

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
 Data File : VN084953.D
 Acq On : 19 Nov 2024 17:40
 Operator : JC\MD
 Sample : P4845-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:32:59 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	192374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	350960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	295369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134441	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	143606	51.684	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.360%	
35) Dibromofluoromethane	8.165	113	112351	47.294	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.580%	
50) Toluene-d8	10.565	98	392268	44.826	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 89.660%	
62) 4-Bromofluorobenzene	12.847	95	152010	46.479	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.960%	

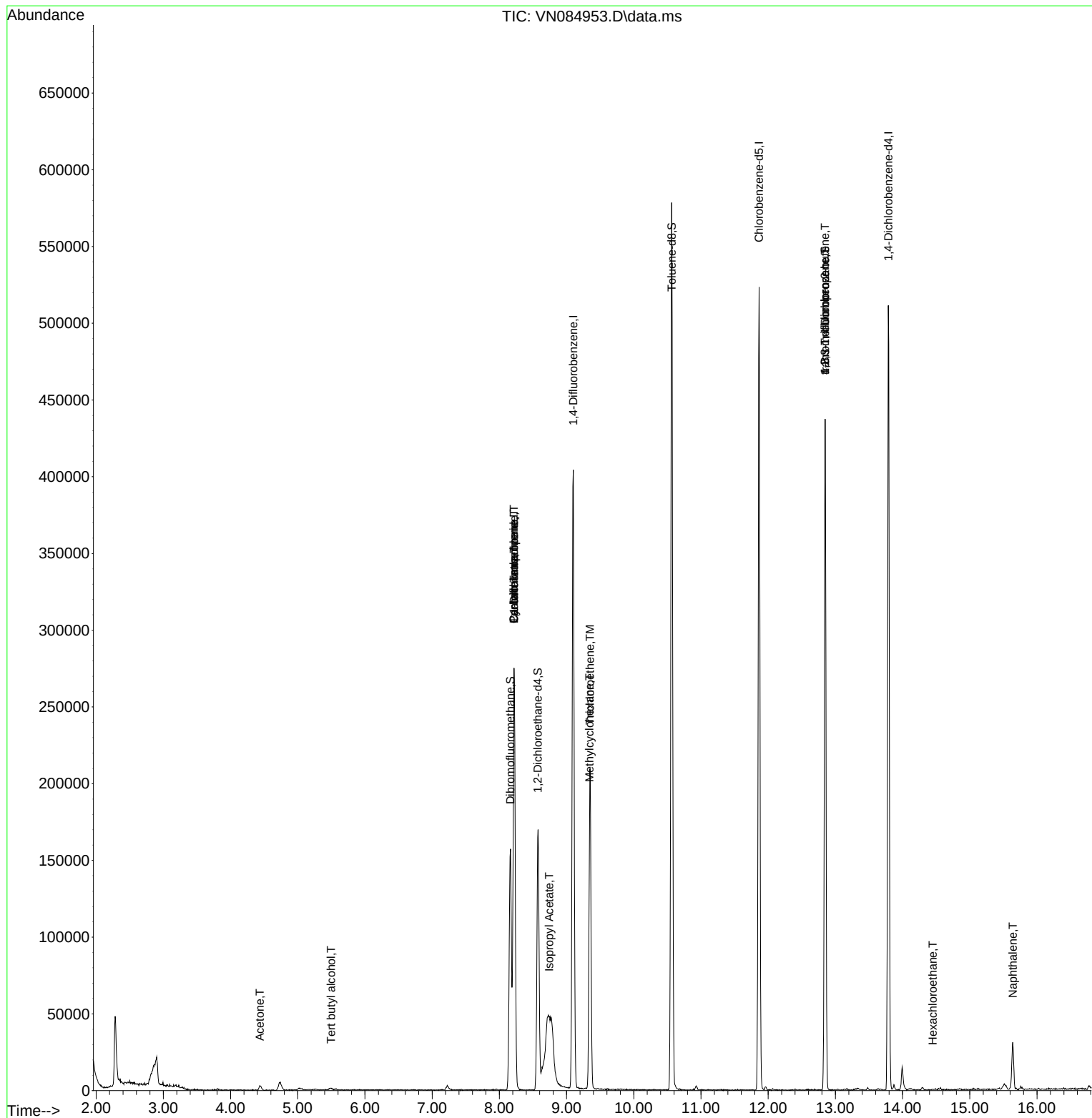
Target Compounds				Qvalue		
3) Chloromethane	2.359	50	1101	Below Cal	# 89	
6) Chloroethane	3.136	64	350	Below Cal	# 45	
11) Tert butyl alcohol	5.494	59	895	2.440	ug/l	# 73
16) Acetone	4.436	43	2531	0.304	ug/l	# 77
18) Methyl Acetate	5.036	43	3042	Below Cal	# 62	
31) Cyclohexane	8.218	56	4335	1.130	ug/l	# 1
36) 1,1-Dichloropropene	8.218	75	16777	5.092	ug/l	# 52
38) Carbon Tetrachloride	8.218	117	21120	5.735	ug/l	# 14
39) Methylcyclohexane	9.341	83	971	0.290	ug/l	# 1
43) Isopropyl Acetate	8.741	43	85364	14.778	ug/l	# 56
44) Trichloroethene	9.347	130	74043	30.344	ug/l	99
76) 1,2,3-Trichloropropane	12.847	75	80254	29.863	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	80254	70.847	ug/l	# 11
88) 1,4-Dichlorobenzene	13.806	146	79	Below Cal	# 1	
90) Hexachloroethane	14.447	117	372	0.223	ug/l	# 15
95) Naphthalene	15.641	128	28882	3.712	ug/l	100

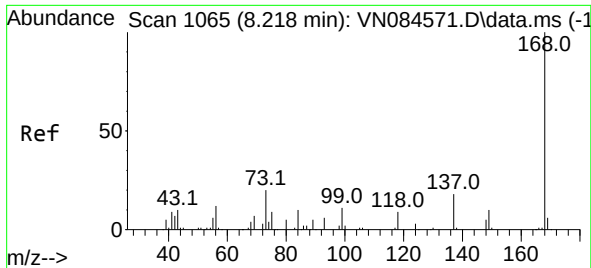
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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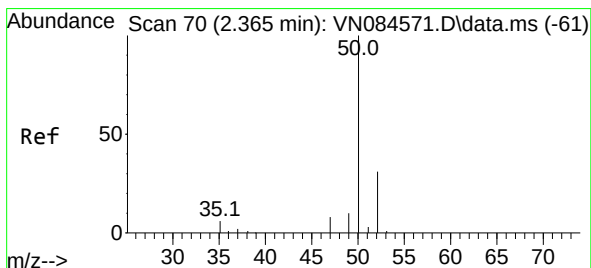
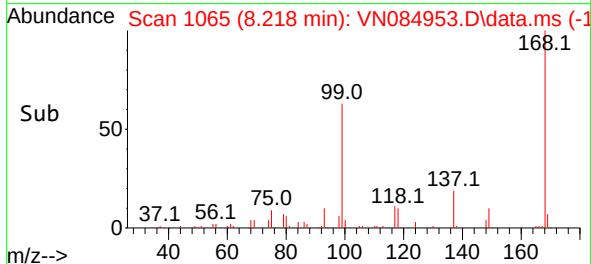
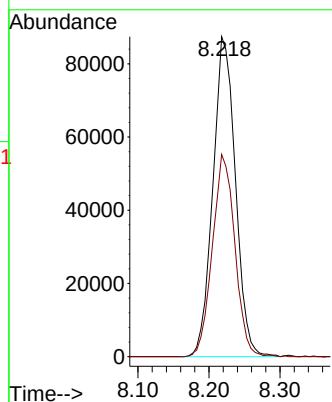
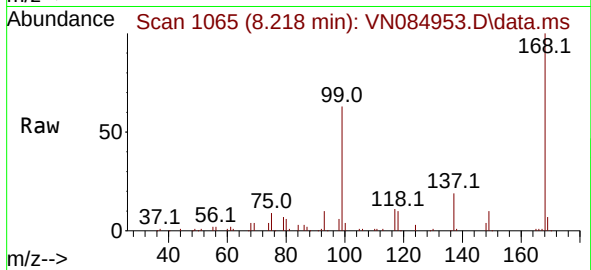




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

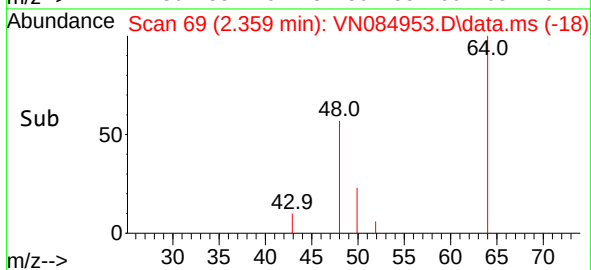
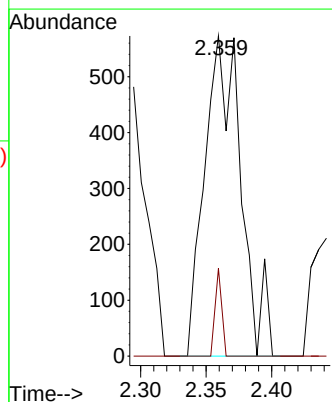
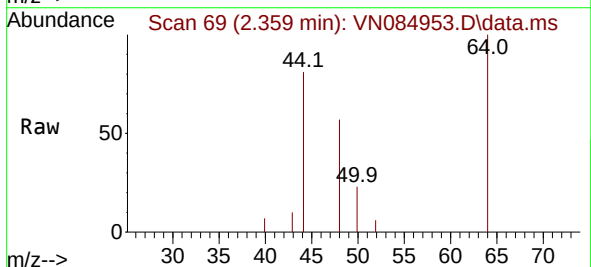
Instrument :
MSVOA_N
ClientSampleId :

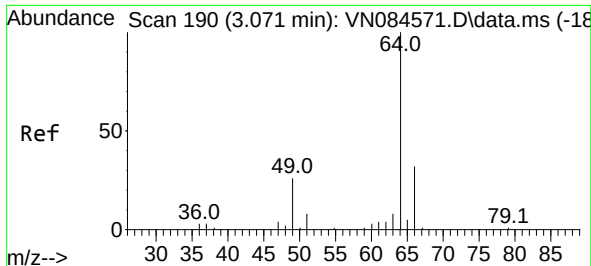
Tgt Ion:168 Resp: 192374
Ion Ratio Lower Upper
168 100
99 63.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Tgt Ion: 50 Resp: 1101
Ion Ratio Lower Upper
50 100
52 27.4 26.8 40.2

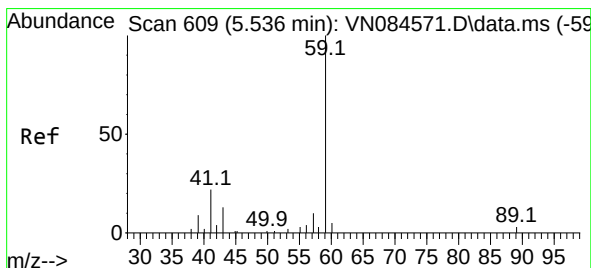
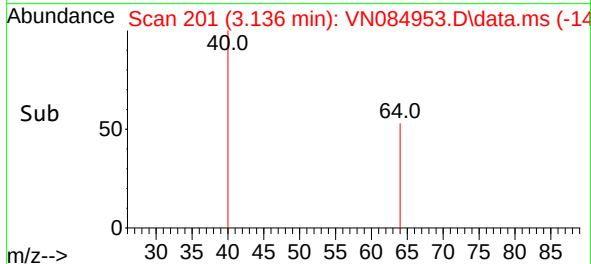
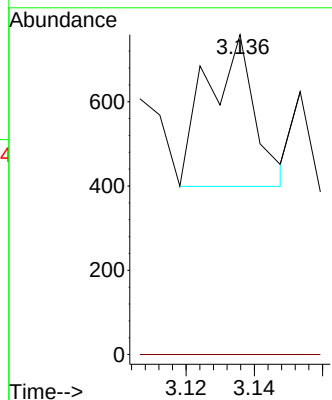
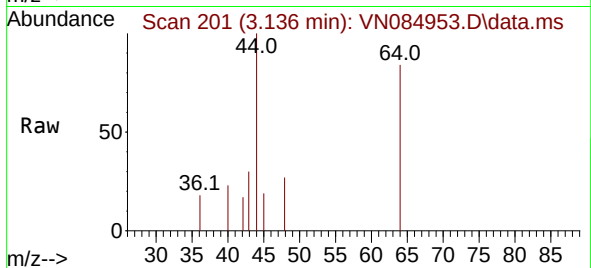




#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 20
Delta R.T. 0.018 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

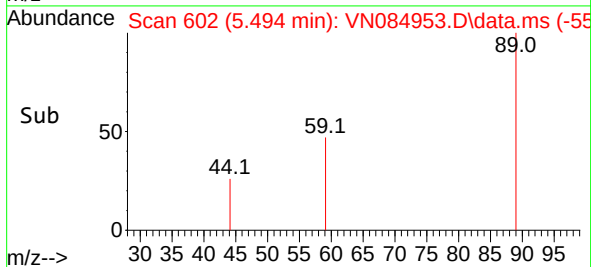
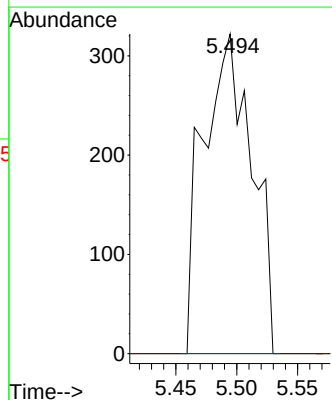
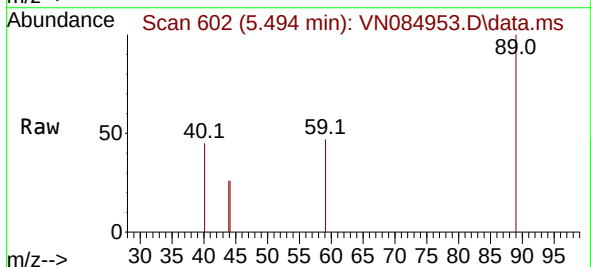
Instrument :
MSVOA_N
ClientSampleId :

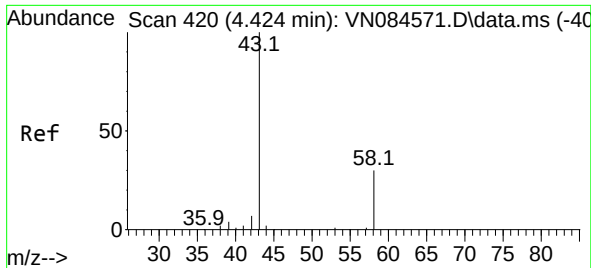
Tgt Ion: 64 Resp: 350
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 2.440 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Tgt Ion: 59 Resp: 895
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 0.304 ug/l

RT: 4.436 min Scan# 431

Delta R.T. 0.012 min

Lab File: VN084953.D

Acq: 19 Nov 2024 17:40

Instrument :

MSVOA_N

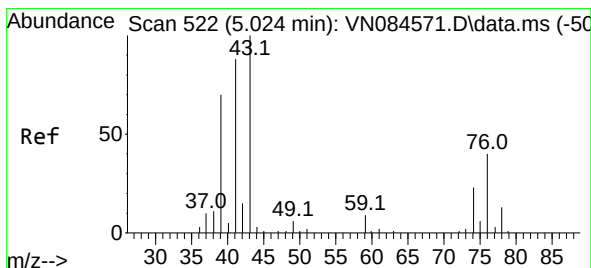
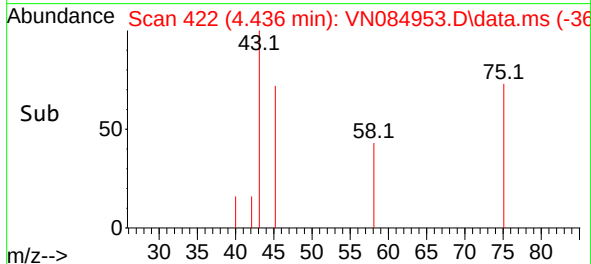
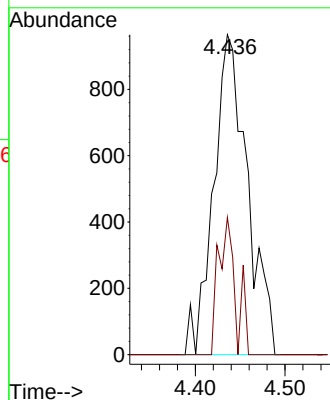
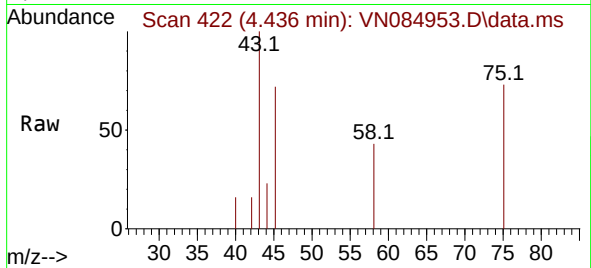
ClientSampleId :

Tgt Ion: 43 Resp: 2531

Ion Ratio Lower Upper

43 100

58 42.9 24.4 36.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.036 min Scan# 524

Delta R.T. 0.018 min

Lab File: VN084953.D

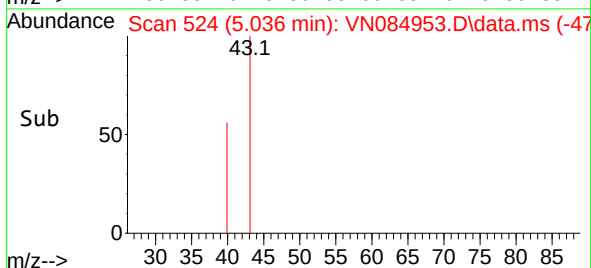
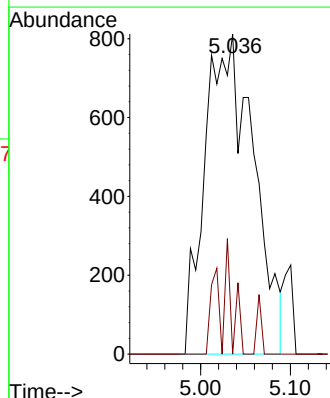
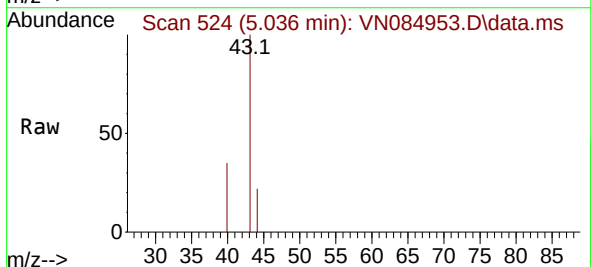
Acq: 19 Nov 2024 17:40

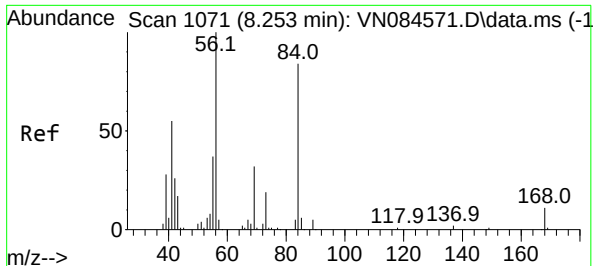
Tgt Ion: 43 Resp: 3042

Ion Ratio Lower Upper

43 100

74 5.5 19.2 28.8#





#31

Cyclohexane

Concen: 1.130 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

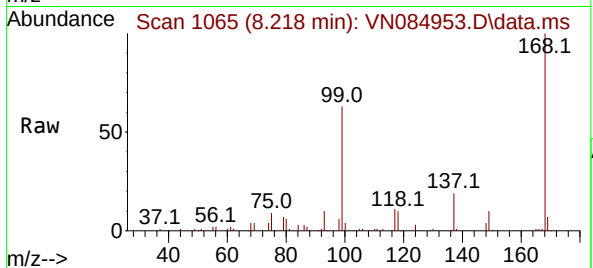
Lab File: VN084953.D

Acq: 19 Nov 2024 17:40

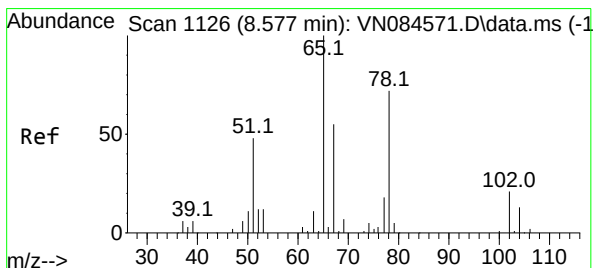
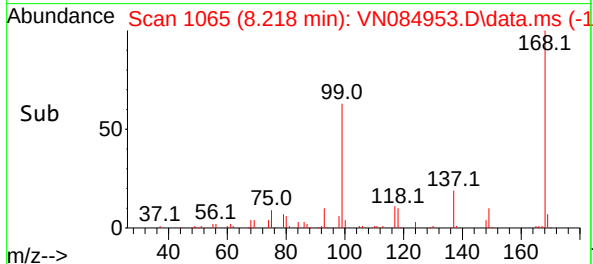
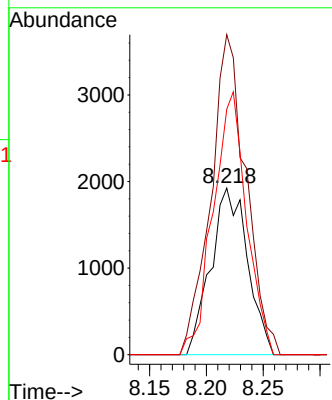
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	4335
Ion Ratio	100	Lower	Upper
56	100		
69	192.1	23.8	35.6#
84	147.3	68.8	103.2#



#33

1,2-Dichloroethane-d4

Concen: 51.684 ug/l

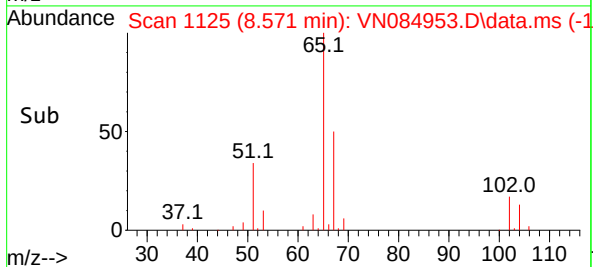
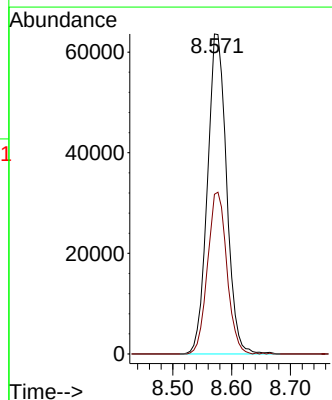
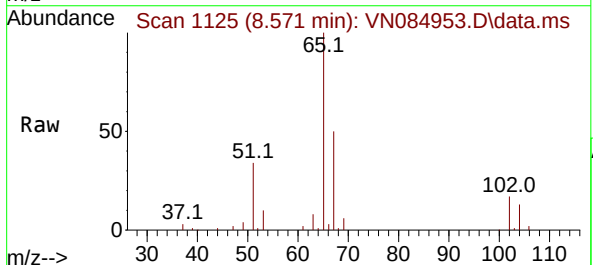
RT: 8.571 min Scan# 1125

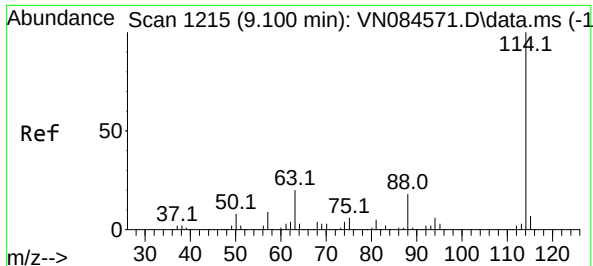
Delta R.T. -0.006 min

Lab File: VN084953.D

Acq: 19 Nov 2024 17:40

Tgt Ion:	65	Resp:	143606
Ion Ratio	100	Lower	Upper
65	100		
67	50.8	0.0	102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084953.D

Acq: 19 Nov 2024 17:40

Instrument :

MSVOA_N

ClientSampleId :

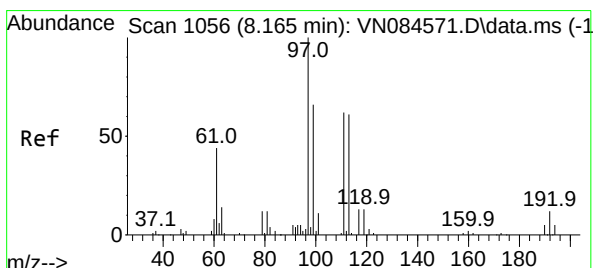
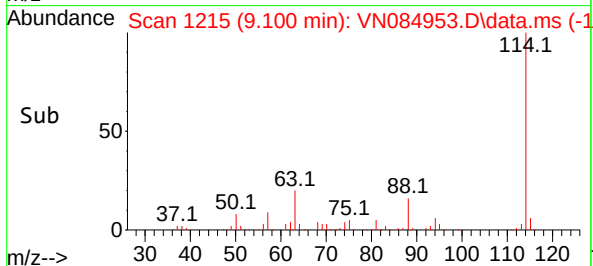
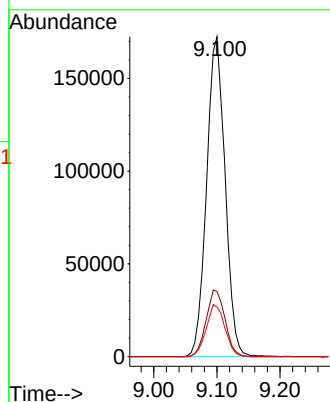
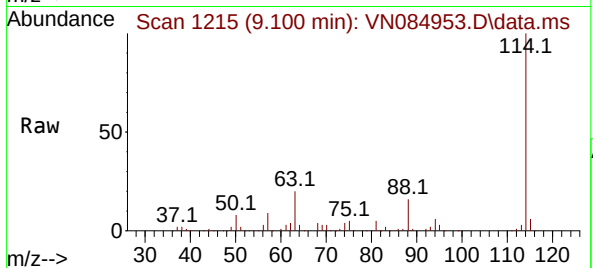
Tgt Ion:114 Resp: 350960

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.8

88 15.5 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.294 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084953.D

Acq: 19 Nov 2024 17:40

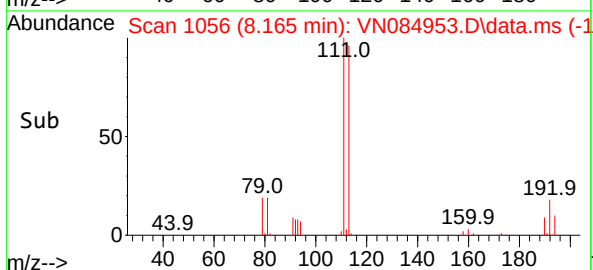
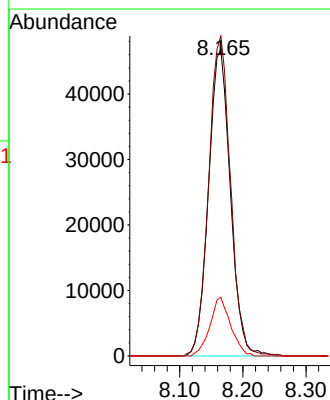
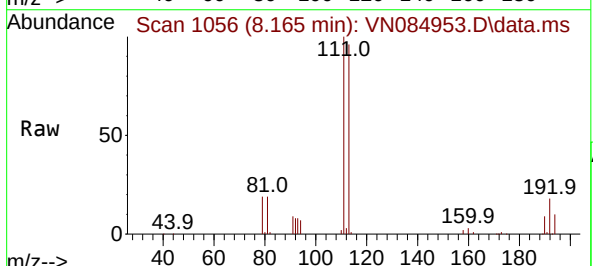
Tgt Ion:113 Resp: 112351

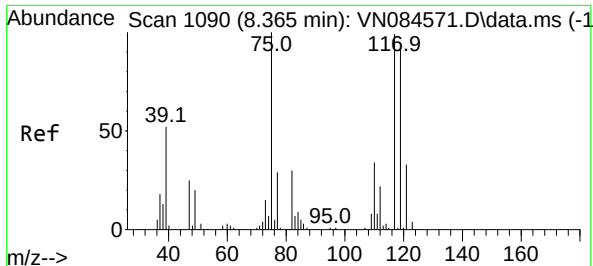
Ion Ratio Lower Upper

113 100

111 104.3 83.3 124.9

192 18.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.092 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084953.D

Acq: 19 Nov 2024 17:40

Instrument :

MSVOA_N

ClientSampleId :

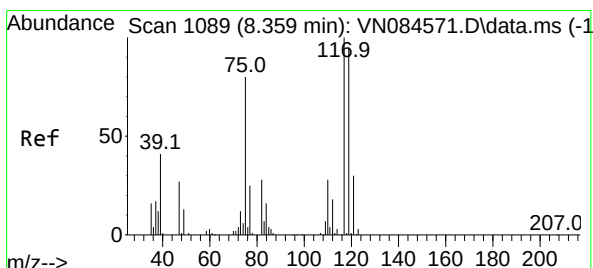
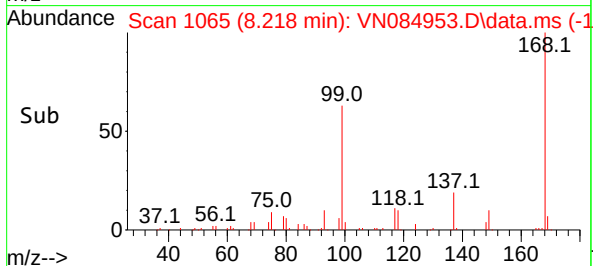
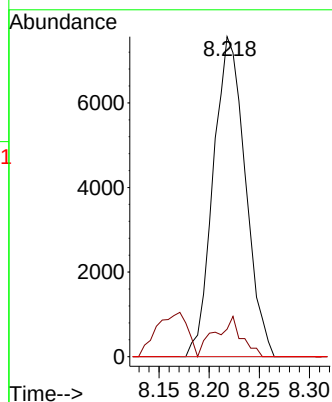
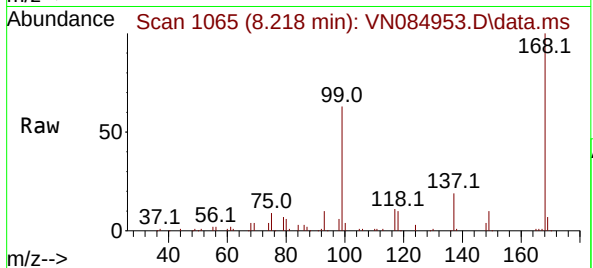
Tgt Ion: 75 Resp: 16777

Ion Ratio Lower Upper

75 100

110 10.3 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.735 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084953.D

Acq: 19 Nov 2024 17:40

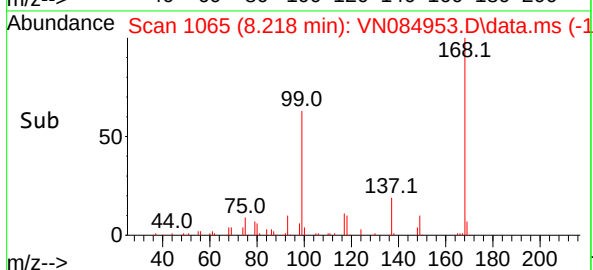
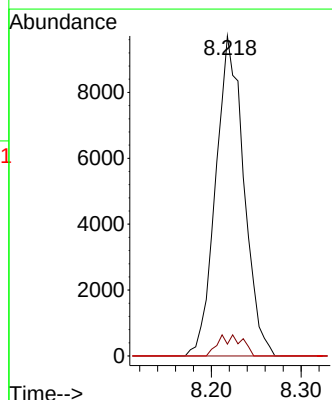
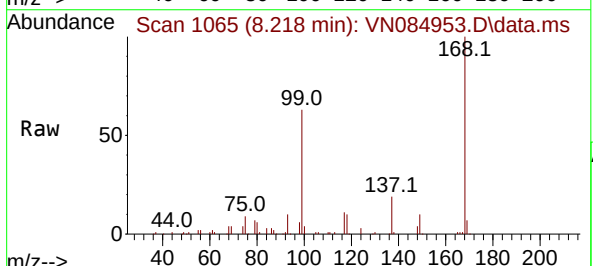
Tgt Ion: 117 Resp: 21120

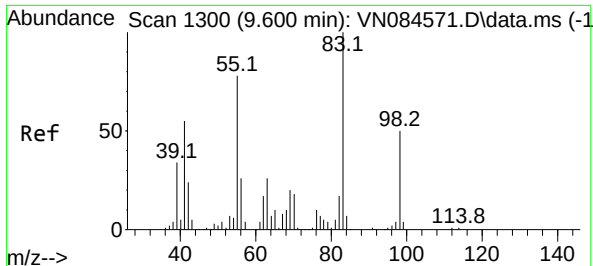
Ion Ratio Lower Upper

117 100

119 3.7 78.7 118.1#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.290 ug/l

RT: 9.341 min Scan# 1125

Delta R.T. -0.259 min

Lab File: VN084953.D

Acq: 19 Nov 2024 17:40

Instrument :

MSVOA_N

ClientSampleId :

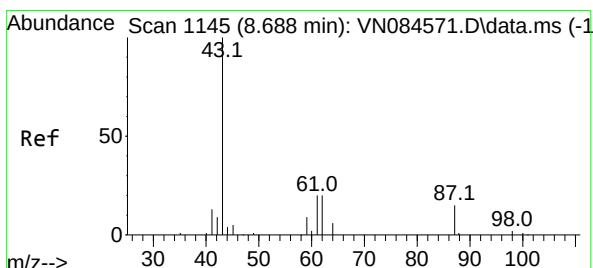
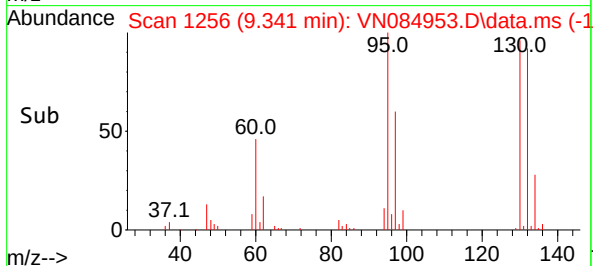
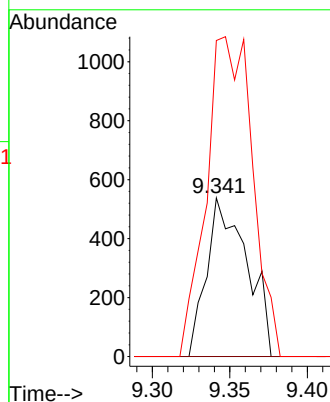
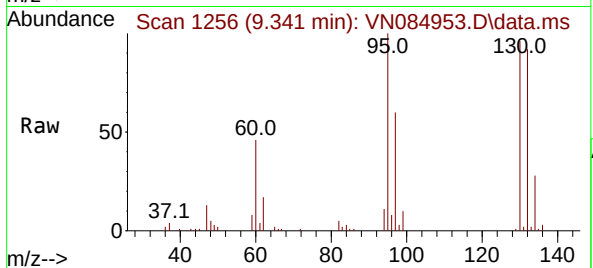
Tgt Ion: 83 Resp: 971

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 199.3 38.8 58.2#



#43

Isopropyl Acetate

Concen: 14.778 ug/l

RT: 8.741 min Scan# 1154

Delta R.T. 0.053 min

Lab File: VN084953.D

Acq: 19 Nov 2024 17:40

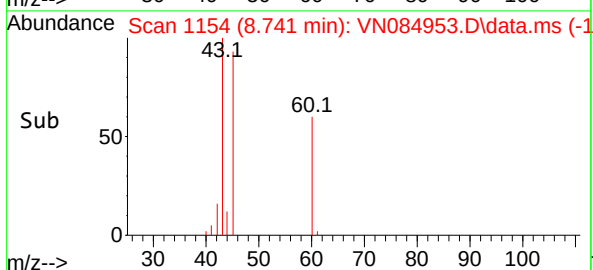
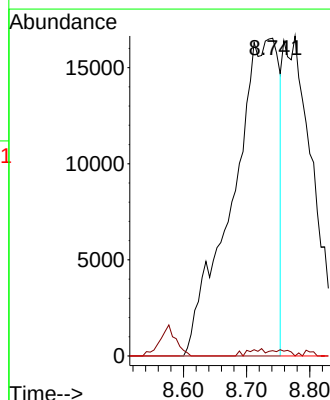
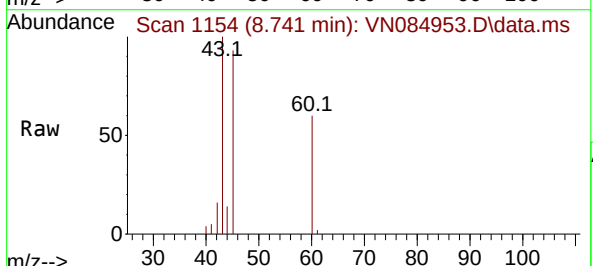
Tgt Ion: 43 Resp: 85364

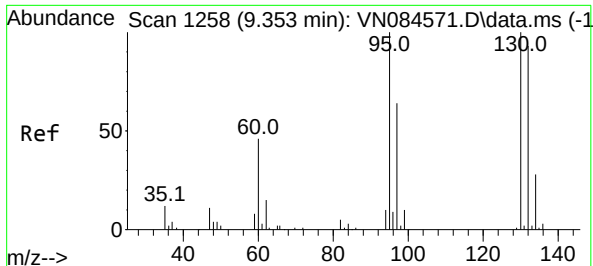
Ion Ratio Lower Upper

43 100

61 0.7 20.4 30.6#

87 0.0 10.3 15.5#

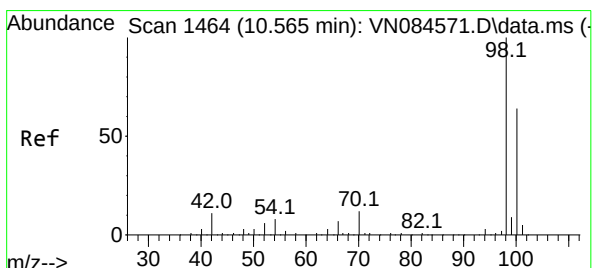
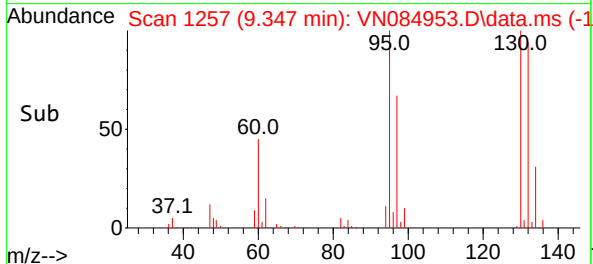
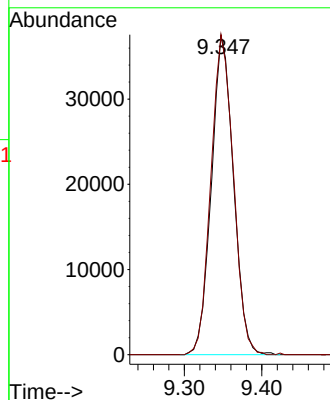
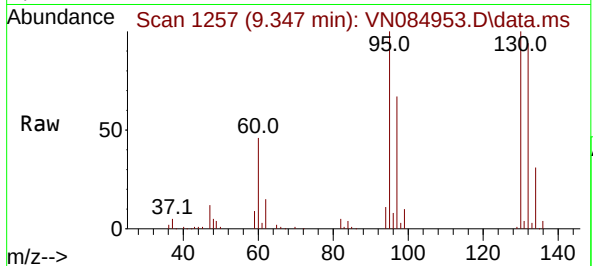




#44
Trichloroethene
Concen: 30.344 ug/l
RT: 9.347 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

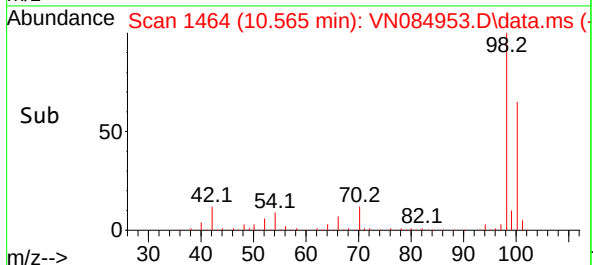
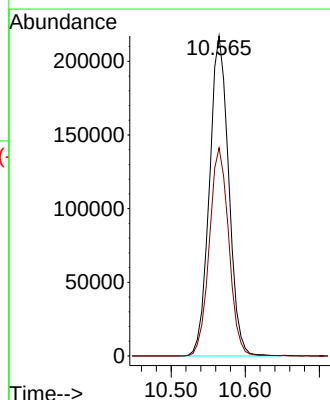
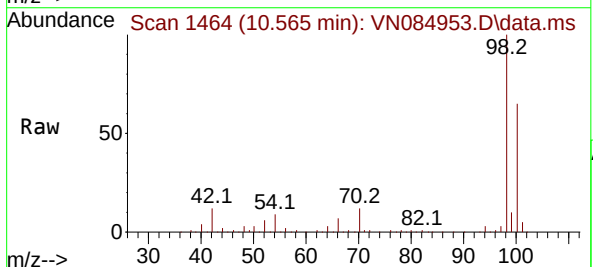
Instrument :
MSVOA_N
ClientSampleId :

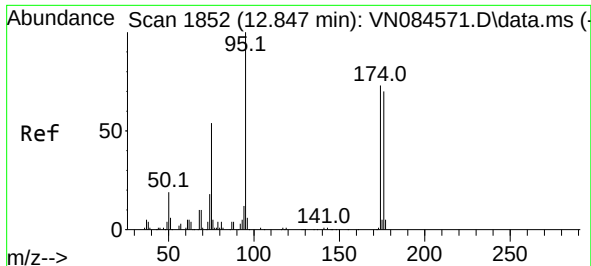
Tgt Ion:130 Resp: 74043
Ion Ratio Lower Upper
130 100
95 100.3 0.0 203.0



#50
Toluene-d8
Concen: 44.826 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Tgt Ion: 98 Resp: 392268
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1

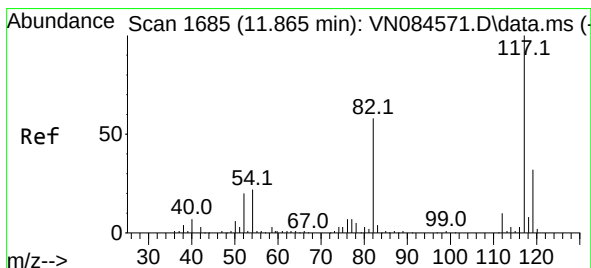
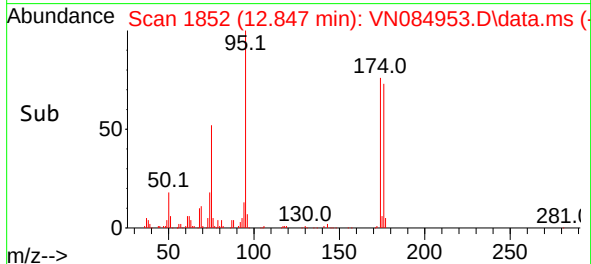
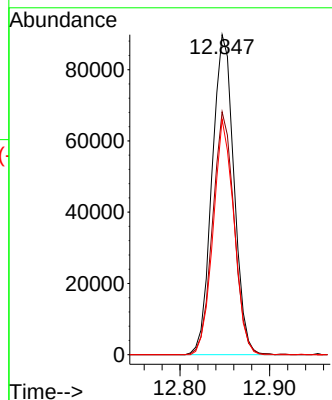
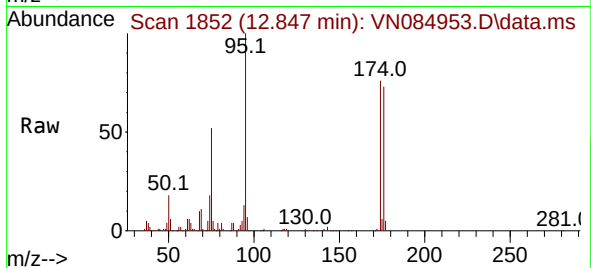




#62
4-Bromofluorobenzene
Concen: 46.479 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

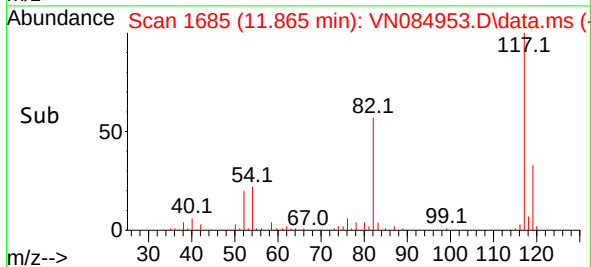
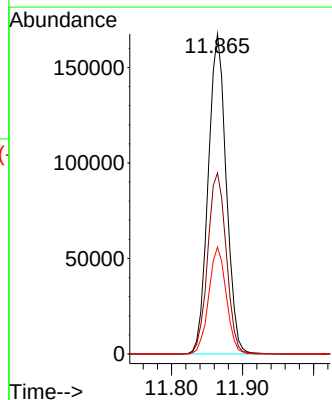
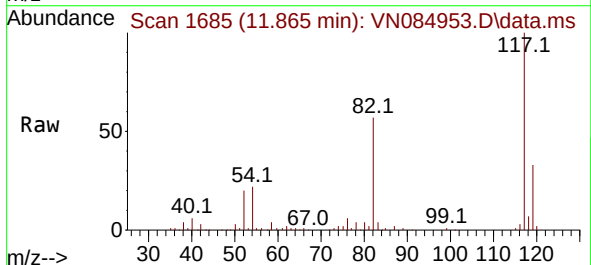
Instrument :
MSVOA_N
ClientSampleId :

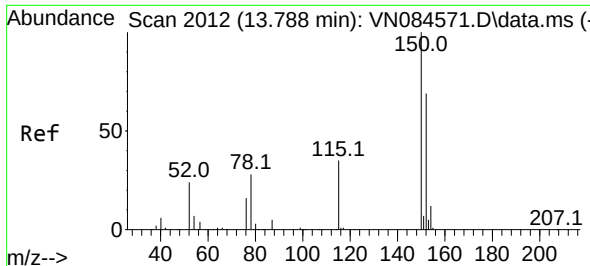
Tgt Ion: 95 Resp: 152010
Ion Ratio Lower Upper
95 100
174 74.4 0.0 145.2
176 70.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Tgt Ion: 117 Resp: 295369
Ion Ratio Lower Upper
117 100
82 56.6 47.2 70.8
119 33.4 25.4 38.0

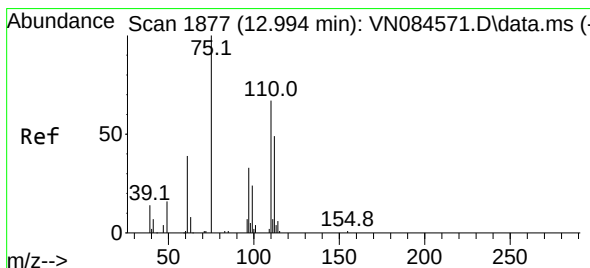
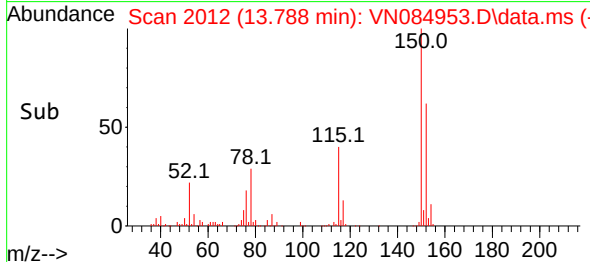
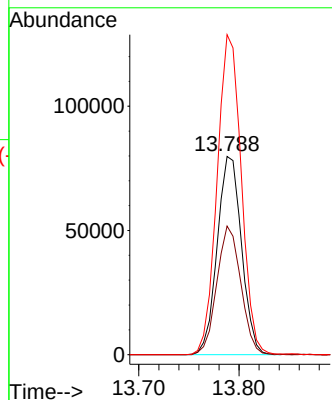
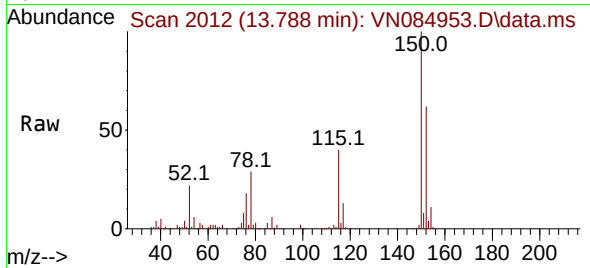




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN084953.D
 Acq: 19 Nov 2024 17:40

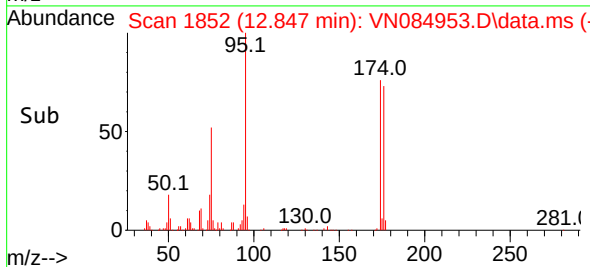
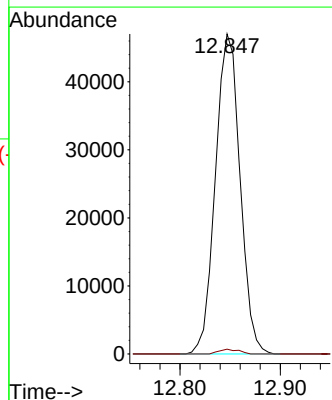
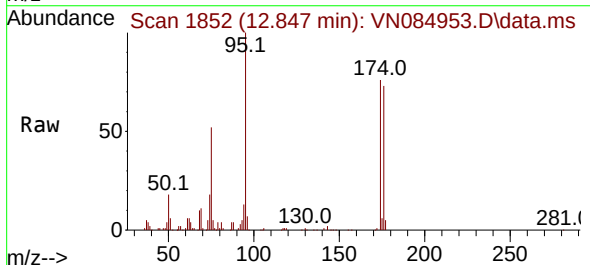
Instrument :
 MSVOA_N
 ClientSampleId :

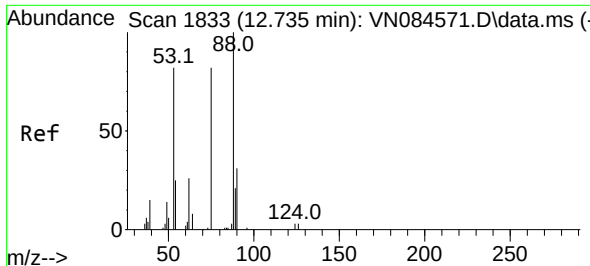
Tgt Ion:152 Resp: 134441
 Ion Ratio Lower Upper
 152 100
 115 63.9 31.3 93.9
 150 160.3 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 29.863 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084953.D
 Acq: 19 Nov 2024 17:40

Tgt Ion: 75 Resp: 80254
 Ion Ratio Lower Upper
 75 100
 77 1.2 96.9 290.7#

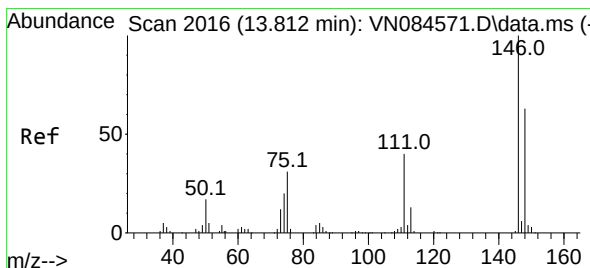
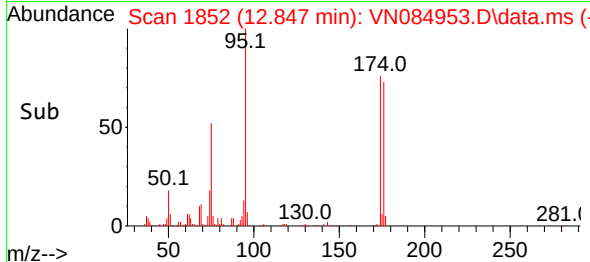
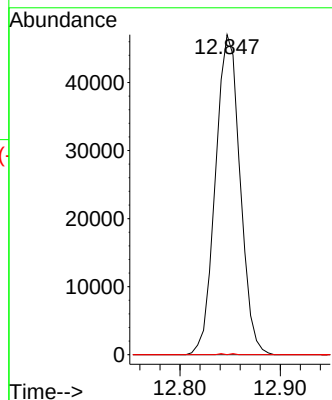
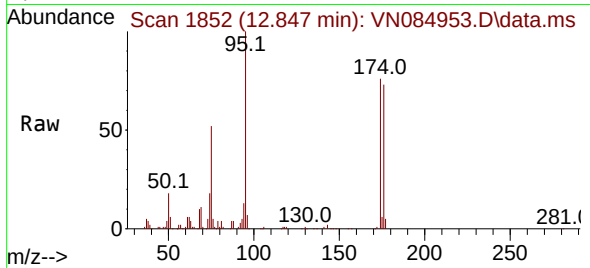




#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.847 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084953.D
 Acq: 19 Nov 2024 17:40

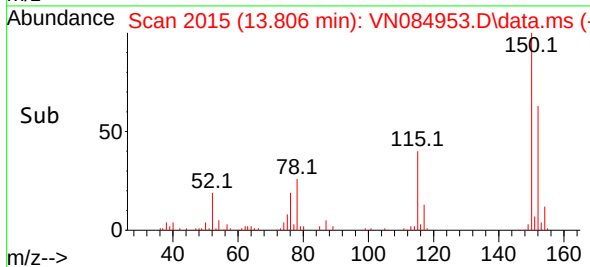
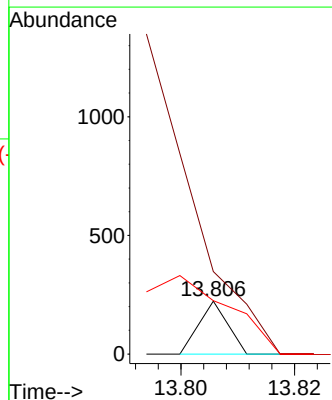
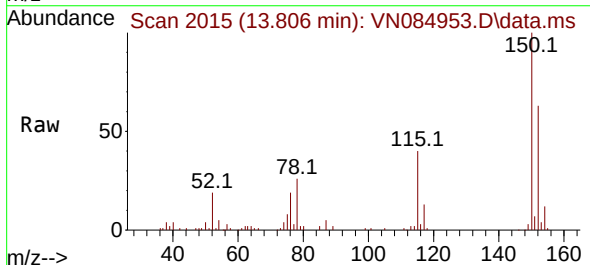
Instrument :
 MSVOA_N
 ClientSampleId :

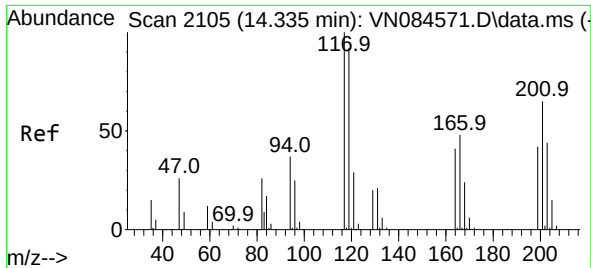
Tgt Ion: 75 Resp: 80254
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.2 35.5 53.3#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.806 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: VN084953.D
 Acq: 19 Nov 2024 17:40

Tgt Ion:146 Resp: 79
 Ion Ratio Lower Upper
 146 100
 111 2720.3 21.2 63.6#
 148 754.4 31.9 95.9#

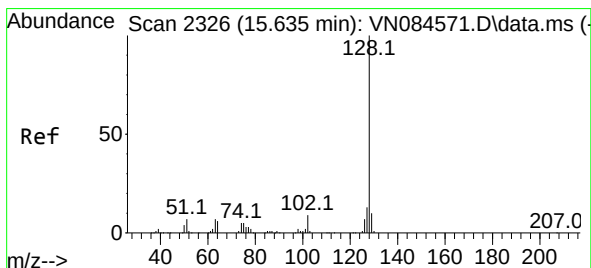
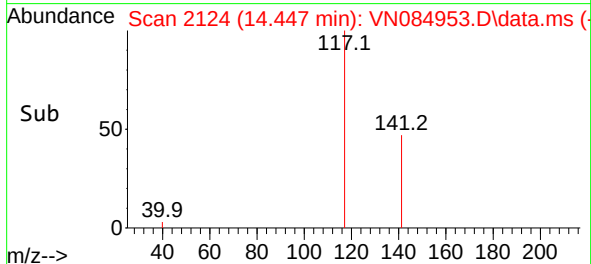
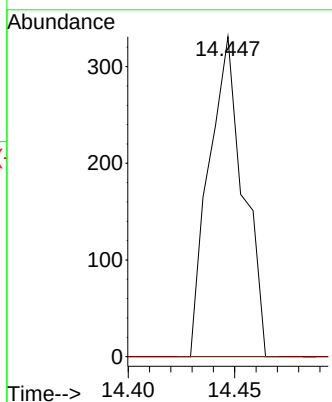
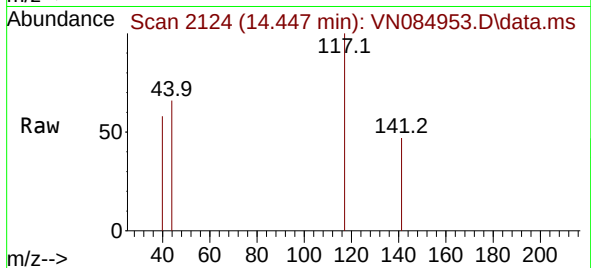




#90
Hexachloroethane
Concen: 0.223 ug/l
RT: 14.447 min Scan# 2105
Delta R.T. 0.118 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 372
Ion Ratio Lower Upper
117 100
201 0.0 34.4 103.2#



#95
Naphthalene
Concen: 3.712 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084953.D
Acq: 19 Nov 2024 17:40

Tgt Ion:128 Resp: 28882
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.9 8.7 13.1

