

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084800.D
 Acq On : 12 Nov 2024 16:49
 Operator : JC\MD
 Sample : P4799-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 23:39:05 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)

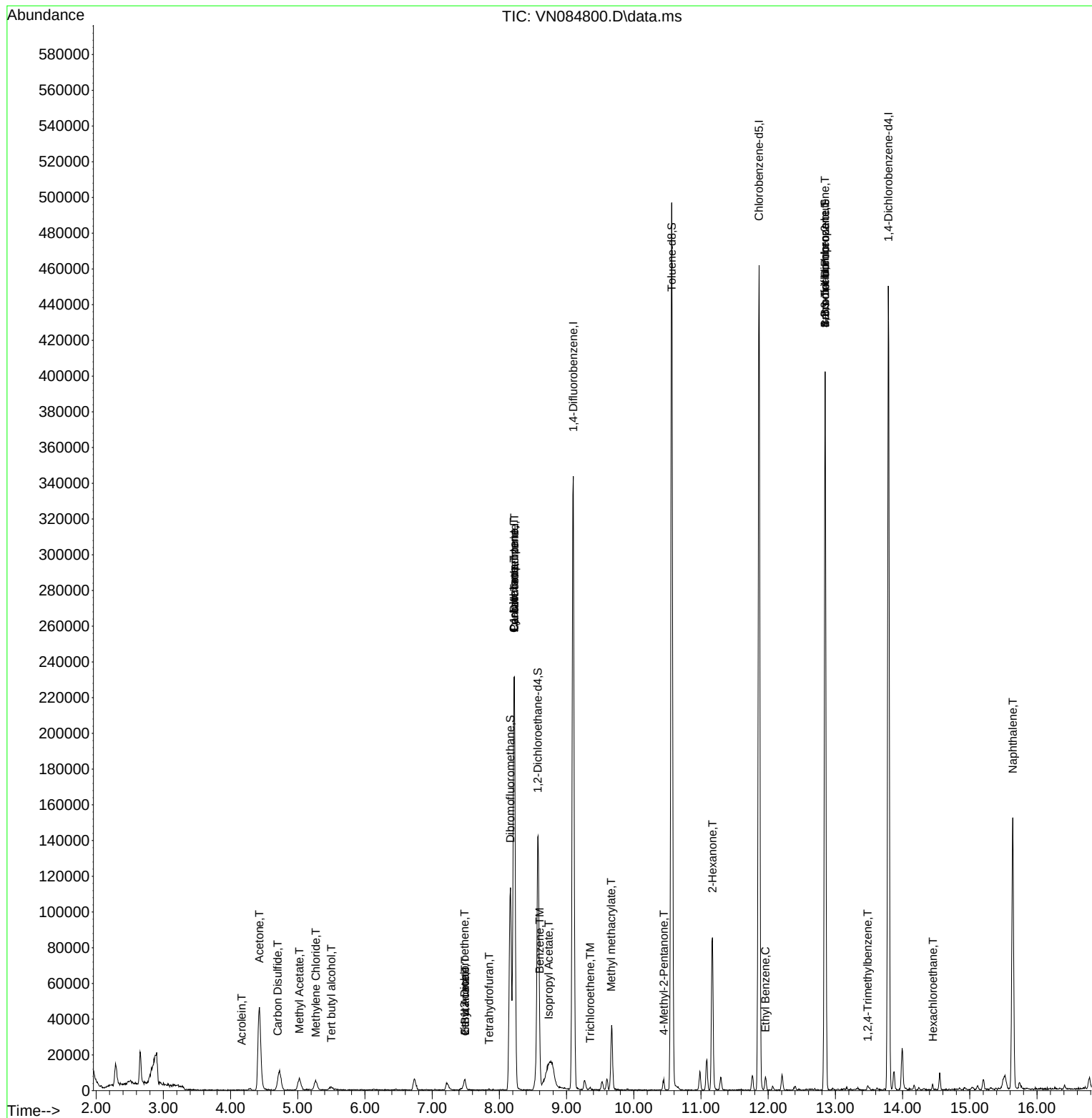
Internal Standards						
1) Pentafluorobenzene	8.224	168	170276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	121229	49.293	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.580%		
35) Dibromofluoromethane	8.165	113	83230	41.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	82.600%		
50) Toluene-d8	10.565	98	338922	45.653	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.300%		
62) 4-Bromofluorobenzene	12.847	95	137454	49.541	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.080%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	459	Below Cal	#	41
6) Chloroethane	3.083	64	400	Below Cal	#	45
11) Tert butyl alcohol	5.500	59	1722	5.305	ug/l #	73
13) Acrolein	4.165	56	161	0.497	ug/l #	14
16) Acetone	4.430	43	88577	123.237	ug/l	97
17) Carbon Disulfide	4.700	76	6337	1.061	ug/l #	86
18) Methyl Acetate	5.024	43	13649	1.378	ug/l	99
20) Methylene Chloride	5.271	84	4416	2.042	ug/l #	71
25) 2-Butanone	7.488	43	4590	4.000	ug/l #	70
27) cis-1,2-Dichloroethene	7.483	96	2229	0.959	ug/l	96
29) Tetrahydrofuran	7.847	42	164	0.215	ug/l #	34
31) Cyclohexane	8.218	56	3435	1.012	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14414	5.157	ug/l #	50
37) Ethyl Acetate	7.488	43	4590	1.810	ug/l #	9
38) Carbon Tetrachloride	8.224	117	17765	5.686	ug/l #	14
40) Benzene	8.600	78	4887	0.544	ug/l	99
43) Isopropyl Acetate	8.735	43	19567	3.275	ug/l #	56
44) Trichloroethene	9.353	130	507	0.245	ug/l	92
48) Methyl methacrylate	9.665	41	2459	1.246	ug/l #	42
51) 4-Methyl-2-Pentanone	10.447	43	3965	1.640	ug/l	95
59) 2-Hexanone	11.171	43	67593	38.412	ug/l #	24
67) Ethyl Benzene	11.959	91	5968	0.602	ug/l	91
71) Bromoform	12.847	173	772	0.497	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70460	28.340	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70460	67.233	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.482	105	1968	0.264	ug/l	77
88) 1,4-Dichlorobenzene	13.817	146	505	Below Cal	#	31
90) Hexachloroethane	14.453	117	1112	0.720	ug/l #	15
95) Naphthalene	15.641	128	140999	19.586	ug/l	100

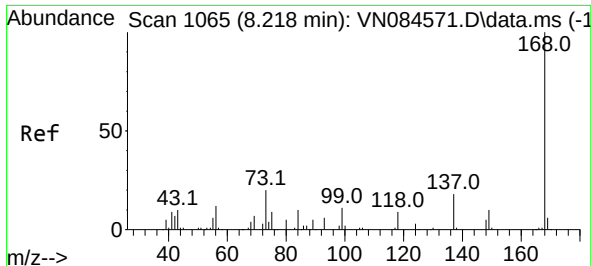
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084800.D
Acq On : 12 Nov 2024 16:49
Operator : JC\MD
Sample : P4799-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 12 23:39:05 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

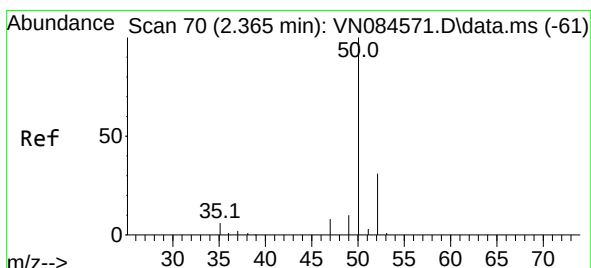
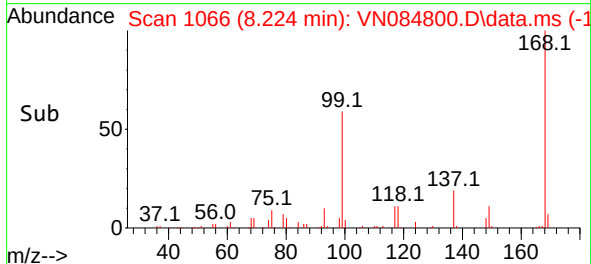
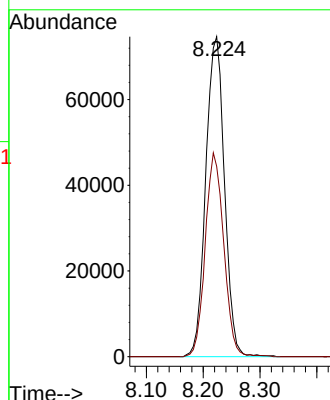
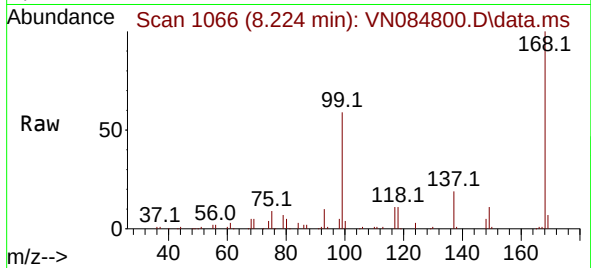




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

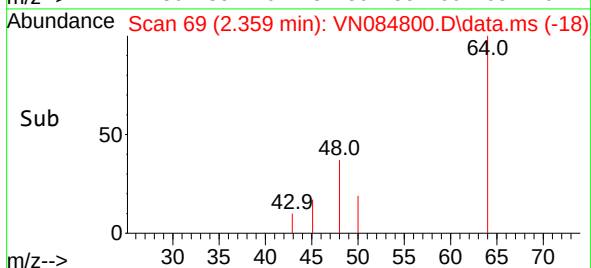
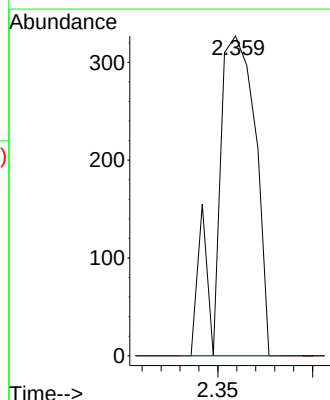
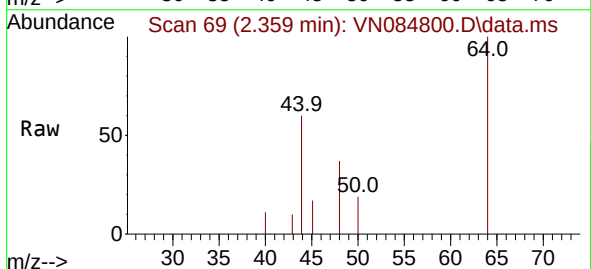
Instrument :
MSVOA_N
ClientSampleId :

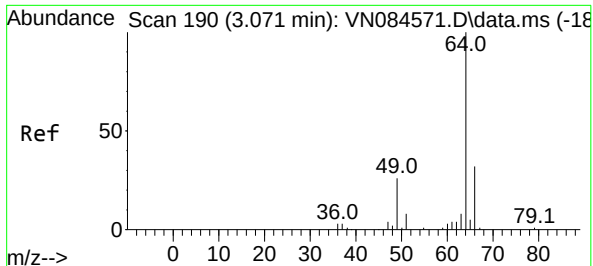
Tgt Ion:168 Resp: 170276
Ion Ratio Lower Upper
168 100
99 59.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Tgt Ion: 50 Resp: 459
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

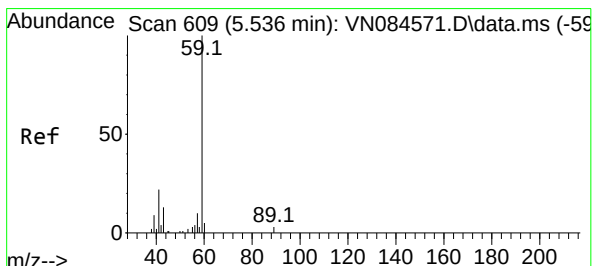
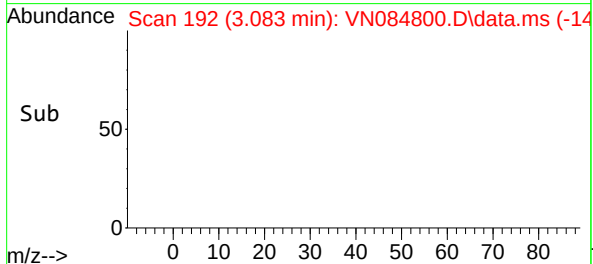
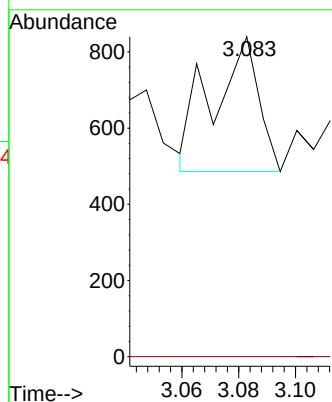
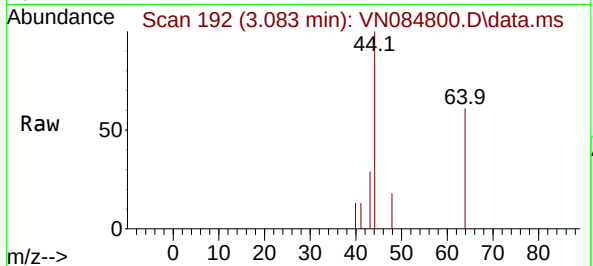




#6
Chloroethane
Concen: Below Cal
RT: 3.083 min Scan# 192
Delta R.T. -0.035 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

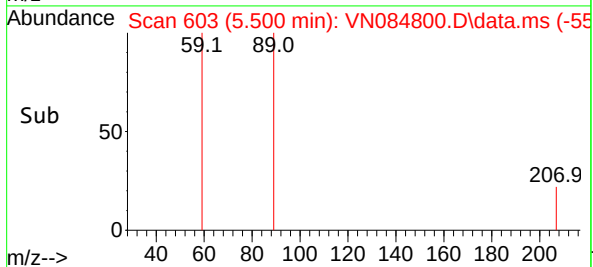
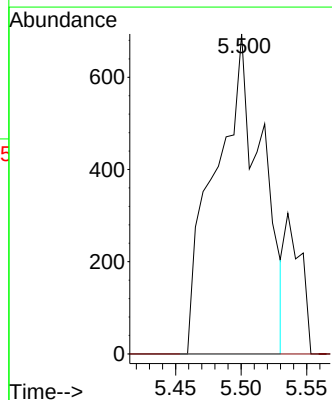
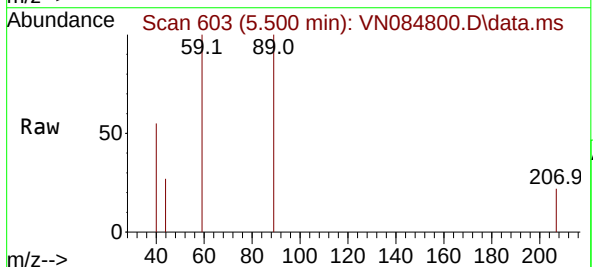
Instrument :
MSVOA_N
ClientSampleId :

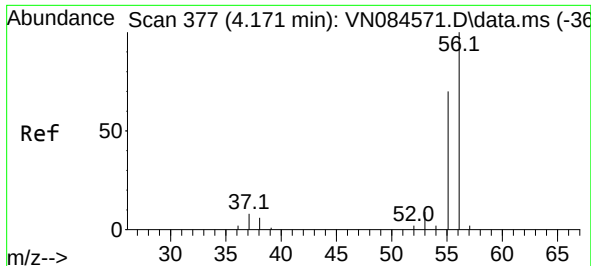
Tgt Ion: 64 Resp: 400
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 5.305 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.024 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

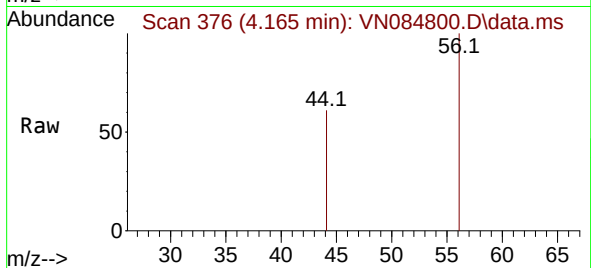
Tgt Ion: 59 Resp: 1722
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



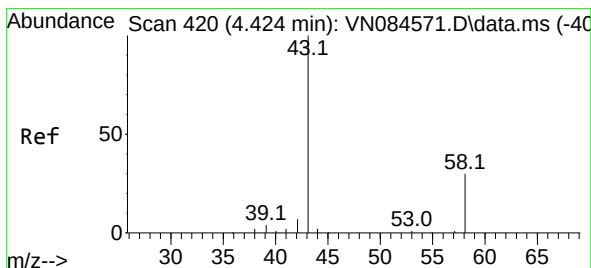
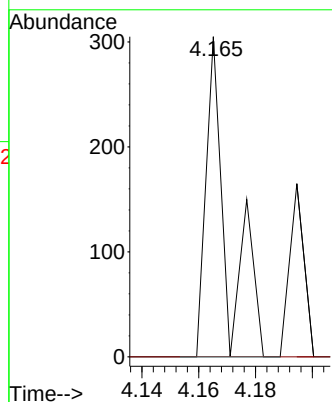
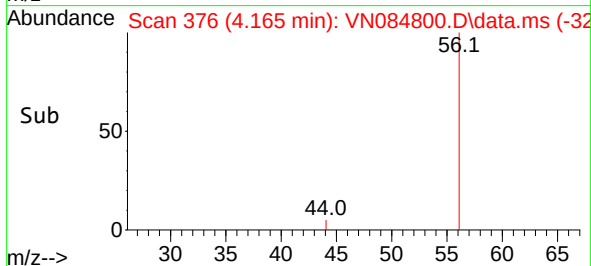


#13
Acrolein
Concen: 0.497 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

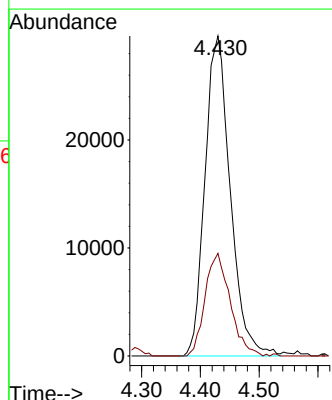
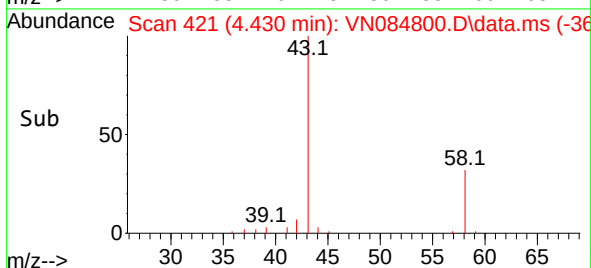
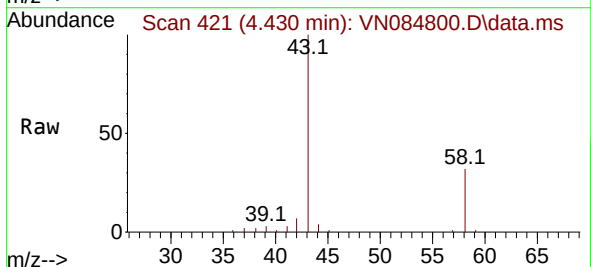


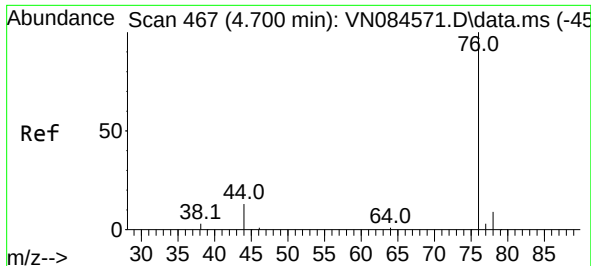
Tgt Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 123.237 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

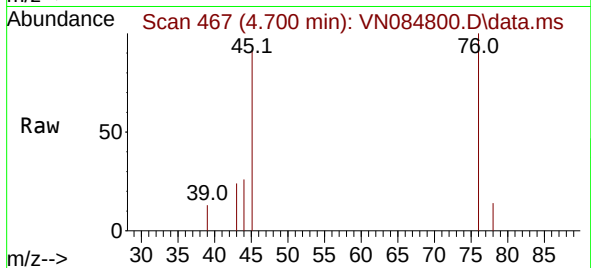
Tgt Ion: 43 Resp: 88577
Ion Ratio Lower Upper
43 100
58 32.0 24.4 36.6



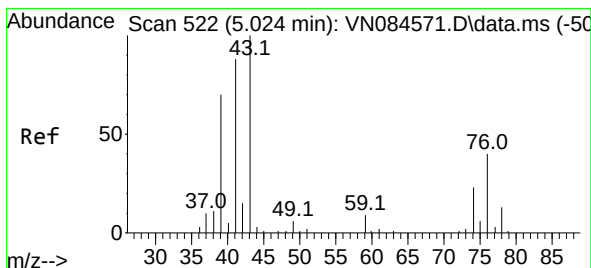
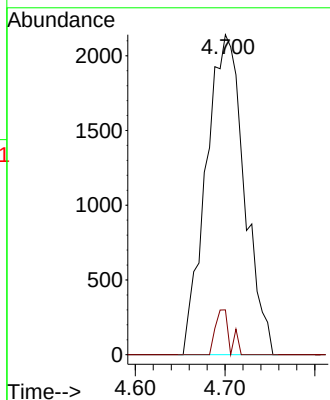
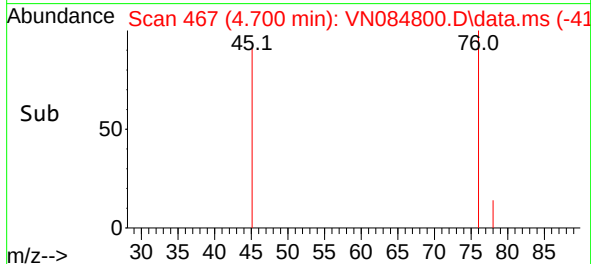


#17
Carbon Disulfide
Concen: 1.061 ug/l
RT: 4.700 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

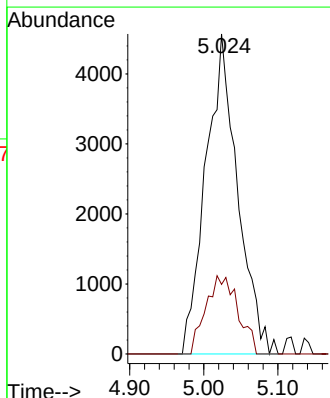
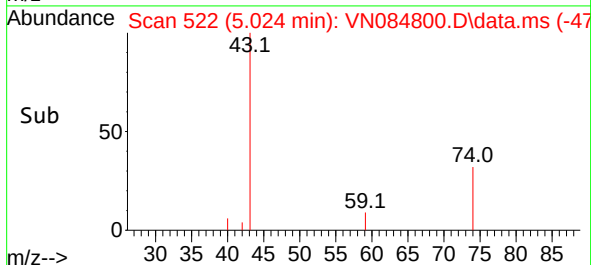
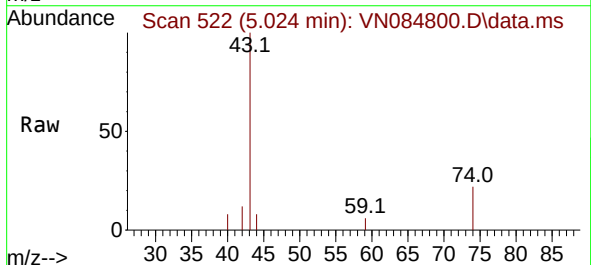


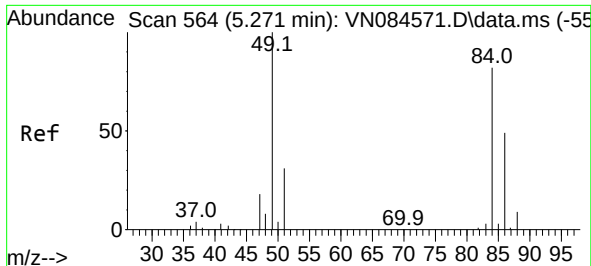
Tgt Ion: 76 Resp: 6337
Ion Ratio Lower Upper
76 100
78 14.0 7.3 10.9#



#18
Methyl Acetate
Concen: 1.378 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

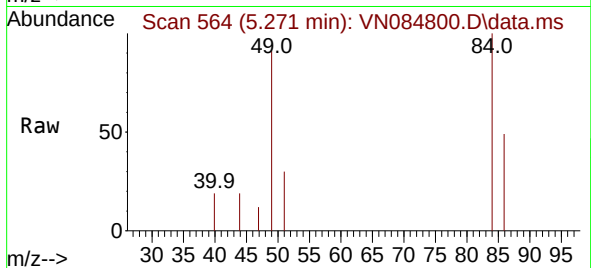
Tgt Ion: 43 Resp: 13649
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8



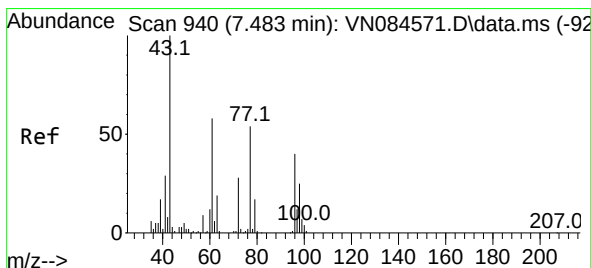
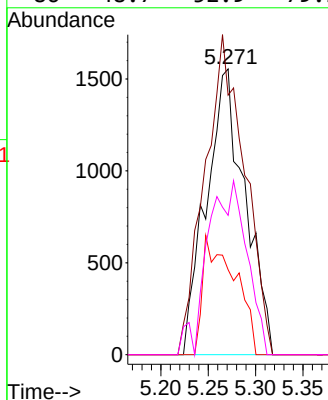


#20
Methylene Chloride
Concen: 2.042 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

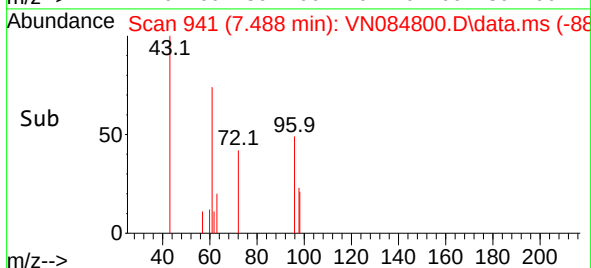
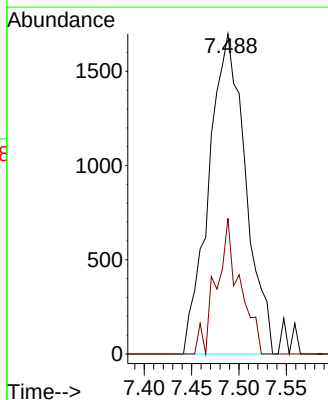
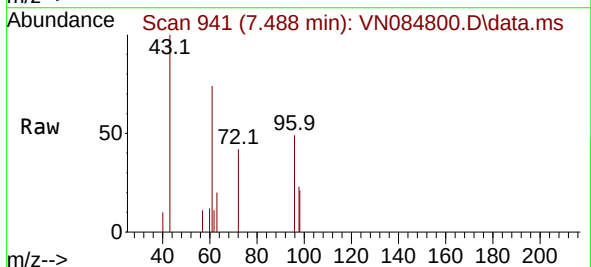


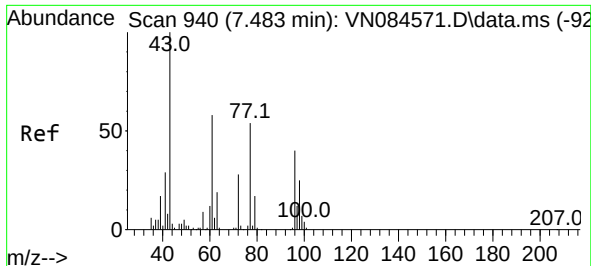
Tgt Ion:	84	Resp:	4416
Ion	Ratio	Lower	Upper
84	100		
49	90.8	107.2	160.8#
51	29.7	31.8	47.8#
86	48.7	52.9	79.3#



#25
2-Butanone
Concen: 4.000 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

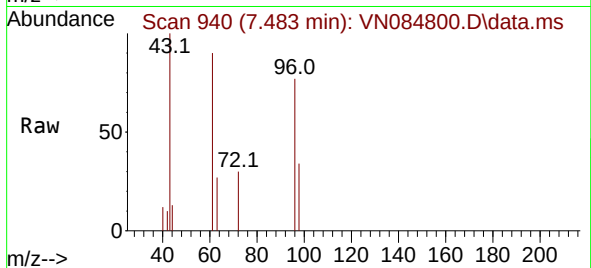
Tgt Ion:	43	Resp:	4590
Ion	Ratio	Lower	Upper
43	100		
72	42.4	21.4	32.2#



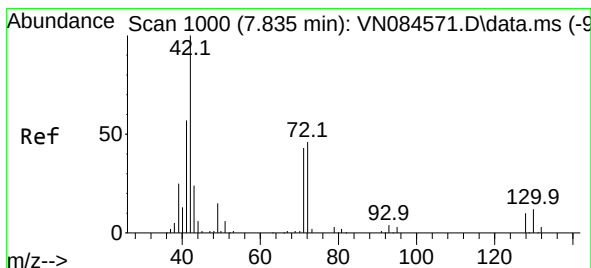
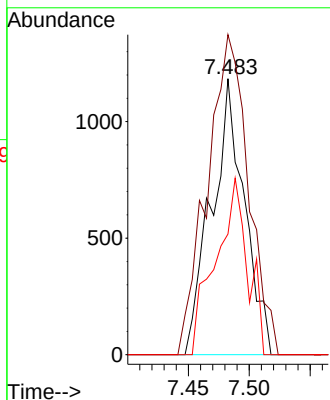
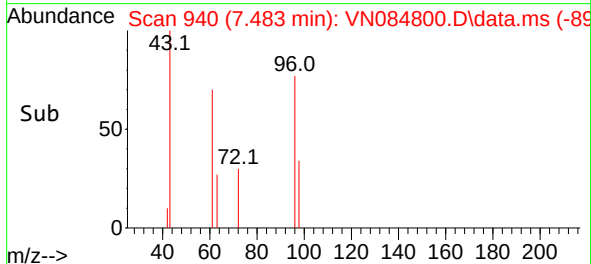


#27
 cis-1,2-Dichloroethene
 Concen: 0.959 ug/l
 RT: 7.483 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VN084800.D
 Acq: 12 Nov 2024 16:49

Instrument :
 MSVOA_N
 ClientSampleId :

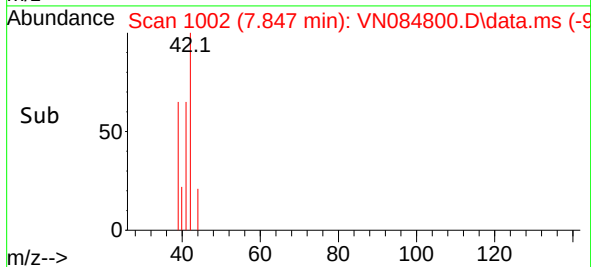
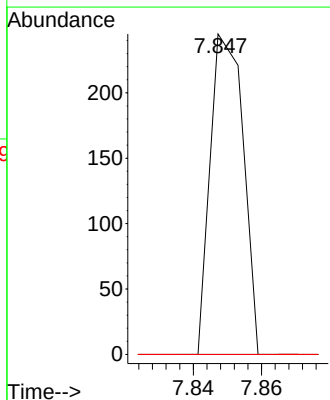
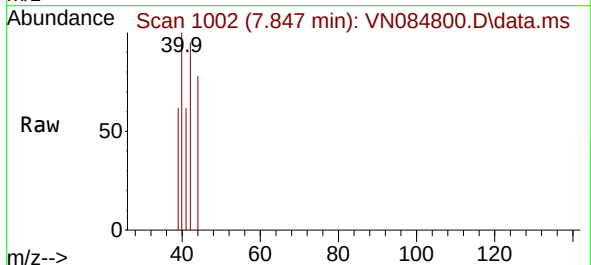


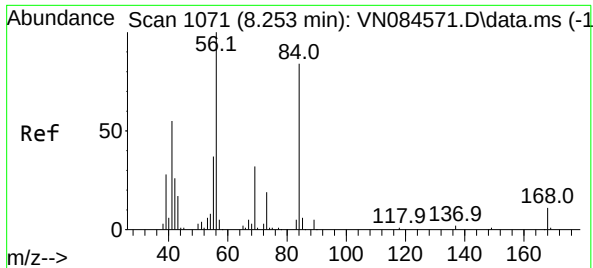
Tgt Ion: 96 Resp: 2229
 Ion Ratio Lower Upper
 96 100
 61 144.9 0.0 301.8
 98 62.1 0.0 128.2



#29
 Tetrahydrofuran
 Concen: 0.215 ug/l
 RT: 7.847 min Scan# 1002
 Delta R.T. 0.012 min
 Lab File: VN084800.D
 Acq: 12 Nov 2024 16:49

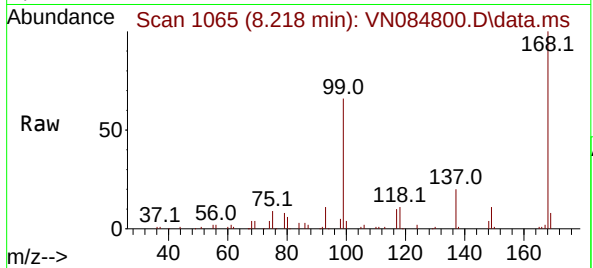
Tgt Ion: 42 Resp: 164
 Ion Ratio Lower Upper
 42 100
 72 0.0 34.6 51.8#
 71 0.0 32.2 48.4#



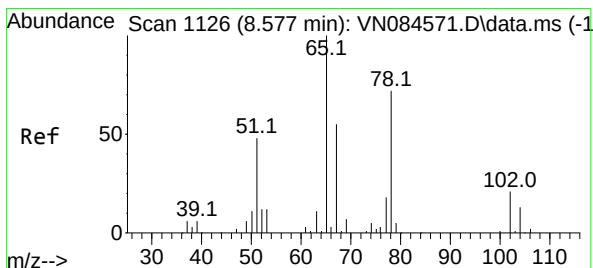
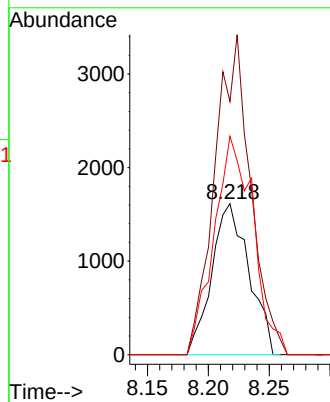
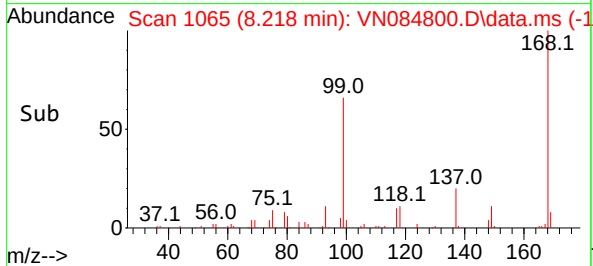


#31
Cyclohexane
Concen: 1.012 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

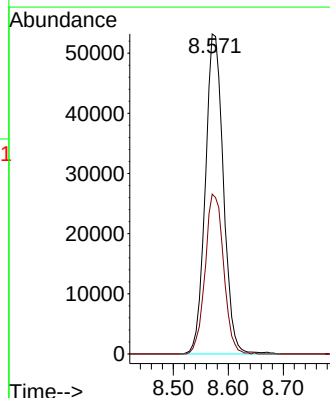
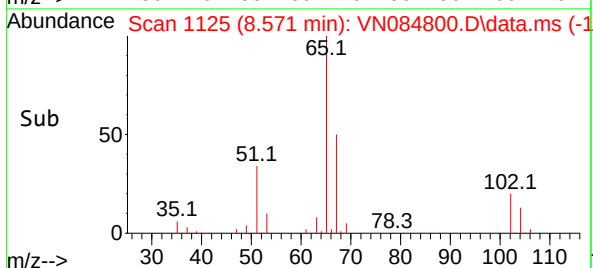
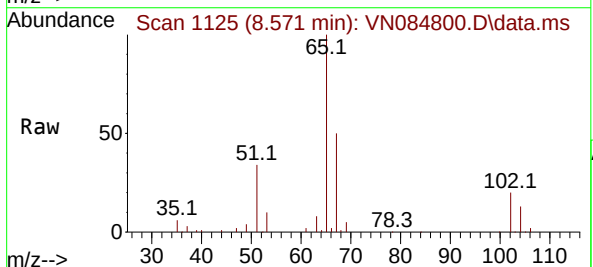


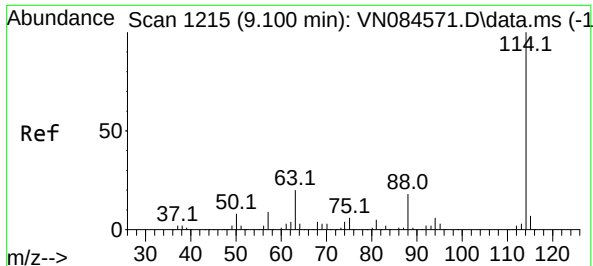
Tgt Ion: 56 Resp: 3435
Ion Ratio Lower Upper
56 100
69 167.6 23.8 35.6#
84 144.5 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.293 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Tgt Ion: 65 Resp: 121229
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.0

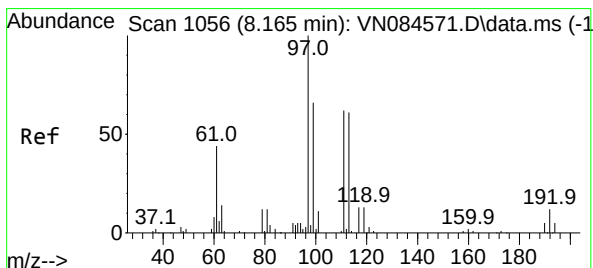
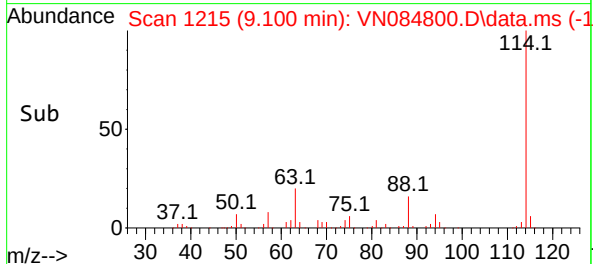
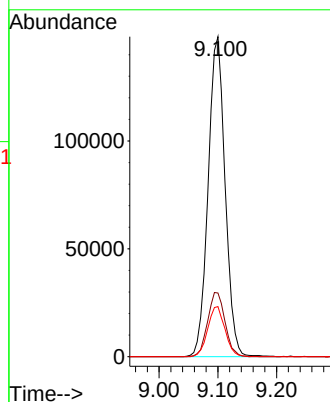
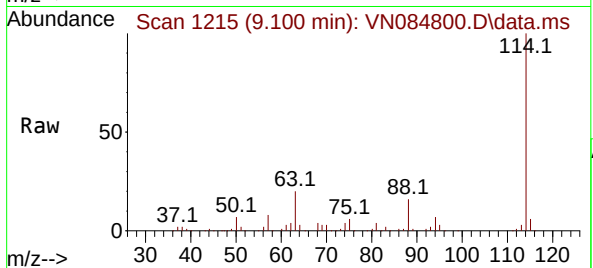




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

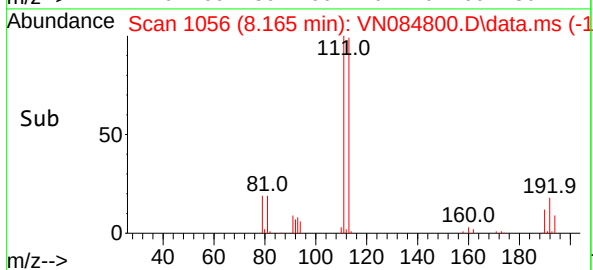
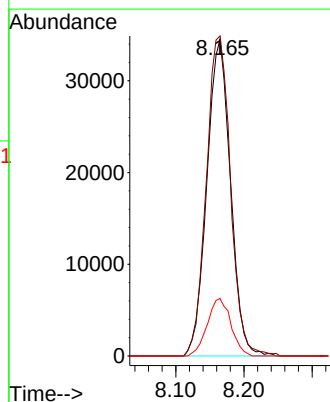
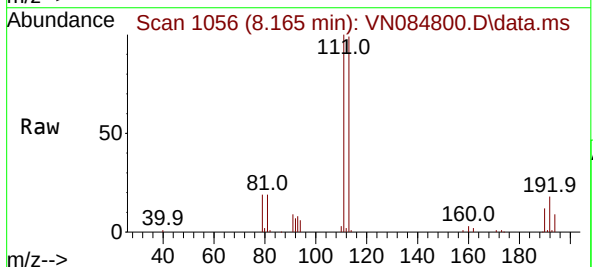
Instrument :
MSVOA_N
ClientSampleId :

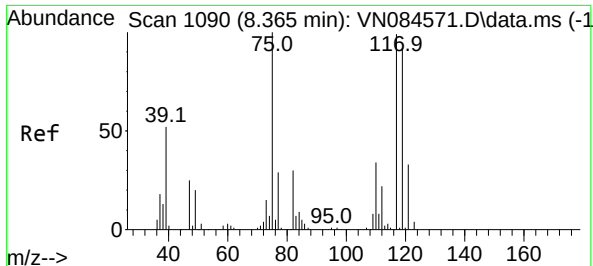
Tgt Ion:114 Resp: 297743
Ion Ratio Lower Upper
114 100
63 19.9 0.0 43.8
88 15.6 0.0 31.6



#35
Dibromofluoromethane
Concen: 41.298 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Tgt Ion:113 Resp: 83230
Ion Ratio Lower Upper
113 100
111 103.4 83.3 124.9
192 18.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.157 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN084800.D

Acq: 12 Nov 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

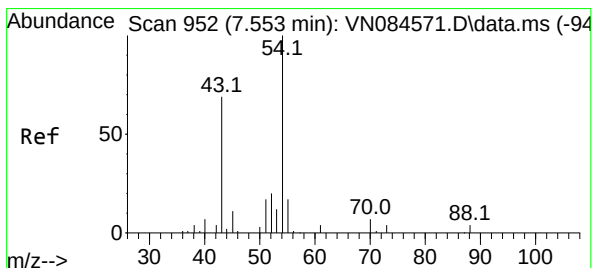
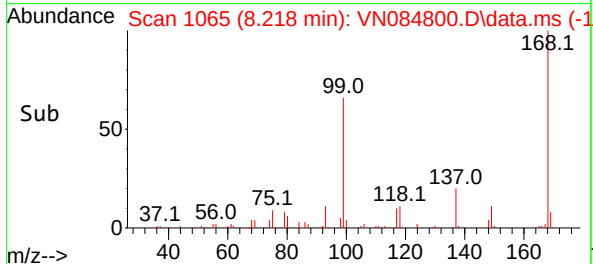
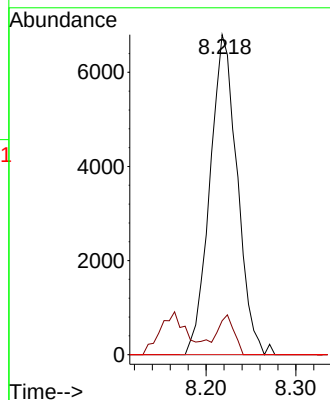
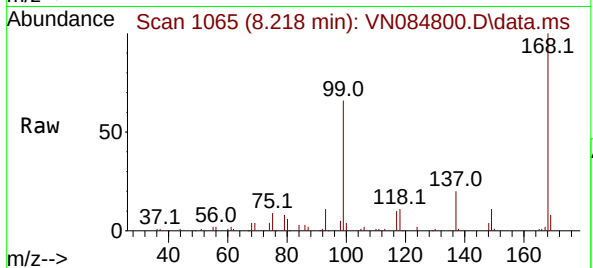
Tgt Ion: 75 Resp: 14414

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.810 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN084800.D

Acq: 12 Nov 2024 16:49

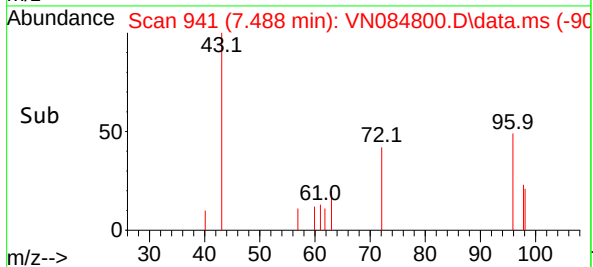
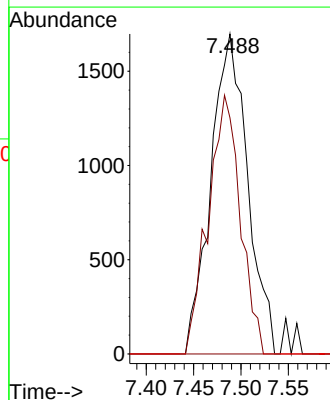
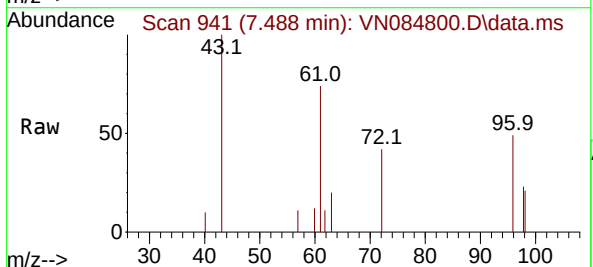
Tgt Ion: 43 Resp: 4590

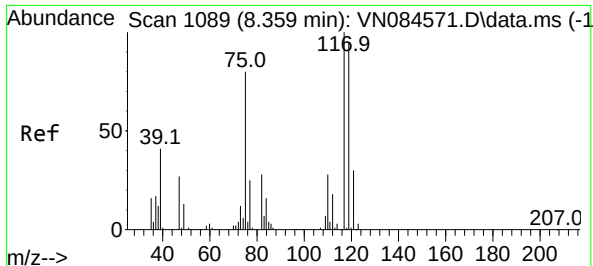
Ion Ratio Lower Upper

43 100

61 70.4 10.7 16.1#

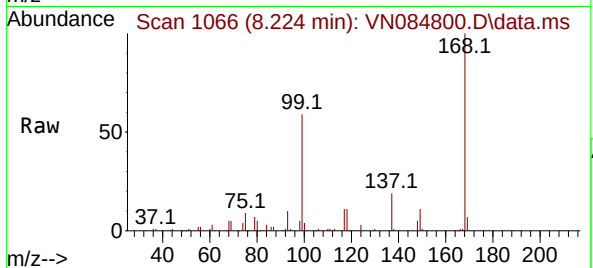
70 0.0 8.8 13.2#



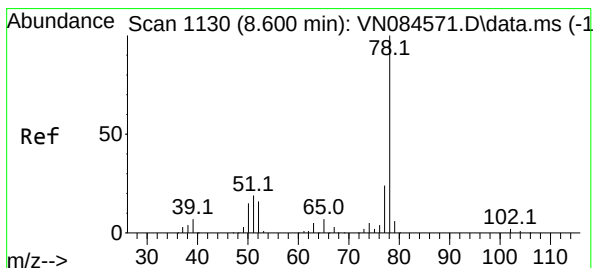
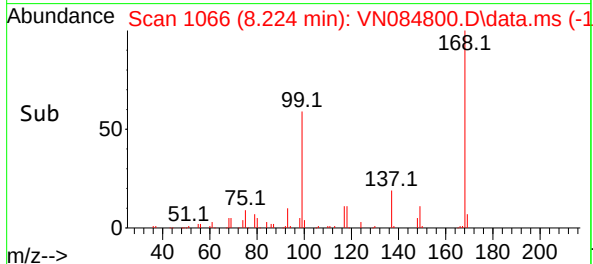
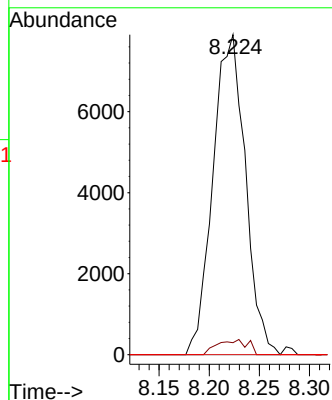


#38
Carbon Tetrachloride
Concen: 5.686 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

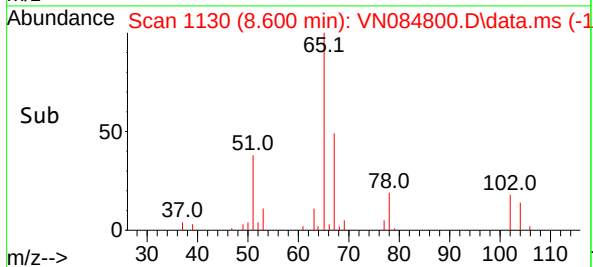
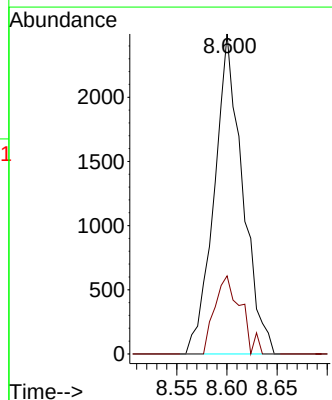
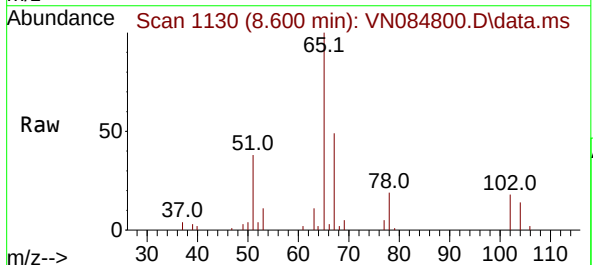


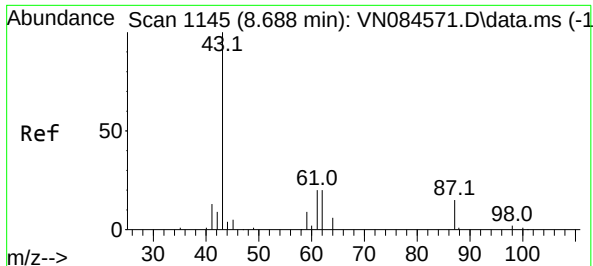
Tgt Ion:117 Resp: 17765
Ion Ratio Lower Upper
117 100
119 3.7 78.7 118.1#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.544 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Tgt Ion: 78 Resp: 4887
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7





#43

Isopropyl Acetate

Concen: 3.275 ug/l

RT: 8.735 min Scan# 1145

Delta R.T. 0.047 min

Lab File: VN084800.D

Acq: 12 Nov 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

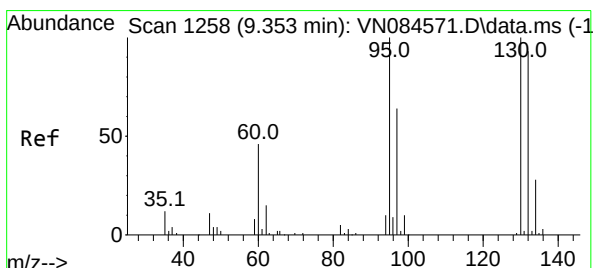
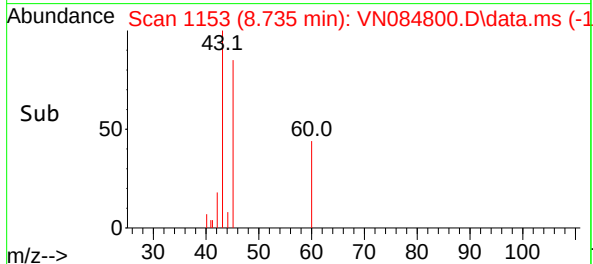
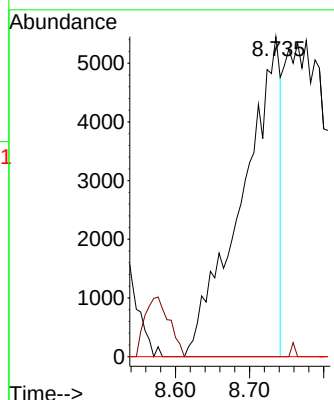
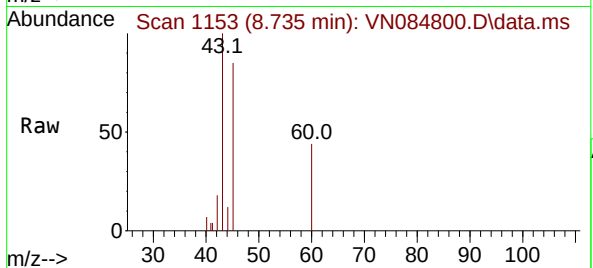
Tgt Ion: 43 Resp: 19567

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#



#44

Trichloroethene

Concen: 0.245 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN084800.D

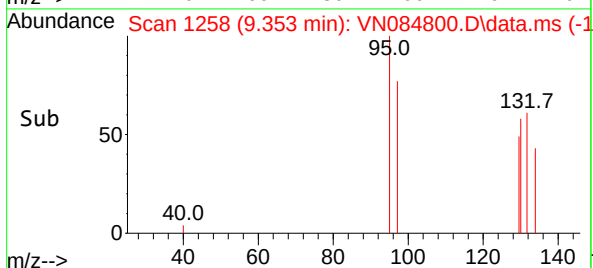
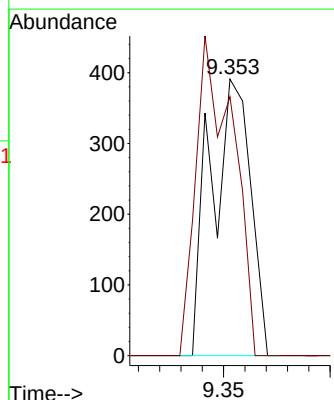
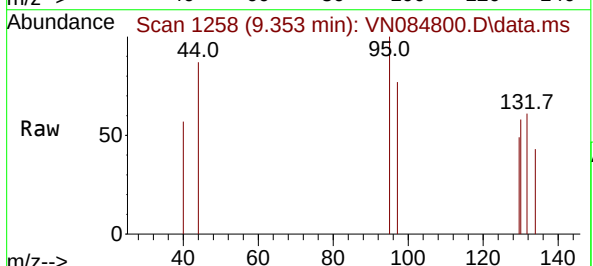
Acq: 12 Nov 2024 16:49

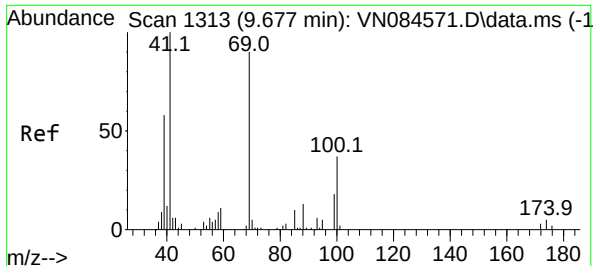
Tgt Ion:130 Resp: 507

Ion Ratio Lower Upper

130 100

95 93.6 0.0 203.0





#48

Methyl methacrylate

Concen: 1.246 ug/l

RT: 9.665 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN084800.D

Acq: 12 Nov 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

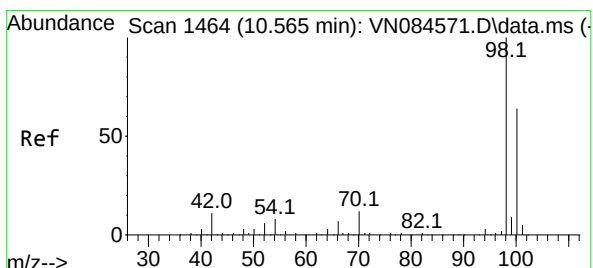
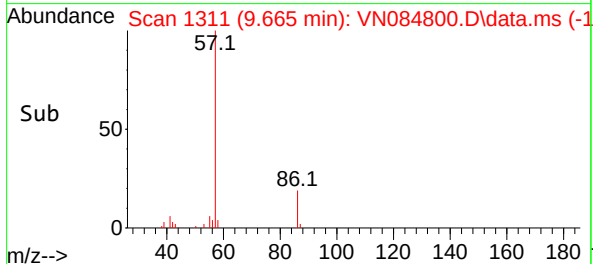
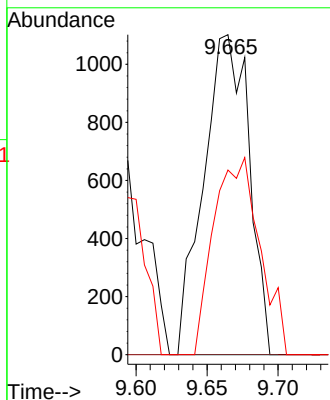
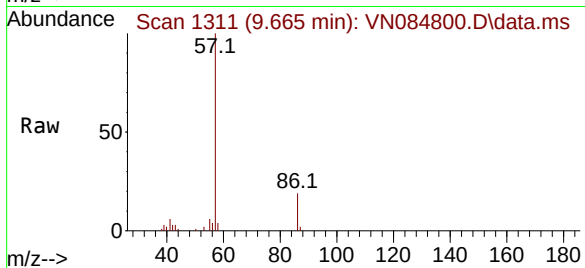
Tgt Ion: 41 Resp: 2459

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 62.3 45.8 68.6



#50

Toluene-d8

Concen: 45.653 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084800.D

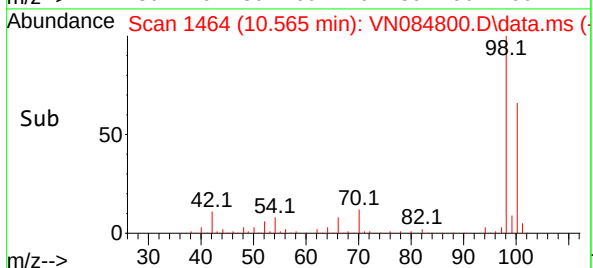
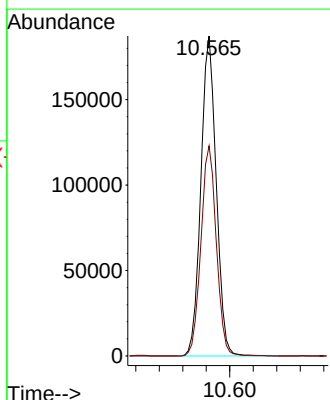
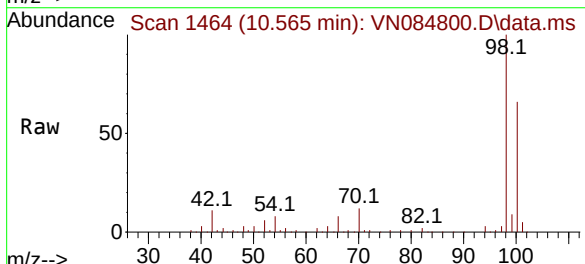
Acq: 12 Nov 2024 16:49

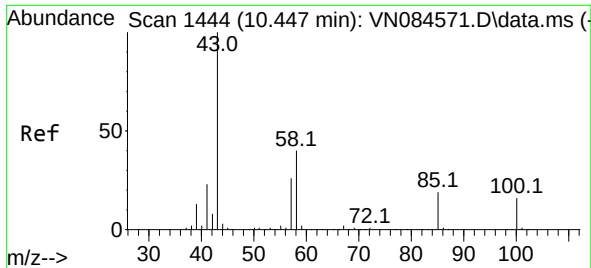
Tgt Ion: 98 Resp: 338922

Ion Ratio Lower Upper

98 100

100 66.0 52.7 79.1

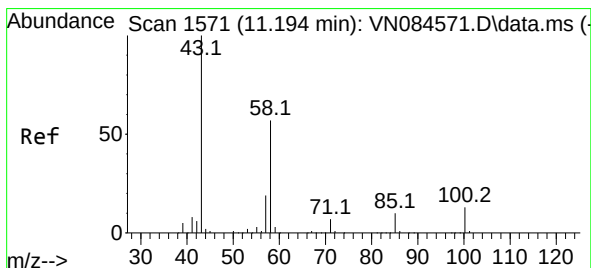
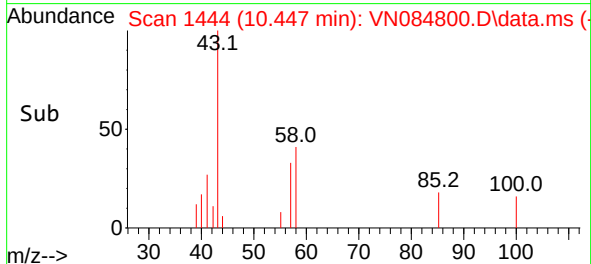
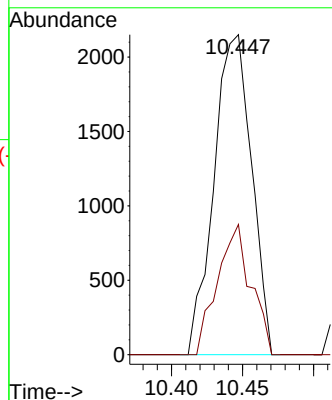
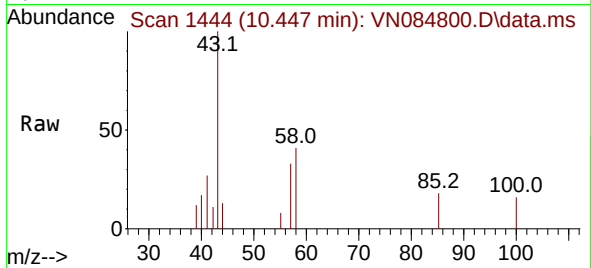




#51
4-Methyl-2-Pentanone
Concen: 1.640 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

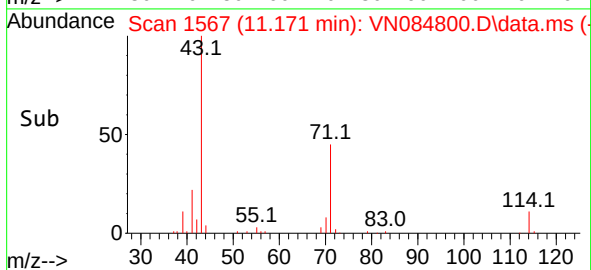
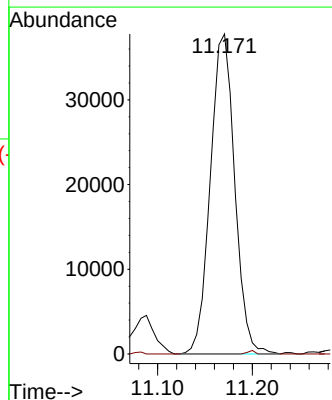
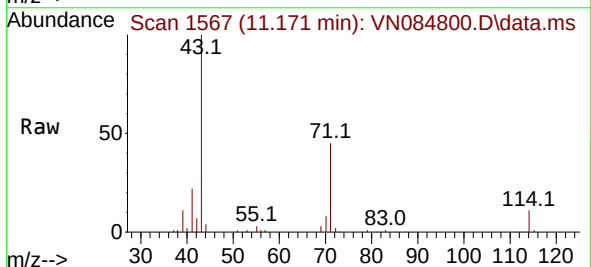
Instrument :
MSVOA_N
ClientSampleId :

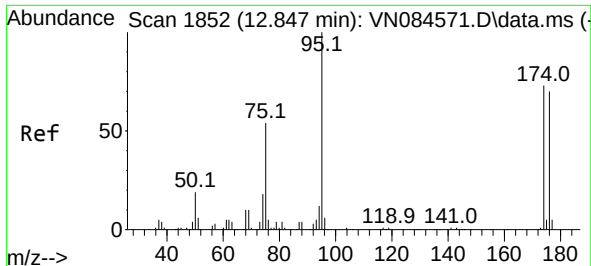
Tgt Ion: 43 Resp: 3965
Ion Ratio Lower Upper
43 100
58 36.2 31.6 47.4



#59
2-Hexanone
Concen: 38.412 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Tgt Ion: 43 Resp: 67593
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#

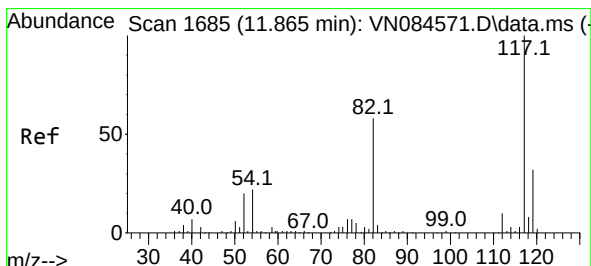
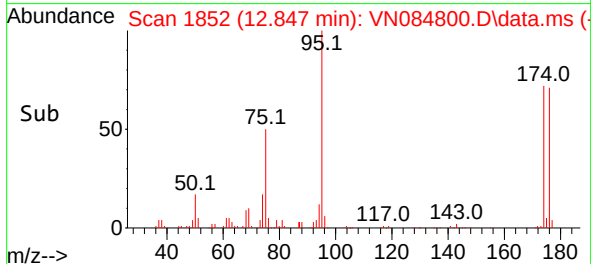
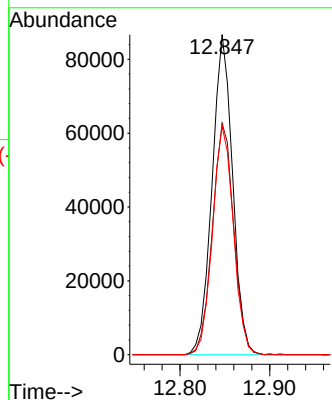
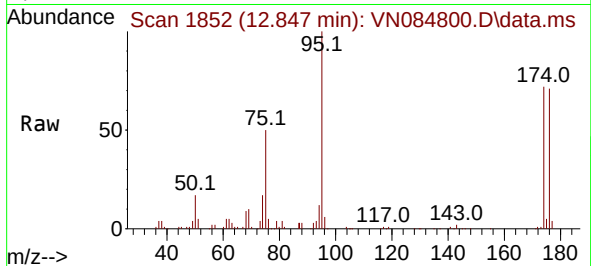




#62
4-Bromofluorobenzene
Concen: 49.541 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

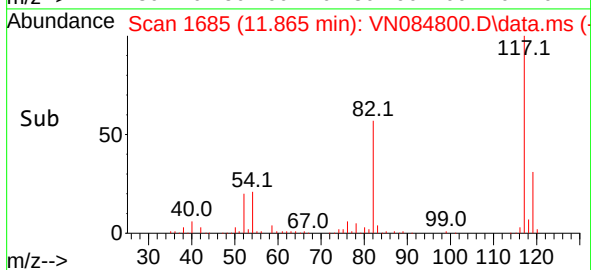
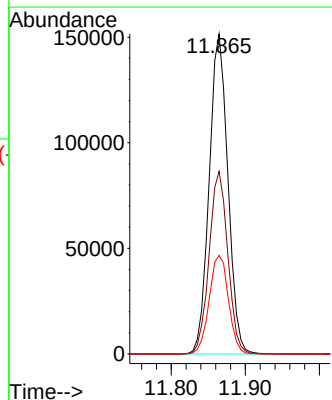
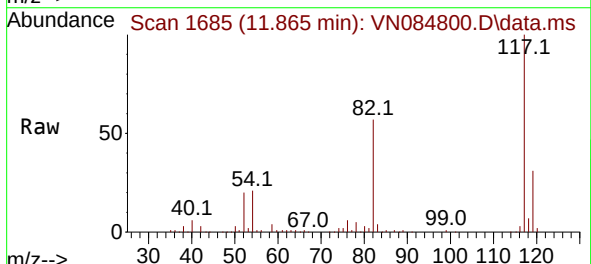
Instrument :
MSVOA_N
ClientSampleId :

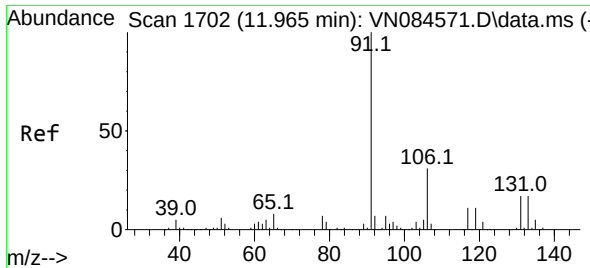
Tgt Ion: 95 Resp: 137454
Ion Ratio Lower Upper
95 100
174 75.3 0.0 145.2
176 72.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Tgt Ion: 117 Resp: 265314
Ion Ratio Lower Upper
117 100
82 57.1 47.2 70.8
119 30.8 25.4 38.0

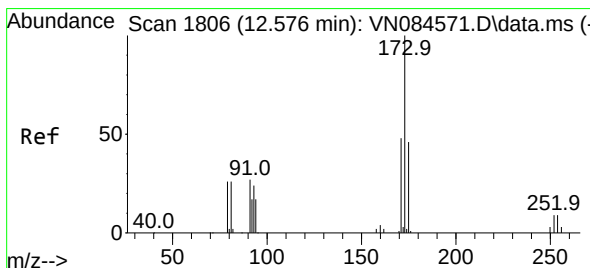
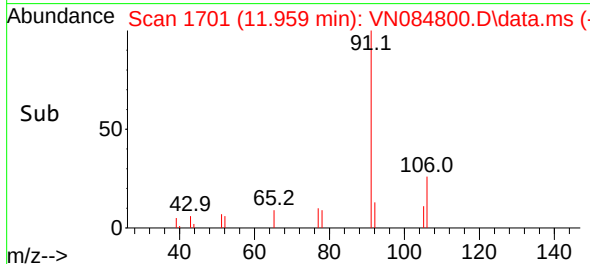
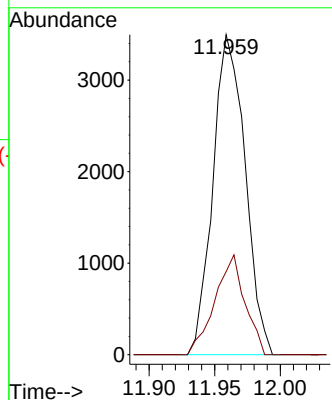
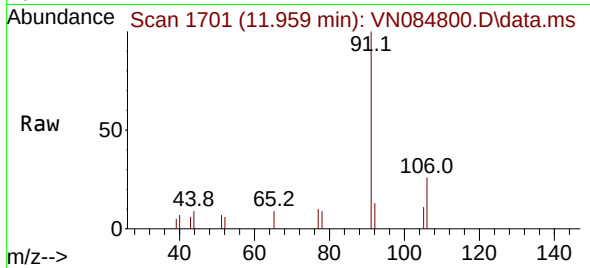




#67
Ethyl Benzene
Concen: 0.602 ug/l
RT: 11.959 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

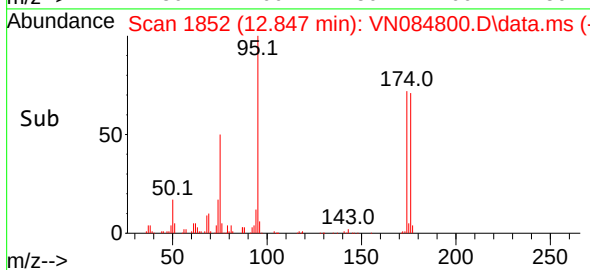
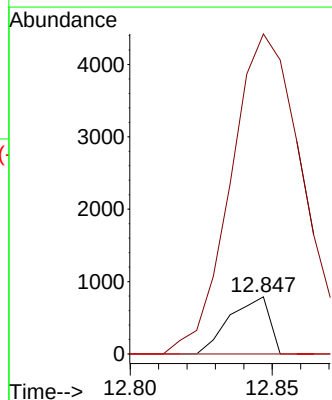
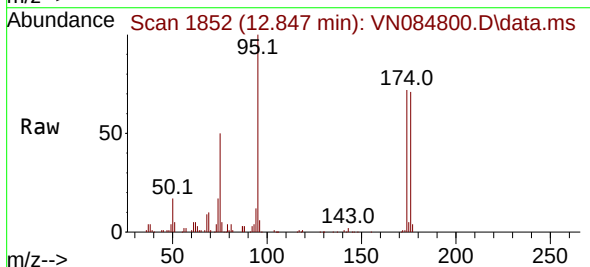
Instrument :
MSVOA_N
ClientSampleId :

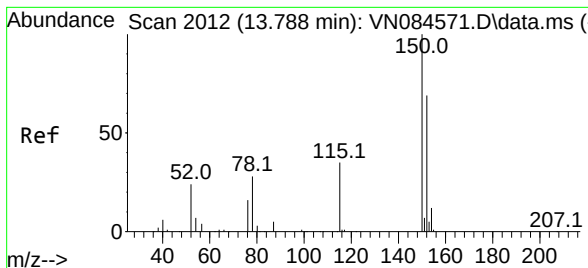
Tgt Ion: 91 Resp: 5968
Ion Ratio Lower Upper
91 100
106 25.9 24.5 36.7



#71
Bromoform
Concen: 0.497 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Tgt Ion:173 Resp: 772
Ion Ratio Lower Upper
173 100
175 744.6 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# 2012

Delta R.T. 0.000 min

Lab File: VN084800.D

Acq: 12 Nov 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

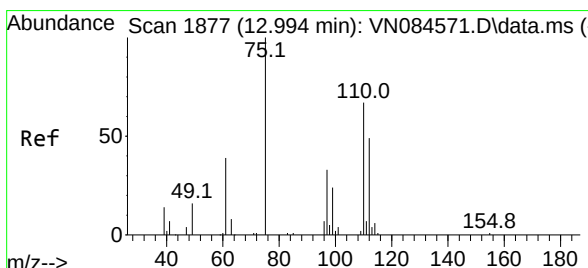
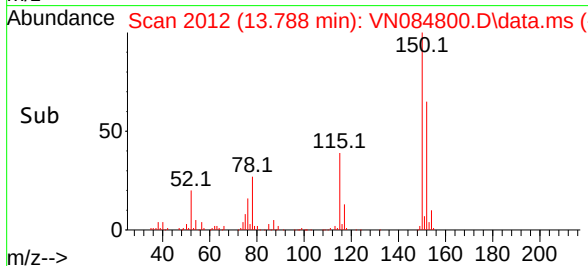
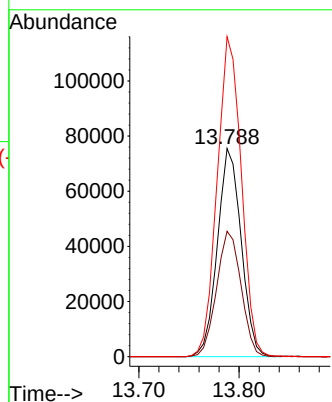
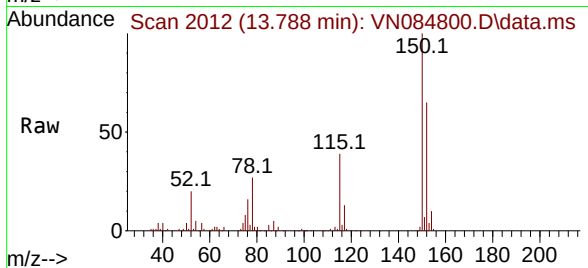
Tgt Ion:152 Resp: 124378

Ion Ratio Lower Upper

152 100

115 61.9 31.3 93.9

150 156.2 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 28.340 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084800.D

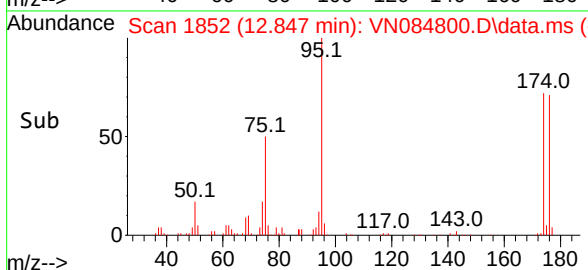
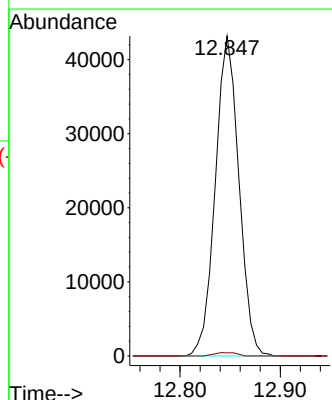
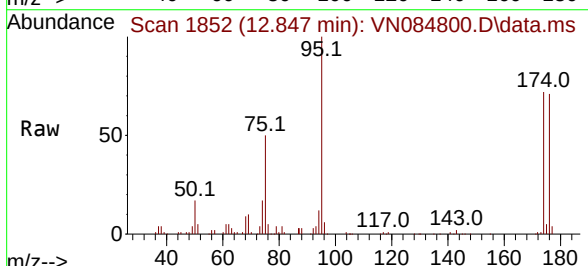
Acq: 12 Nov 2024 16:49

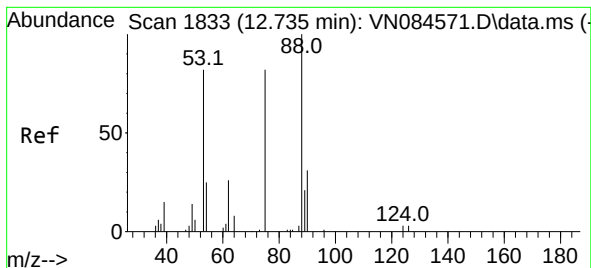
Tgt Ion: 75 Resp: 70460

Ion Ratio Lower Upper

75 100

77 1.0 96.9 290.7#

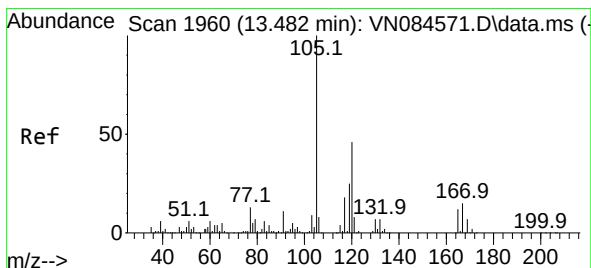
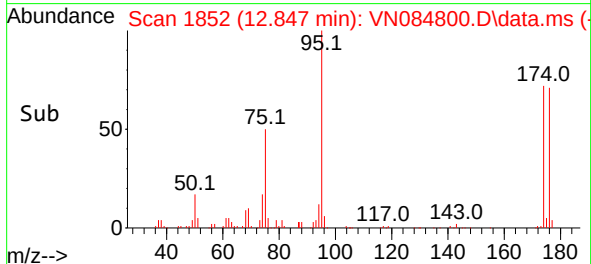
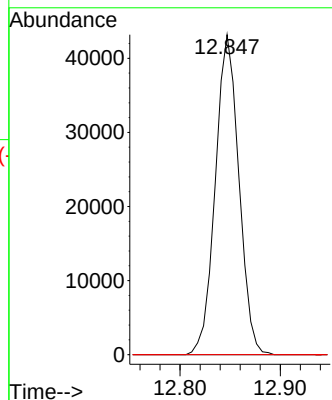
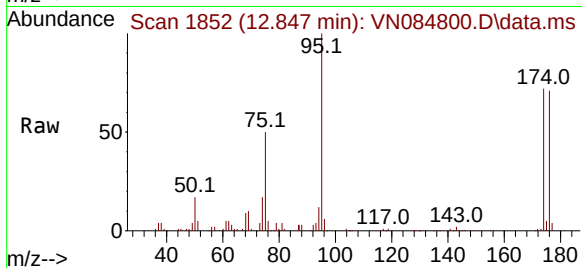




#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.233 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN084800.D
 Acq: 12 Nov 2024 16:49

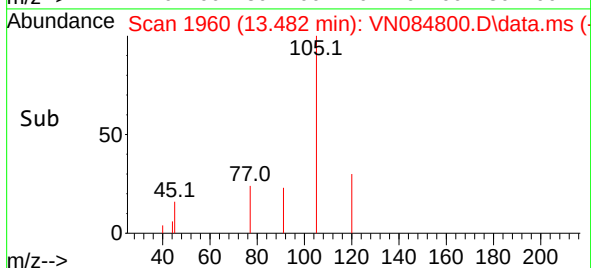
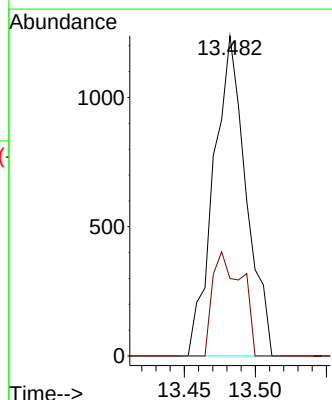
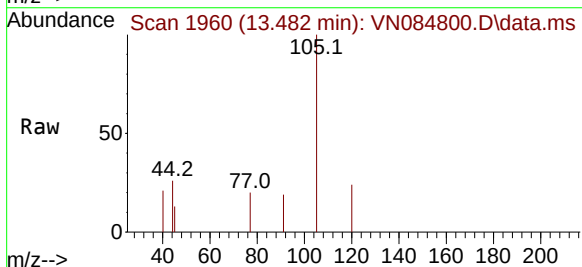
Instrument :
 MSVOA_N
 ClientSampleId :

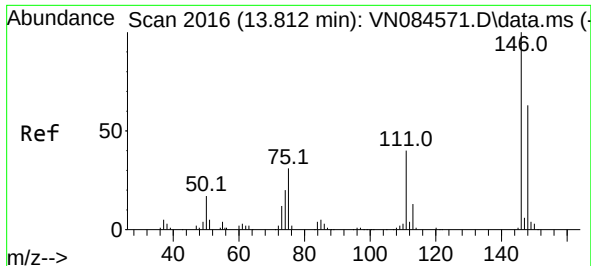
Tgt Ion: 75 Resp: 70460
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.264 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN084800.D
 Acq: 12 Nov 2024 16:49

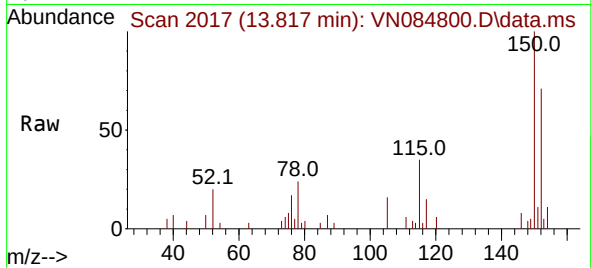
Tgt Ion: 105 Resp: 1968
 Ion Ratio Lower Upper
 105 100
 120 29.3 22.3 66.8



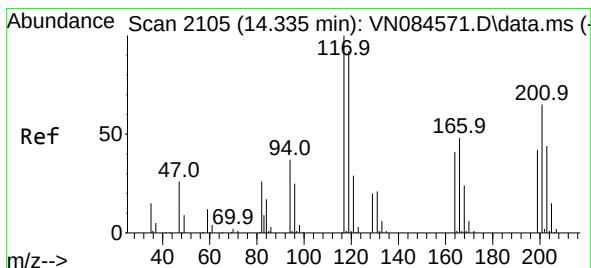
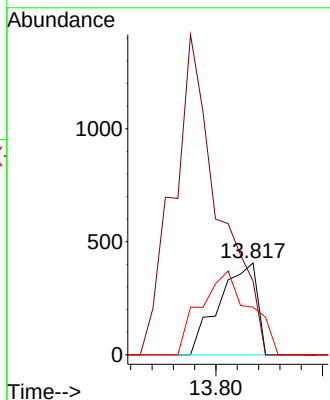
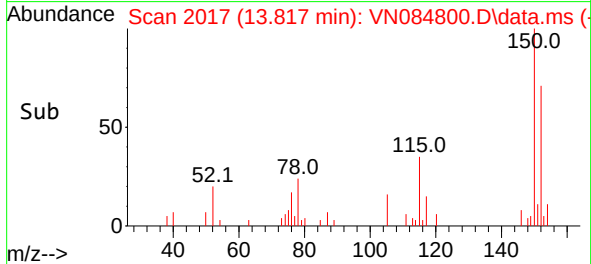


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.817 min Scan# 2016
Delta R.T. 0.005 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :

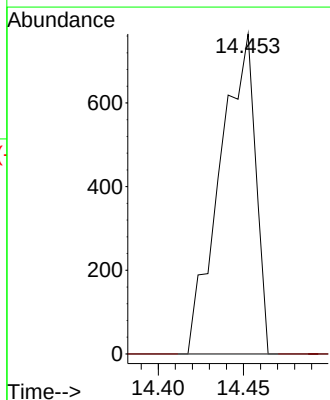
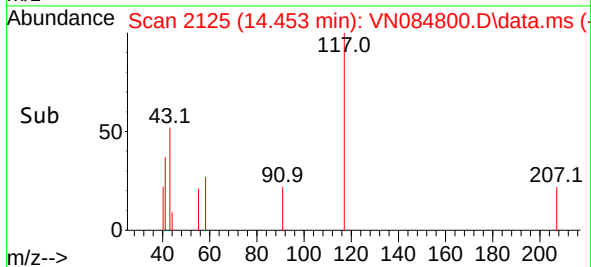
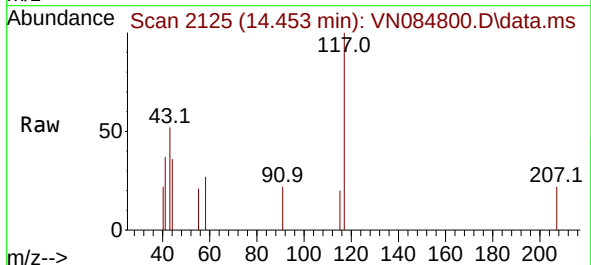


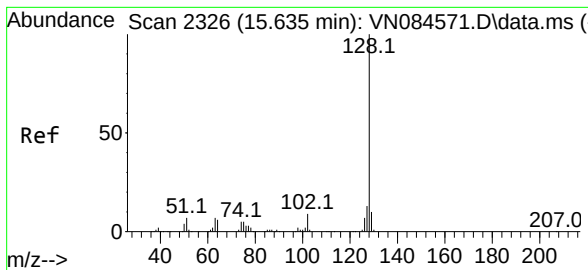
Tgt Ion:146 Resp: 505
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 118.8 31.9 95.9#



#90
Hexachloroethane
Concen: 0.720 ug/l
RT: 14.453 min Scan# 2125
Delta R.T. 0.123 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

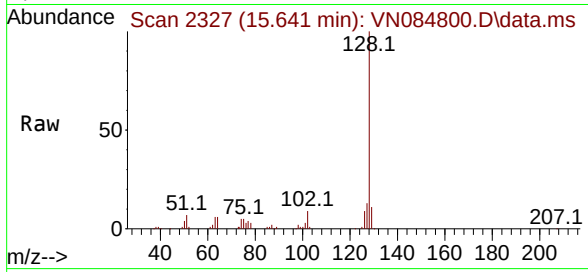
Tgt Ion:117 Resp: 1112
Ion Ratio Lower Upper
117 100
201 0.0 34.4 103.2#





#95
Naphthalene
Concen: 19.586 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	140999
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.7	13.1

