

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084588.D
 Acq On : 31 Oct 2024 00:09
 Operator : JC\MD
 Sample : P4594-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-F15

Quant Time: Nov 01 04:59:18 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	187028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	335713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133838	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134687	49.860	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.720%
35) Dibromofluoromethane	8.159	113	108315	47.666	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.340%
50) Toluene-d8	10.565	98	401021	47.908	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.820%
62) 4-Bromofluorobenzene	12.847	95	143974	46.022	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.040%

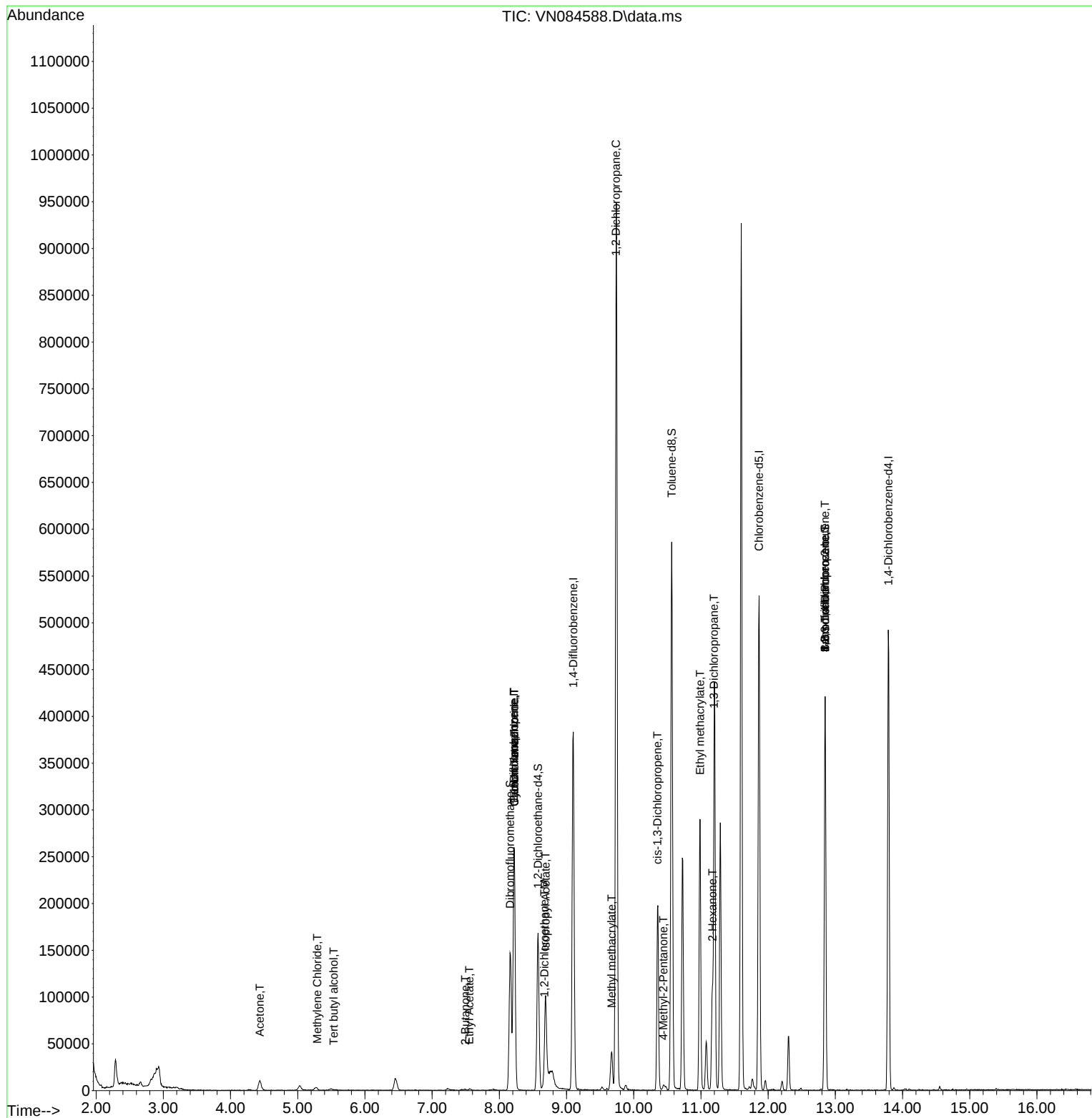
Target Compounds				Qvalue		
3) Chloromethane	2.365	50	1603	Below Cal	#	41
6) Chloroethane	3.154	64	499	Below Cal	#	45
11) Tert butyl alcohol	5.536	59	137	0.384	ug/l #	73
16) Acetone	4.436	43	20396	23.555	ug/l	99
18) Methyl Acetate	5.030	43	10283	Below Cal		95
20) Methylene Chloride	5.289	84	2325	0.979	ug/l #	65
25) 2-Butanone	7.494	43	1833	1.454	ug/l #	48
31) Cyclohexane	8.224	56	4368	1.171	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15496	4.917	ug/l #	49
37) Ethyl Acetate	7.553	43	2699	0.944	ug/l #	69
38) Carbon Tetrachloride	8.224	117	19825	5.628	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	702	0.214	ug/l #	75
43) Isopropyl Acetate	8.688	43	122591	22.680	ug/l #	87
45) 1,2-Dichloropropane	9.735	63	1177	0.496	ug/l #	44
48) Methyl methacrylate	9.671	41	3017	1.356	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	3855	1.414	ug/l	99
54) cis-1,3-Dichloropropene	10.353	75	36670	9.478	ug/l #	62
56) Ethyl methacrylate	10.988	69	1615	0.501	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	4648	1.215	ug/l #	42
59) 2-Hexanone	11.171	43	89423	45.071	ug/l #	24
71) Bromoform	12.847	173	870	0.493	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	74829	27.970	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74829	66.355	ug/l #	11
88) 1,4-Dichlorobenzene	13.741	146	351	Below Cal		96

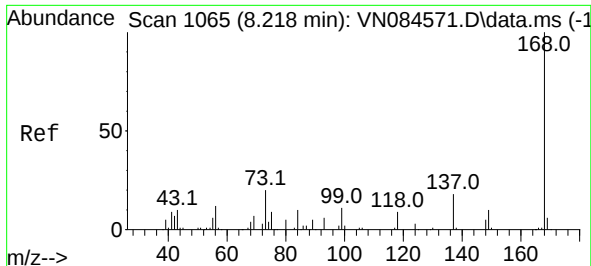
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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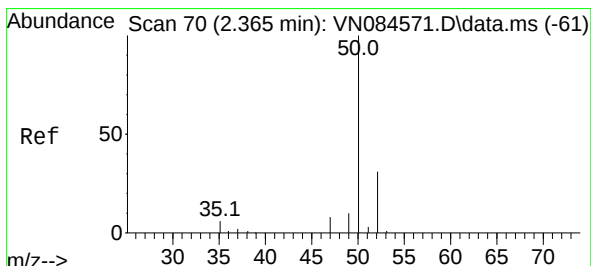
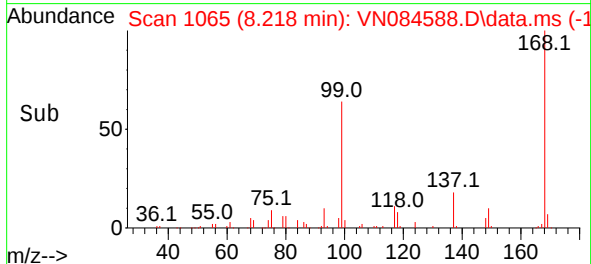
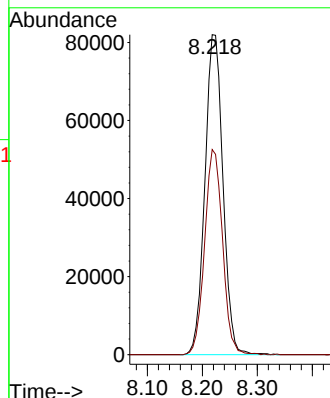
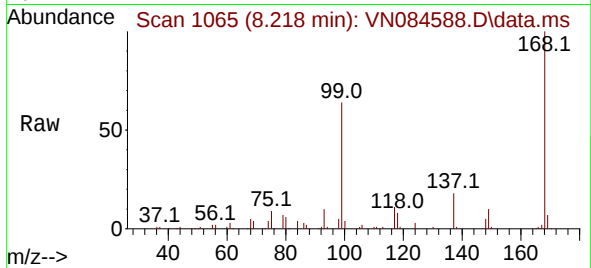




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

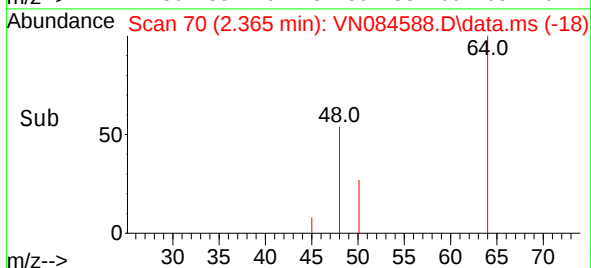
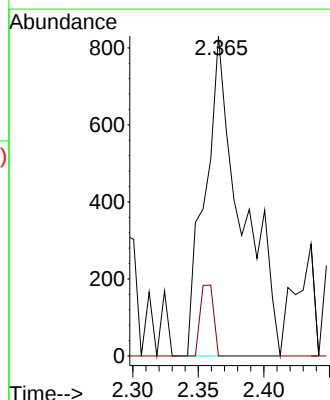
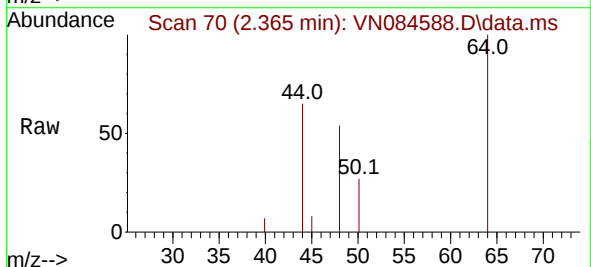
Instrument :
MSVOA_N
ClientSampleId :
BP-F15

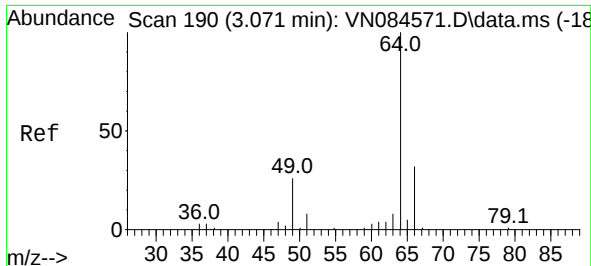
Tgt Ion:168 Resp: 187028
Ion Ratio Lower Upper
168 100
99 64.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Tgt Ion: 50 Resp: 1603
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

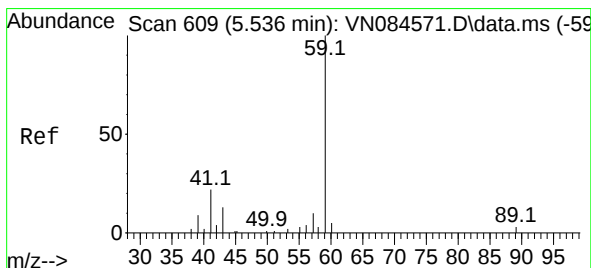
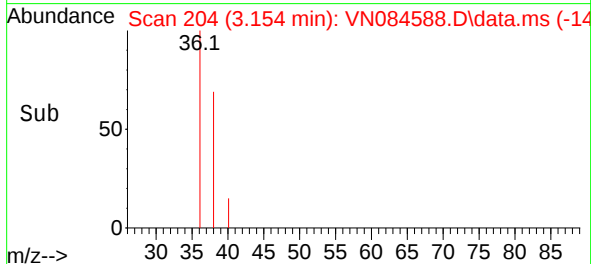
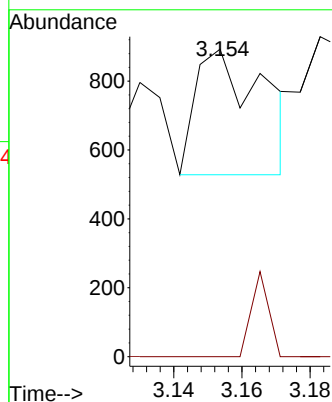
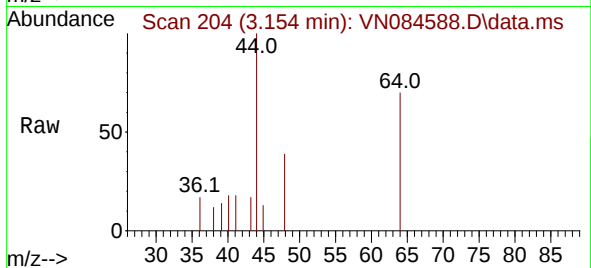




#6
Chloroethane
Concen: Below Cal
RT: 3.154 min Scan# 204
Delta R.T. 0.036 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

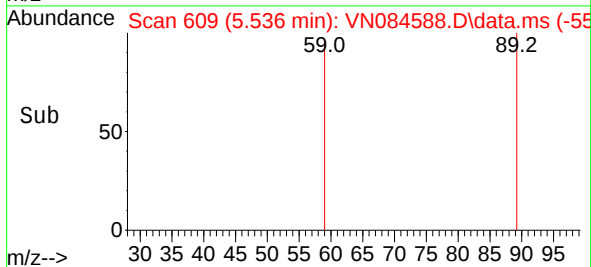
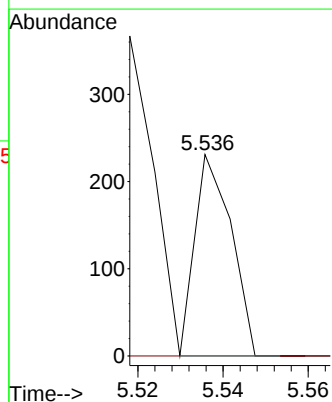
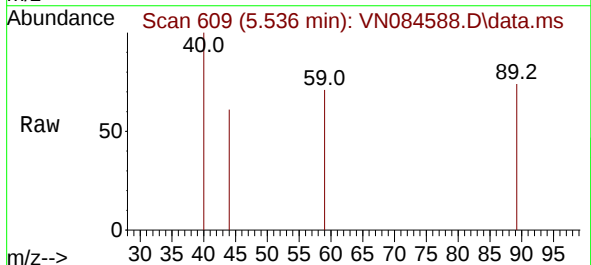
Instrument :
MSVOA_N
ClientSampleId :
BP-F15

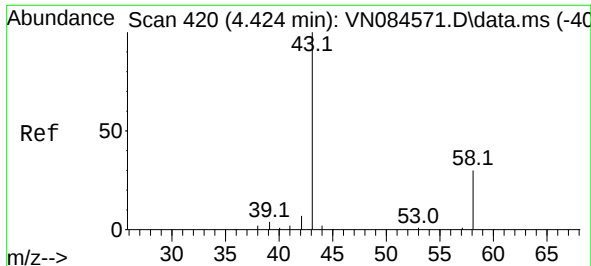
Tgt Ion: 64 Resp: 499
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.384 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Tgt Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

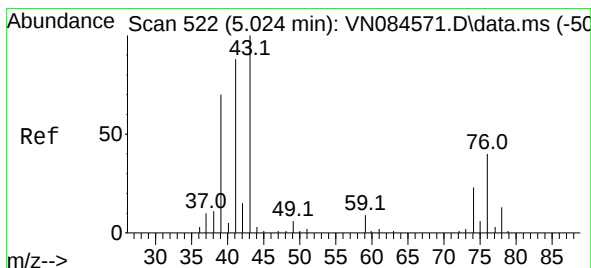
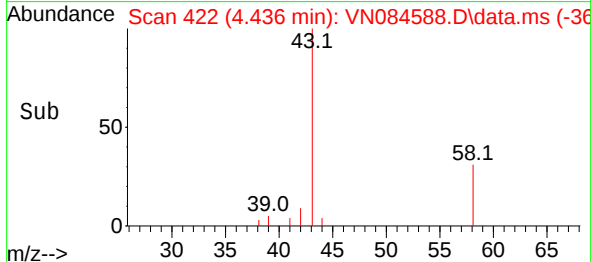
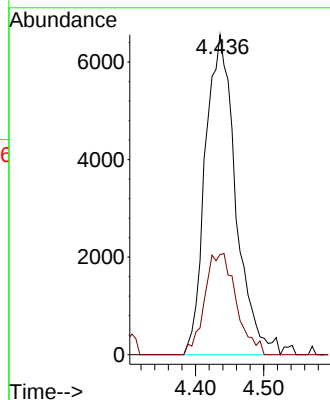
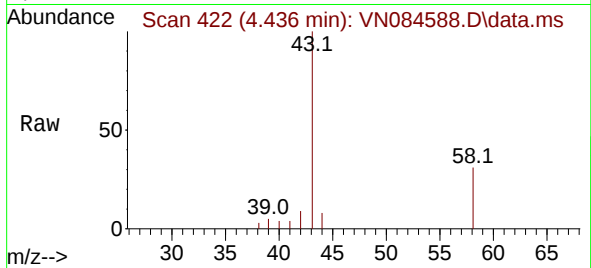




#16
Acetone
Concen: 23.555 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

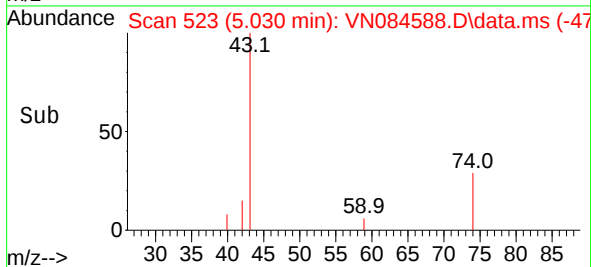
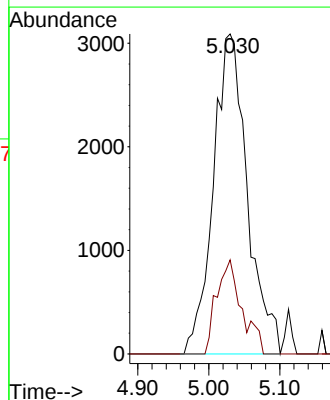
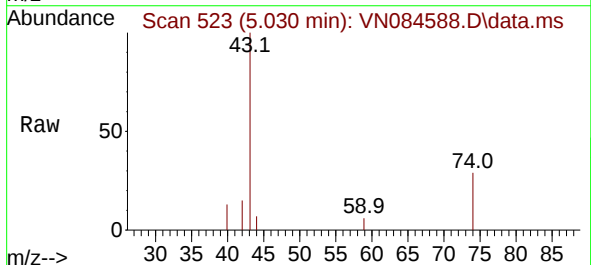
Instrument :
MSVOA_N
ClientSampleId :
BP-F15

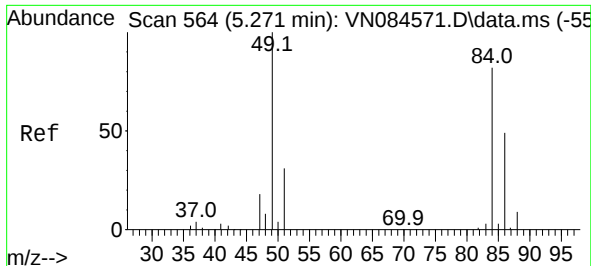
Tgt Ion: 43 Resp: 20396
Ion Ratio Lower Upper
43 100
58 31.3 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Tgt Ion: 43 Resp: 10283
Ion Ratio Lower Upper
43 100
74 21.7 19.2 28.8





#20

Methylene Chloride

Concen: 0.979 ug/l

RT: 5.289 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN084588.D

Acq: 31 Oct 2024 00:09

Instrument :

MSVOA_N

ClientSampleId :

BP-F15

Tgt Ion: 84 Resp: 2325

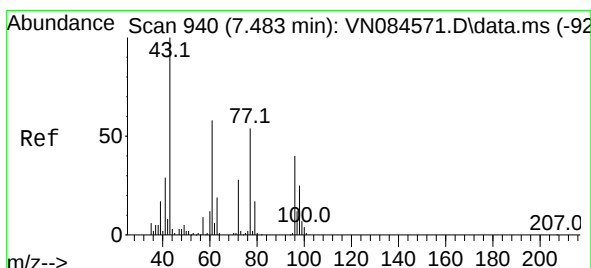
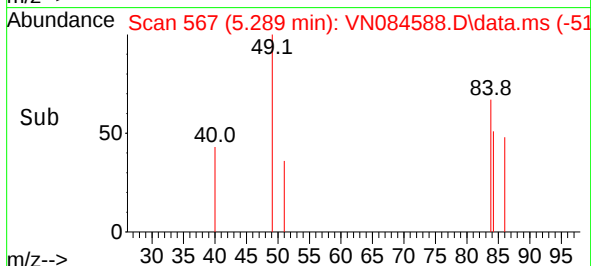
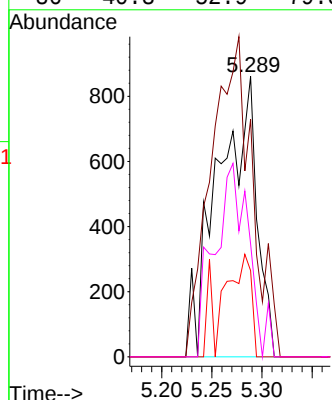
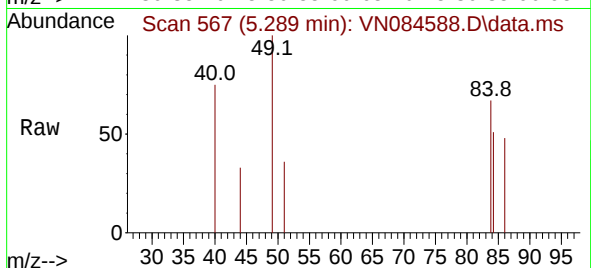
Ion Ratio Lower Upper

84 100

49 84.7 107.2 160.8#

51 30.8 31.8 47.8#

86 40.3 52.9 79.3#



#25

2-Butanone

Concen: 1.454 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN084588.D

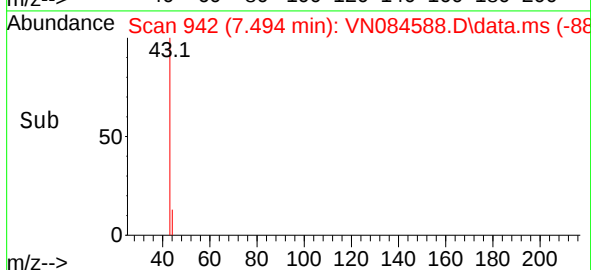
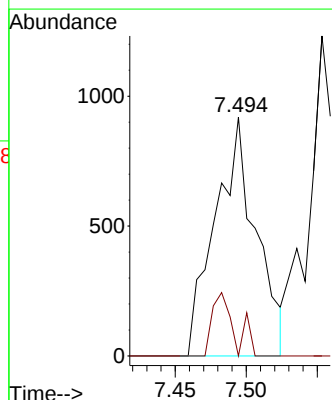
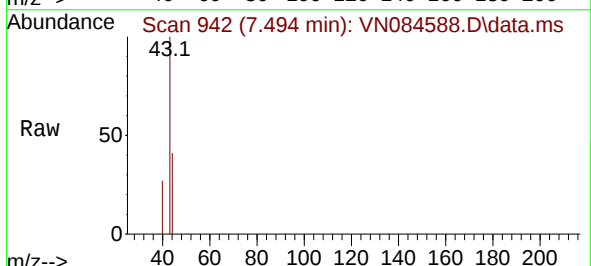
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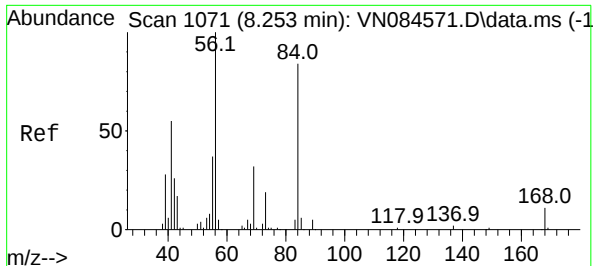
Tgt Ion: 43 Resp: 1833

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#

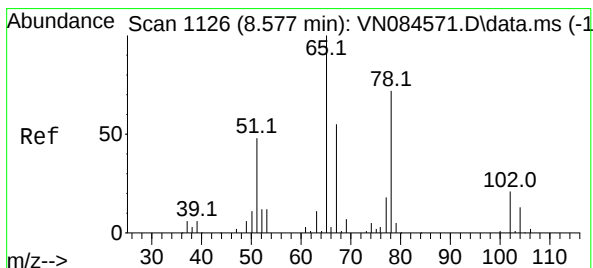
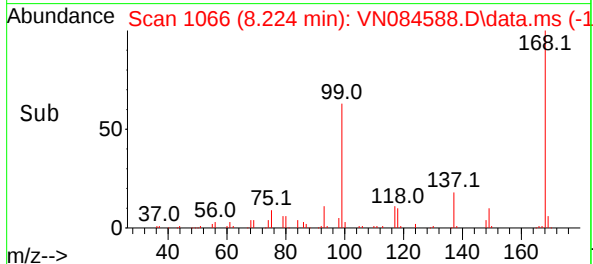
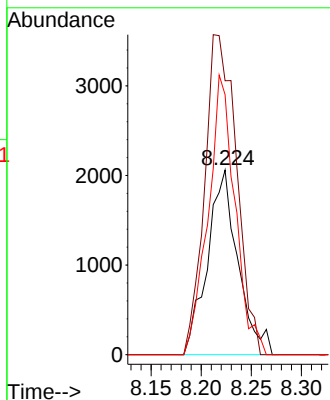
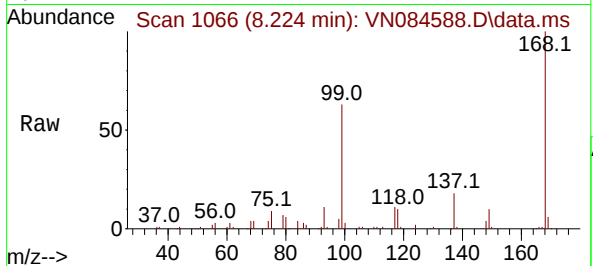




#31
Cyclohexane
Concen: 1.171 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

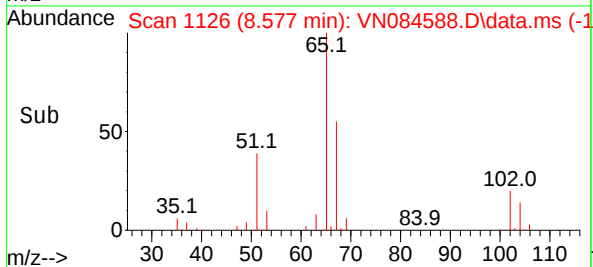
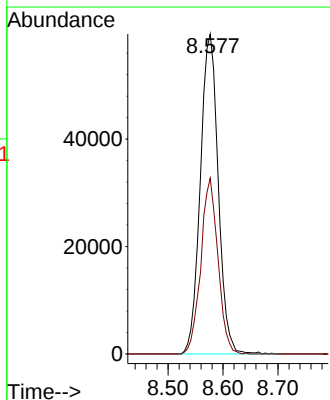
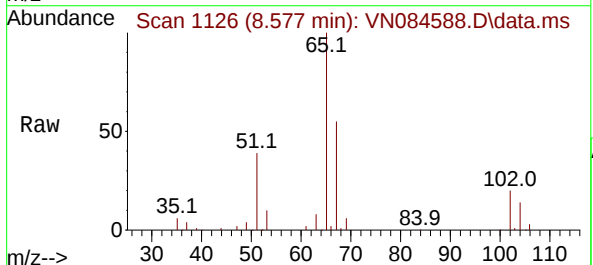
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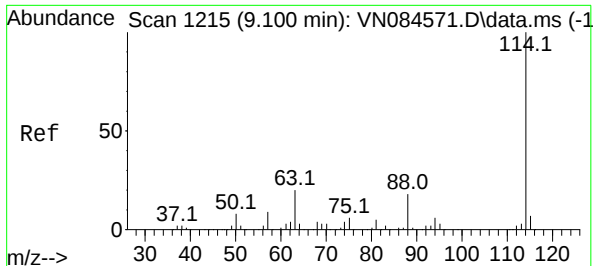
Tgt Ion: 56 Resp: 4368
Ion Ratio Lower Upper
56 100
69 148.3 23.8 35.6#
84 140.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.860 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Tgt Ion: 65 Resp: 134687
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.0

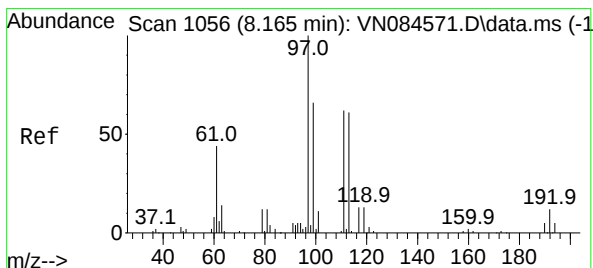
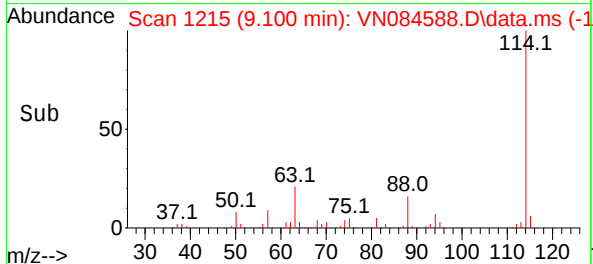
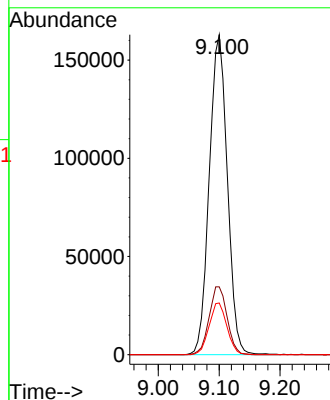
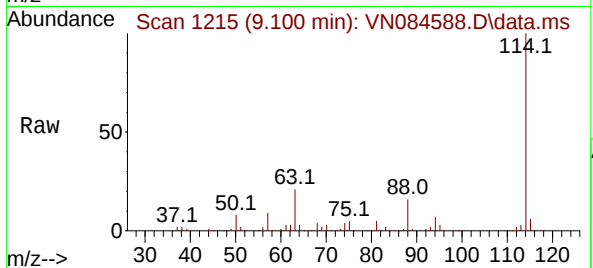




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

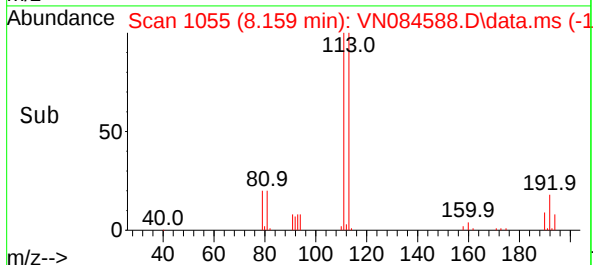
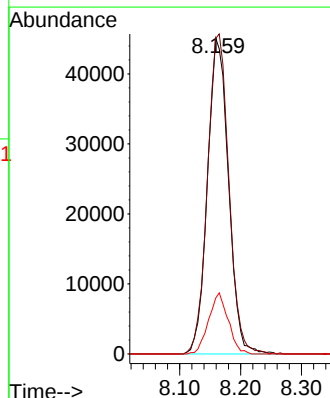
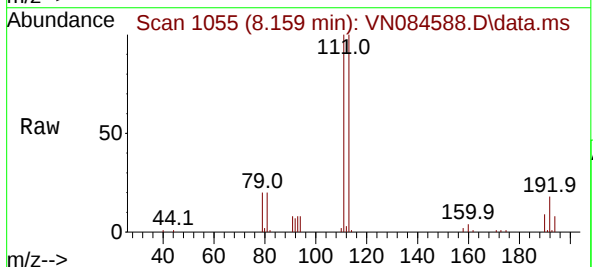
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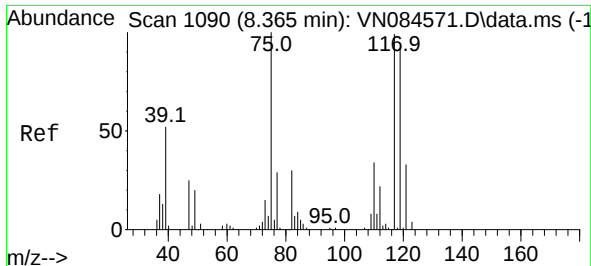
Tgt Ion:114 Resp: 335713
Ion Ratio Lower Upper
114 100
63 21.2 0.0 43.8
88 16.2 0.0 31.6



#35
Dibromofluoromethane
Concen: 47.666 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Tgt Ion:113 Resp: 108315
Ion Ratio Lower Upper
113 100
111 103.0 83.3 124.9
192 18.0 13.5 20.3

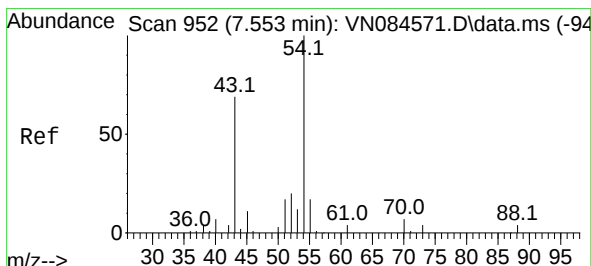
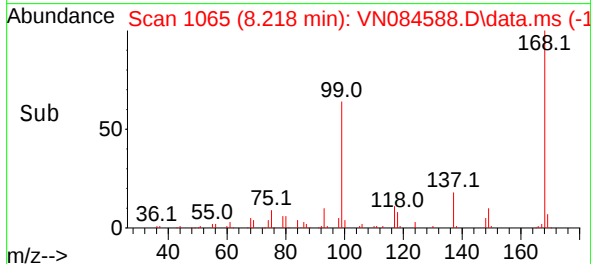
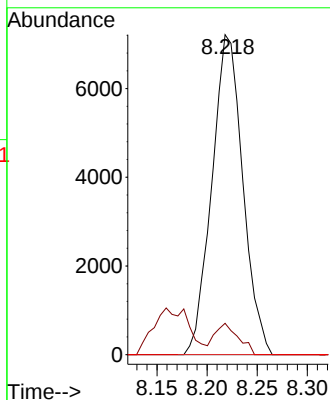
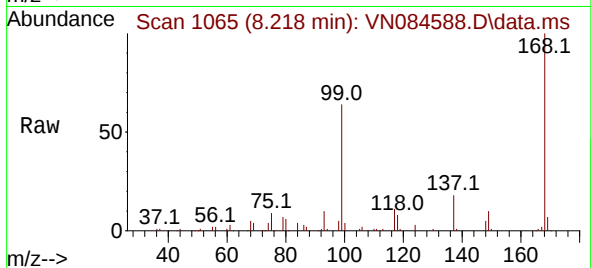




#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

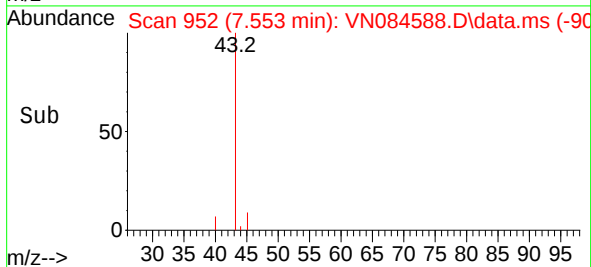
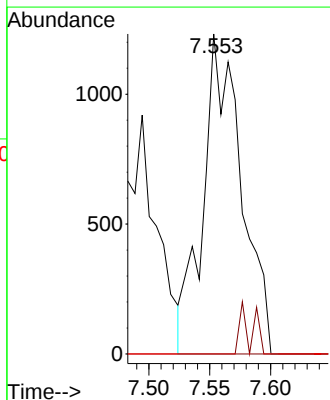
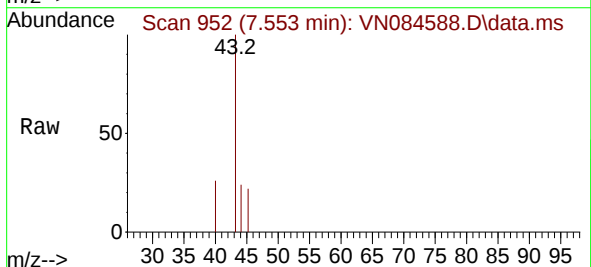
Instrument :
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ClientSampleId :
BP-F15

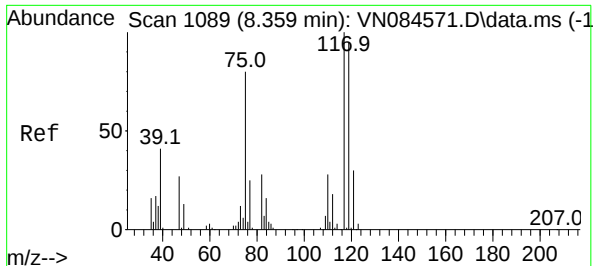
Tgt Ion: 75 Resp: 15496
Ion Ratio Lower Upper
75 100
110 7.4 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.944 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Tgt Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.628 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN084588.D

Acq: 31 Oct 2024 00:09

Instrument :

MSVOA_N

ClientSampleId :

BP-F15

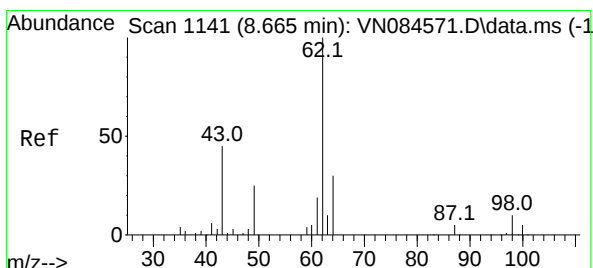
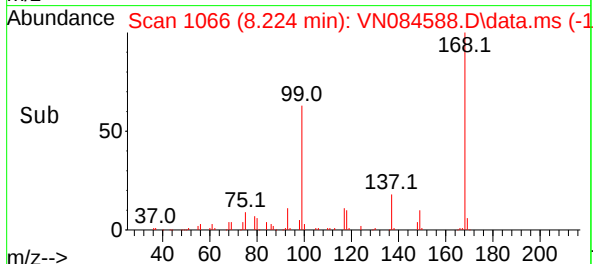
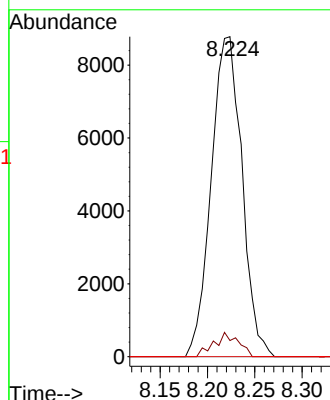
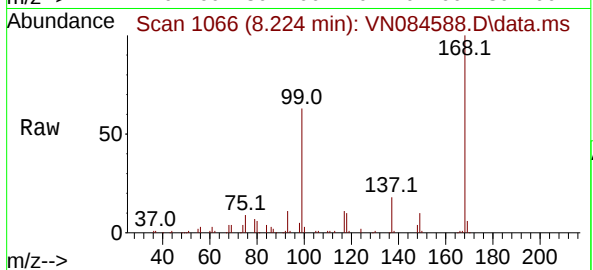
Tgt Ion:117 Resp: 19825

Ion Ratio Lower Upper

117 100

119 5.1 78.7 118.1#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.214 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN084588.D

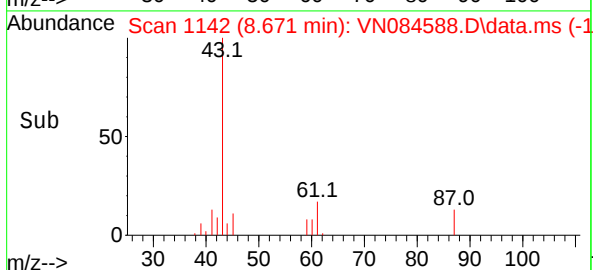
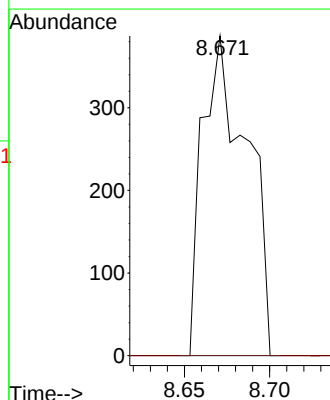
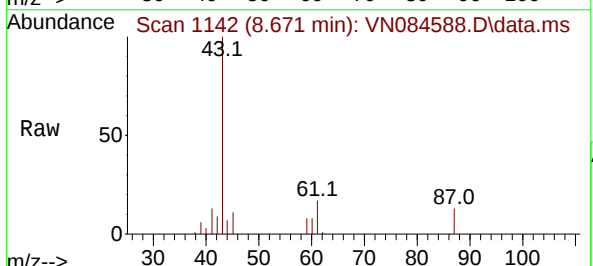
Acq: 31 Oct 2024 00:09

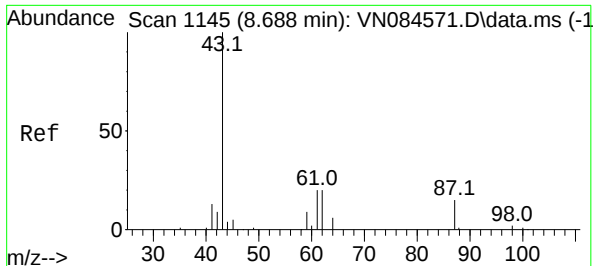
Tgt Ion: 62 Resp: 702

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2

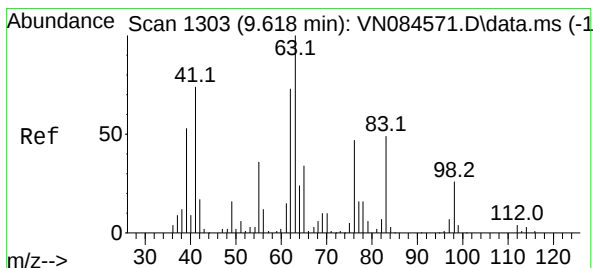
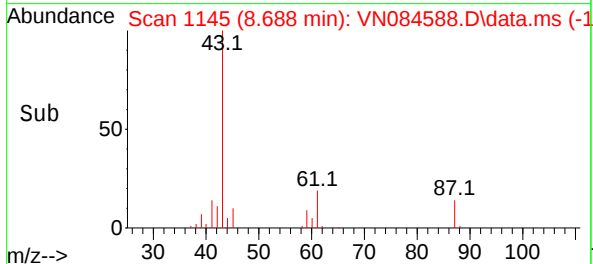
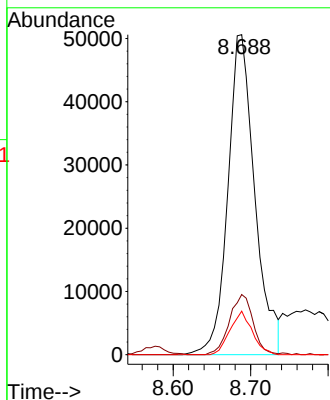
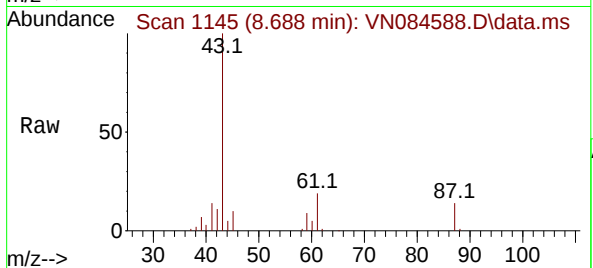




#43
Isopropyl Acetate
Concen: 22.680 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

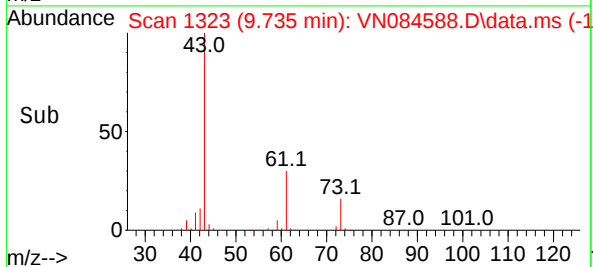
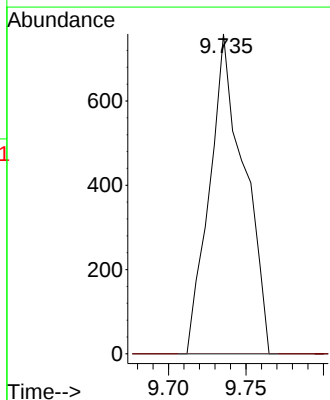
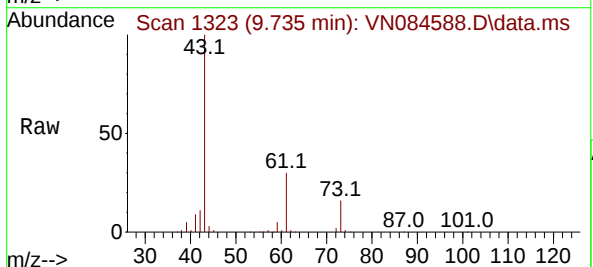
Instrument :
MSVOA_N
ClientSampleId :
BP-F15

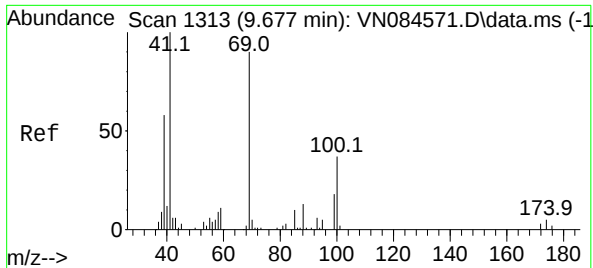
Tgt Ion: 43 Resp: 122591
Ion Ratio Lower Upper
43 100
61 16.7 20.4 30.6#
87 11.2 10.3 15.5



#45
1,2-Dichloropropane
Concen: 0.496 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Tgt Ion: 63 Resp: 1177
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

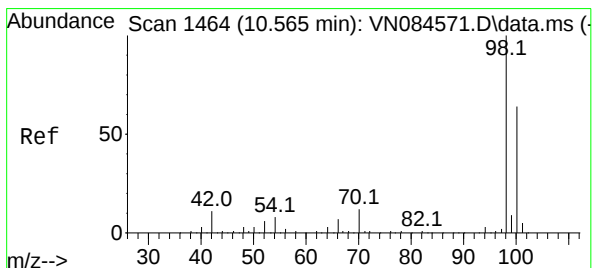
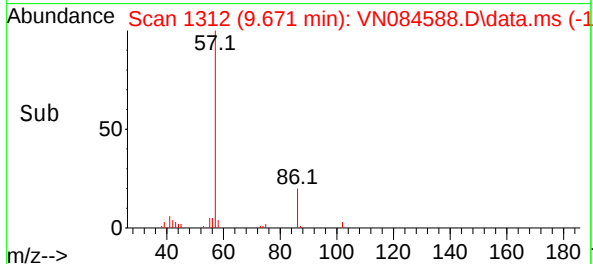
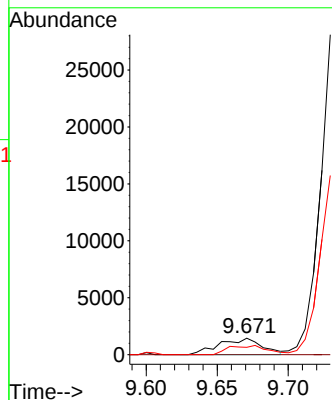
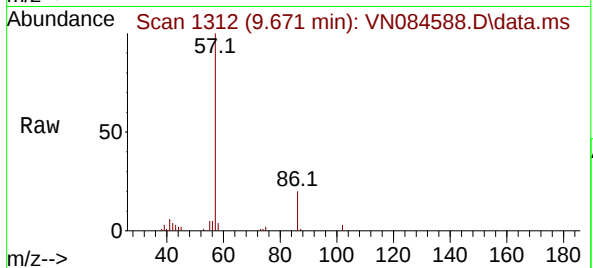




#48
Methyl methacrylate
Concen: 1.356 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

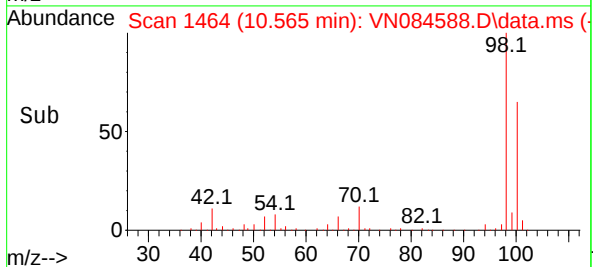
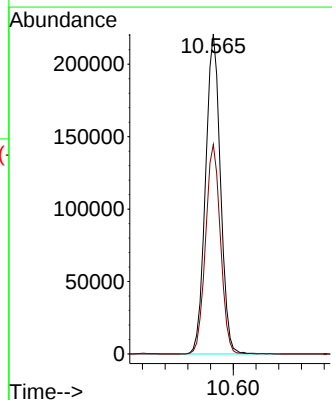
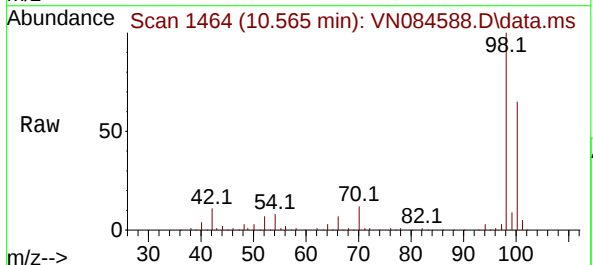
Instrument :
MSVOA_N
ClientSampleId :
BP-F15

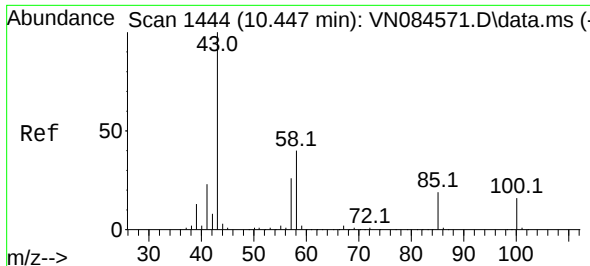
Tgt Ion: 41 Resp: 3017
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 51.5 45.8 68.6



#50
Toluene-d8
Concen: 47.908 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Tgt Ion: 98 Resp: 401021
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 1.414 ug/l

RT: 10.441 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN084588.D

Acq: 31 Oct 2024 00:09

Instrument :

MSVOA_N

ClientSampleId :

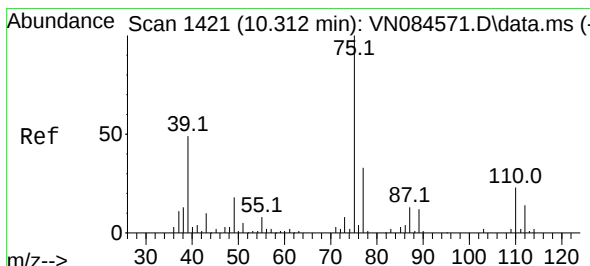
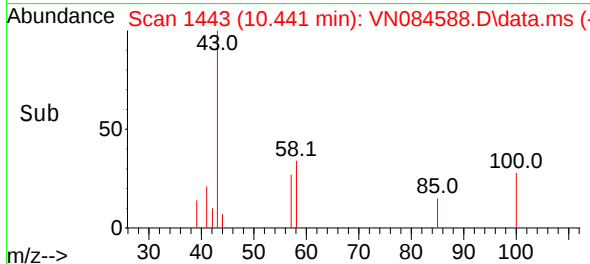
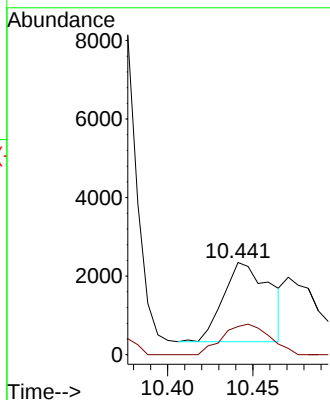
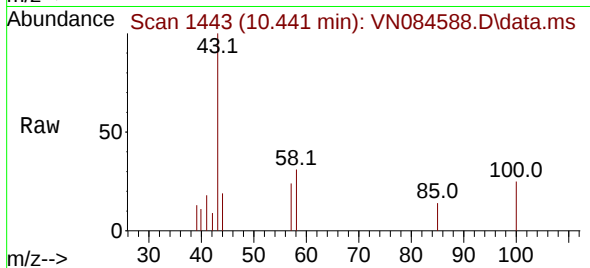
BP-F15

Tgt Ion: 43 Resp: 3855

Ion Ratio Lower Upper

43 100

58 38.8 31.6 47.4



#54

cis-1,3-Dichloropropene

Concen: 9.478 ug/l

RT: 10.353 min Scan# 1428

Delta R.T. 0.041 min

Lab File: VN084588.D

Acq: 31 Oct 2024 00:09

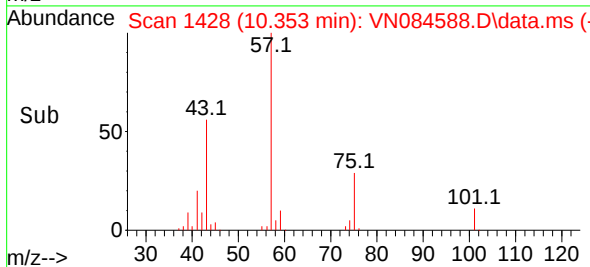
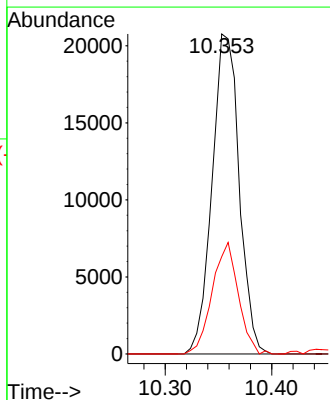
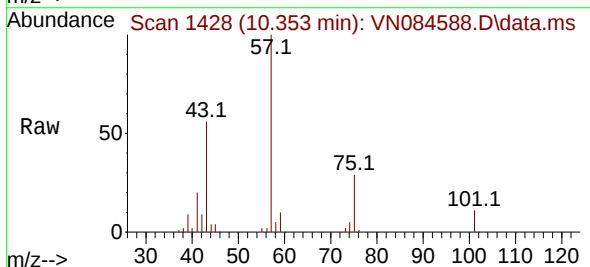
Tgt Ion: 75 Resp: 36670

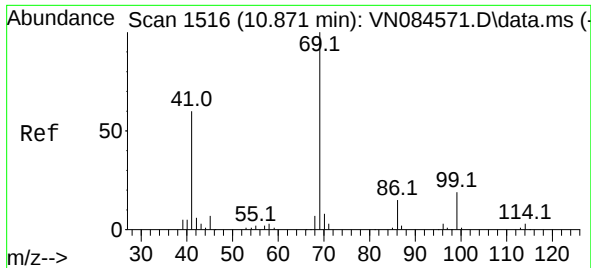
Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

39 30.4 38.7 58.1#

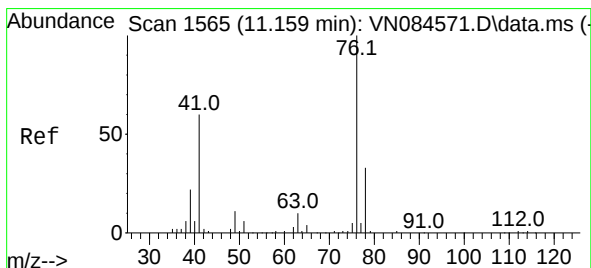
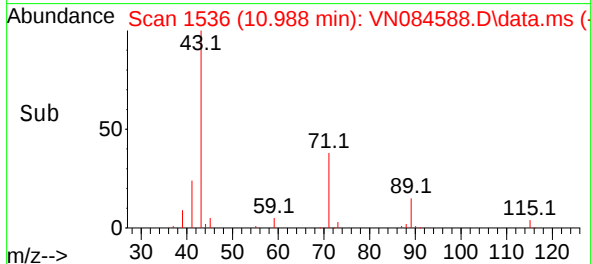
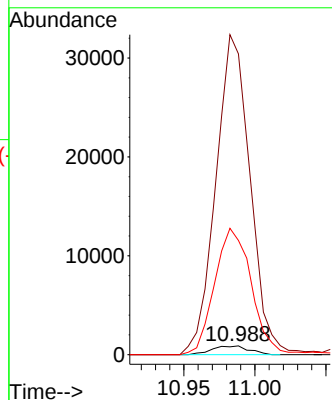
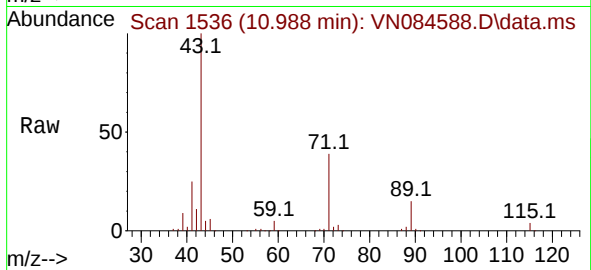




#56
Ethyl methacrylate
Concen: 0.501 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

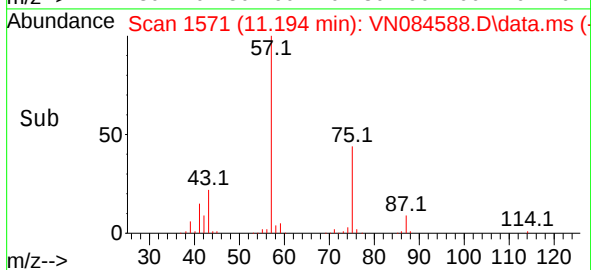
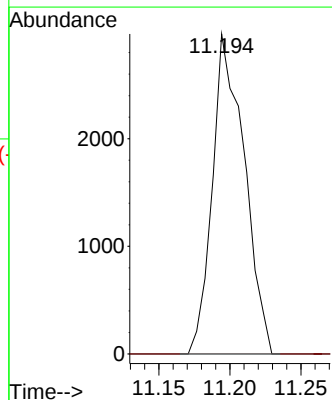
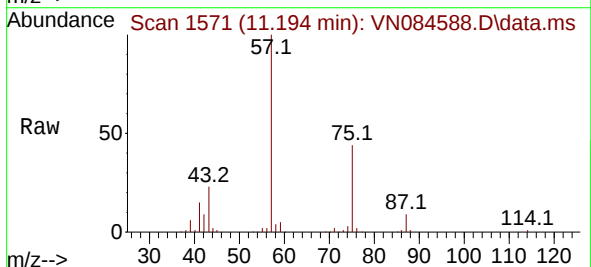
Instrument :
MSVOA_N
ClientSampleId :
BP-F15

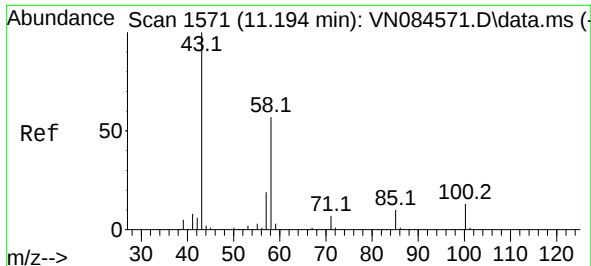
Tgt Ion: 69 Resp: 1615
Ion Ratio Lower Upper
69 100
41 3383.4 53.3 79.9#
39 1435.8 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.215 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Tgt Ion: 76 Resp: 4648
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

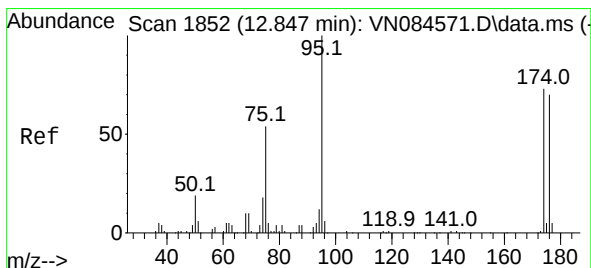
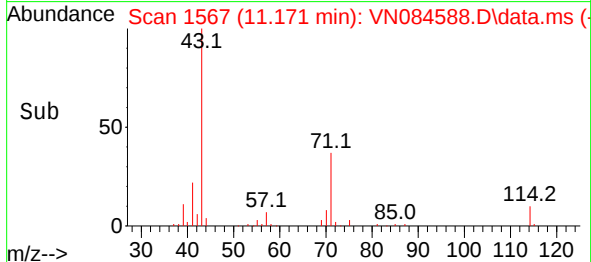
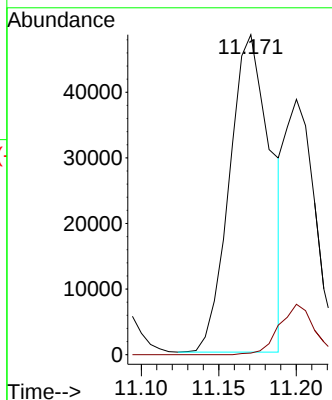
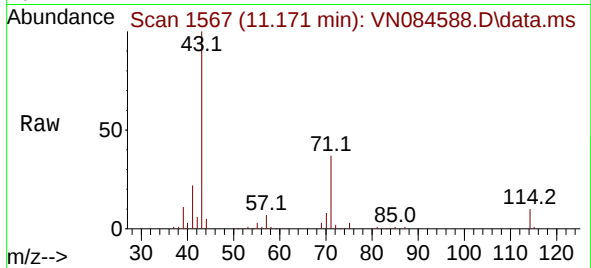




#59
2-Hexanone
Concen: 45.071 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

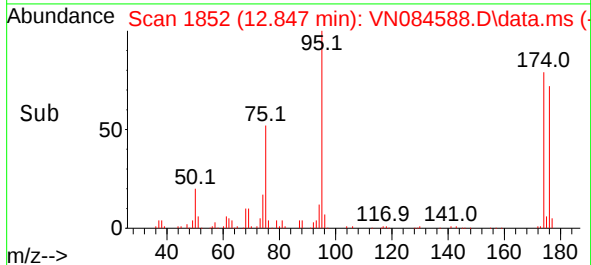
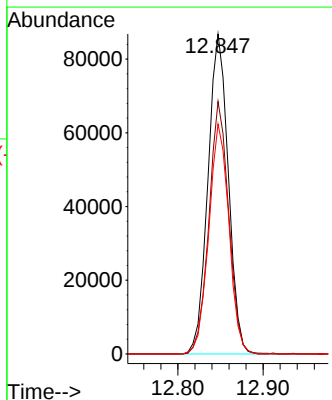
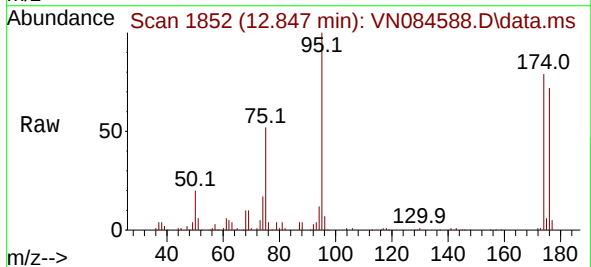
Instrument :
MSVOA_N
ClientSampleId :
BP-F15

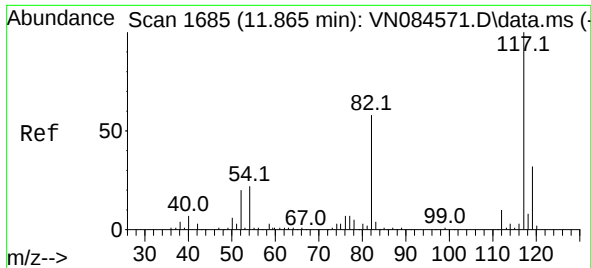
Tgt Ion: 43 Resp: 89423
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 46.022 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Tgt Ion: 95 Resp: 143974
Ion Ratio Lower Upper
95 100
174 76.9 0.0 145.2
176 71.0 0.0 140.0

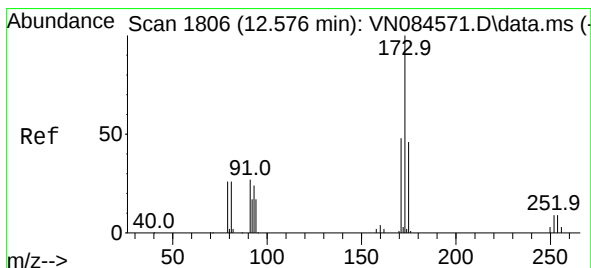
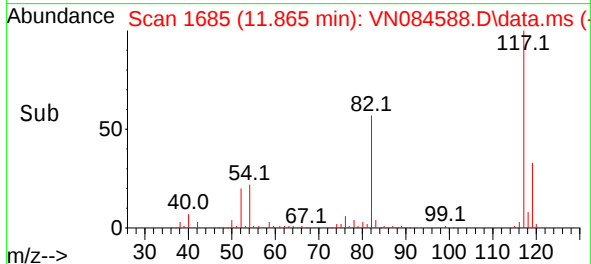
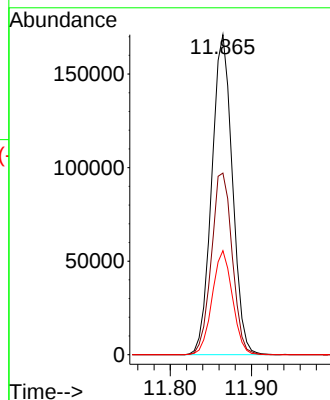
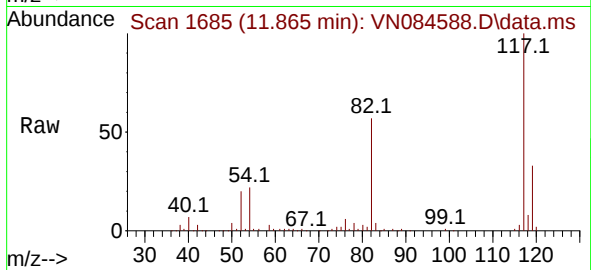




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

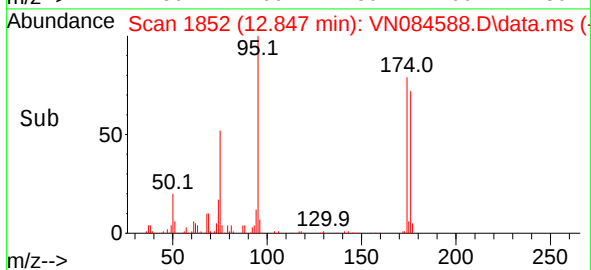
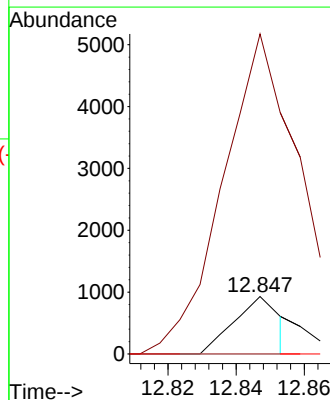
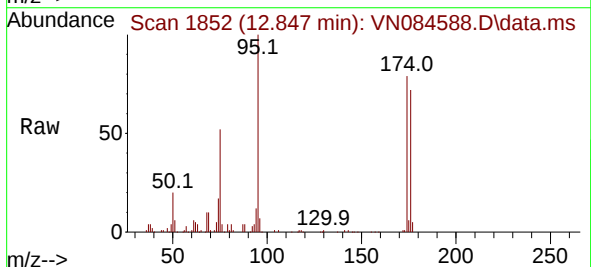
Instrument :
MSVOA_N
ClientSampleId :
BP-F15

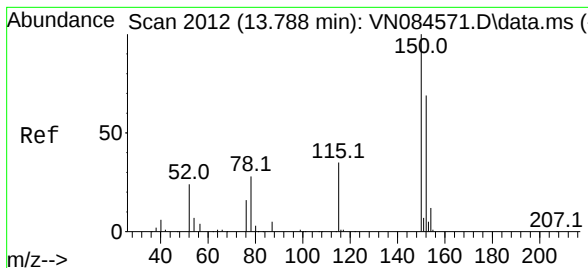
Tgt Ion:117 Resp: 301652
Ion Ratio Lower Upper
117 100
82 56.7 47.2 70.8
119 32.5 25.4 38.0



#71
Bromoform
Concen: 0.493 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Tgt Ion:173 Resp: 870
Ion Ratio Lower Upper
173 100
175 709.2 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: VN084588.D

Acq: 31 Oct 2024 00:09

Instrument :

MSVOA_N

ClientSampleId :

BP-F15

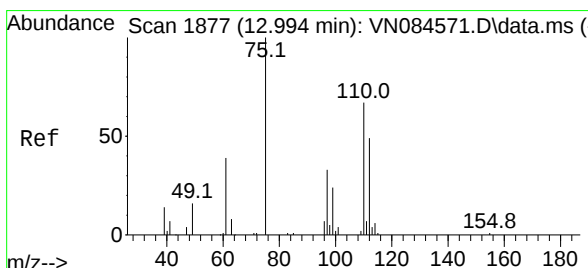
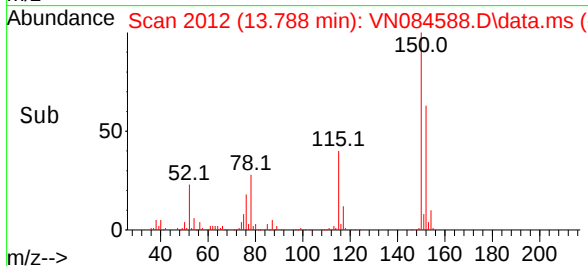
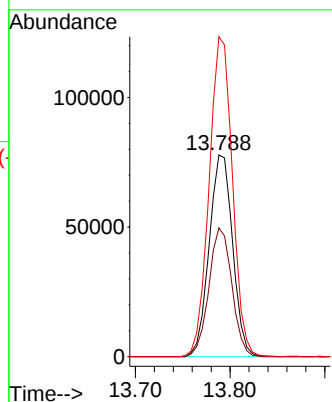
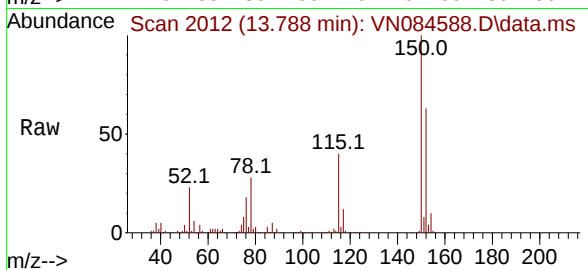
Tgt Ion:152 Resp: 133838

Ion Ratio Lower Upper

152 100

115 62.4 31.3 93.9

150 157.4 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 27.970 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084588.D

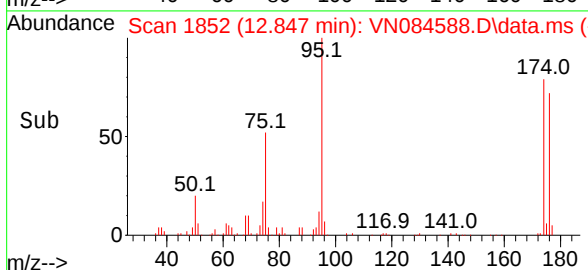
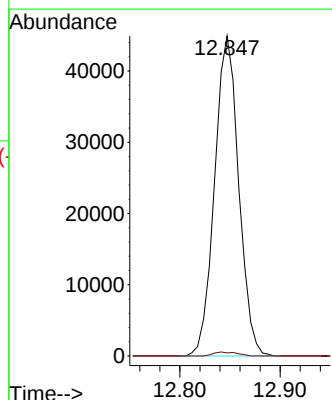
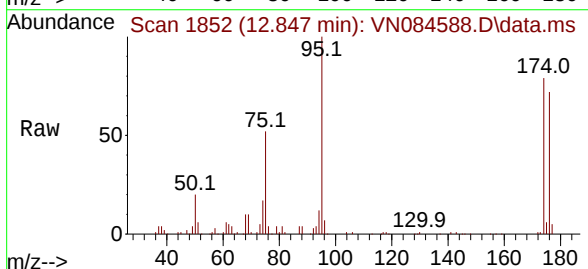
Acq: 31 Oct 2024 00:09

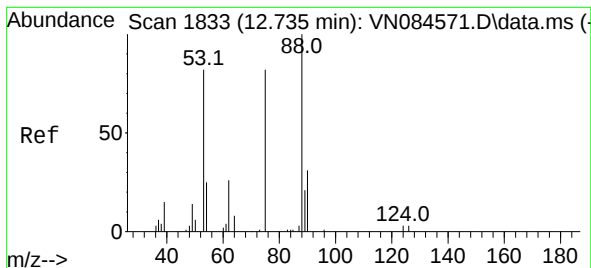
Tgt Ion: 75 Resp: 74829

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#

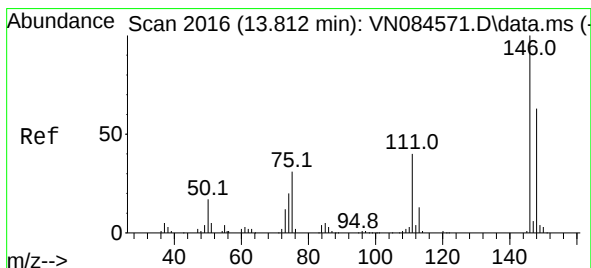
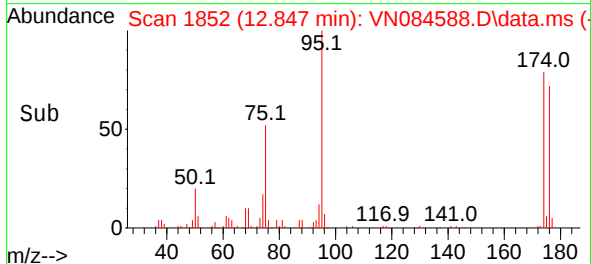
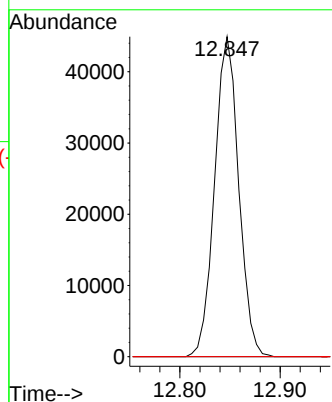
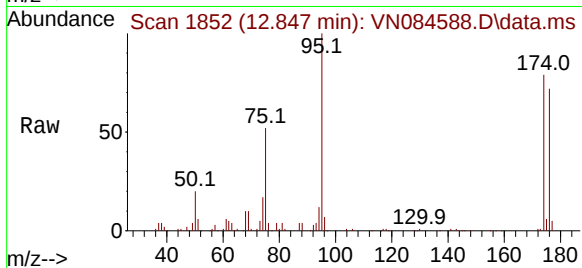




#81
trans-1,4-Dichloro-2-butene
Concen: 66.355 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Instrument :
MSVOA_N
ClientSampleId :
BP-F15

Tgt Ion: 75 Resp: 74829
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: 13.741 min Scan# 2004
Delta R.T. -0.071 min
Lab File: VN084588.D
Acq: 31 Oct 2024 00:09

Tgt Ion:146 Resp: 351
Ion Ratio Lower Upper
146 100
111 42.7 21.2 63.6
148 58.4 31.9 95.9

