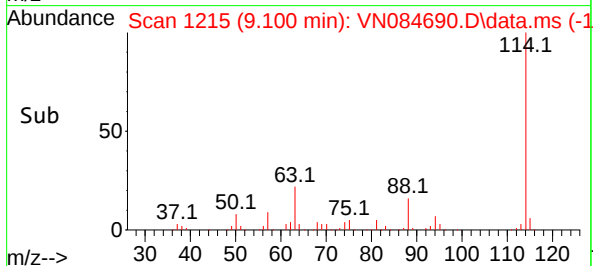
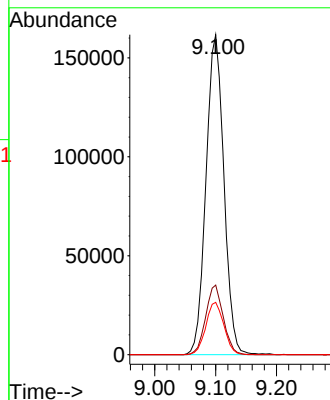
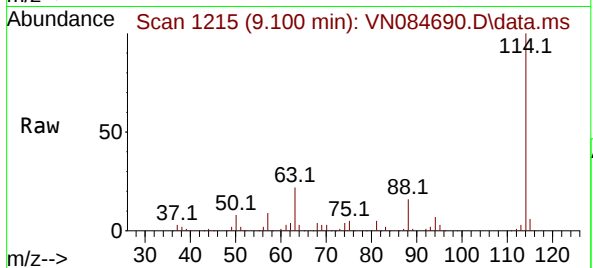
Tgt Ion:114 Resp: 330511

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.8

88 16.4 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.140 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084690.D

Acq: 05 Nov 2024 16:11

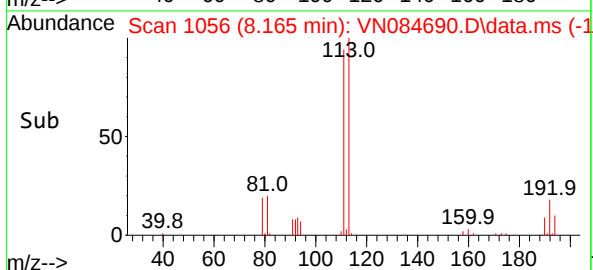
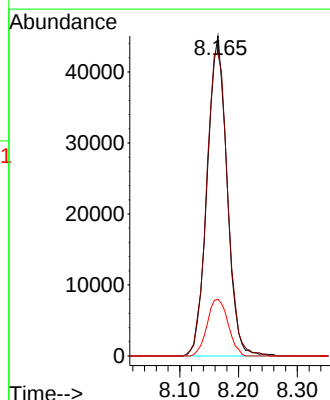
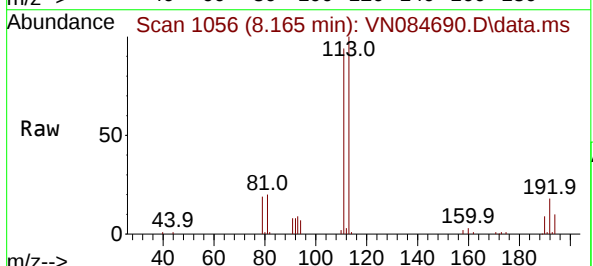
Tgt Ion:113 Resp: 105459

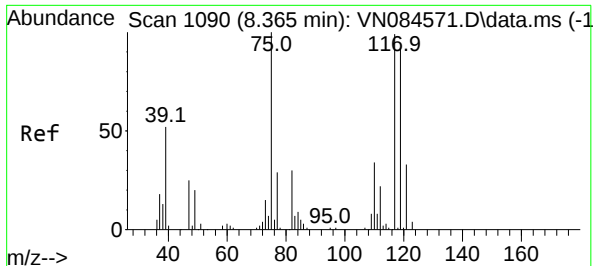
Ion Ratio Lower Upper

113 100

111 101.2 83.3 124.9

192 18.7 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.014 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

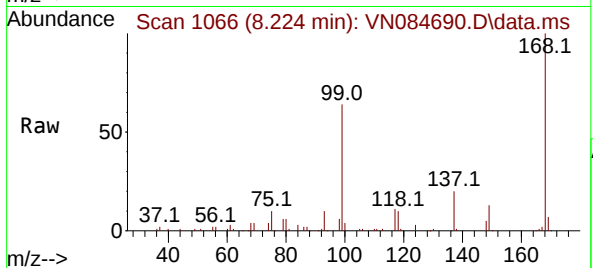
Lab File: VN084690.D

Acq: 05 Nov 2024 16:11

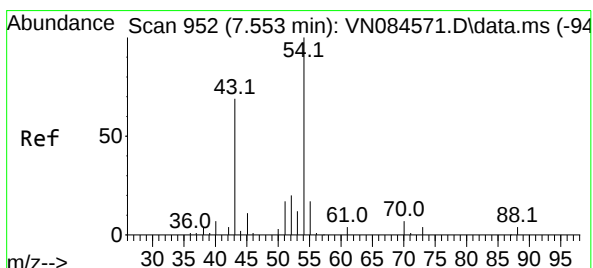
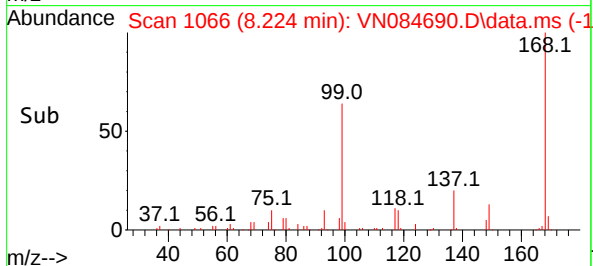
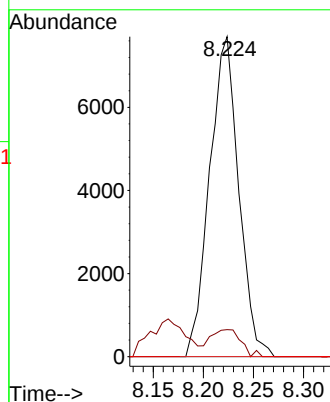
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	15556
Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.9	50.7#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 0.955 ug/l

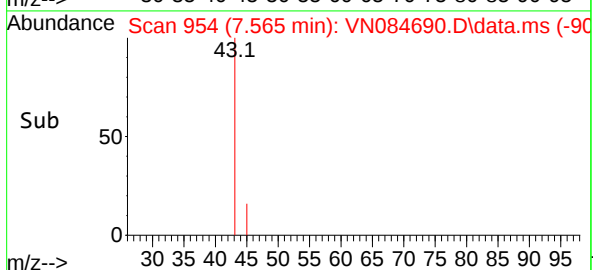
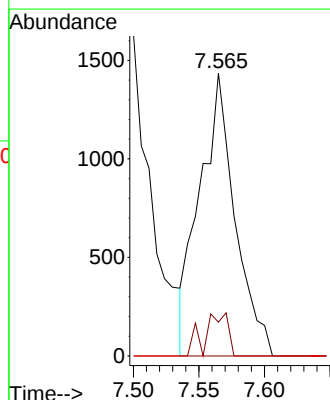
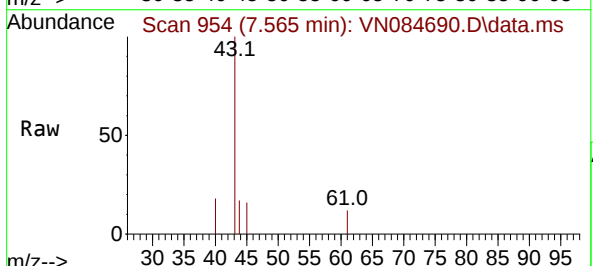
RT: 7.565 min Scan# 954

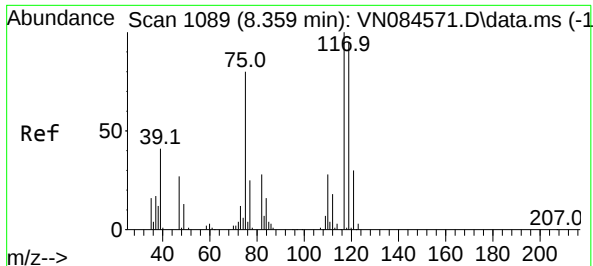
Delta R.T. 0.006 min

Lab File: VN084690.D

Acq: 05 Nov 2024 16:11

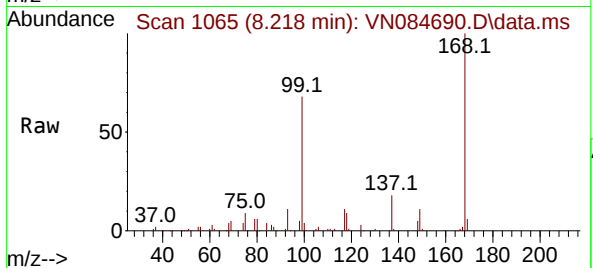
Tgt Ion:	43	Resp:	2687
Ion	Ratio	Lower	Upper
43	100		
61	10.1	10.7	16.1#
70	0.0	8.8	13.2#



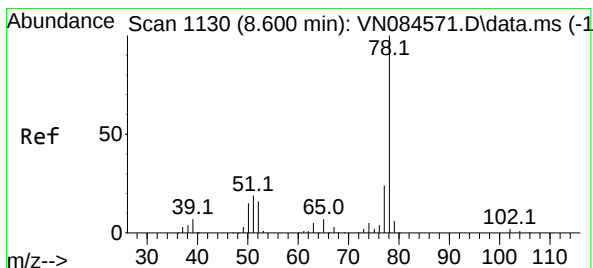
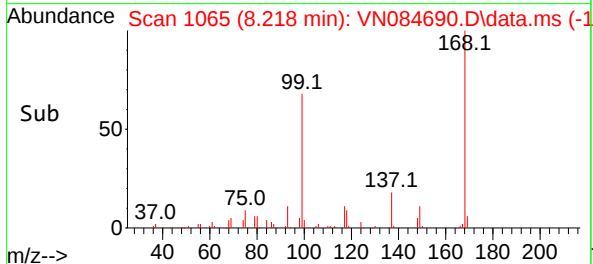
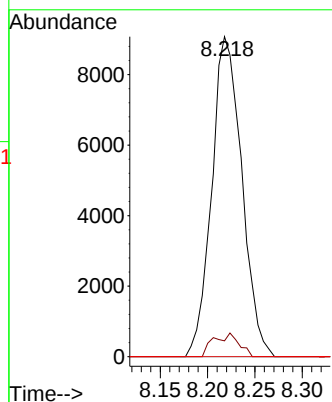


#38
Carbon Tetrachloride
Concen: 5.784 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

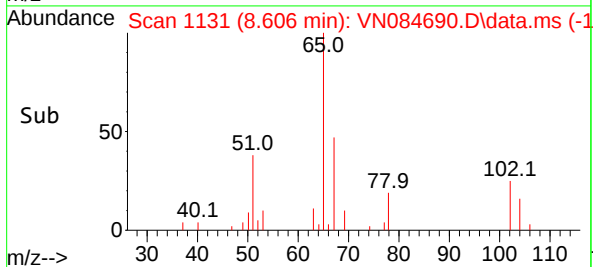
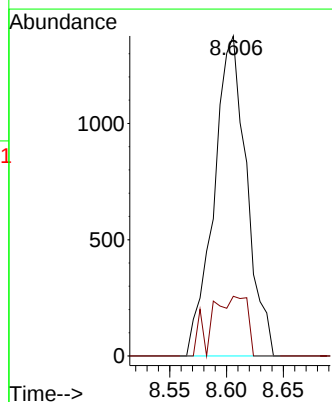
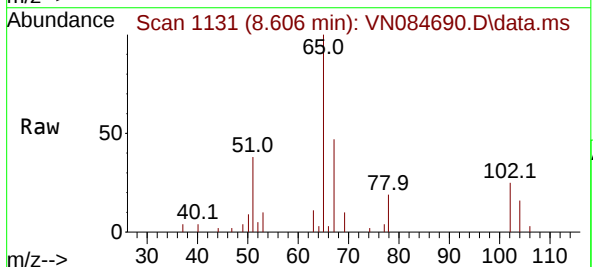


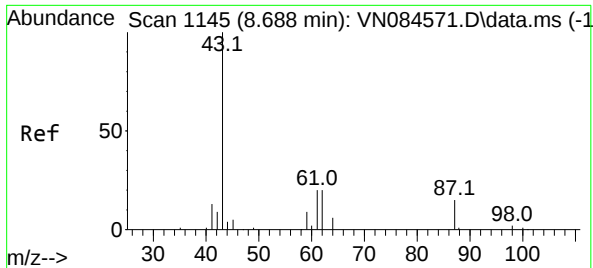
Tgt Ion:117 Resp: 20059
Ion Ratio Lower Upper
117 100
119 4.9 78.7 118.1#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.277 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Tgt Ion: 78 Resp: 2757
Ion Ratio Lower Upper
78 100
77 18.7 19.1 28.7#

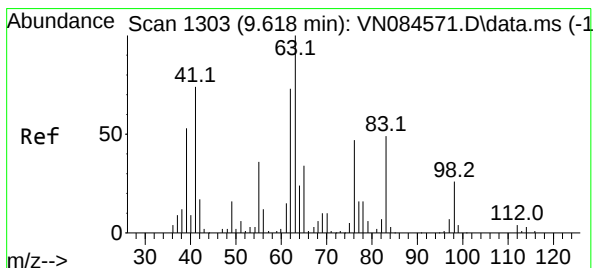
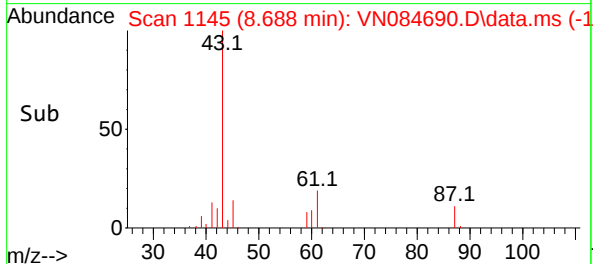
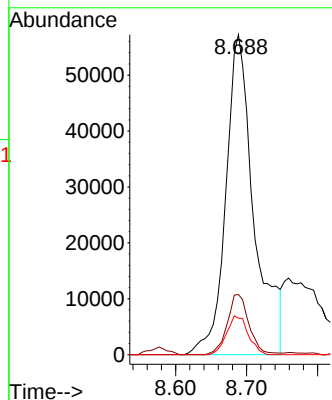
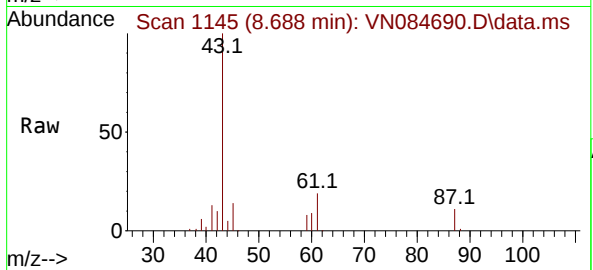




#43
Isopropyl Acetate
Concen: 30.049 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

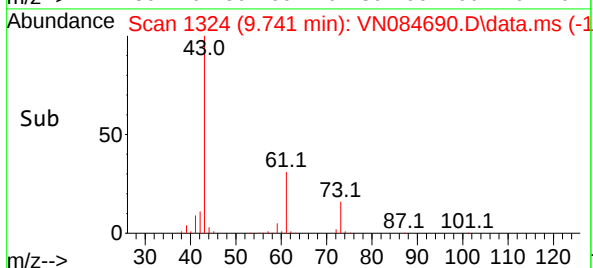
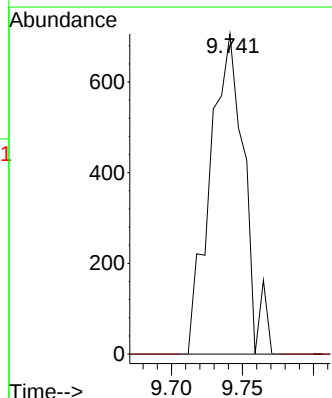
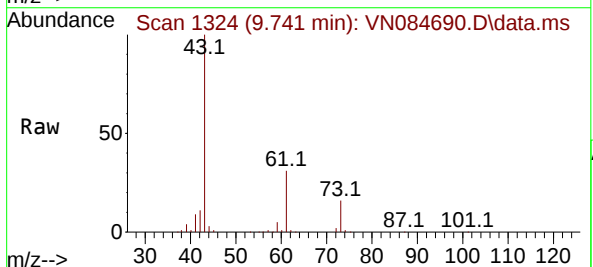
Instrument :
MSVOA_N
ClientSampleId :

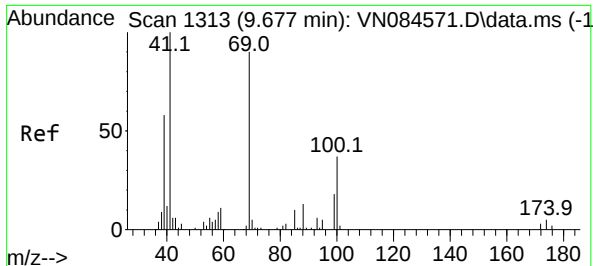
Tgt Ion: 43 Resp: 158274
Ion Ratio Lower Upper
43 100
61 14.5 20.4 30.6#
87 9.2 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.505 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Tgt Ion: 63 Resp: 1181
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

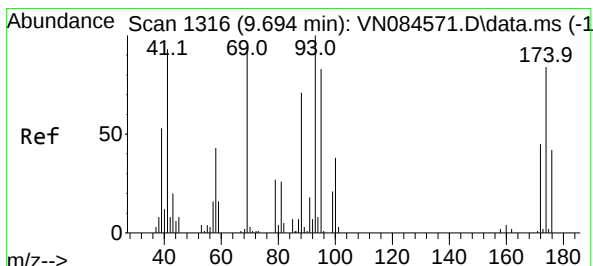
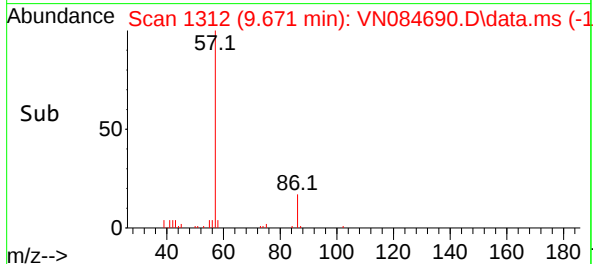
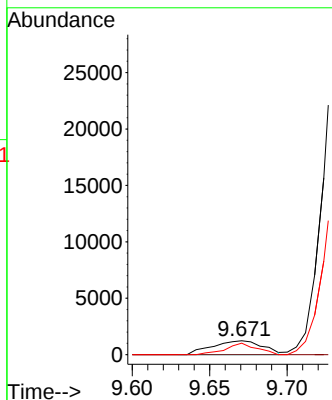
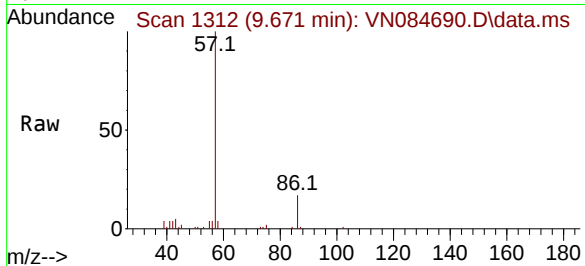




#48
Methyl methacrylate
Concen: 1.278 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

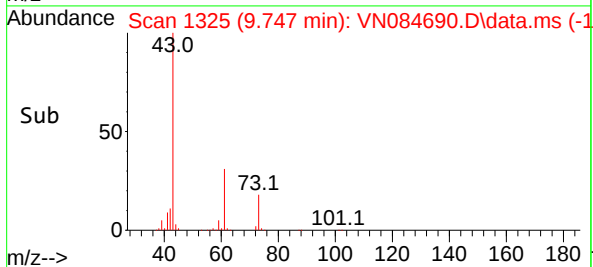
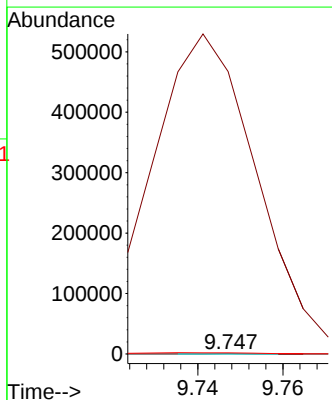
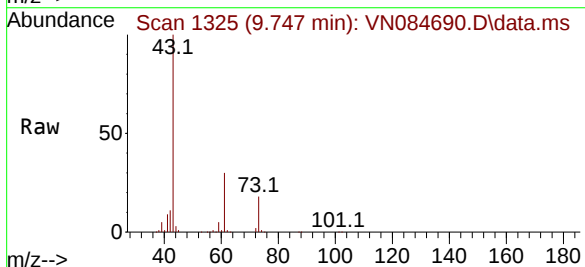
Instrument :
MSVOA_N
ClientSampleId :

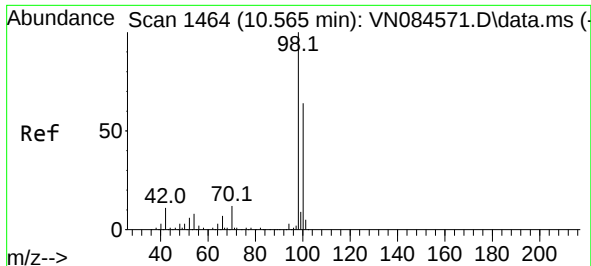
Tgt Ion: 41 Resp: 2800
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 51.1 45.8 68.6



#49
1,4-Dioxane
Concen: 1.520 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 1596381.4 25.3 37.9#
58 6883.1 56.4 84.6#

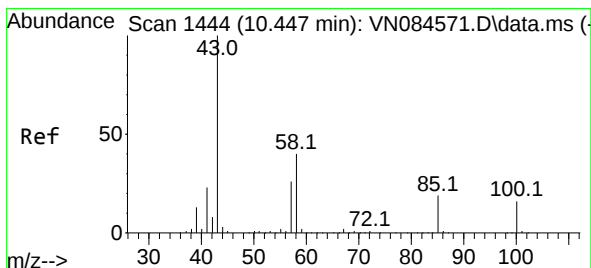
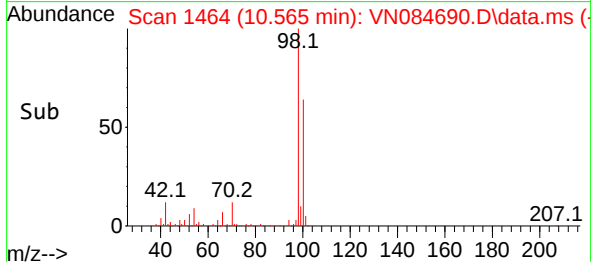
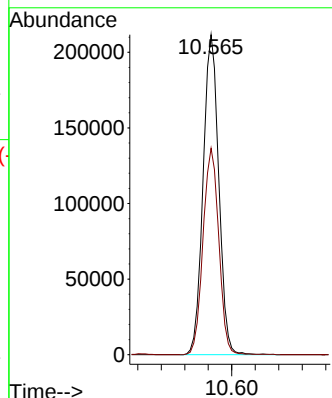
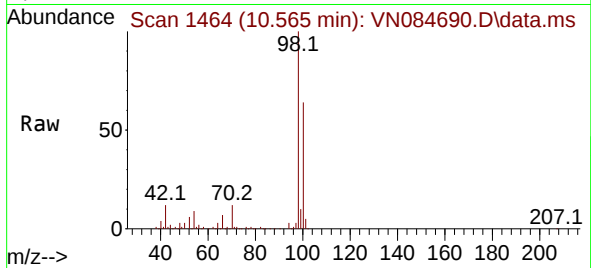




#50
Toluene-d8
Concen: 47.355 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

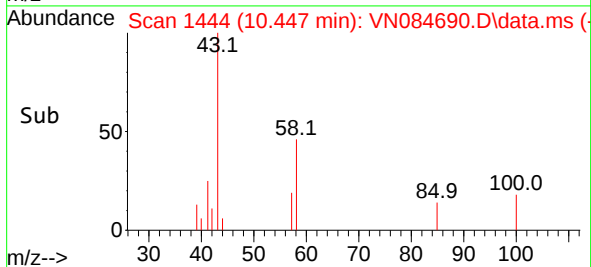
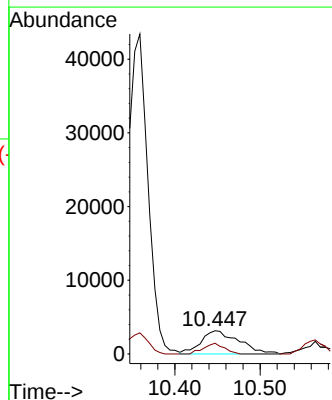
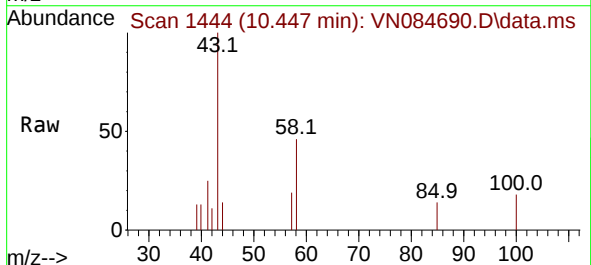
Instrument :
MSVOA_N
ClientSampleId :

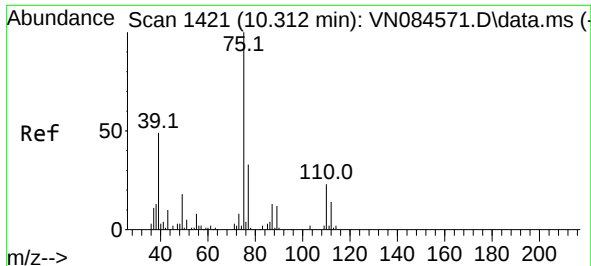
Tgt Ion: 98 Resp: 390255
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.644 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

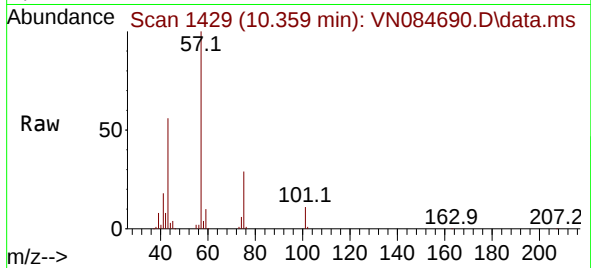
Tgt Ion: 43 Resp: 9778
Ion Ratio Lower Upper
43 100
58 25.0 31.6 47.4#



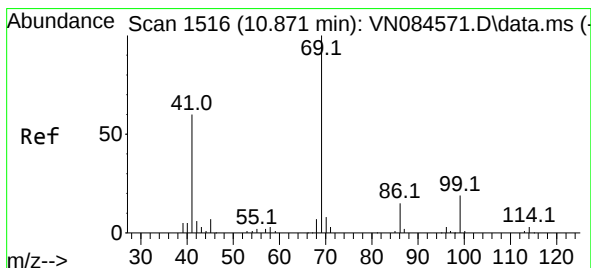
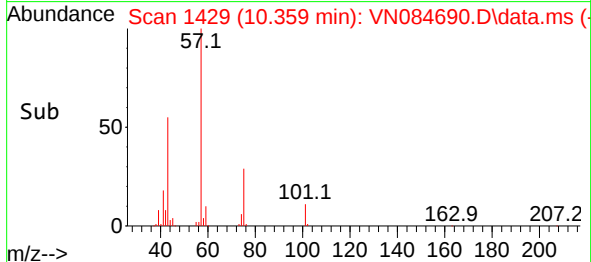
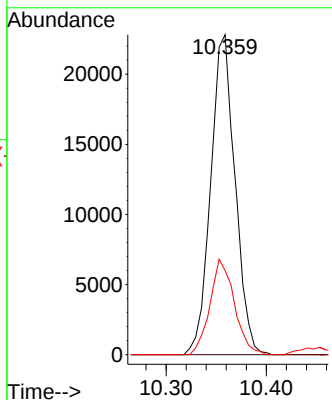


#54
cis-1,3-Dichloropropene
Concen: 10.112 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

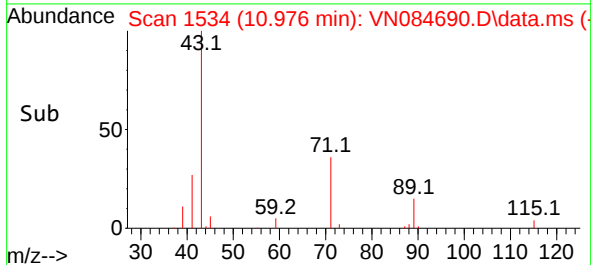
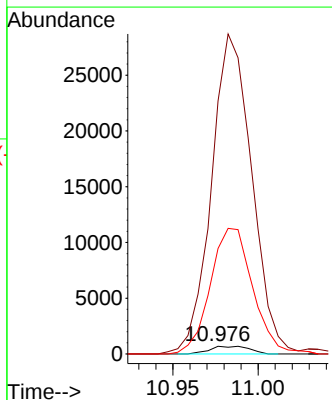
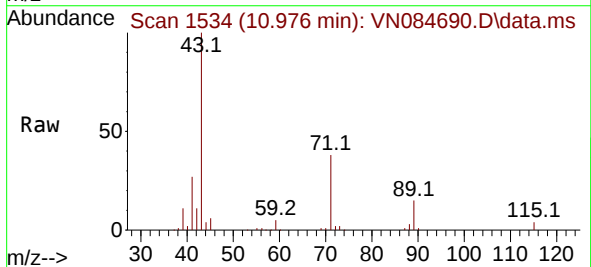


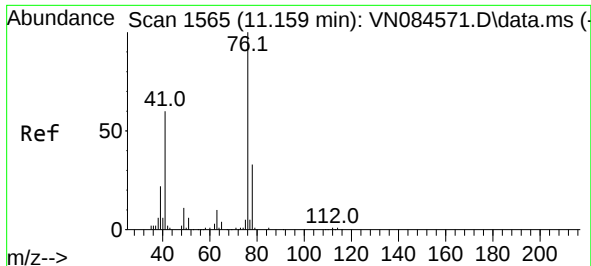
Tgt Ion: 75 Resp: 38516
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 26.3 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.351 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Tgt Ion: 69 Resp: 1115
Ion Ratio Lower Upper
69 100
41 4291.6 53.3 79.9#
39 1755.5 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.307 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN084690.D

Acq: 05 Nov 2024 16:11

Instrument :

MSVOA_N

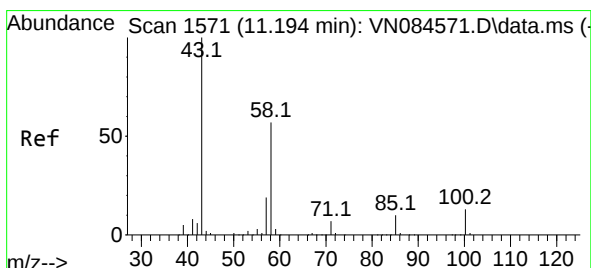
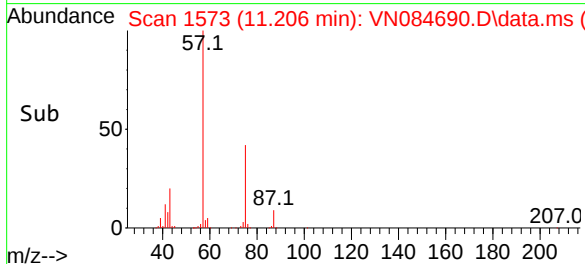
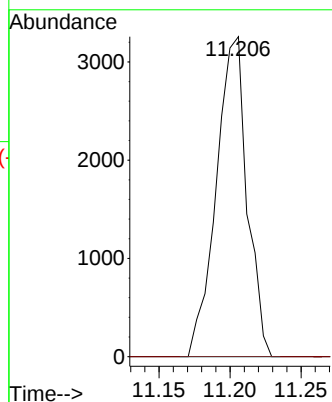
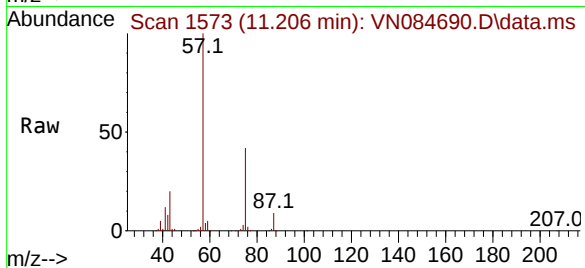
ClientSampleId :

Tgt Ion: 76 Resp: 4924

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 47.213 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084690.D

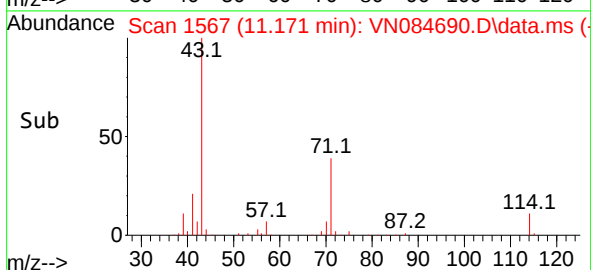
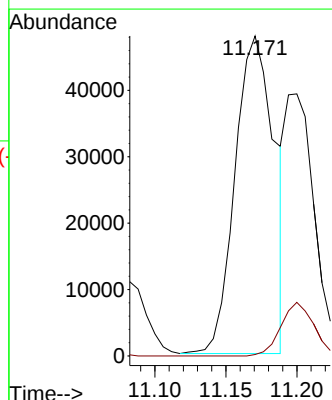
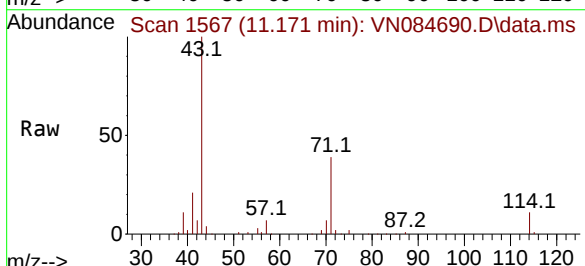
Acq: 05 Nov 2024 16:11

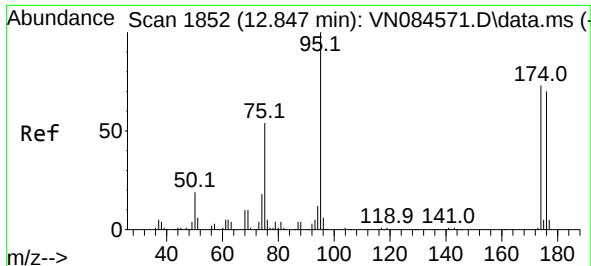
Tgt Ion: 43 Resp: 92222

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

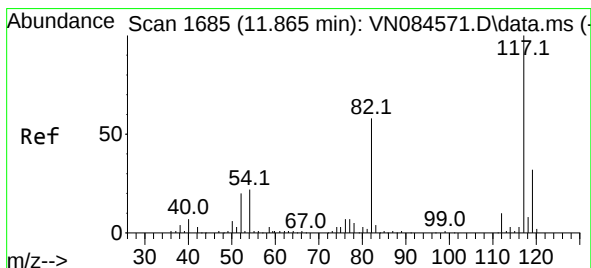
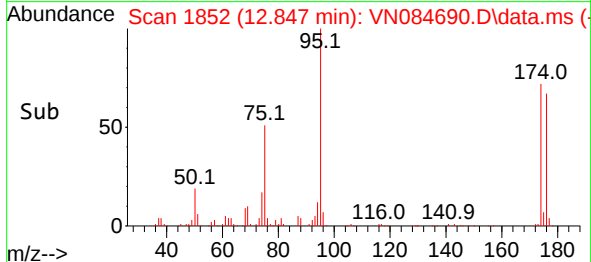
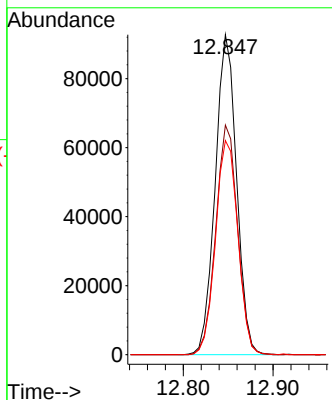
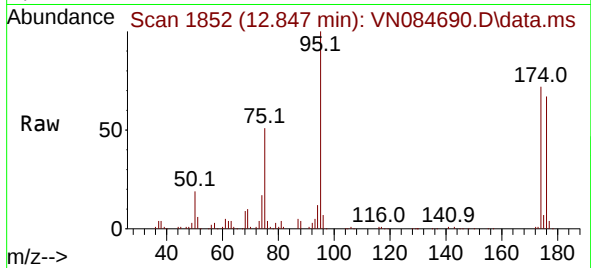




#62
4-Bromofluorobenzene
Concen: 49.747 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

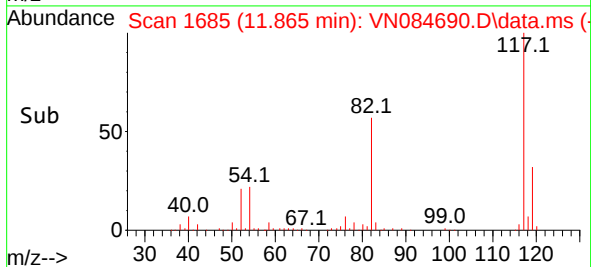
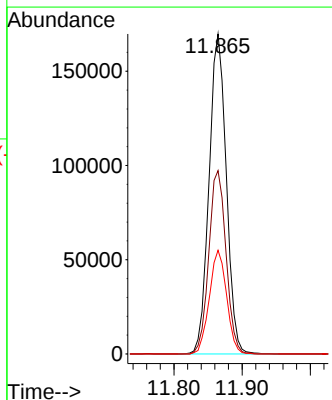
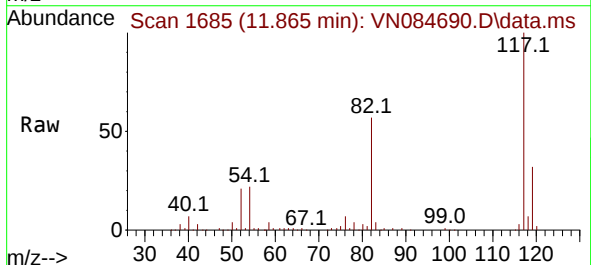
Instrument :
MSVOA_N
ClientSampleId :

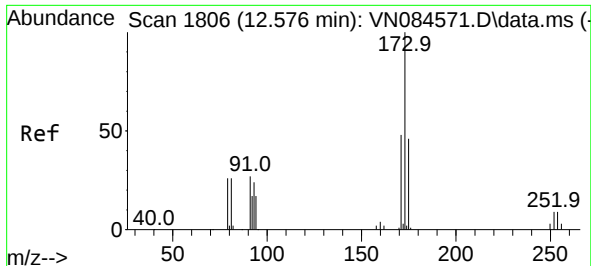
Tgt Ion: 95 Resp: 153217
Ion Ratio Lower Upper
95 100
174 73.5 0.0 145.2
176 70.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

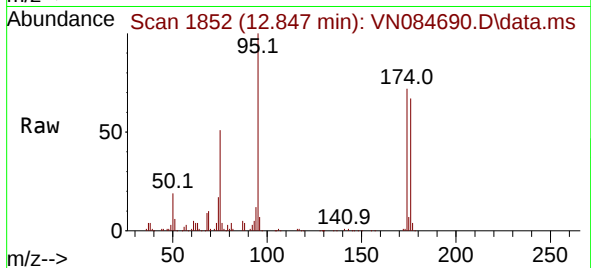
Tgt Ion: 117 Resp: 298955
Ion Ratio Lower Upper
117 100
82 57.3 47.2 70.8
119 32.4 25.4 38.0



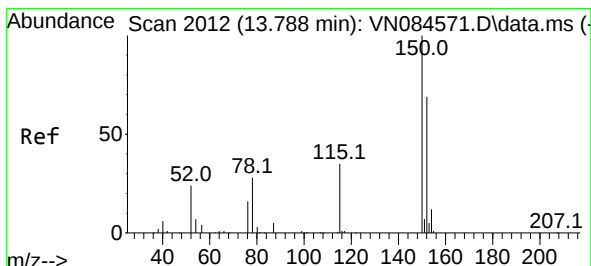
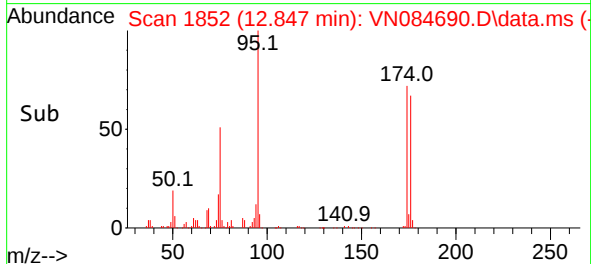
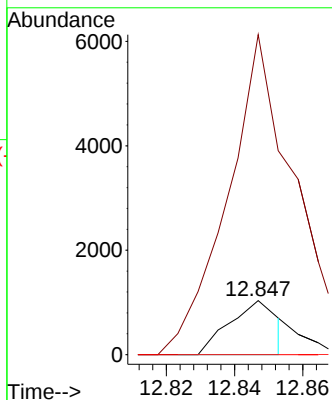


#71
Bromoform
Concen: 0.587 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

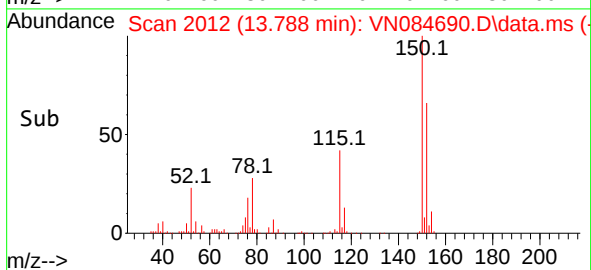
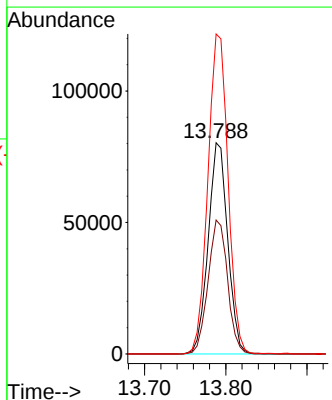
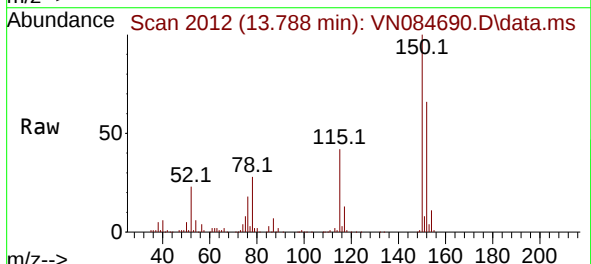


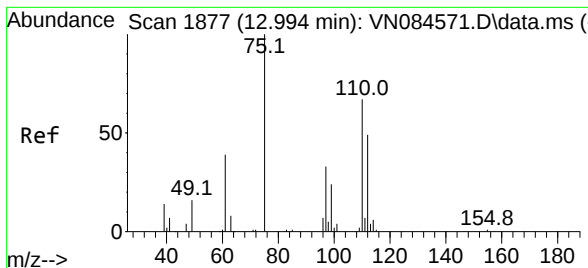
Tgt Ion:173 Resp: 1028
Ion Ratio Lower Upper
173 100
175 609.0 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN084690.D
Acq: 05 Nov 2024 16:11

Tgt Ion:152 Resp: 134248
Ion Ratio Lower Upper
152 100
115 63.2 31.3 93.9
150 156.0 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 29.081 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084690.D

Acq: 05 Nov 2024 16:11

Instrument :

MSVOA_N

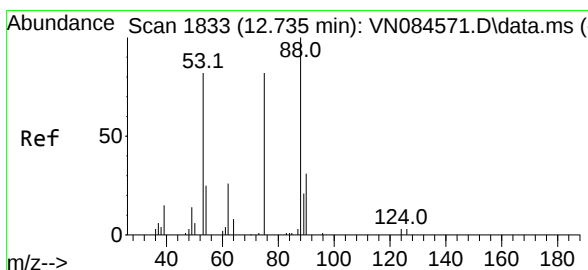
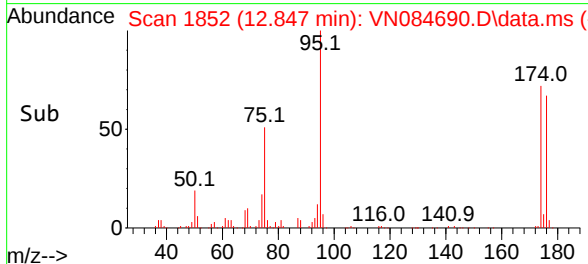
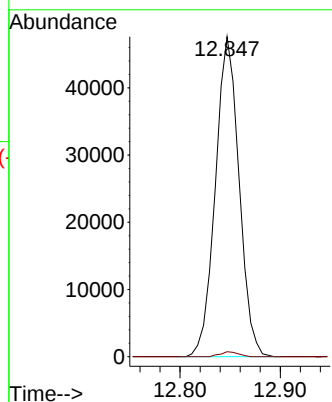
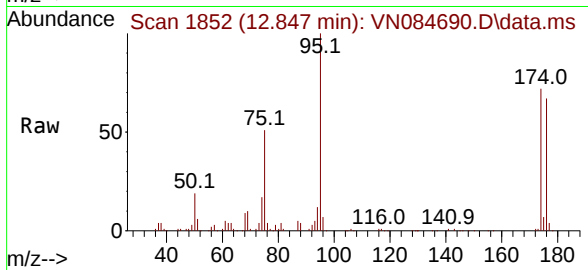
ClientSampleId :

Tgt Ion: 75 Resp: 78040

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.991 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084690.D

Acq: 05 Nov 2024 16:11

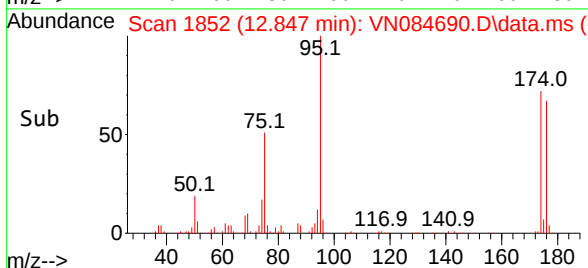
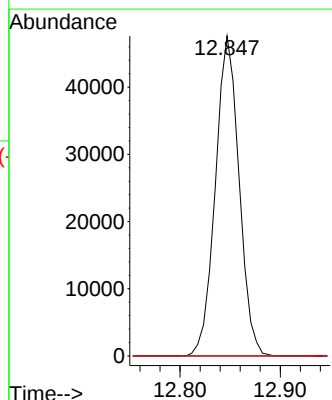
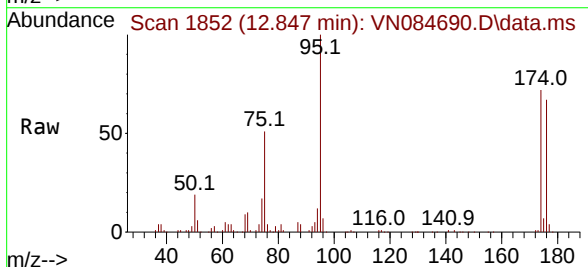
Tgt Ion: 75 Resp: 78040

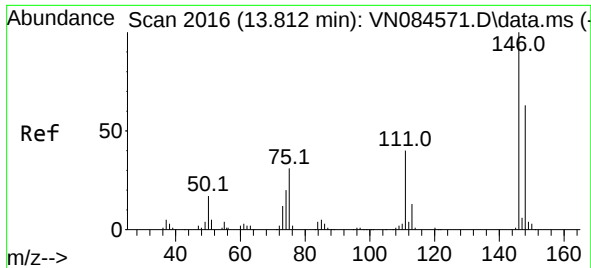
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

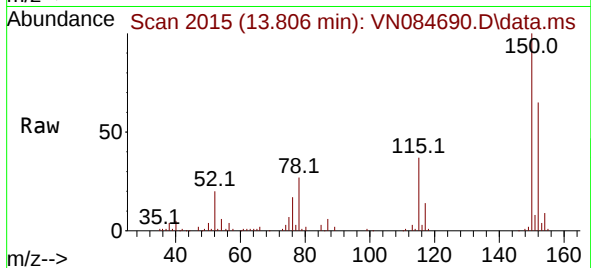
89 0.0 35.5 53.3#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.806 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN084690.D
 Acq: 05 Nov 2024 16:11

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:146 Resp: 152
 Ion Ratio Lower Upper
 146 100
 111 1411.2 21.2 63.6#
 148 296.1 31.9 95.9#

