

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111824\
 Data File : VN084929.D
 Acq On : 18 Nov 2024 18:52
 Operator : JC\MD
 Sample : P4870-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

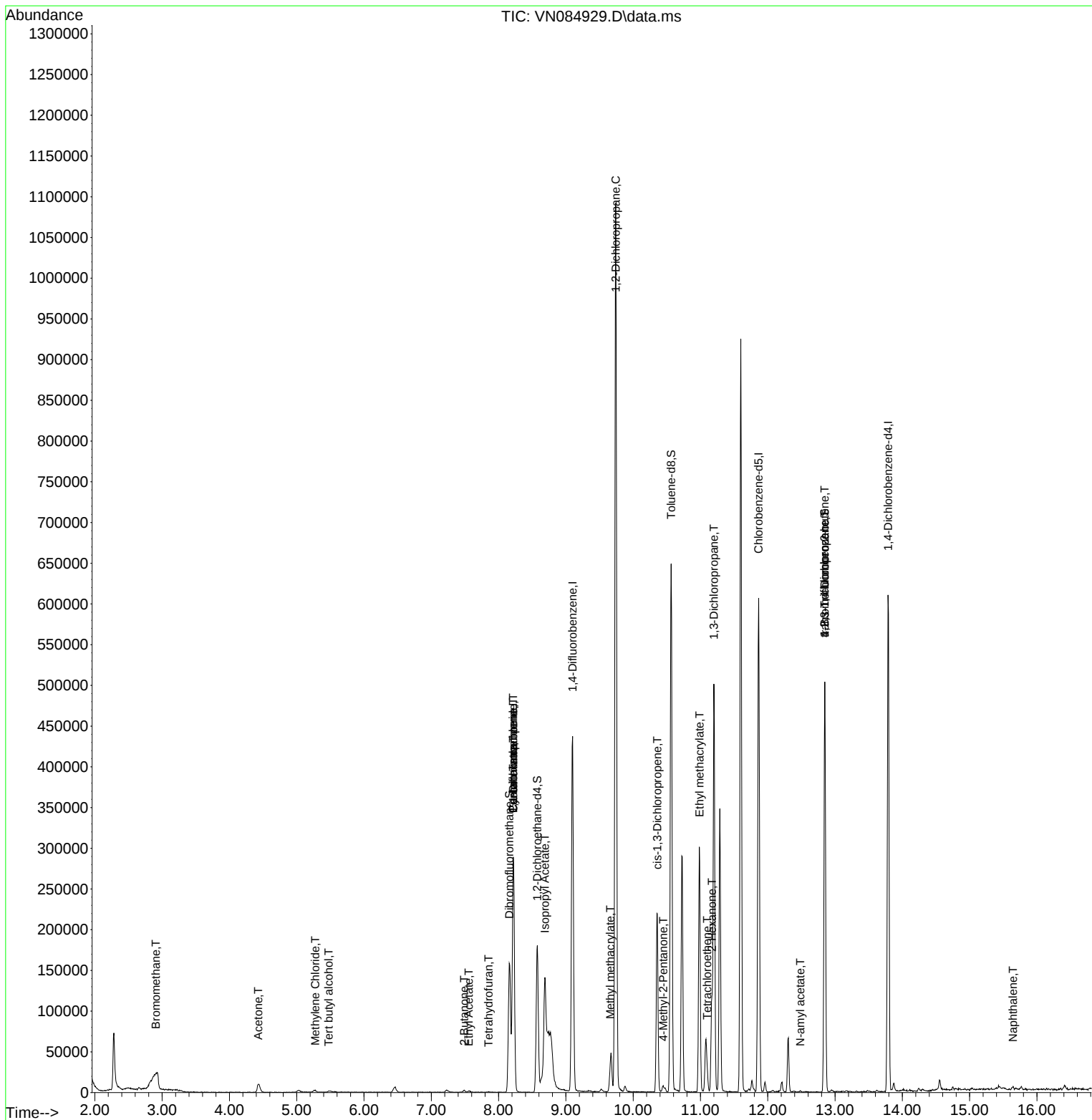
Quant Time: Nov 19 00:33:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

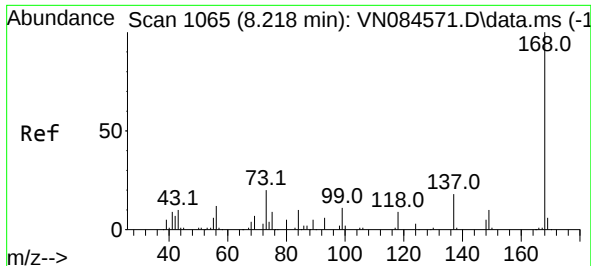
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	207953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	376414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	343818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	161951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148226	49.350	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.700%
35) Dibromofluoromethane	8.159	113	118556	46.531	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.060%
50) Toluene-d8	10.565	98	451669	48.124	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.240%
62) 4-Bromofluorobenzene	12.847	95	180413	51.434	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.860%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	847	Below Cal	#	41
5) Bromomethane	2.906	94	515	0.378	ug/l #	73
6) Chloroethane	3.095	64	106	Below Cal	#	45
11) Tert butyl alcohol	5.477	59	709	1.788	ug/l #	73
16) Acetone	4.430	43	18812	19.047	ug/l	95
18) Methyl Acetate	5.036	43	5199	Below Cal		100
20) Methylene Chloride	5.277	84	1306	0.494	ug/l #	72
25) 2-Butanone	7.488	43	3060	2.184	ug/l	93
29) Tetrahydrofuran	7.853	42	688	0.740	ug/l #	48
31) Cyclohexane	8.218	56	4777	1.152	ug/l #	7
36) 1,1-Dichloropropene	8.218	75	16990	4.808	ug/l #	51
37) Ethyl Acetate	7.559	43	3171	0.989	ug/l #	85
38) Carbon Tetrachloride	8.218	117	22677	5.742	ug/l #	16
43) Isopropyl Acetate	8.688	43	208837	34.969	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1312	0.493	ug/l #	44
48) Methyl methacrylate	9.659	41	3011	1.207	ug/l #	44
51) 4-Methyl-2-Pentanone	10.447	43	8284	2.710	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	41438	9.553	ug/l #	62
56) Ethyl methacrylate	10.988	69	1076	0.298	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5388	1.256	ug/l #	42
59) 2-Hexanone	11.171	43	100489	45.171	ug/l #	24
64) Tetrachloroethene	11.100	164	4265	1.865	ug/l #	79
74) N-amyl acetate	12.482	43	1049	0.217	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	93333	28.830	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	93333	68.397	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	541	Below Cal	#	24
95) Naphthalene	15.647	128	3345	0.357	ug/l #	86

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

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Response via : Initial Calibration

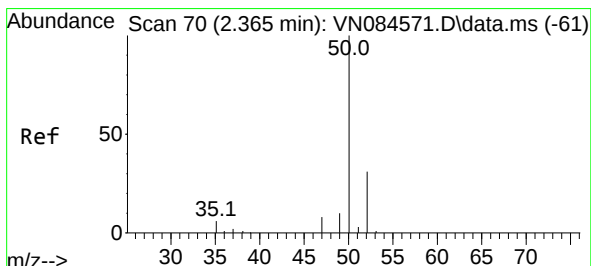
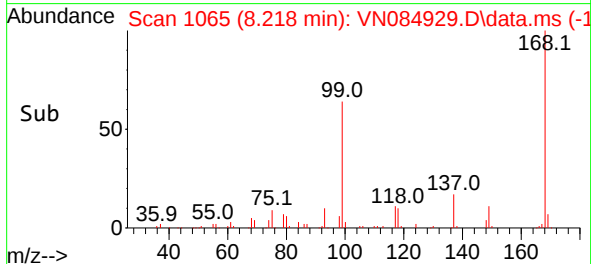
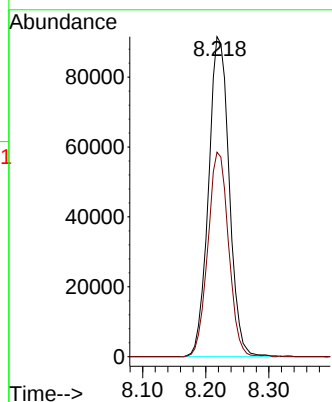
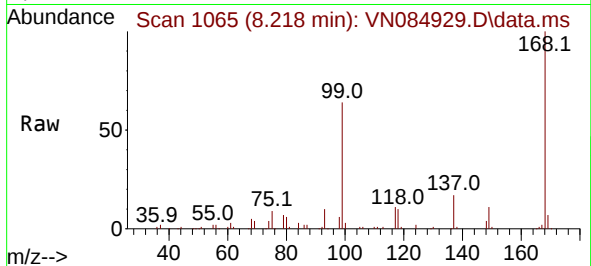




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

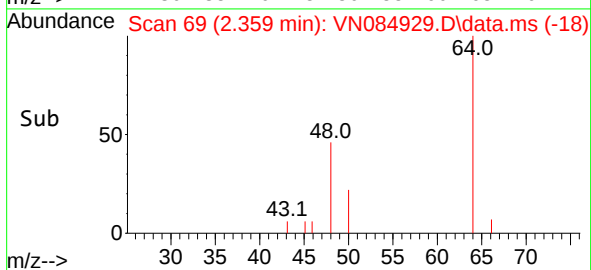
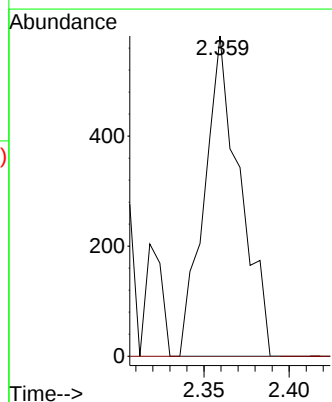
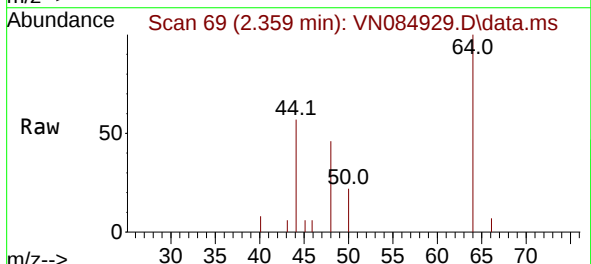
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 207953
Ion Ratio Lower Upper
168 100
99 63.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

Tgt Ion: 50 Resp: 847
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

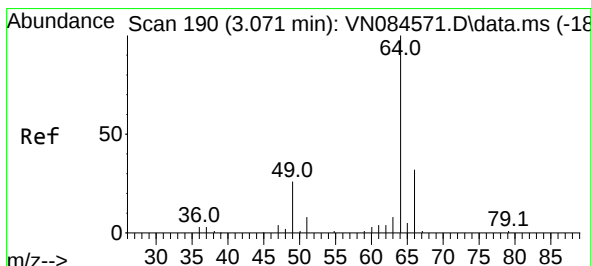
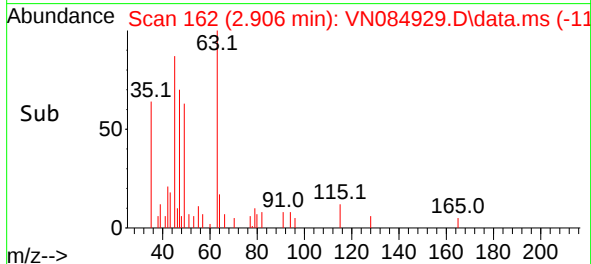
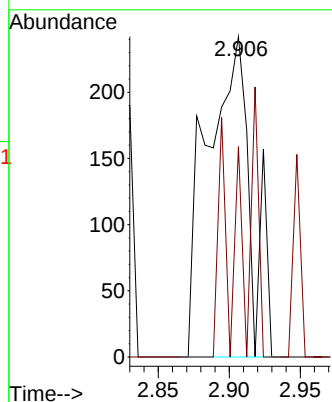
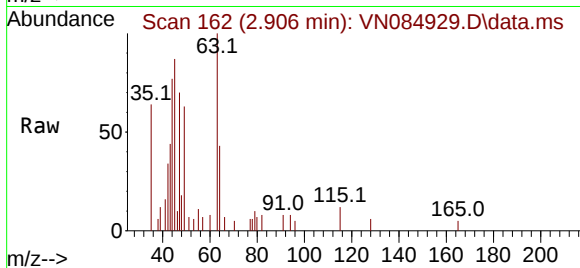




#5
Bromomethane
Concen: 0.378 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

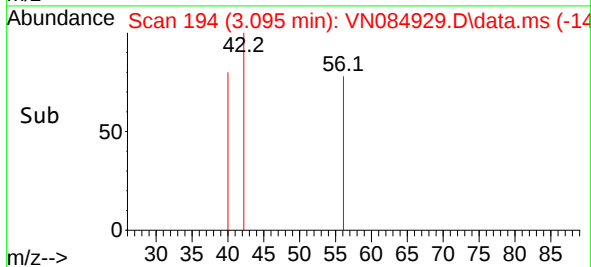
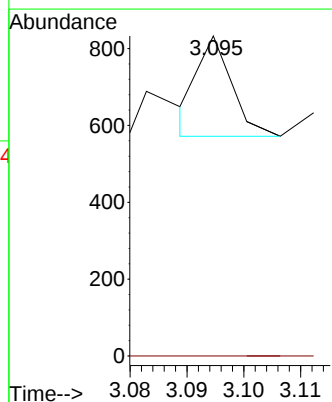
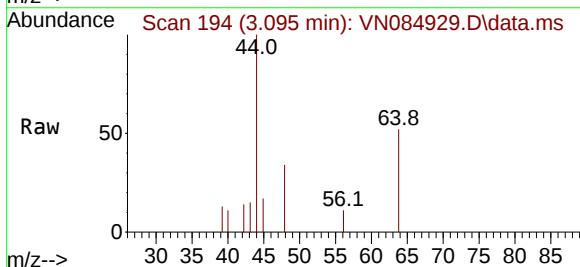
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 515
Ion Ratio Lower Upper
94 100
96 65.7 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 194
Delta R.T. -0.023 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

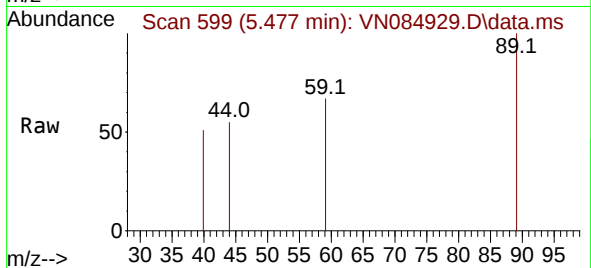
Tgt Ion: 64 Resp: 106
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



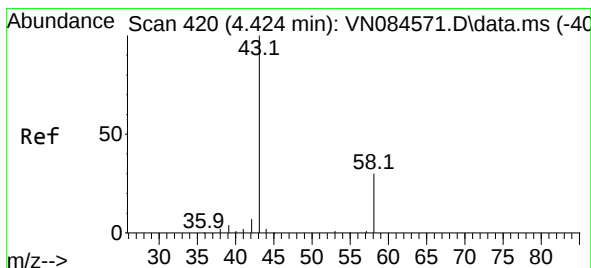
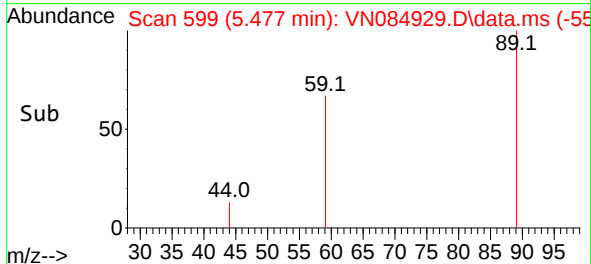
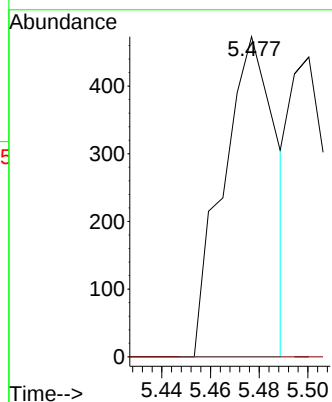


#11
Tert butyl alcohol
Concen: 1.788 ug/l
RT: 5.477 min Scan# 59
Delta R.T. -0.047 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :

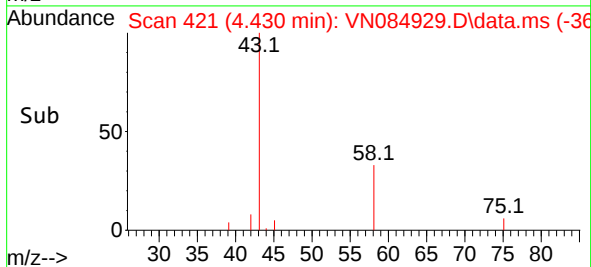
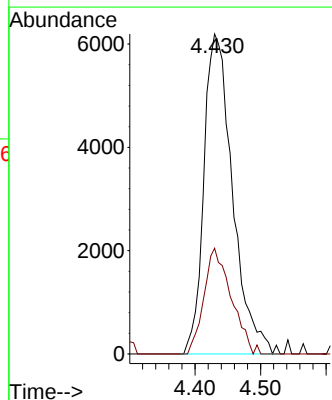
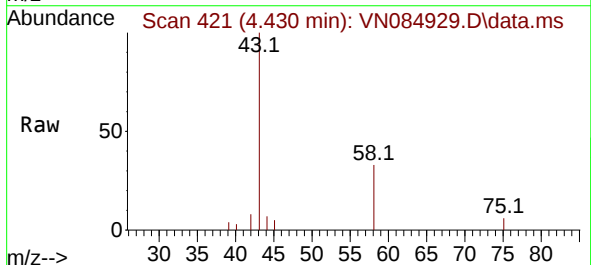


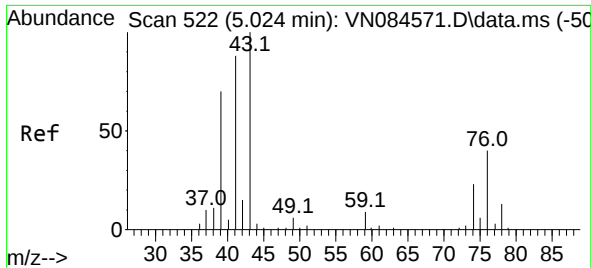
Tgt Ion: 59 Resp: 709
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 19.047 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

Tgt Ion: 43 Resp: 18812
Ion Ratio Lower Upper
43 100
58 33.0 24.4 36.6

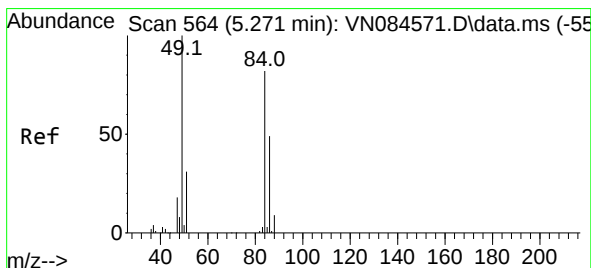
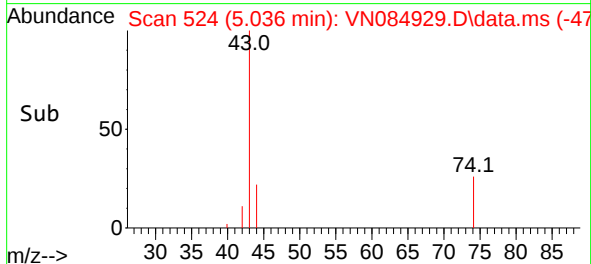
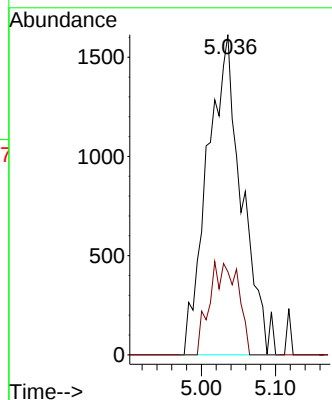
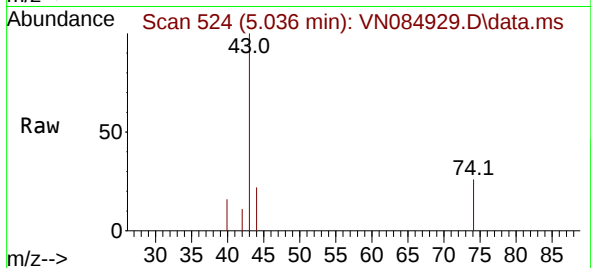




#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

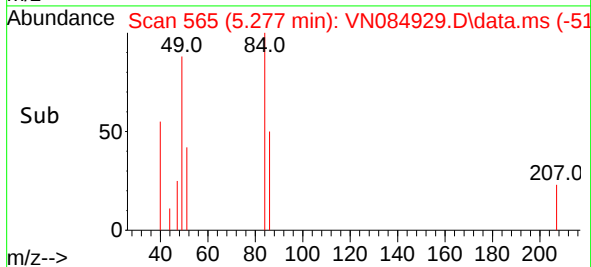
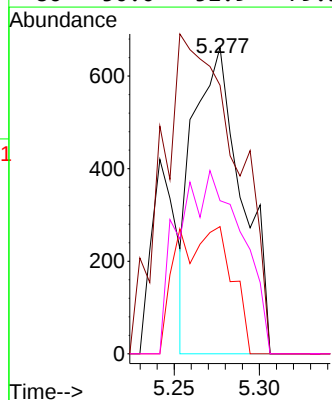
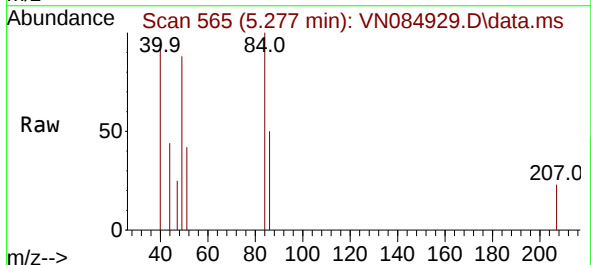
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 5199
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8



#20
Methylene Chloride
Concen: 0.494 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

Tgt Ion: 84 Resp: 1306
Ion Ratio Lower Upper
84 100
49 87.6 107.2 160.8#
51 41.5 31.8 47.8
86 50.0 52.9 79.3#

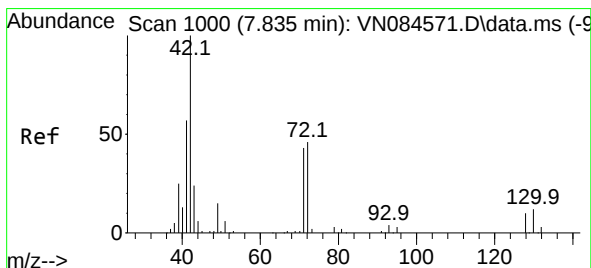
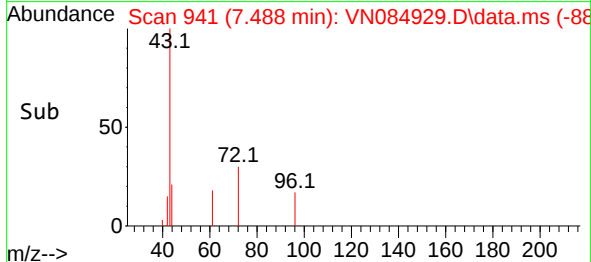
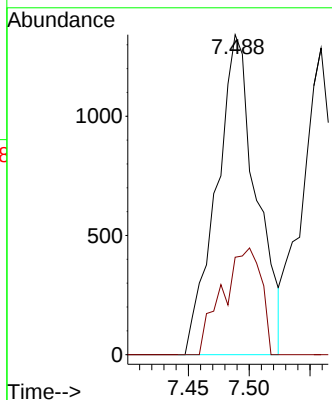
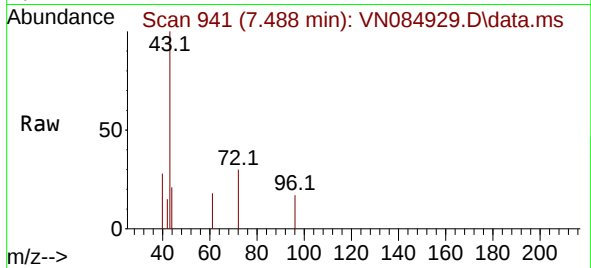




#25
2-Butanone
Concen: 2.184 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

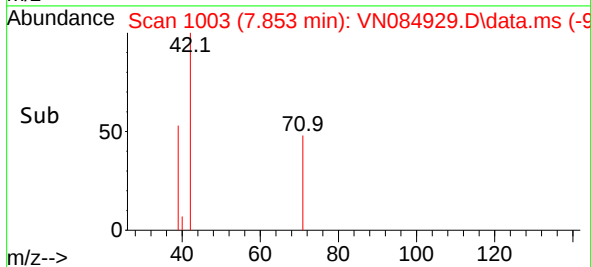
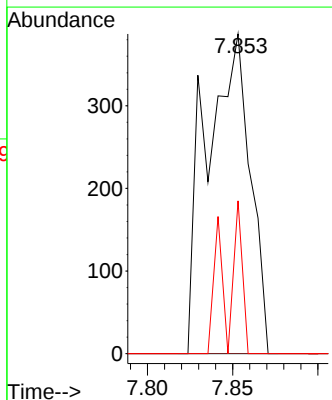
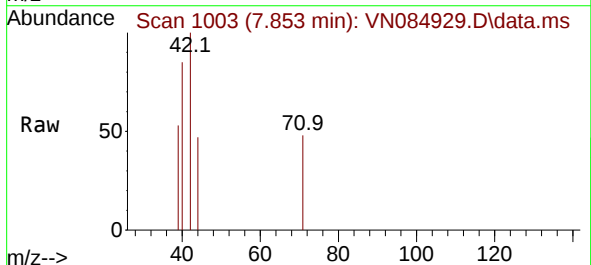
Instrument :
MSVOA_N
ClientSampleId :

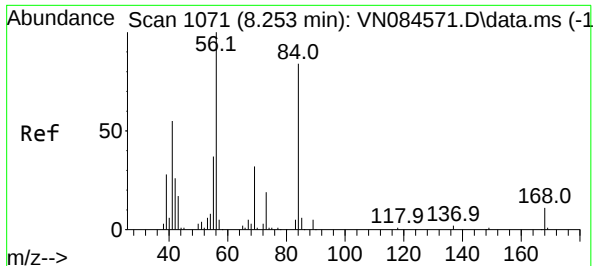
Tgt Ion: 43 Resp: 3060
Ion Ratio Lower Upper
43 100
72 30.5 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.740 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

Tgt Ion: 42 Resp: 688
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 18.0 32.2 48.4#





#31

Cyclohexane

Concen: 1.152 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084929.D

Acq: 18 Nov 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

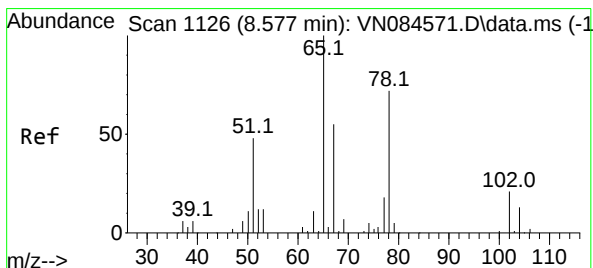
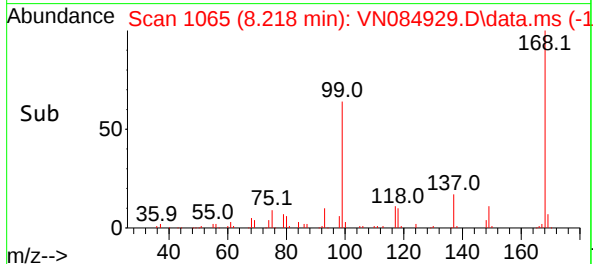
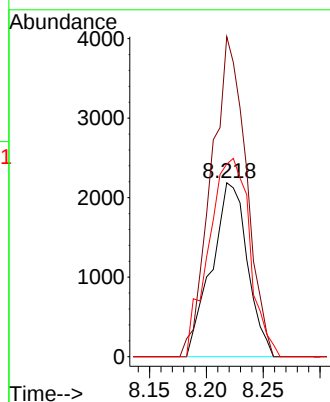
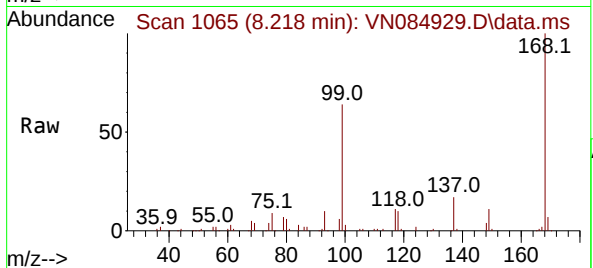
Tgt Ion: 56 Resp: 4777

Ion Ratio Lower Upper

56 100

69 184.0 23.8 35.6#

84 110.7 68.8 103.2#



#33

1,2-Dichloroethane-d4

Concen: 49.350 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084929.D

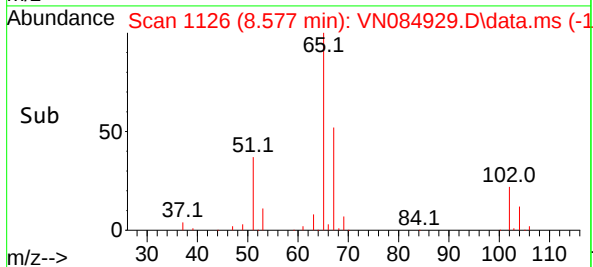
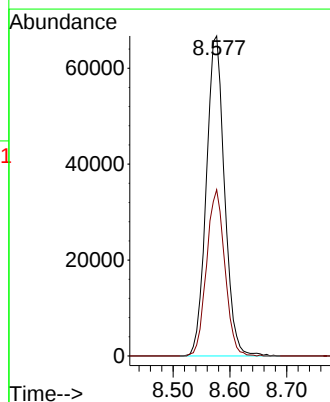
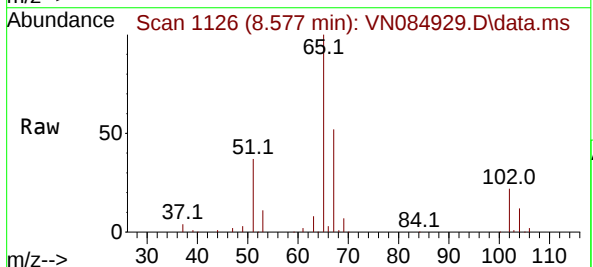
Acq: 18 Nov 2024 18:52

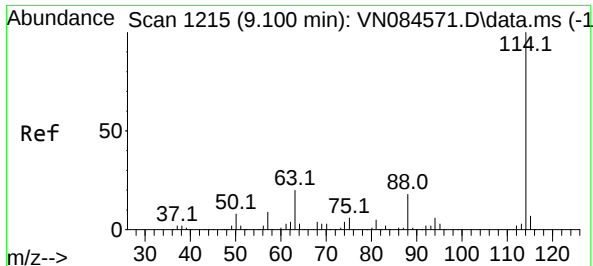
Tgt Ion: 65 Resp: 148226

Ion Ratio Lower Upper

65 100

67 52.0 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: VN084929.D

Acq: 18 Nov 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

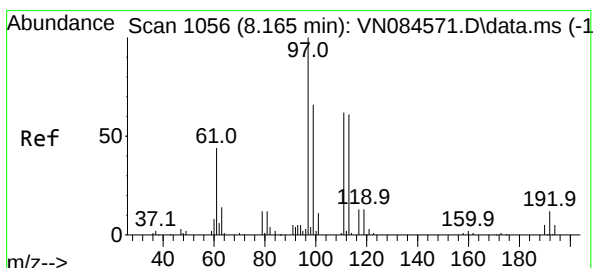
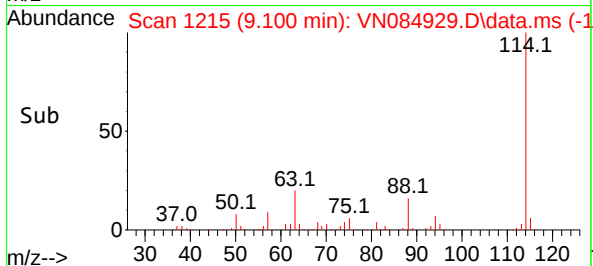
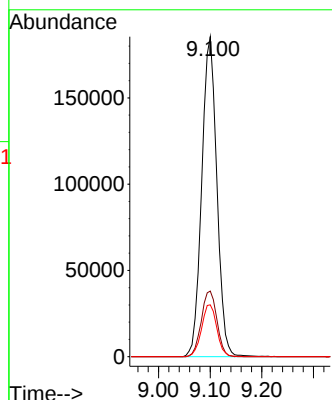
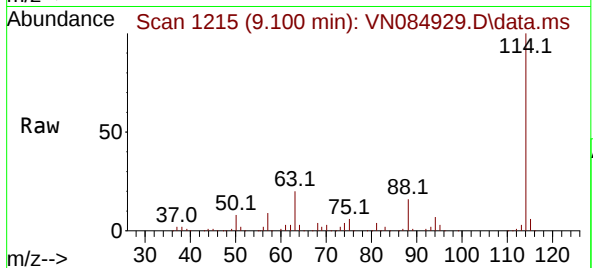
Tgt Ion:114 Resp: 376414

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.8

88 16.2 0.0 31.6



#35

Dibromofluoromethane

Concen: 46.531 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084929.D

Acq: 18 Nov 2024 18:52

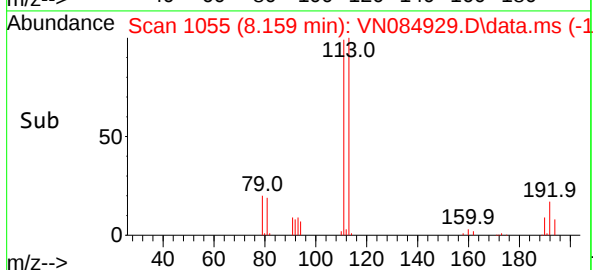
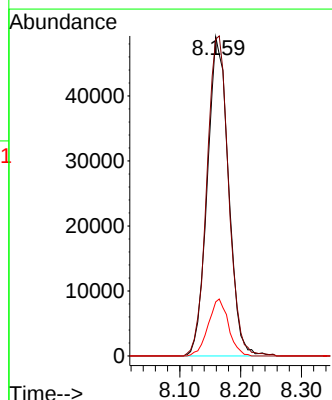
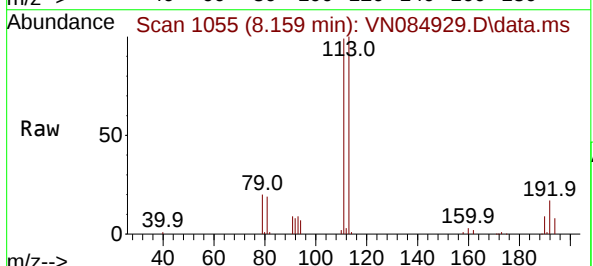
Tgt Ion:113 Resp: 118556

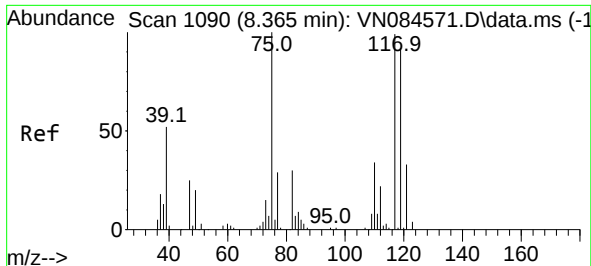
Ion Ratio Lower Upper

113 100

111 102.5 83.3 124.9

192 17.0 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.808 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

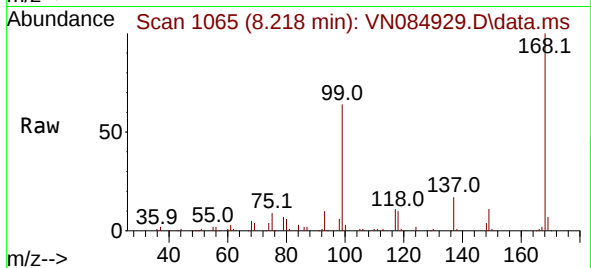
Lab File: VN084929.D

Acq: 18 Nov 2024 18:52

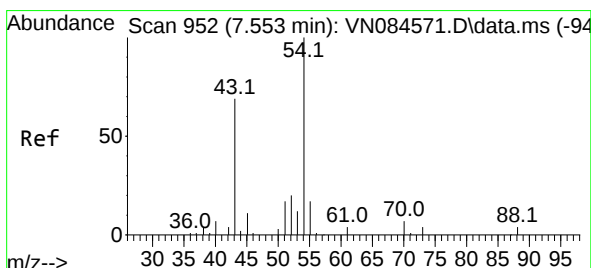
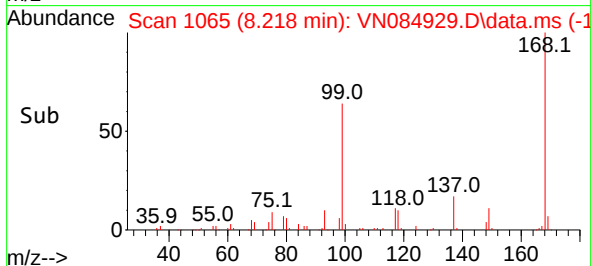
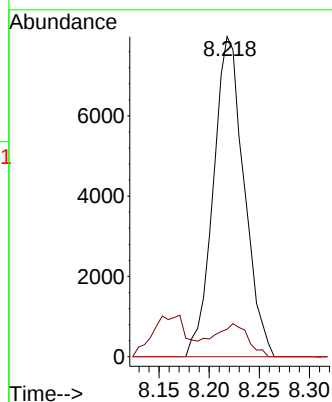
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	16990
Ion	Ratio	Lower	Upper
75	100		
110	9.8	16.9	50.7#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 0.989 ug/l

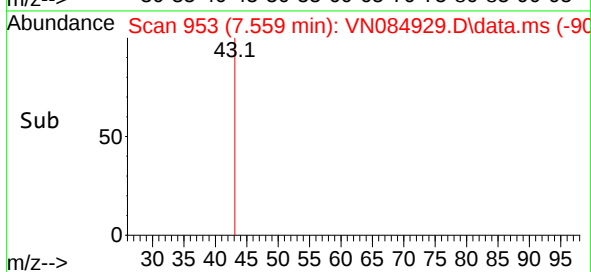
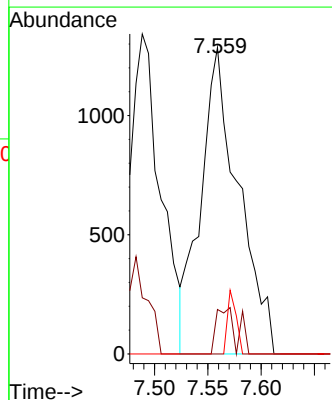
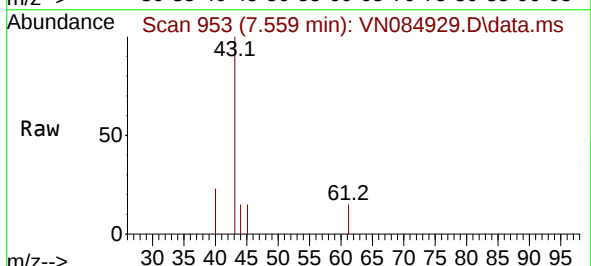
RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN084929.D

Acq: 18 Nov 2024 18:52

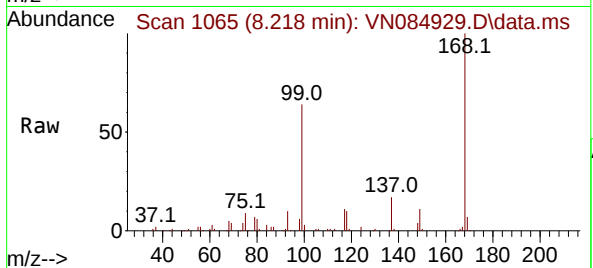
Tgt Ion:	43	Resp:	3171
Ion	Ratio	Lower	Upper
43	100		
61	8.2	10.7	16.1#
70	4.8	8.8	13.2#



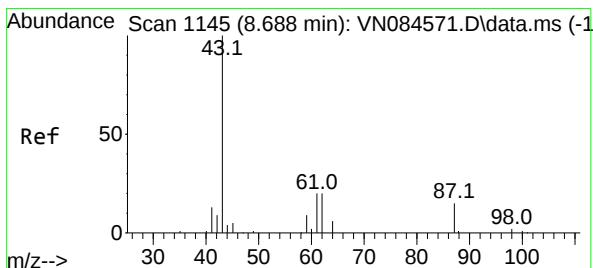
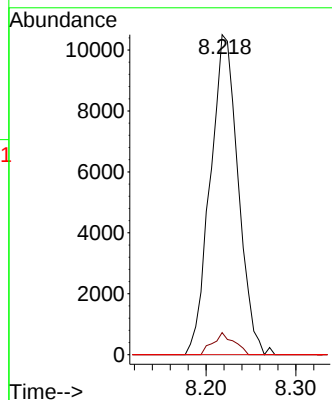
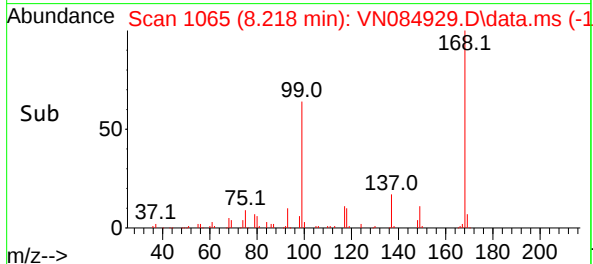


#38
Carbon Tetrachloride
Concen: 5.742 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :

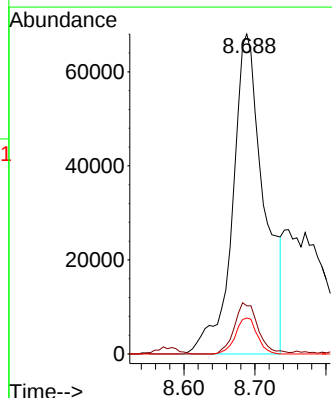
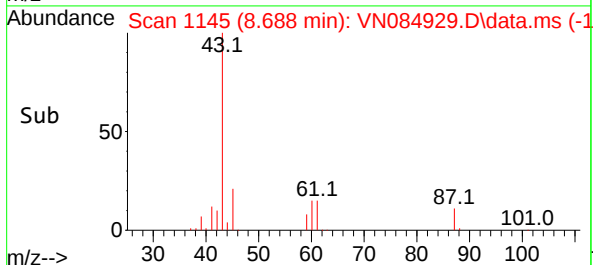
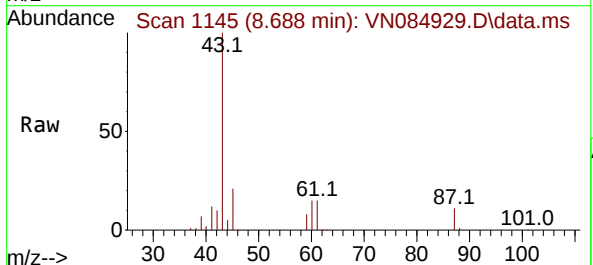


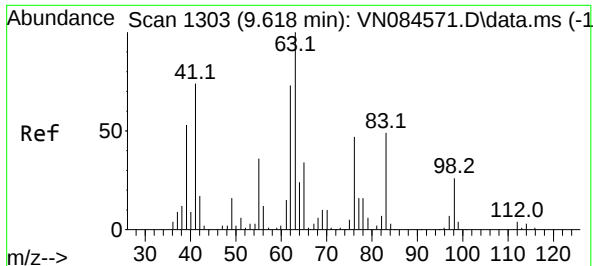
Tgt Ion:117 Resp: 22677
Ion Ratio Lower Upper
117 100
119 6.9 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 34.969 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

Tgt Ion: 43 Resp: 208837
Ion Ratio Lower Upper
43 100
61 12.1 20.4 30.6#
87 7.8 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.493 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN084929.D

Acq: 18 Nov 2024 18:52

Instrument :

MSVOA_N

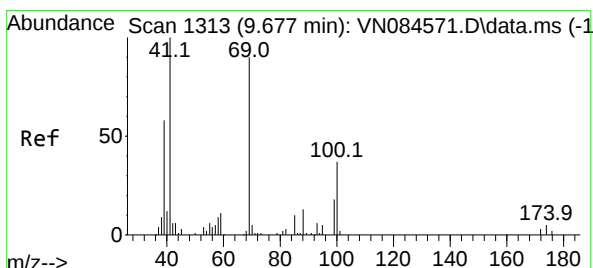
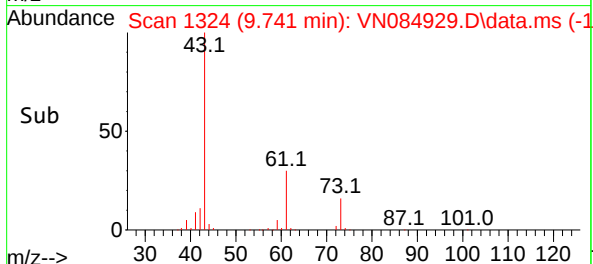
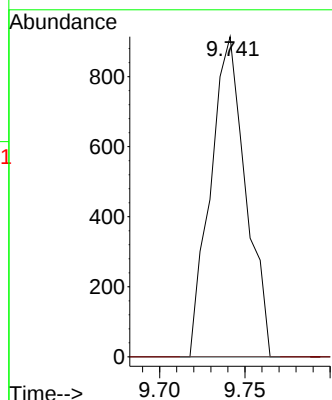
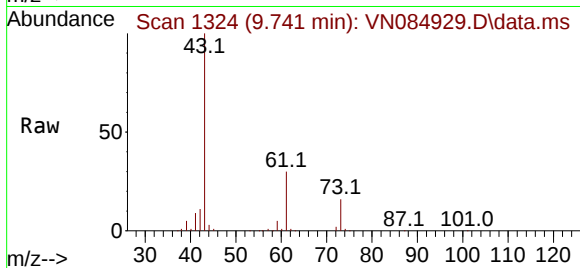
ClientSampleId :

Tgt Ion: 63 Resp: 1312

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.207 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN084929.D

Acq: 18 Nov 2024 18:52

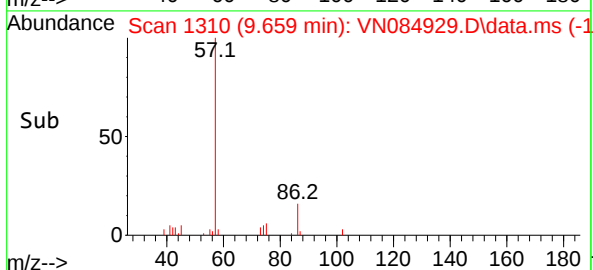
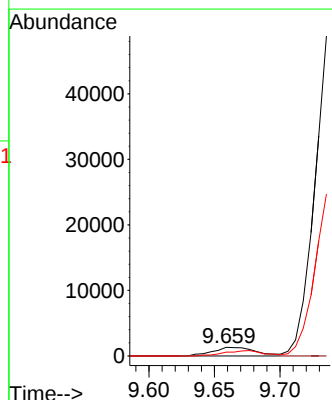
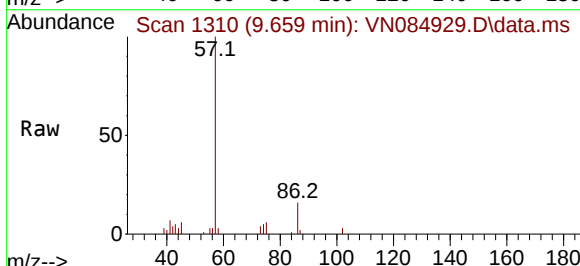
Tgt Ion: 41 Resp: 3011

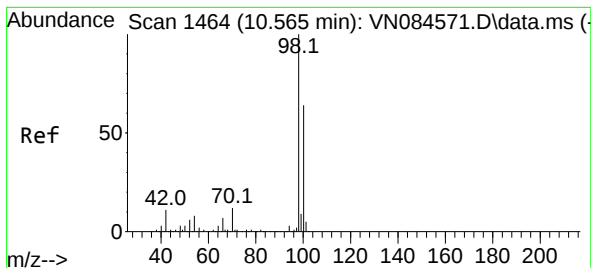
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 55.8 45.8 68.6





#50

Toluene-d8

Concen: 48.124 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084929.D

Acq: 18 Nov 2024 18:52

Instrument :

MSVOA_N

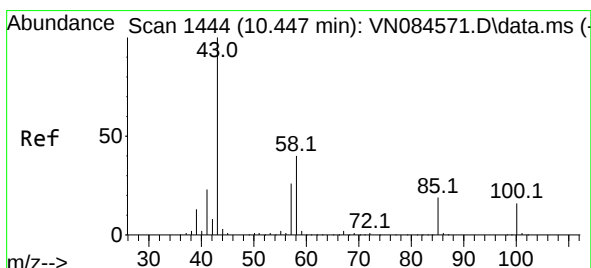
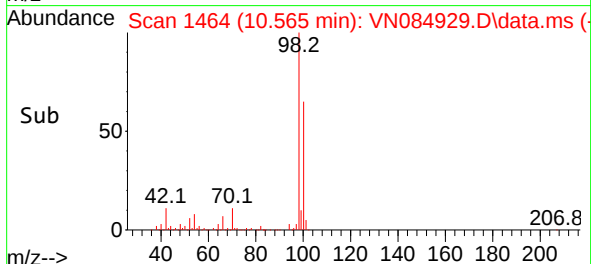
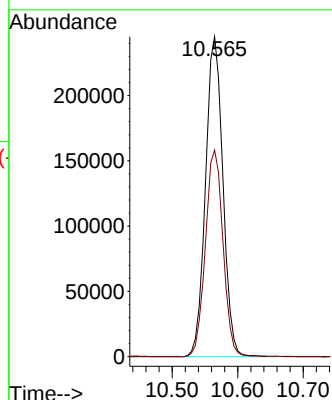
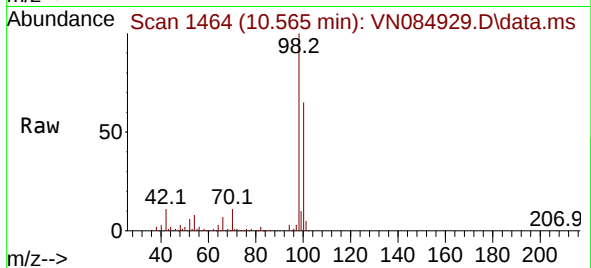
ClientSampleId :

Tgt Ion: 98 Resp: 451669

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 2.710 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN084929.D

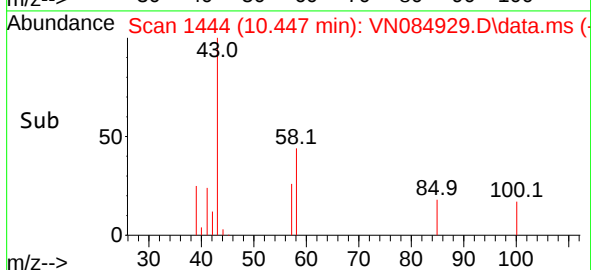
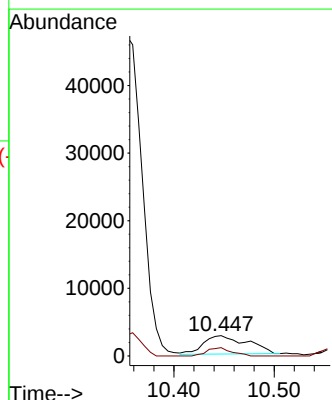
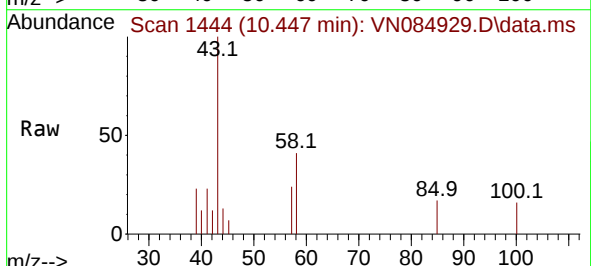
Acq: 18 Nov 2024 18:52

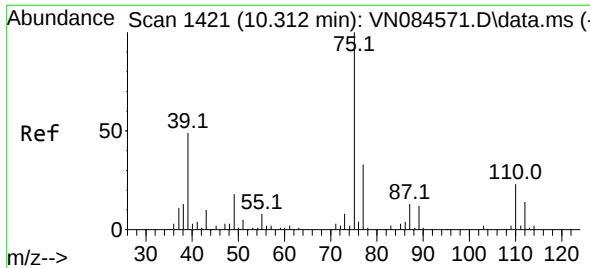
Tgt Ion: 43 Resp: 8284

Ion Ratio Lower Upper

43 100

58 24.8 31.6 47.4#

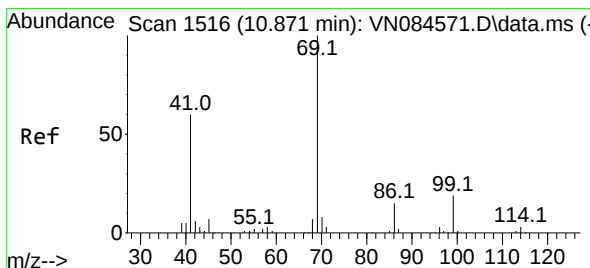
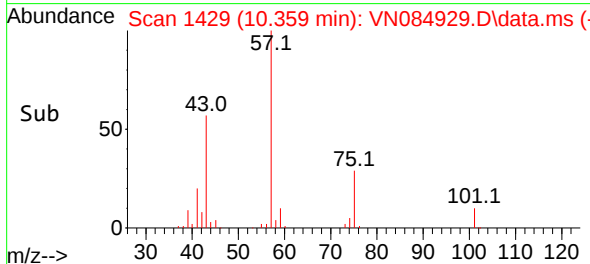
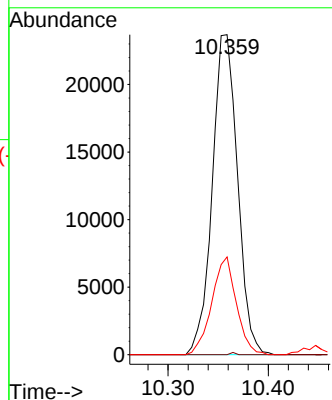
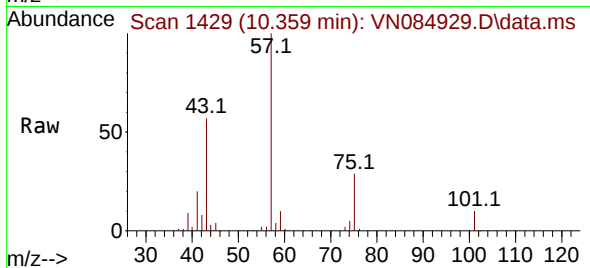




#54
 cis-1,3-Dichloropropene
 Concen: 9.553 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084929.D
 Acq: 18 Nov 2024 18:52

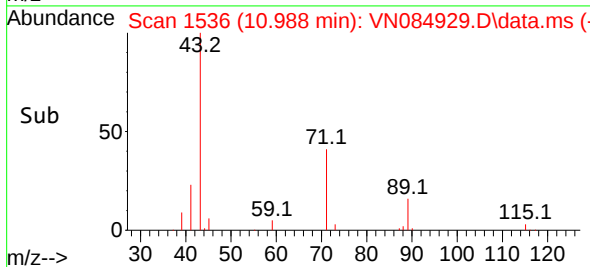
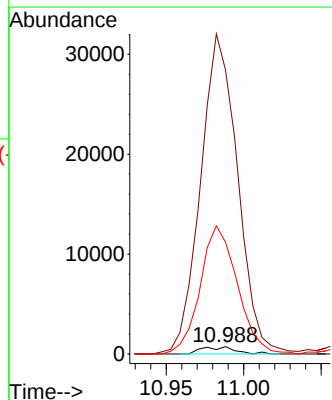
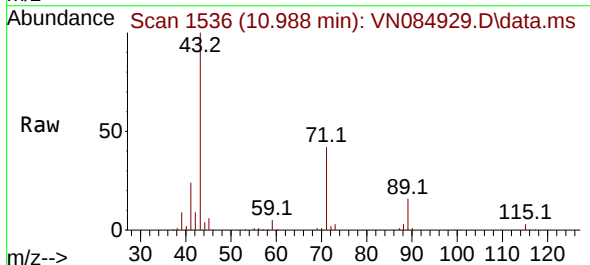
Instrument :
 MSVOA_N
 ClientSampleId :

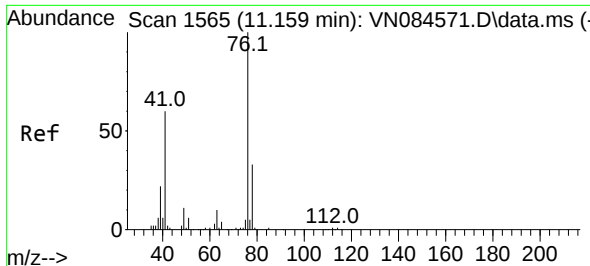
Tgt Ion: 75 Resp: 41438
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 30.5 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.298 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN084929.D
 Acq: 18 Nov 2024 18:52

Tgt Ion: 69 Resp: 1076
 Ion Ratio Lower Upper
 69 100
 41 4964.9 53.3 79.9#
 39 1988.5 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.256 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN084929.D

Acq: 18 Nov 2024 18:52

Instrument :

MSVOA_N

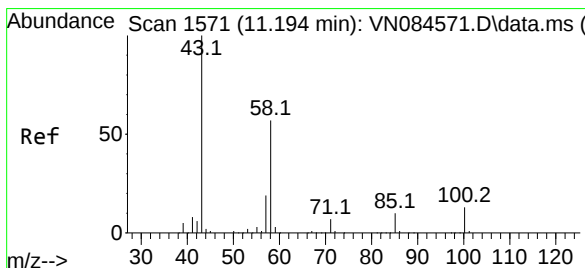
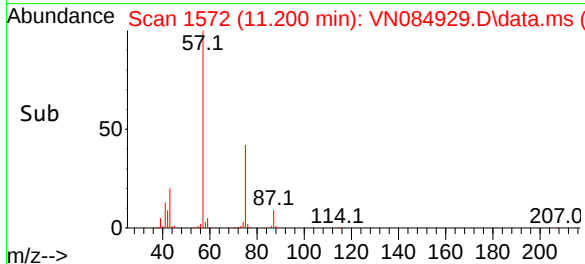
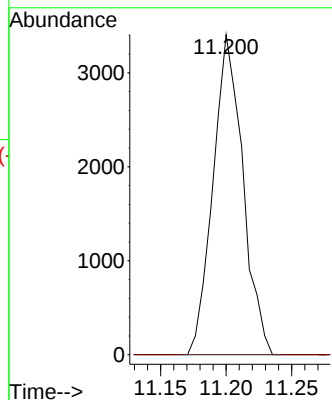
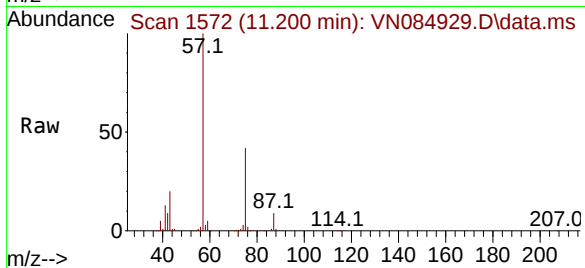
ClientSampleId :

Tgt Ion: 76 Resp: 5388

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 45.171 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084929.D

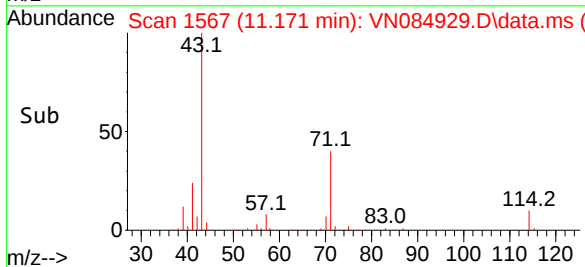
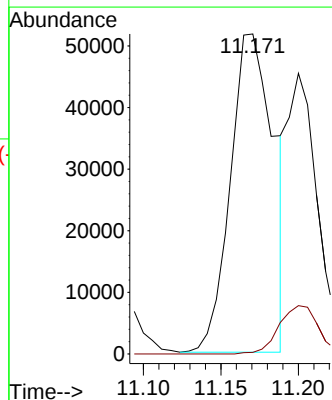
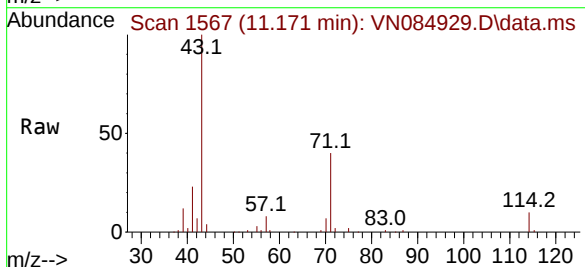
Acq: 18 Nov 2024 18:52

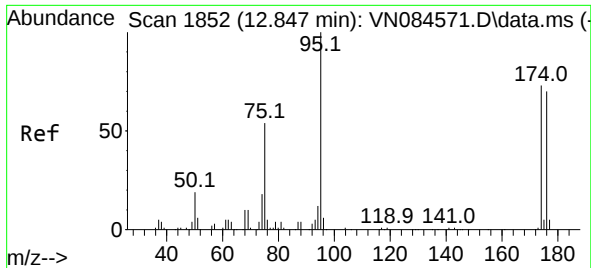
Tgt Ion: 43 Resp: 100489

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

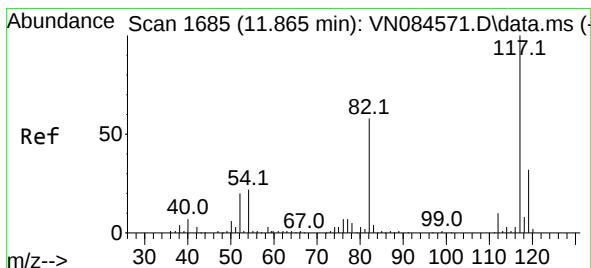
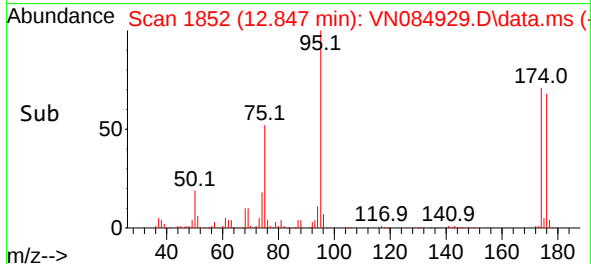
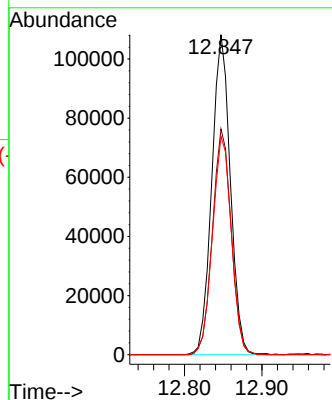
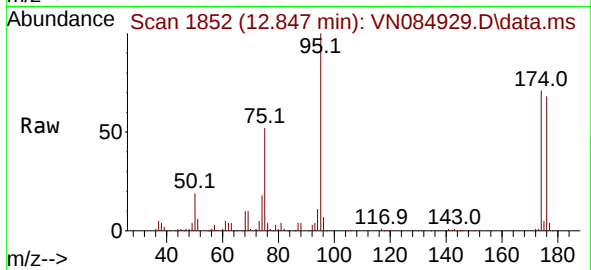




#62
4-Bromofluorobenzene
Concen: 51.434 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

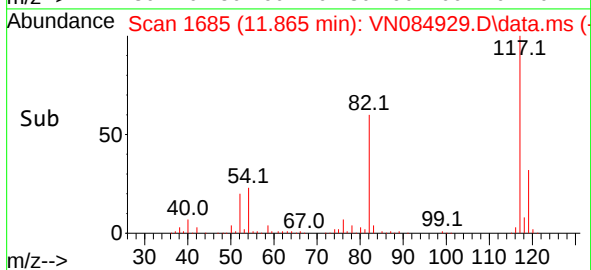
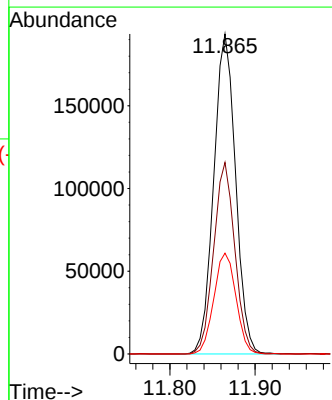
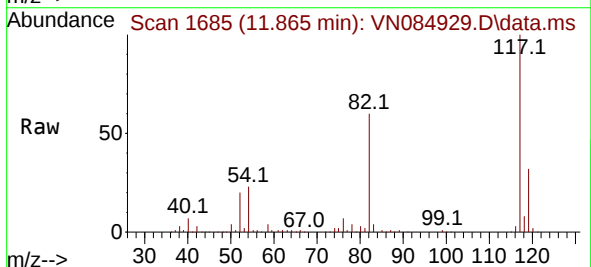
Instrument :
MSVOA_N
ClientSampleId :

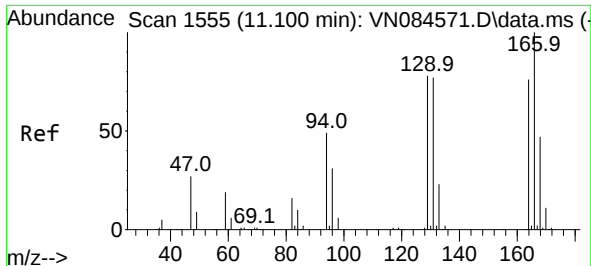
Tgt Ion: 95 Resp: 180413
Ion Ratio Lower Upper
95 100
174 71.1 0.0 145.2
176 69.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

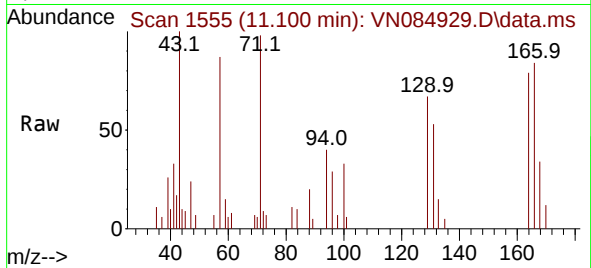
Tgt Ion: 117 Resp: 343818
Ion Ratio Lower Upper
117 100
82 59.8 47.2 70.8
119 31.5 25.4 38.0



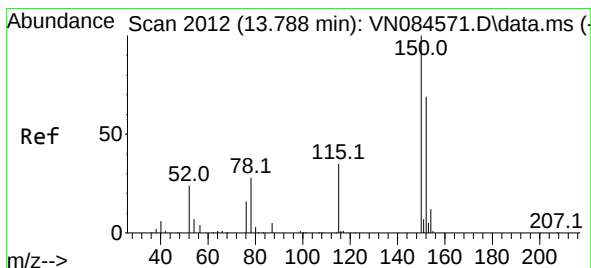
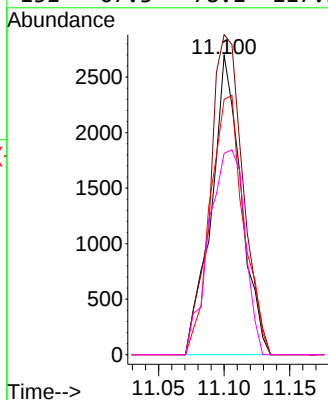
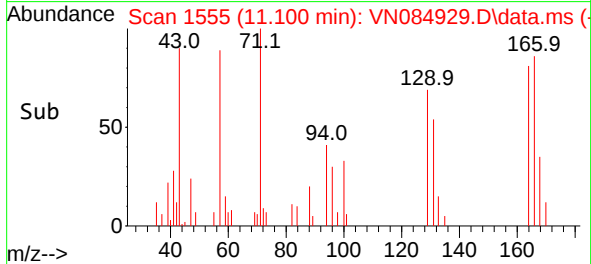


#64
Tetrachloroethene
Concen: 1.865 ug/l
RT: 11.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

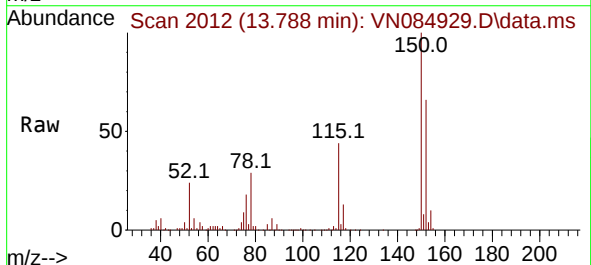
Instrument :
MSVOA_N
ClientSampleId :



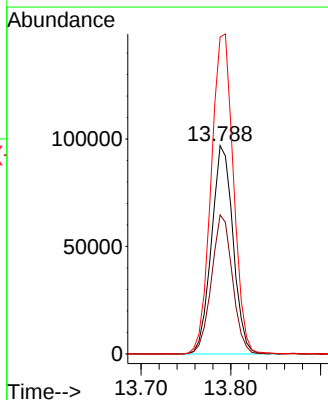
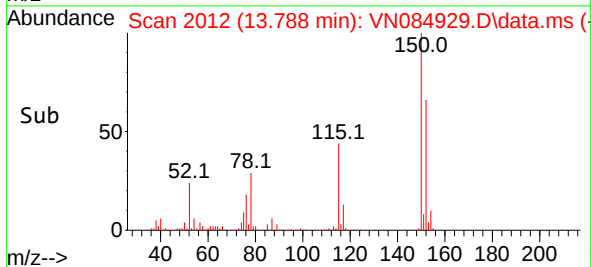
Tgt Ion:164 Resp: 4265
Ion Ratio Lower Upper
164 100
166 106.9 101.0 151.4
129 85.3 80.8 121.2
131 67.3 78.1 117.1#

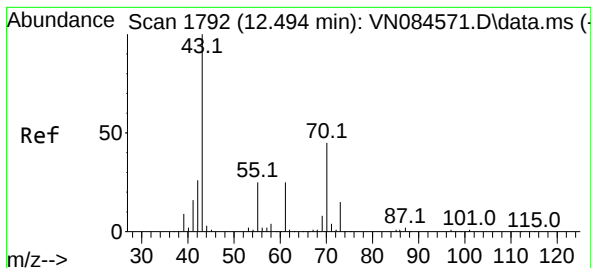


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52



Tgt Ion:152 Resp: 161951
Ion Ratio Lower Upper
152 100
115 65.0 31.3 93.9
150 158.4 0.0 349.8





#74

N-amy1 acetate

Concen: 0.217 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

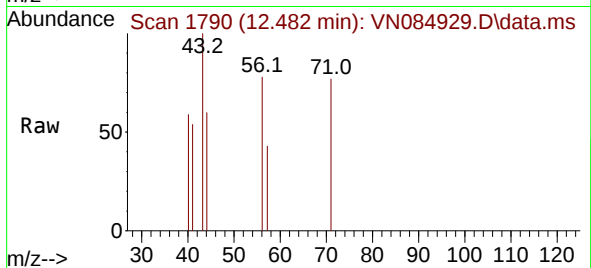
Lab File: VN084929.D

Acq: 18 Nov 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1049

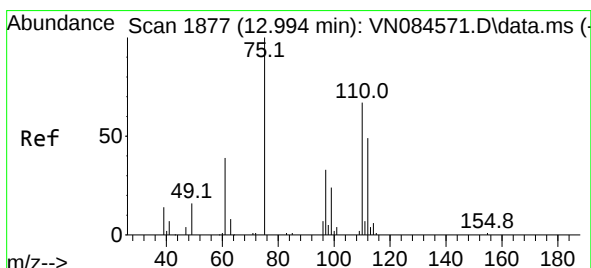
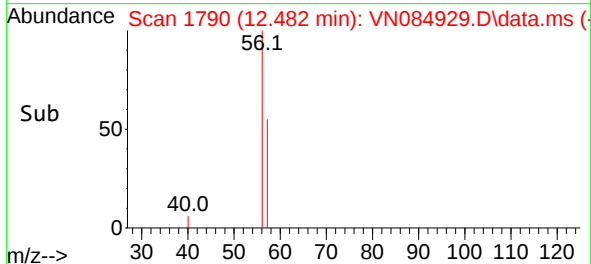
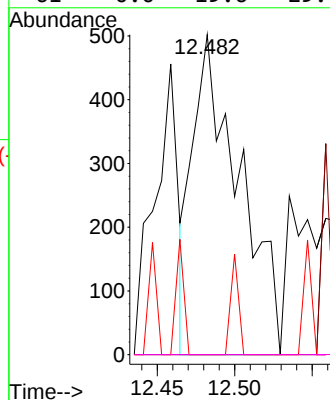
Ion Ratio Lower Upper

43 100

70 0.0 34.4 51.6#

55 5.3 19.6 29.4#

61 0.0 19.6 29.4#



#76

1,2,3-Trichloropropane

Concen: 28.830 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084929.D

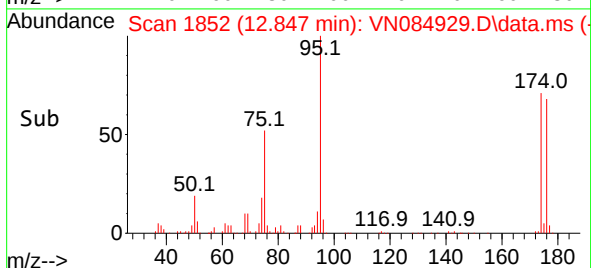
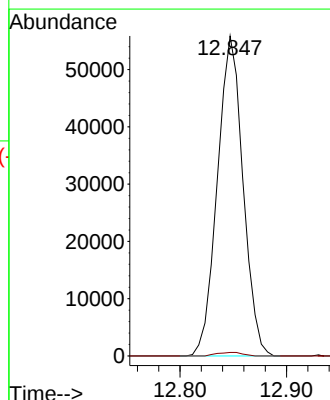
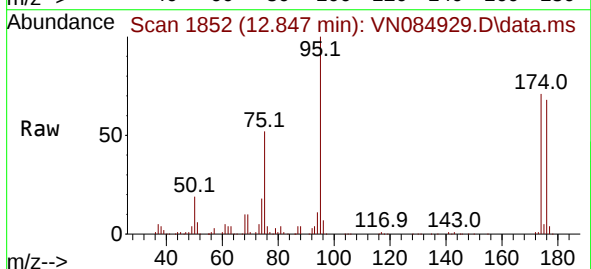
Acq: 18 Nov 2024 18:52

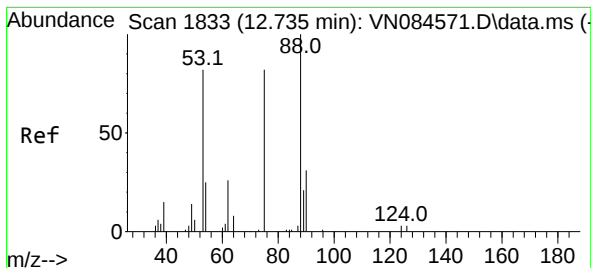
Tgt Ion: 75 Resp: 93333

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#

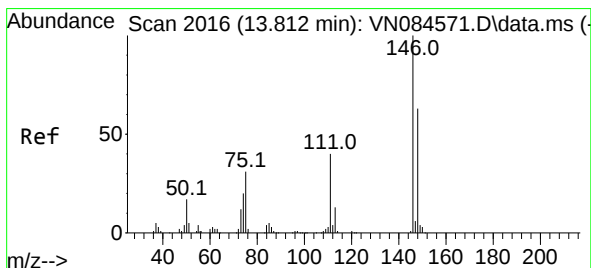
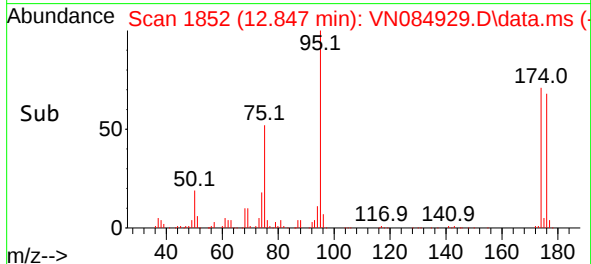
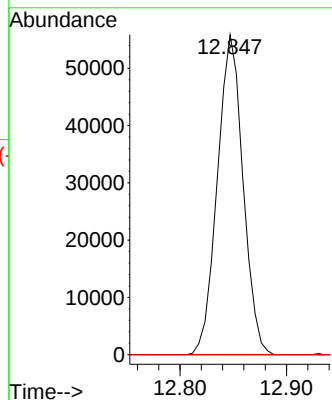
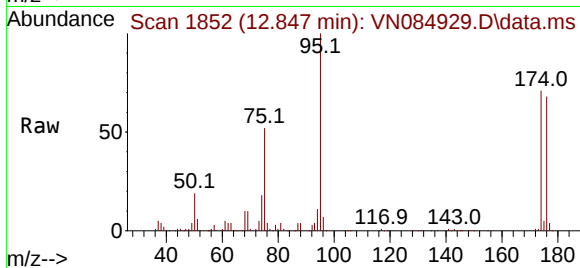




#81
trans-1,4-Dichloro-2-butene
Concen: 68.397 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

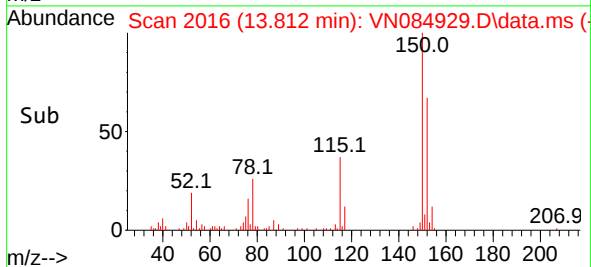
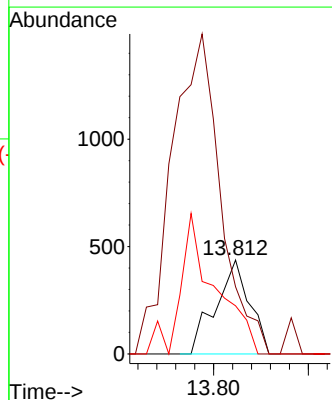
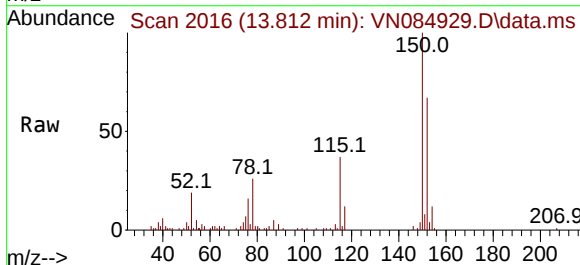
Instrument :
MSVOA_N
ClientSampleId :

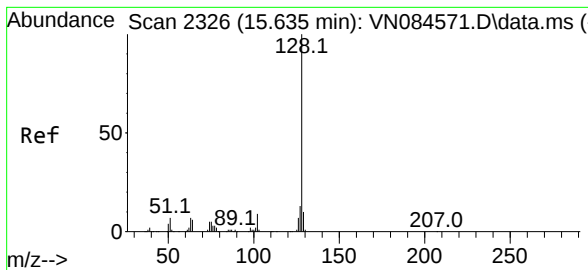
Tgt Ion: 75 Resp: 93333
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084929.D
Acq: 18 Nov 2024 18:52

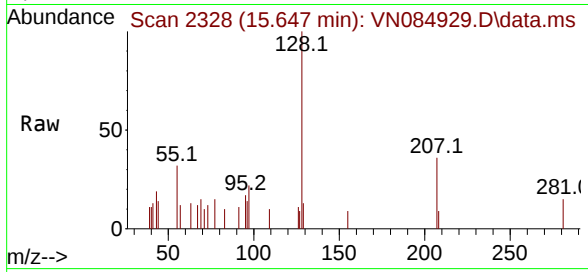
Tgt Ion:146 Resp: 541
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 0.0 31.9 95.9#





#95
 Naphthalene
 Concen: 0.357 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN084929.D
 Acq: 18 Nov 2024 18:52

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	3345
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	0.0	8.7	13.1#

