

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
 Data File : VN084780.D
 Acq On : 11 Nov 2024 18:30
 Operator : JC\MD
 Sample : P4789-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-F21

Quant Time: Nov 12 00:36:40 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

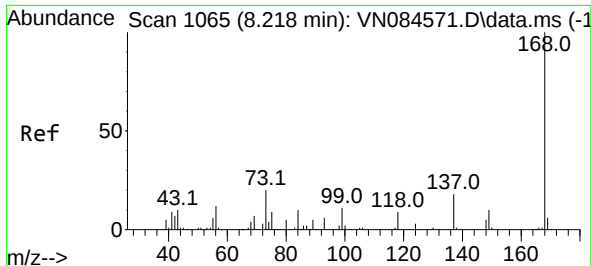
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	175422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	313837	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122506	48.351	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.700%		
35) Dibromofluoromethane	8.159	113	100196	47.167	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.340%		
50) Toluene-d8	10.565	98	364917	46.633	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.260%		
62) 4-Bromofluorobenzene	12.847	95	134822	46.100	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.200%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	499	Below Cal	#	41
6) Chloroethane	3.089	64	89	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	2037	6.091	ug/l #	73
13) Acrolein	4.177	56	167	0.501	ug/l #	67
16) Acetone	4.436	43	27472	35.084	ug/l	92
18) Methyl Acetate	5.024	43	8825	Below Cal		97
20) Methylene Chloride	5.265	84	3951	1.773	ug/l #	74
25) 2-Butanone	7.500	43	3096	2.619	ug/l #	81
29) Tetrahydrofuran	7.847	42	530	0.676	ug/l #	34
31) Cyclohexane	8.218	56	3544	1.013	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14187	4.815	ug/l #	52
37) Ethyl Acetate	7.565	43	2542	0.951	ug/l #	76
38) Carbon Tetrachloride	8.218	117	18393	5.585	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	1146	0.374	ug/l #	75
43) Isopropyl Acetate	8.688	43	175973	35.352	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	1136	0.512	ug/l #	44
48) Methyl methacrylate	9.677	41	2392	1.150	ug/l #	13
49) 1,4-Dioxane	9.735	88	55	1.492	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	6763	2.654	ug/l #	68
54) cis-1,3-Dichloropropene	10.359	75	32492	8.984	ug/l #	63
56) Ethyl methacrylate	10.976	69	1148	0.381	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4314	1.206	ug/l #	42
59) 2-Hexanone	11.171	43	74382	40.103	ug/l #	24
74) N-amyl acetate	12.476	43	1365	0.363	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	70579	27.977	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70579	66.373	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	113	Below Cal	#	1

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

Quant Time: Nov 12 00:36:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
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QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

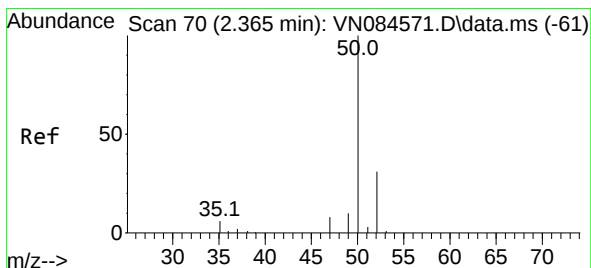
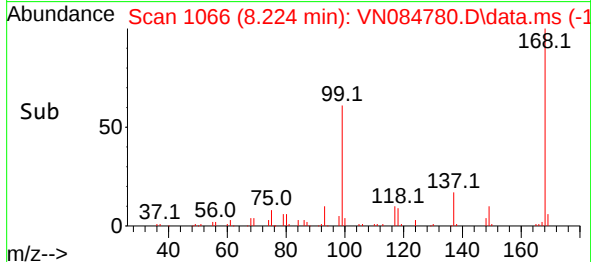
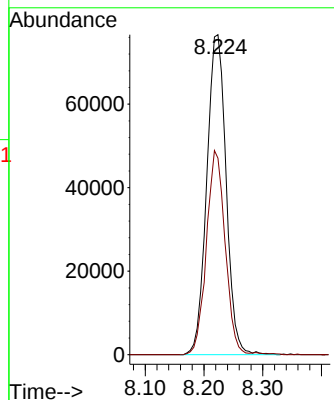
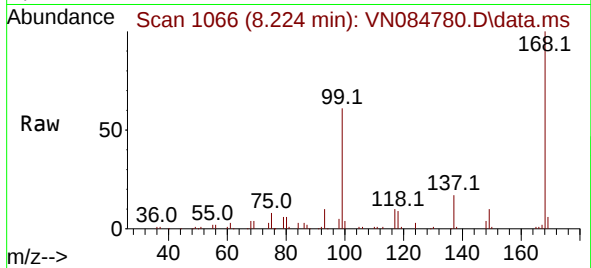




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

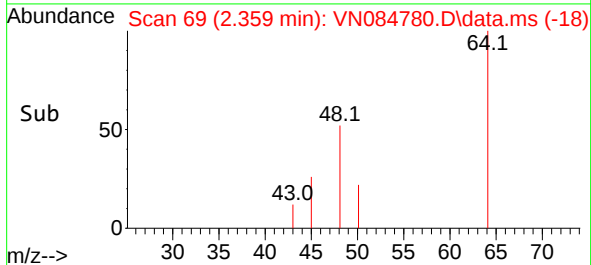
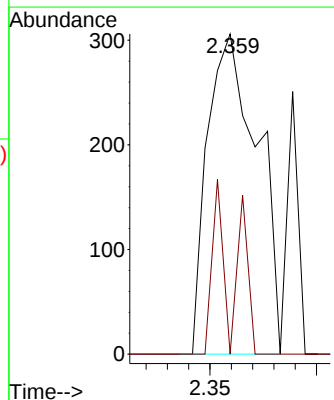
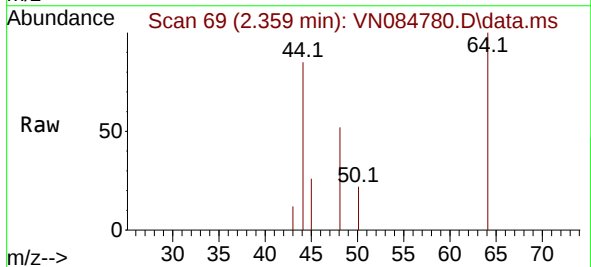
Instrument :
MSVOA_N
ClientSampleId :
BP-F21

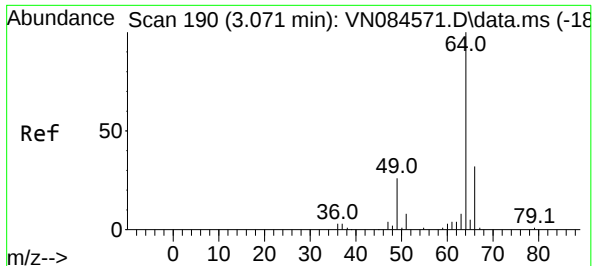
Tgt Ion:168 Resp: 175422
Ion Ratio Lower Upper
168 100
99 61.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion: 50 Resp: 499
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

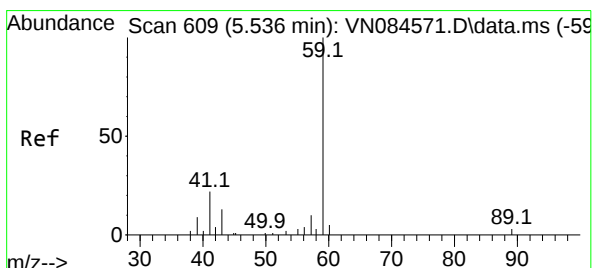
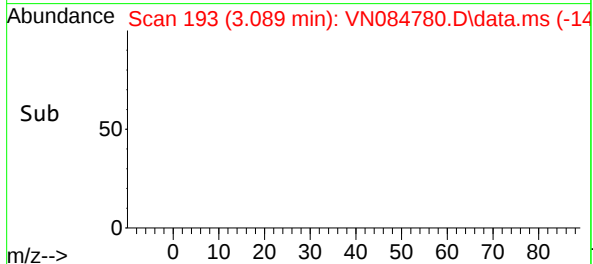
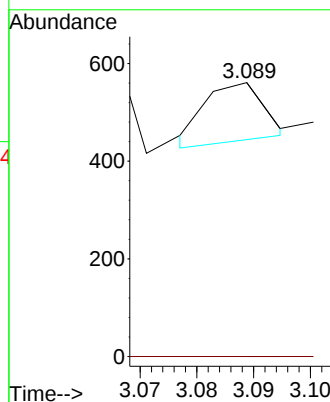
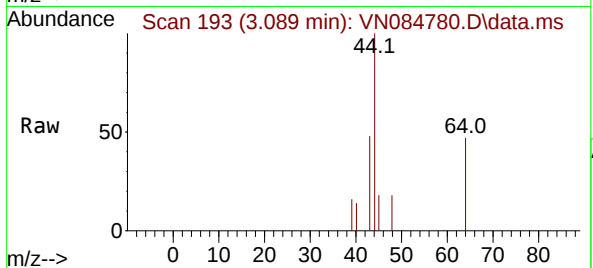




#6
Chloroethane
Concen: Below Cal
RT: 3.089 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

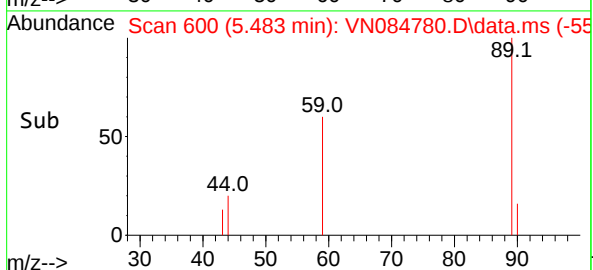
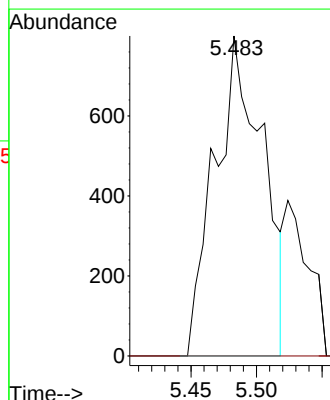
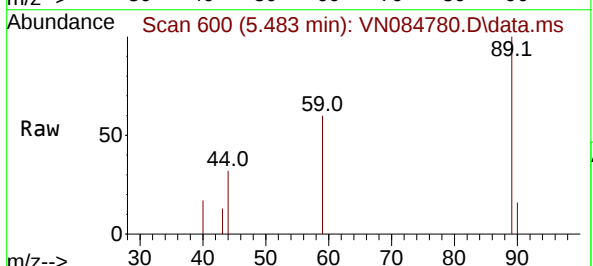
Instrument :
MSVOA_N
ClientSampleId :
BP-F21

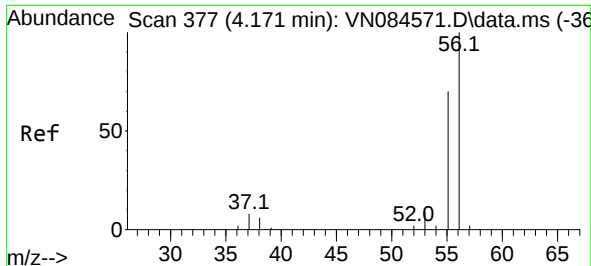
Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 6.091 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

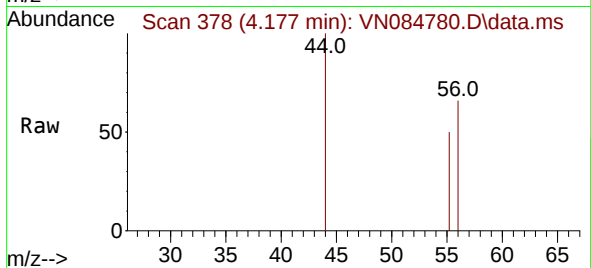
Tgt Ion: 59 Resp: 2037
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



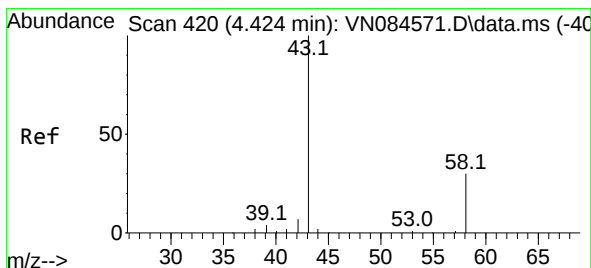
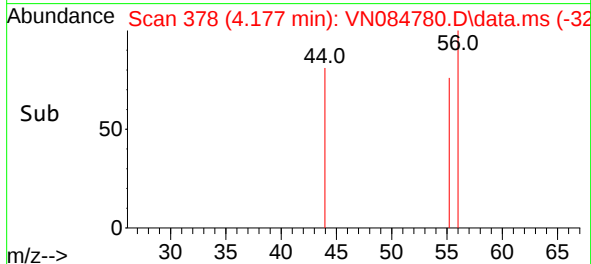
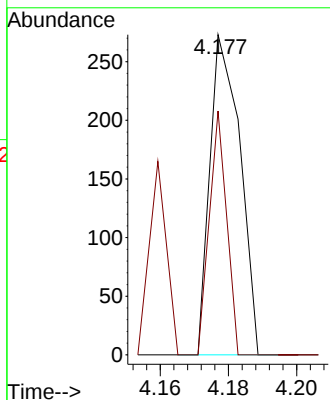


#13
Acrolein
Concen: 0.501 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Instrument :
MSVOA_N
ClientSampleId :
BP-F21

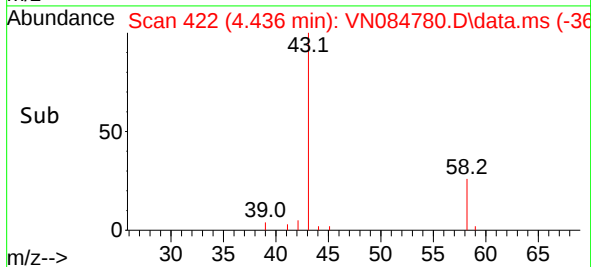
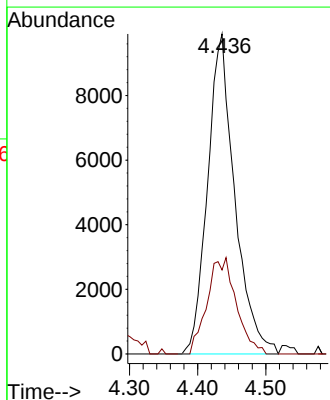
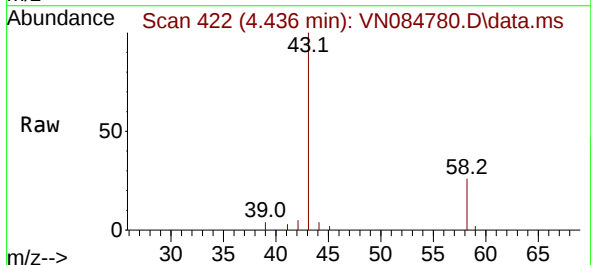


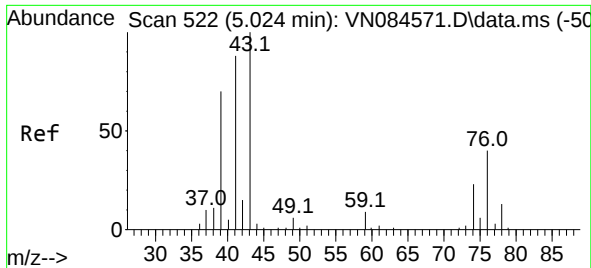
Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 43.7 57.2 85.8#



#16
Acetone
Concen: 35.084 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion: 43 Resp: 27472
Ion Ratio Lower Upper
43 100
58 26.2 24.4 36.6

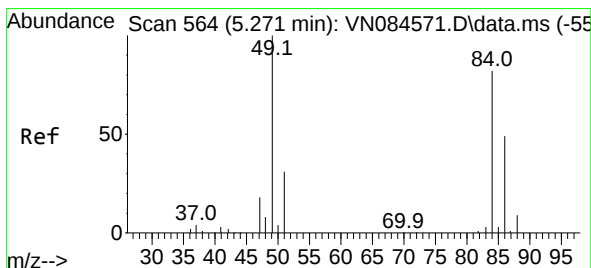
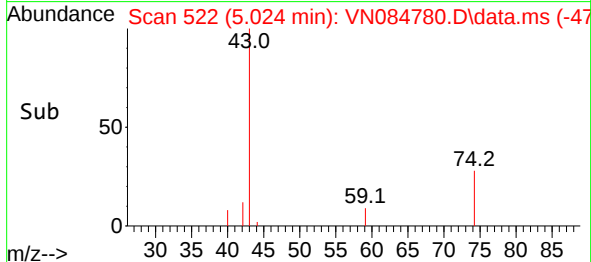
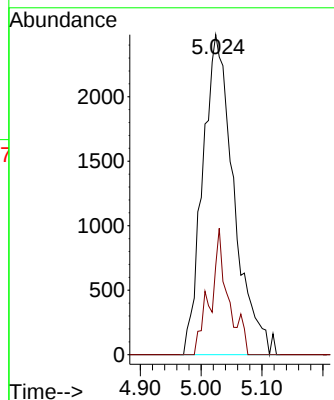
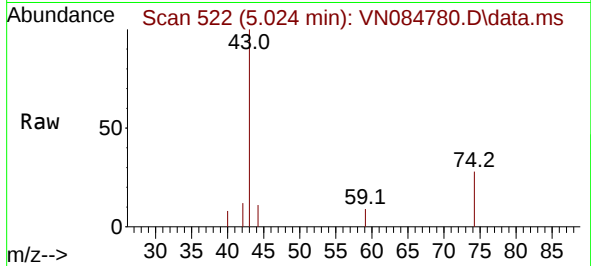




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

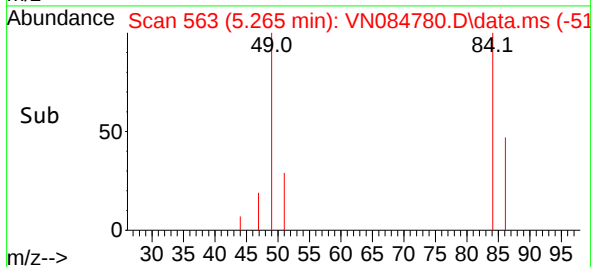
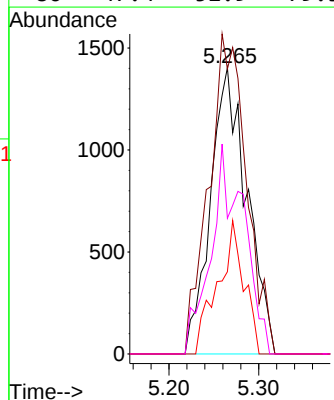
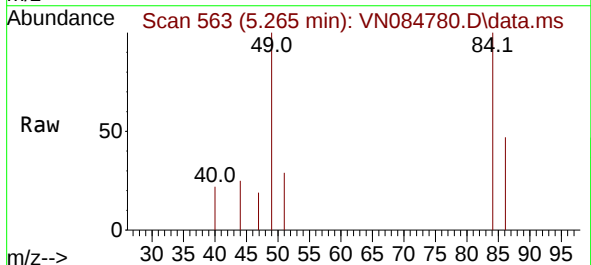
Instrument :
MSVOA_N
ClientSampleId :
BP-F21

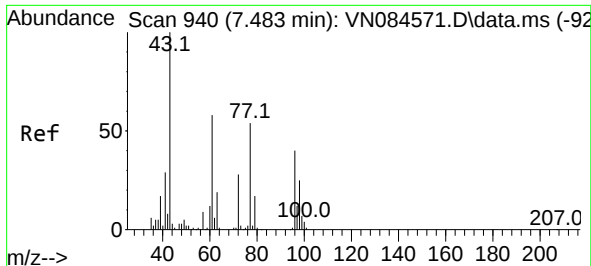
Tgt Ion: 43 Resp: 8825
Ion Ratio Lower Upper
43 100
74 22.5 19.2 28.8



#20
Methylene Chloride
Concen: 1.773 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion: 84 Resp: 3951
Ion Ratio Lower Upper
84 100
49 99.5 107.2 160.8#
51 28.7 31.8 47.8#
86 47.4 52.9 79.3#

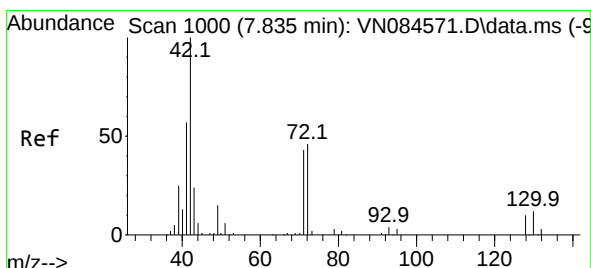
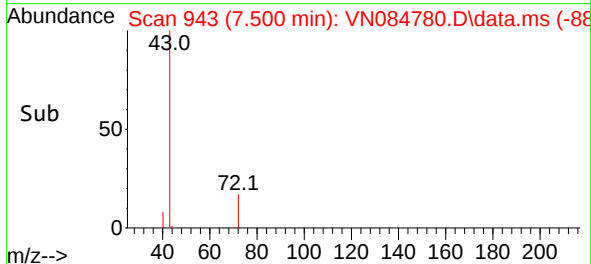
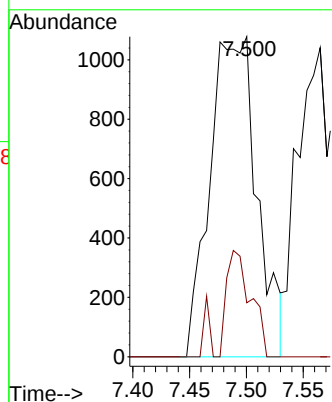
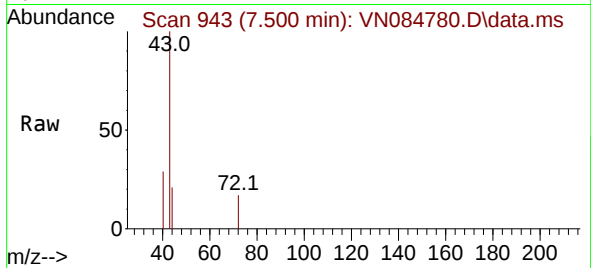




#25
2-Butanone
Concen: 2.619 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

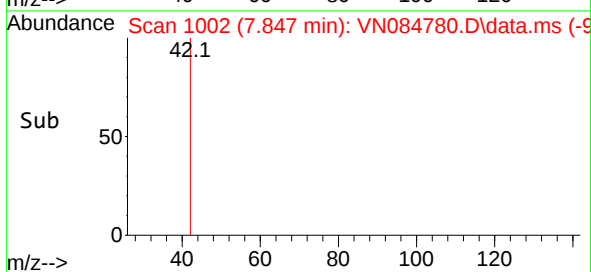
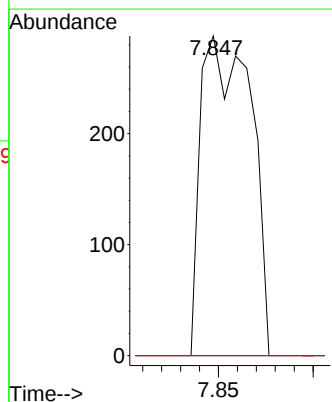
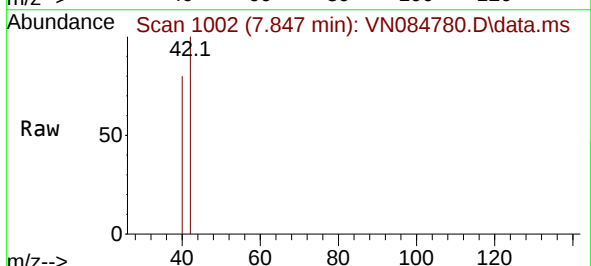
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ClientSampleId :
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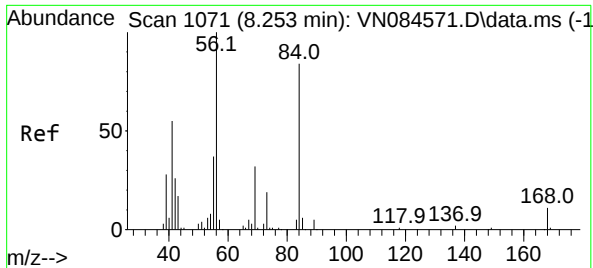
Tgt Ion: 43 Resp: 3096
Ion Ratio Lower Upper
43 100
72 16.9 21.4 32.2#



#29
Tetrahydrofuran
Concen: 0.676 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion: 42 Resp: 530
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#

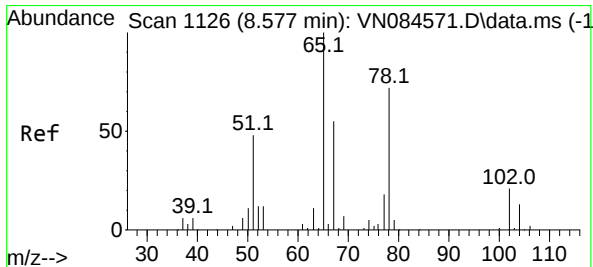
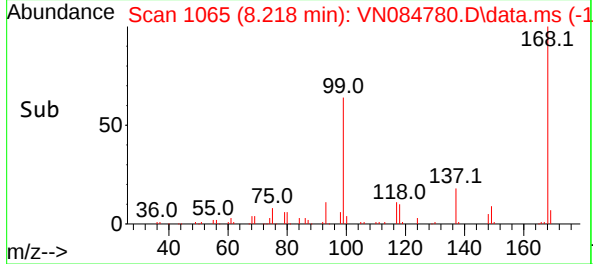
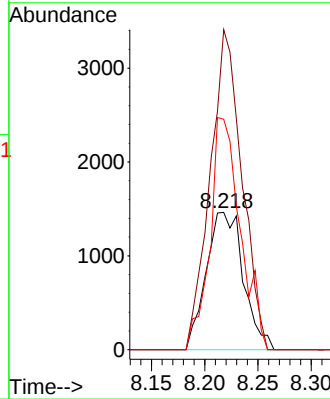
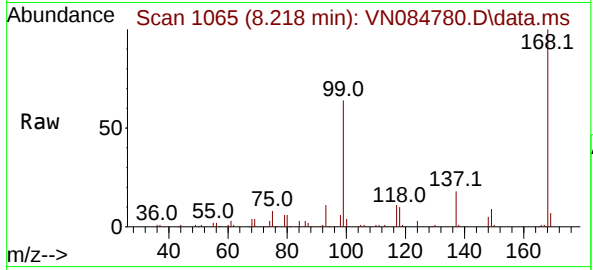




#31
Cyclohexane
Concen: 1.013 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

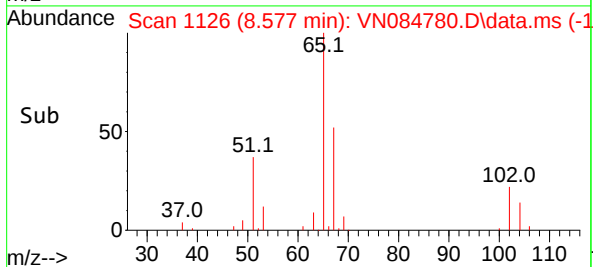
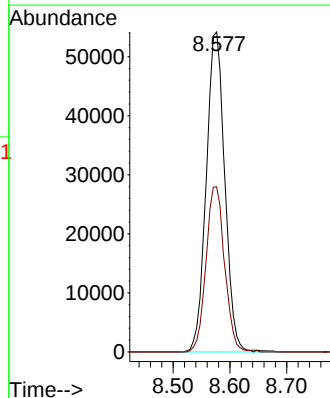
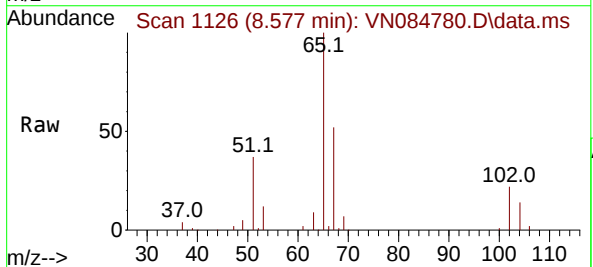
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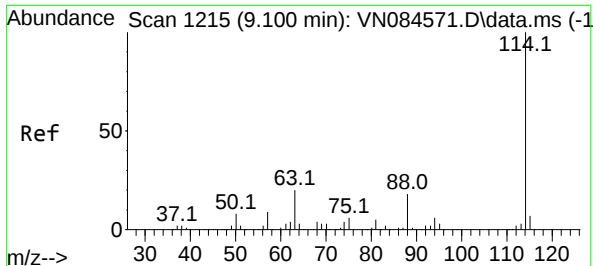
Tgt Ion: 56 Resp: 3544
Ion Ratio Lower Upper
56 100
69 233.1 23.8 35.6#
84 167.9 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.351 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion: 65 Resp: 122506
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.0

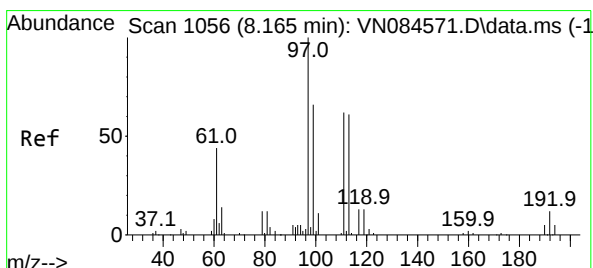
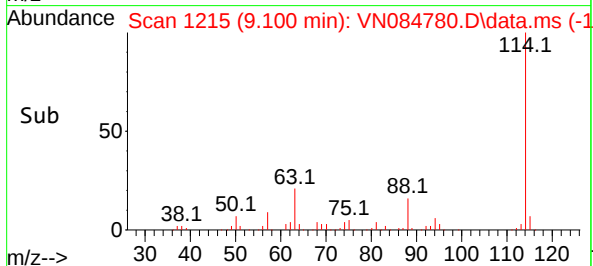
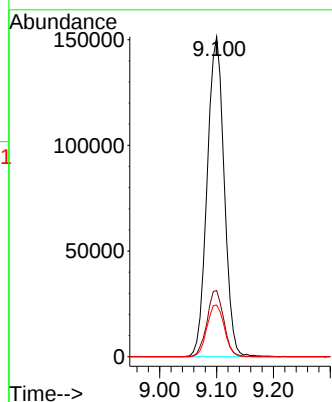
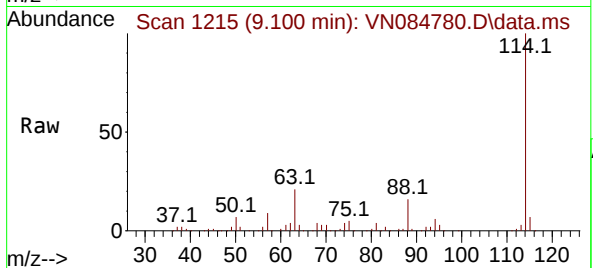




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

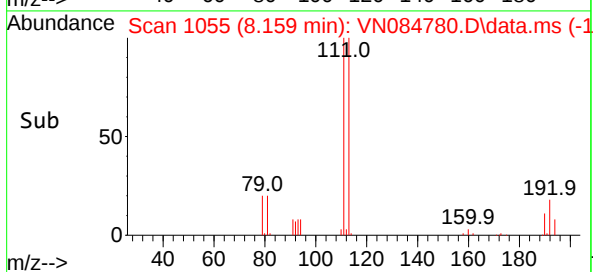
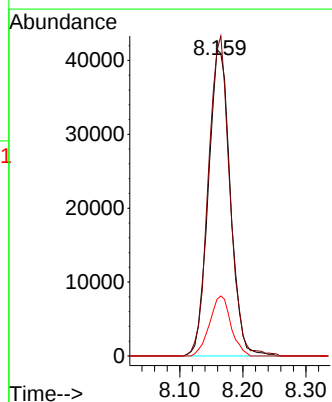
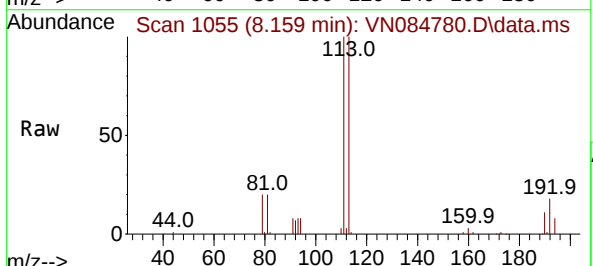
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MSVOA_N
ClientSampleId :
BP-F21

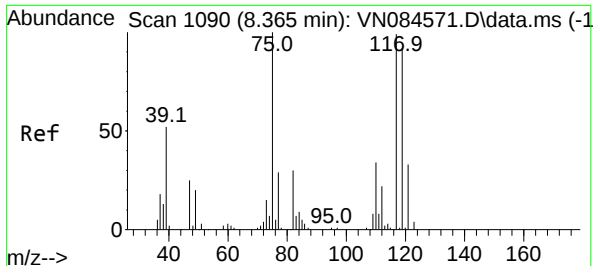
Tgt Ion:114 Resp: 313837
Ion Ratio Lower Upper
114 100
63 20.6 0.0 43.8
88 16.1 0.0 31.6



#35
Dibromofluoromethane
Concen: 47.167 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion:113 Resp: 100196
Ion Ratio Lower Upper
113 100
111 101.7 83.3 124.9
192 19.0 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.815 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084780.D

Acq: 11 Nov 2024 18:30

Instrument :

MSVOA_N

ClientSampleId :

BP-F21

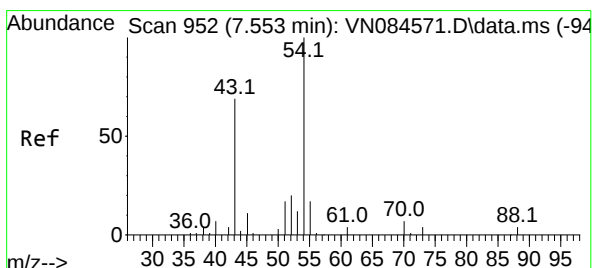
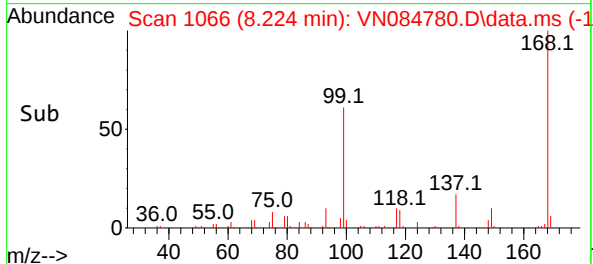
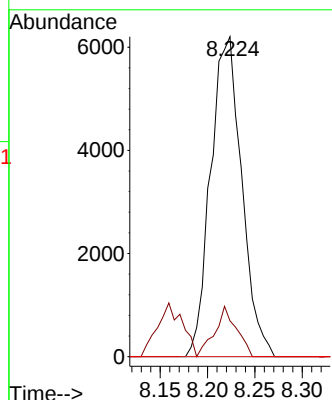
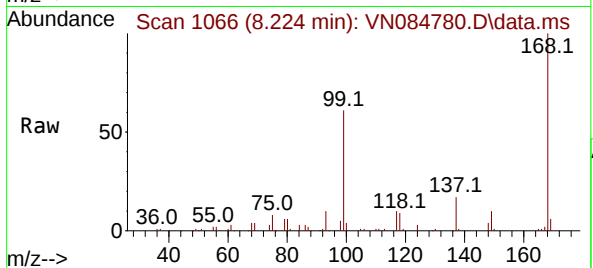
Tgt Ion: 75 Resp: 14187

Ion Ratio Lower Upper

75 100

110 11.0 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.951 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN084780.D

Acq: 11 Nov 2024 18:30

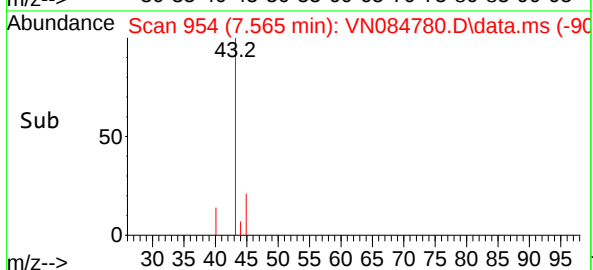
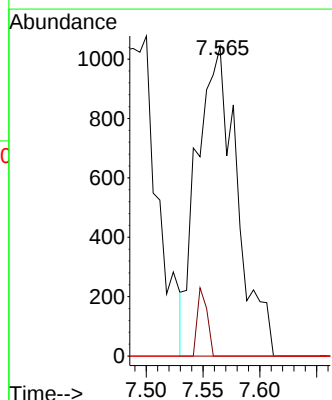
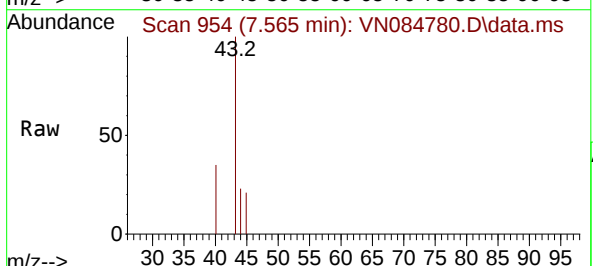
Tgt Ion: 43 Resp: 2542

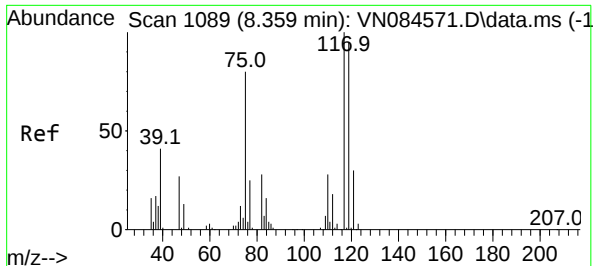
Ion Ratio Lower Upper

43 100

61 5.4 10.7 16.1#

70 0.0 8.8 13.2#

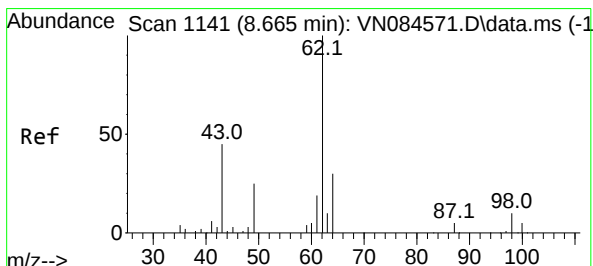
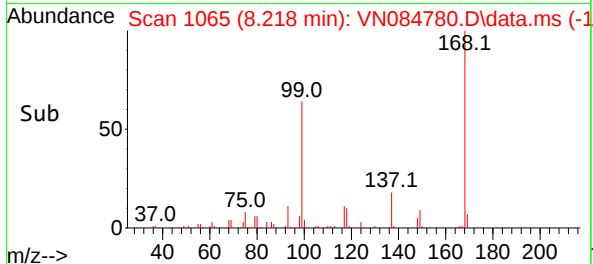
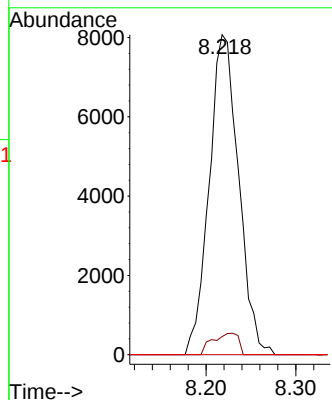
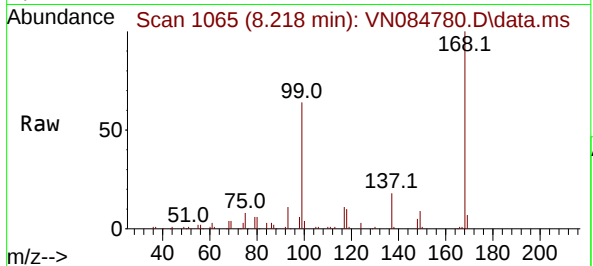




#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

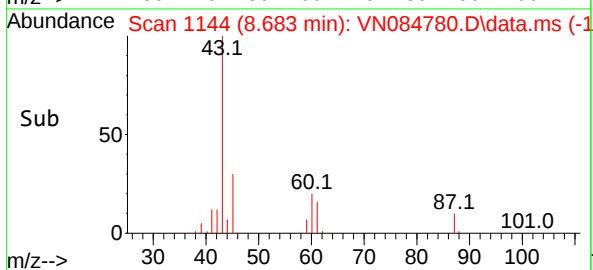
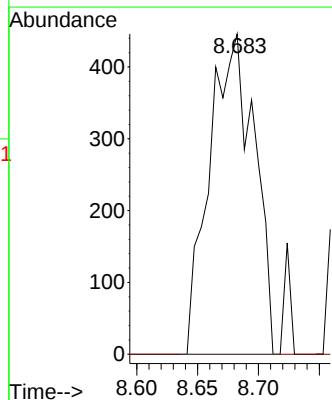
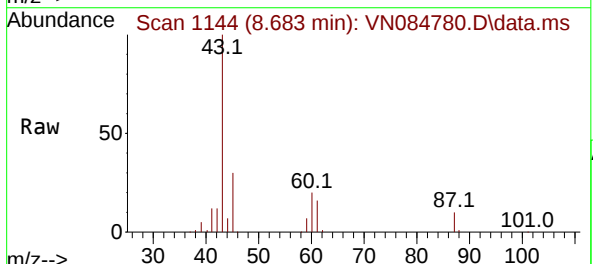
Instrument :
MSVOA_N
ClientSampleId :
BP-F21

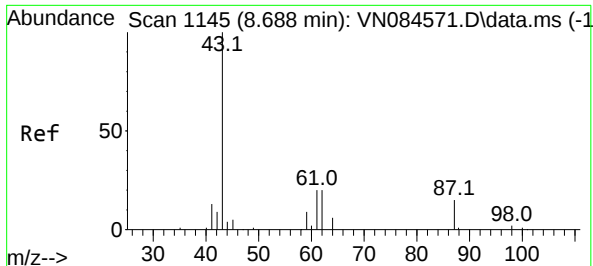
Tgt Ion: 117 Resp: 18393
Ion Ratio Lower Upper
117 100
119 5.6 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.374 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion: 62 Resp: 1146
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

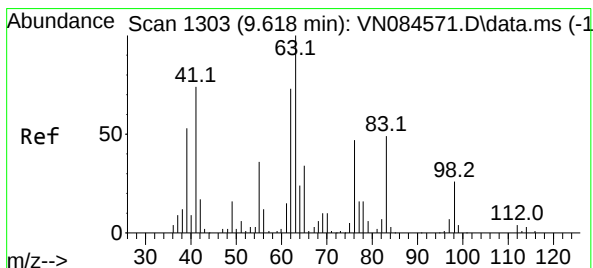
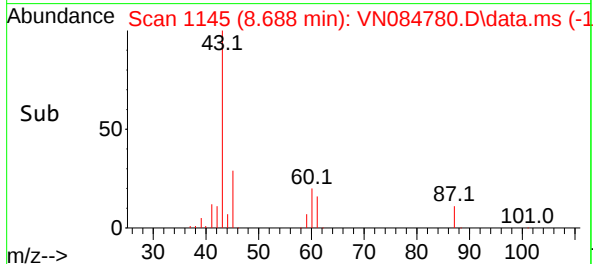
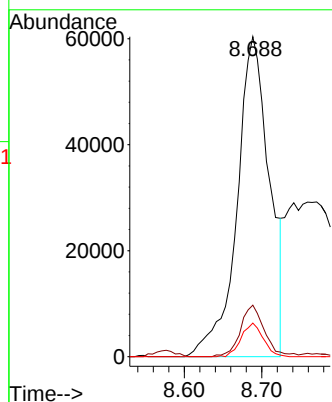
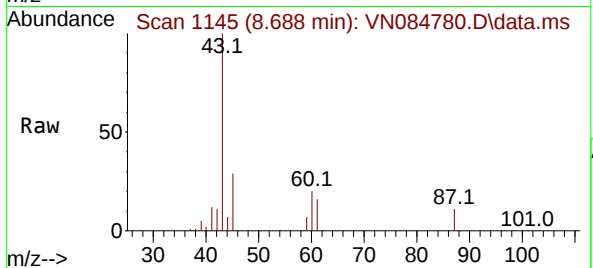




#43
Isopropyl Acetate
Concen: 35.352 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

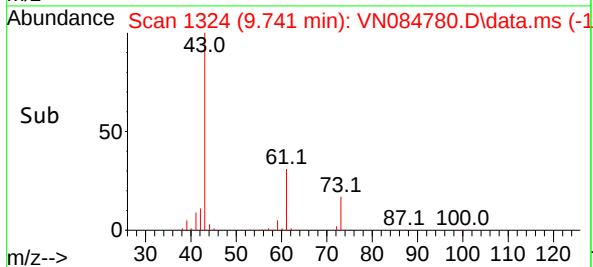
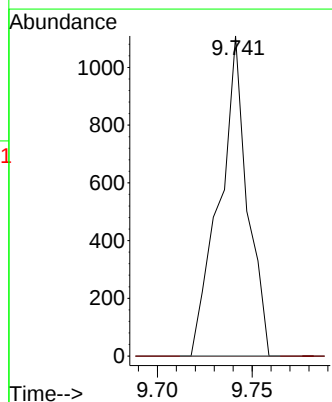
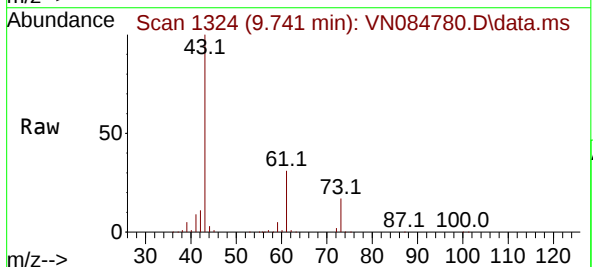
Instrument :
MSVOA_N
ClientSampleId :
BP-F21

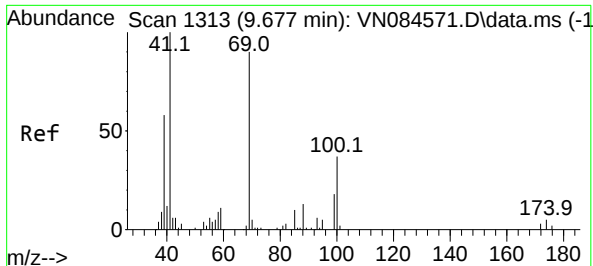
Tgt Ion: 43 Resp: 175973
Ion Ratio Lower Upper
43 100
61 12.0 20.4 30.6#
87 7.1 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.512 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion: 63 Resp: 1136
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

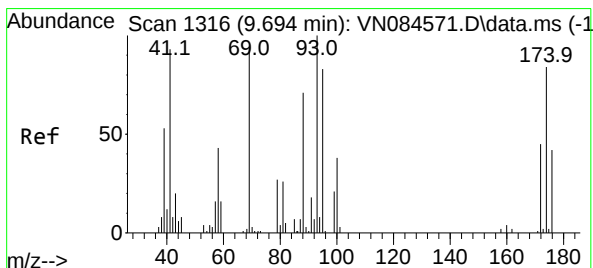
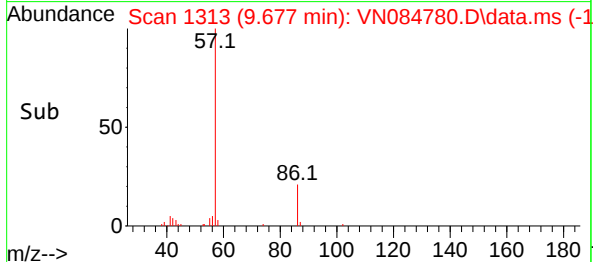
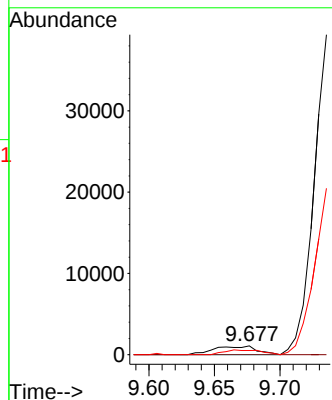
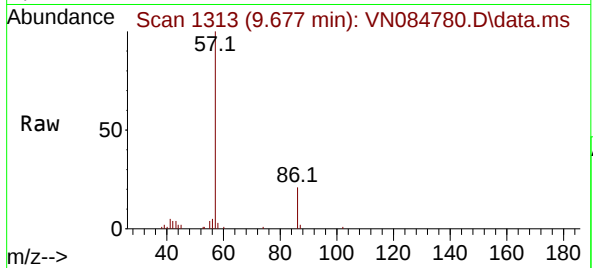




#48
Methyl methacrylate
Concen: 1.150 ug/l
RT: 9.677 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

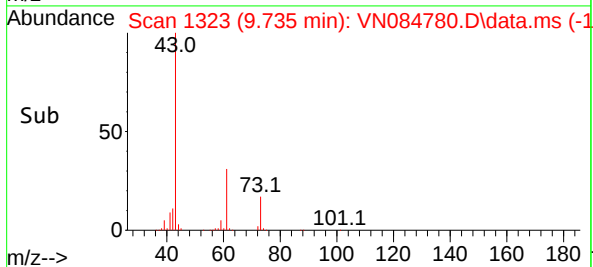
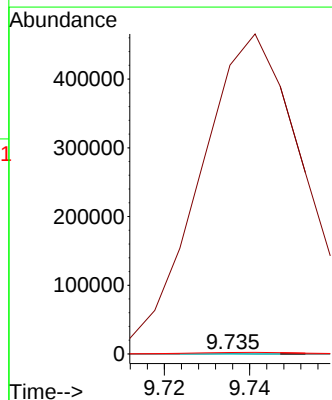
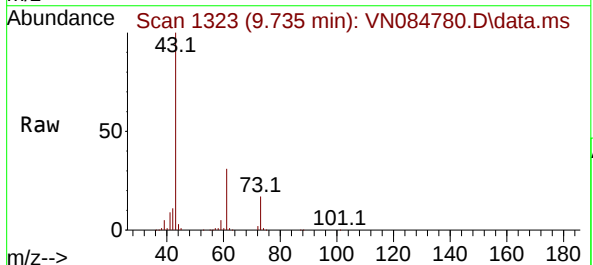
Instrument :
MSVOA_N
ClientSampleId :
BP-F21

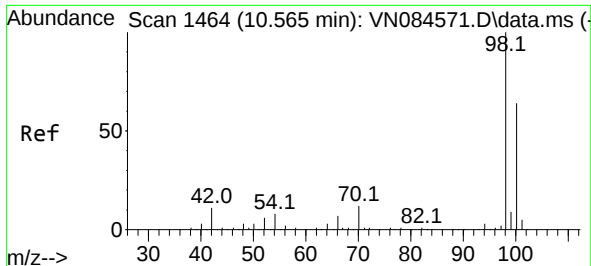
Tgt Ion: 41 Resp: 2392
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 0.0 45.8 68.6#



#49
1,4-Dioxane
Concen: 1.492 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 1487896.4 25.3 37.9#
58 7678.2 56.4 84.6#

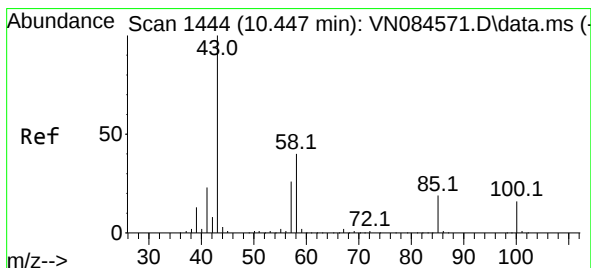
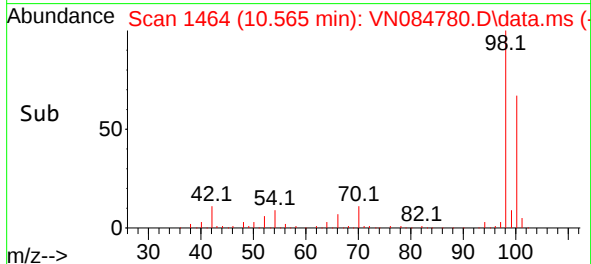
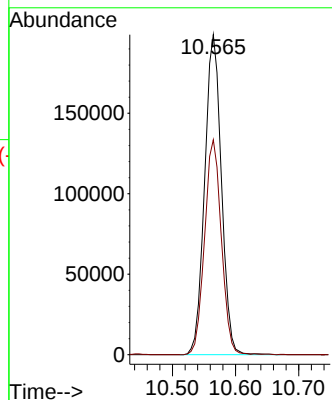
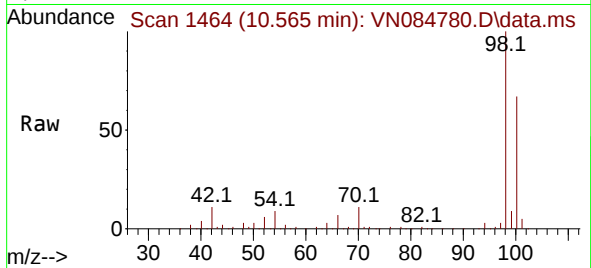




#50
Toluene-d8
Concen: 46.633 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

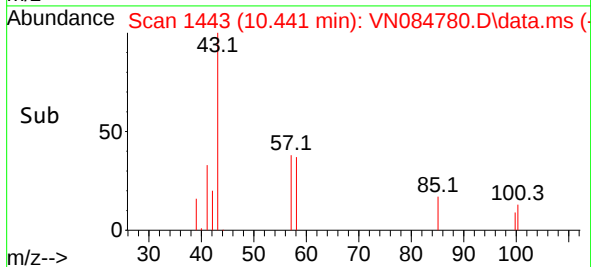
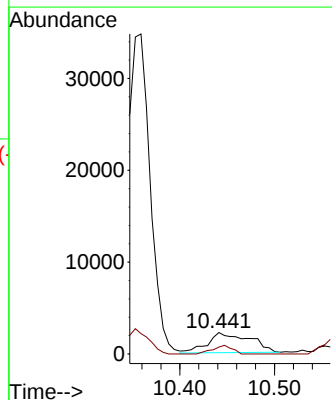
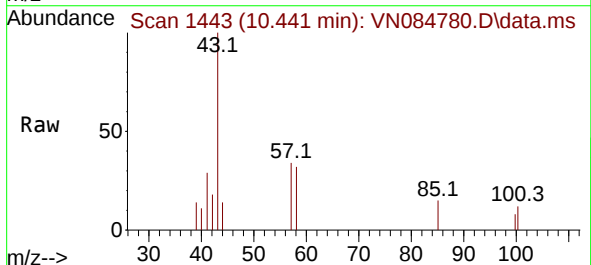
Instrument :
MSVOA_N
ClientSampleId :
BP-F21

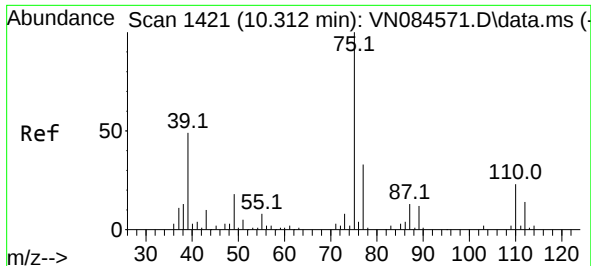
Tgt Ion: 98 Resp: 364917
Ion Ratio Lower Upper
98 100
100 67.4 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 2.654 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion: 43 Resp: 6763
Ion Ratio Lower Upper
43 100
58 19.8 31.6 47.4#

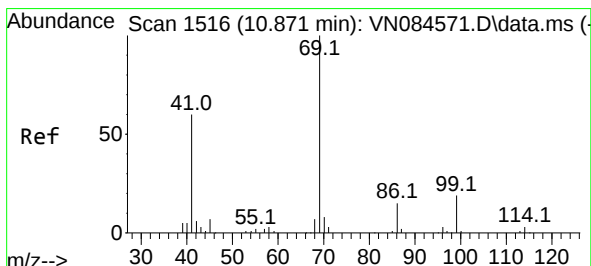
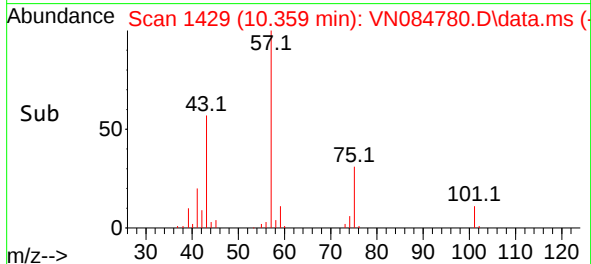
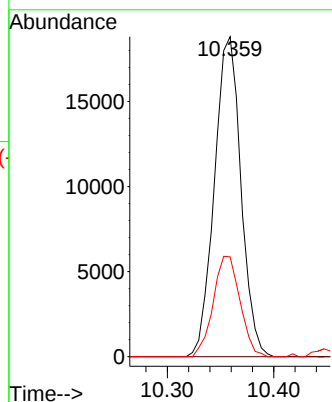
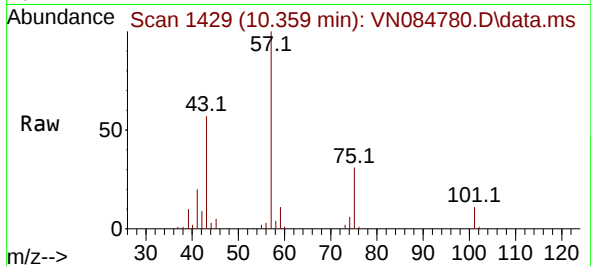




#54
cis-1,3-Dichloropropene
Concen: 8.984 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

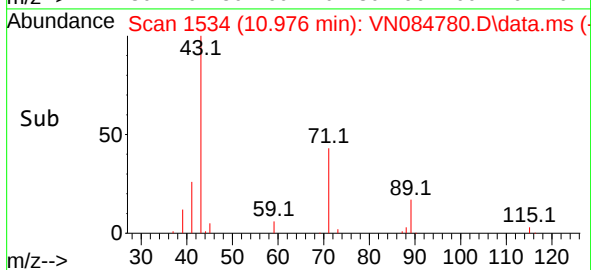
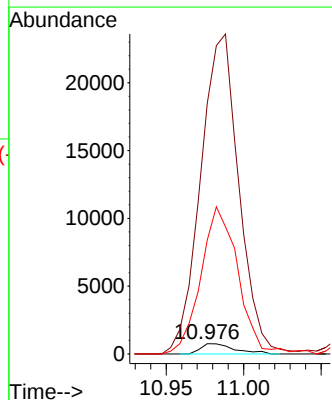
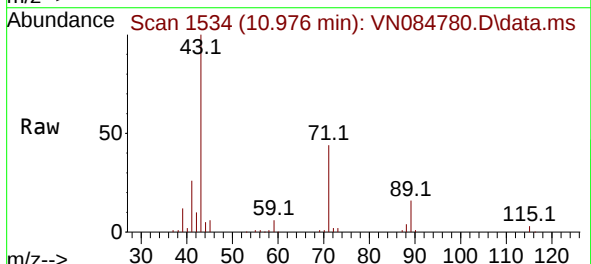
Instrument :
MSVOA_N
ClientSampleId :
BP-F21

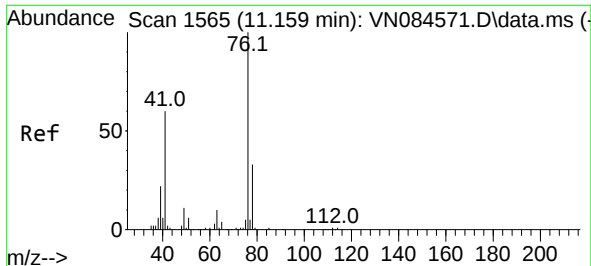
Tgt Ion: 75 Resp: 32492
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 31.2 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.381 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion: 69 Resp: 1148
Ion Ratio Lower Upper
69 100
41 3529.9 53.3 79.9#
39 1585.5 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.206 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084780.D

Acq: 11 Nov 2024 18:30

Instrument :

MSVOA_N

ClientSampleId :

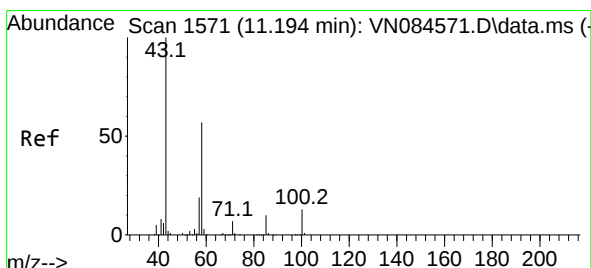
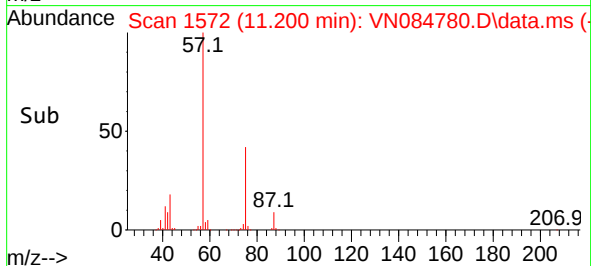
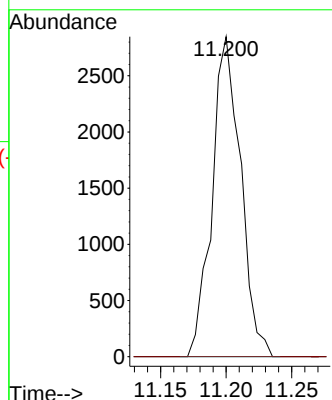
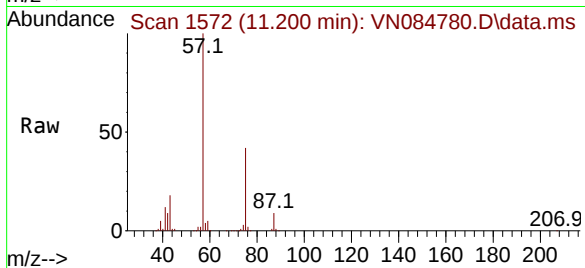
BP-F21

Tgt Ion: 76 Resp: 4314

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 40.103 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084780.D

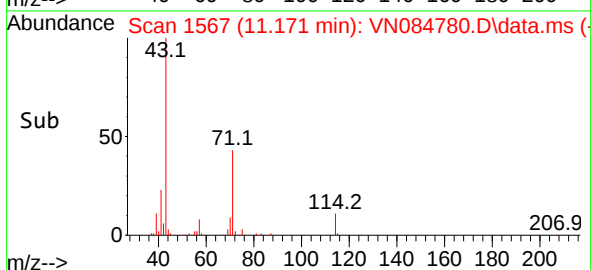
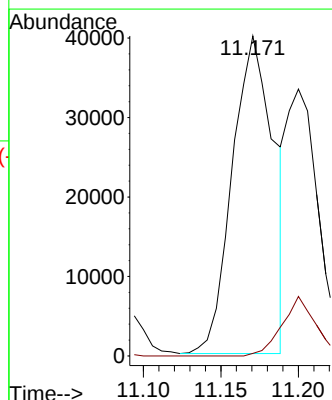
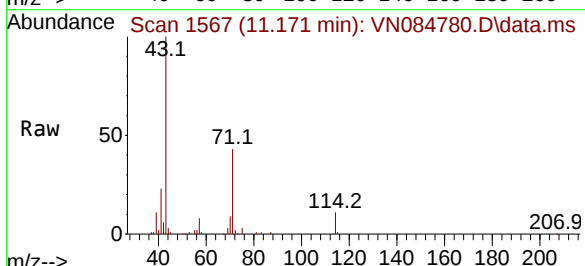
Acq: 11 Nov 2024 18:30

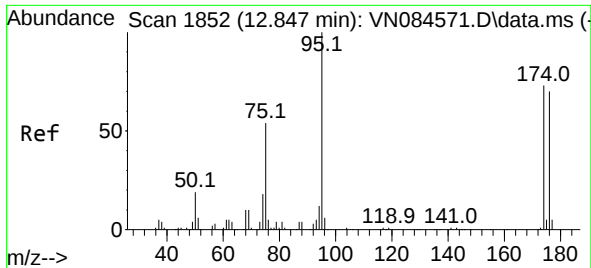
Tgt Ion: 43 Resp: 74382

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

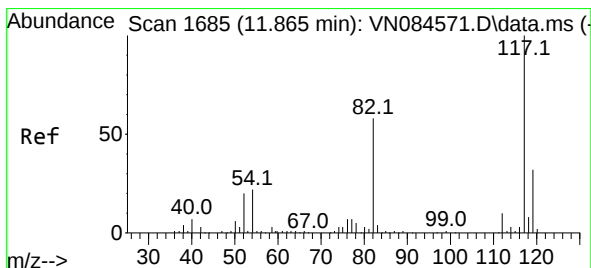
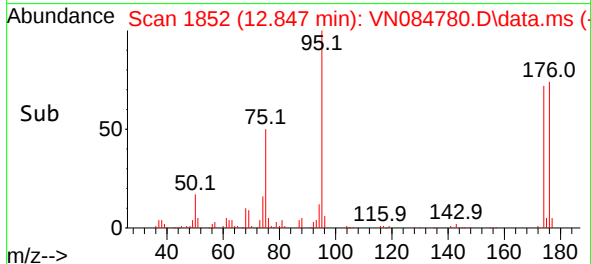
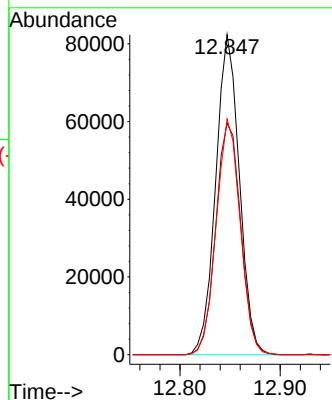
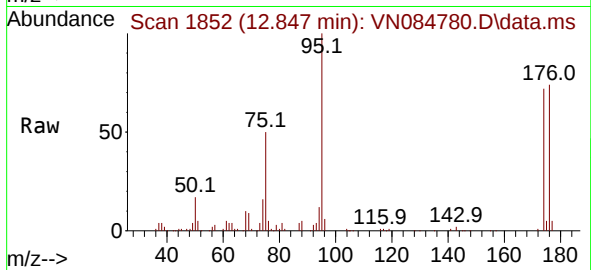




#62
4-Bromofluorobenzene
Concen: 46.100 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

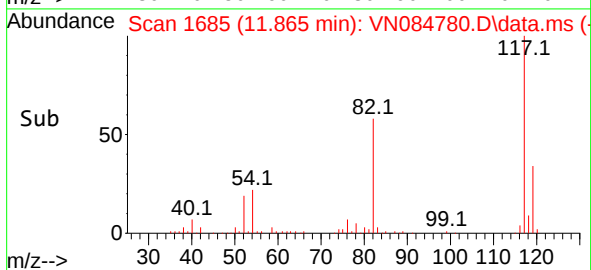
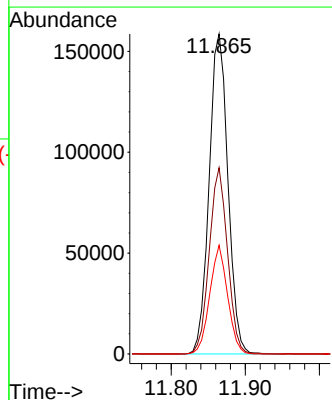
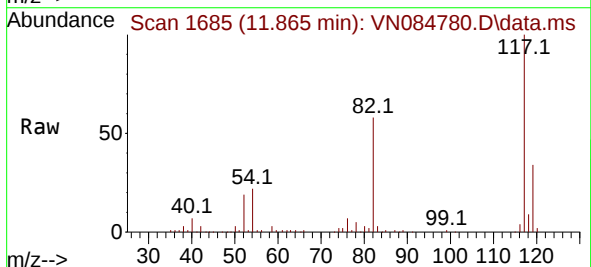
Instrument :
MSVOA_N
ClientSampleId :
BP-F21

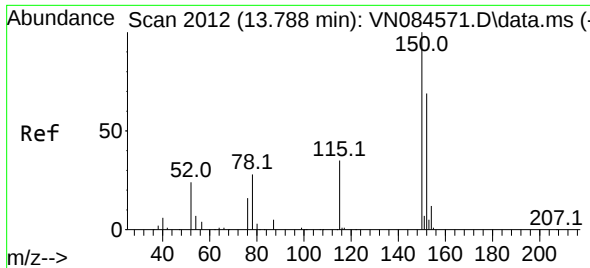
Tgt Ion: 95 Resp: 134822
Ion Ratio Lower Upper
95 100
174 76.4 0.0 145.2
176 74.6 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion: 117 Resp: 279301
Ion Ratio Lower Upper
117 100
82 58.2 47.2 70.8
119 34.0 25.4 38.0

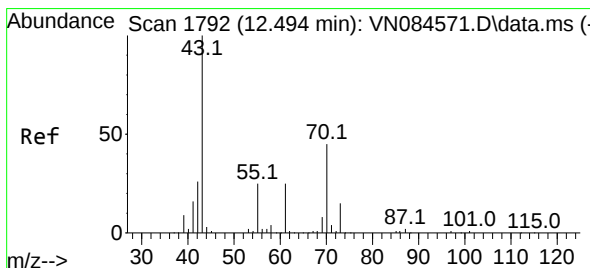
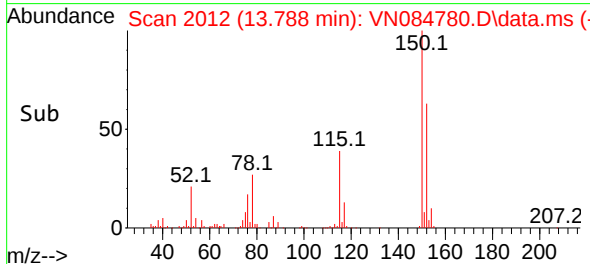
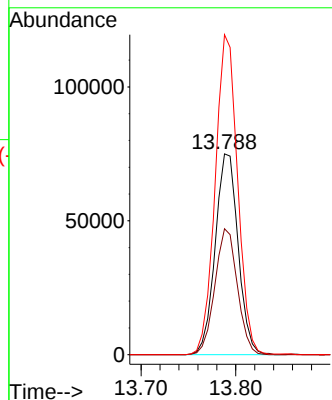
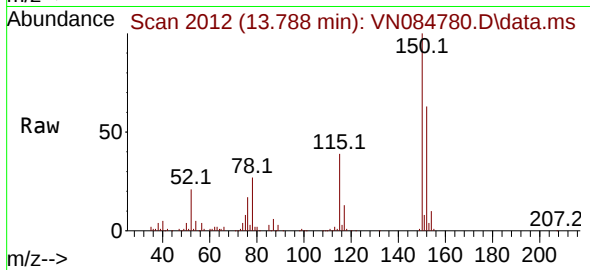




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN084780.D
 Acq: 11 Nov 2024 18:30

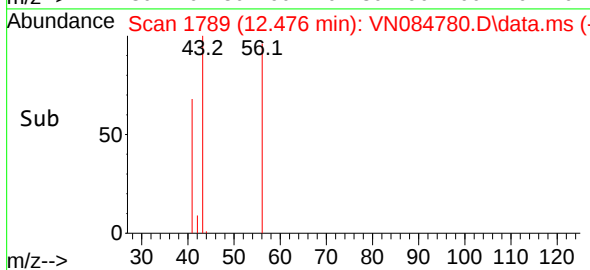
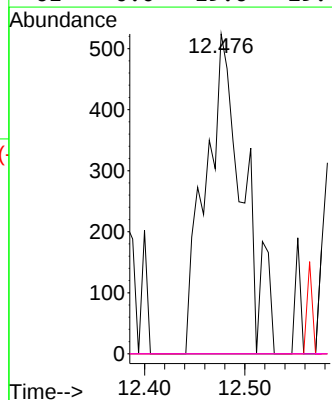
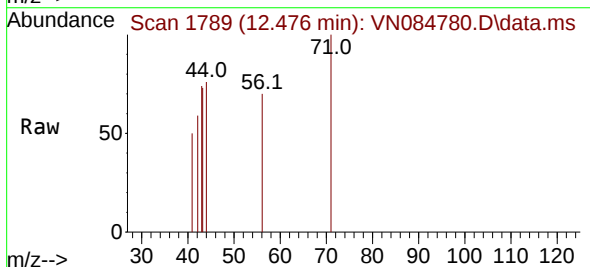
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-F21

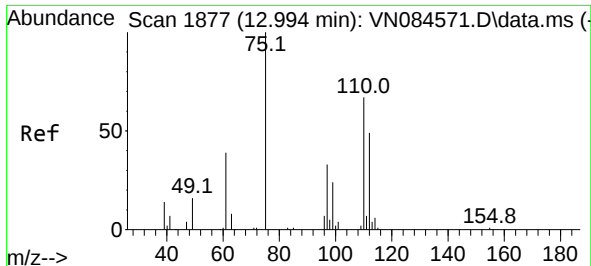
Tgt Ion:152 Resp: 126203
 Ion Ratio Lower Upper
 152 100
 115 61.6 31.3 93.9
 150 155.7 0.0 349.8



#74
 N-ethyl acetate
 Concen: 0.363 ug/l
 RT: 12.476 min Scan# 1789
 Delta R.T. -0.018 min
 Lab File: VN084780.D
 Acq: 11 Nov 2024 18:30

Tgt Ion: 43 Resp: 1365
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.4 51.6#
 55 0.0 19.6 29.4#
 61 0.0 19.6 29.4#

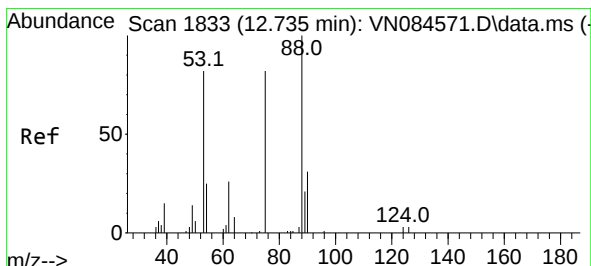
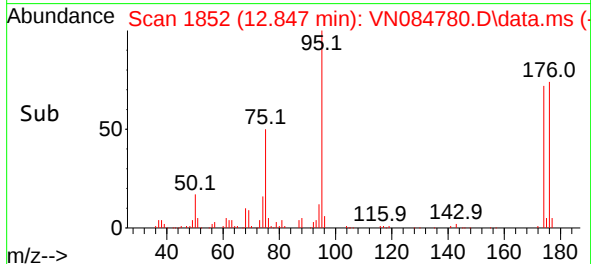
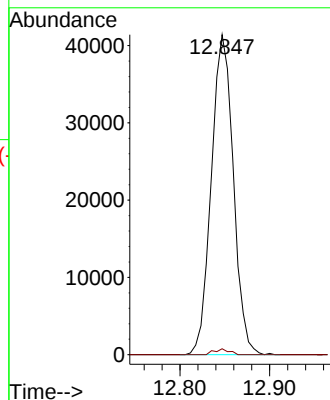
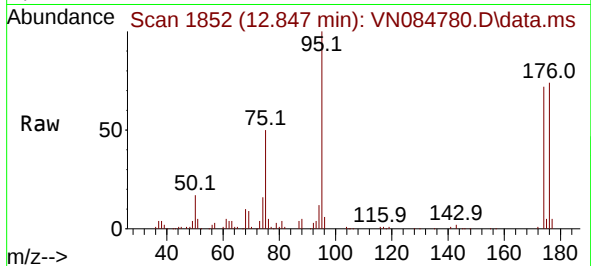




#76
1,2,3-Trichloropropane
Concen: 27.977 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

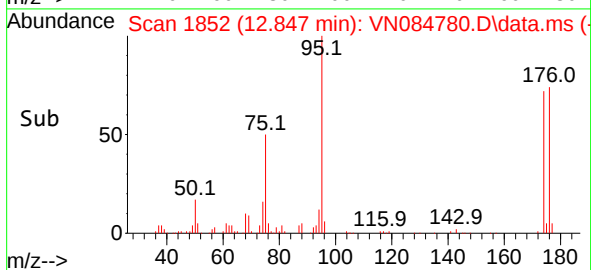
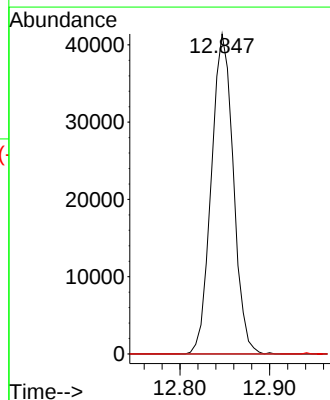
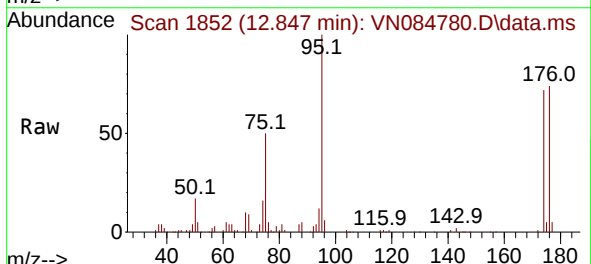
Instrument :
MSVOA_N
ClientSampleId :
BP-F21

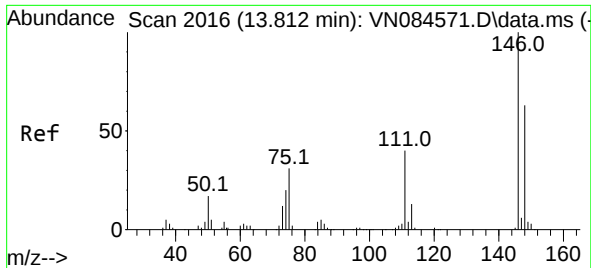
Tgt Ion: 75 Resp: 70579
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.373 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084780.D
Acq: 11 Nov 2024 18:30

Tgt Ion: 75 Resp: 70579
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: 13.812 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN084780.D

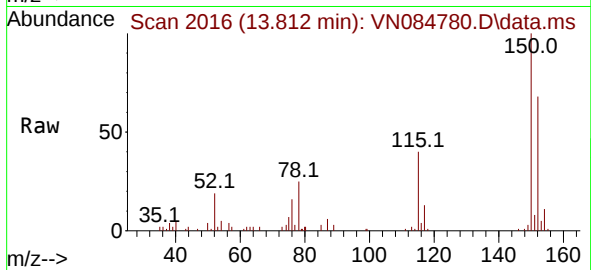
Acq: 11 Nov 2024 18:30

Instrument :

MSVOA_N

ClientSampleId :

BP-F21



Tgt Ion:	146	Resp:	113
Ion	Ratio	Lower	Upper
146	100		
111	1750.4	21.2	63.6#
148	108.8	31.9	95.9#

