

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032123\
 Data File : VN077091.D
 Acq On : 21 Mar 2023 15:29
 Operator : JC\MD
 Sample : 01975-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CHAMBER-B-72-WEST

Quant Time: Mar 21 23:18:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

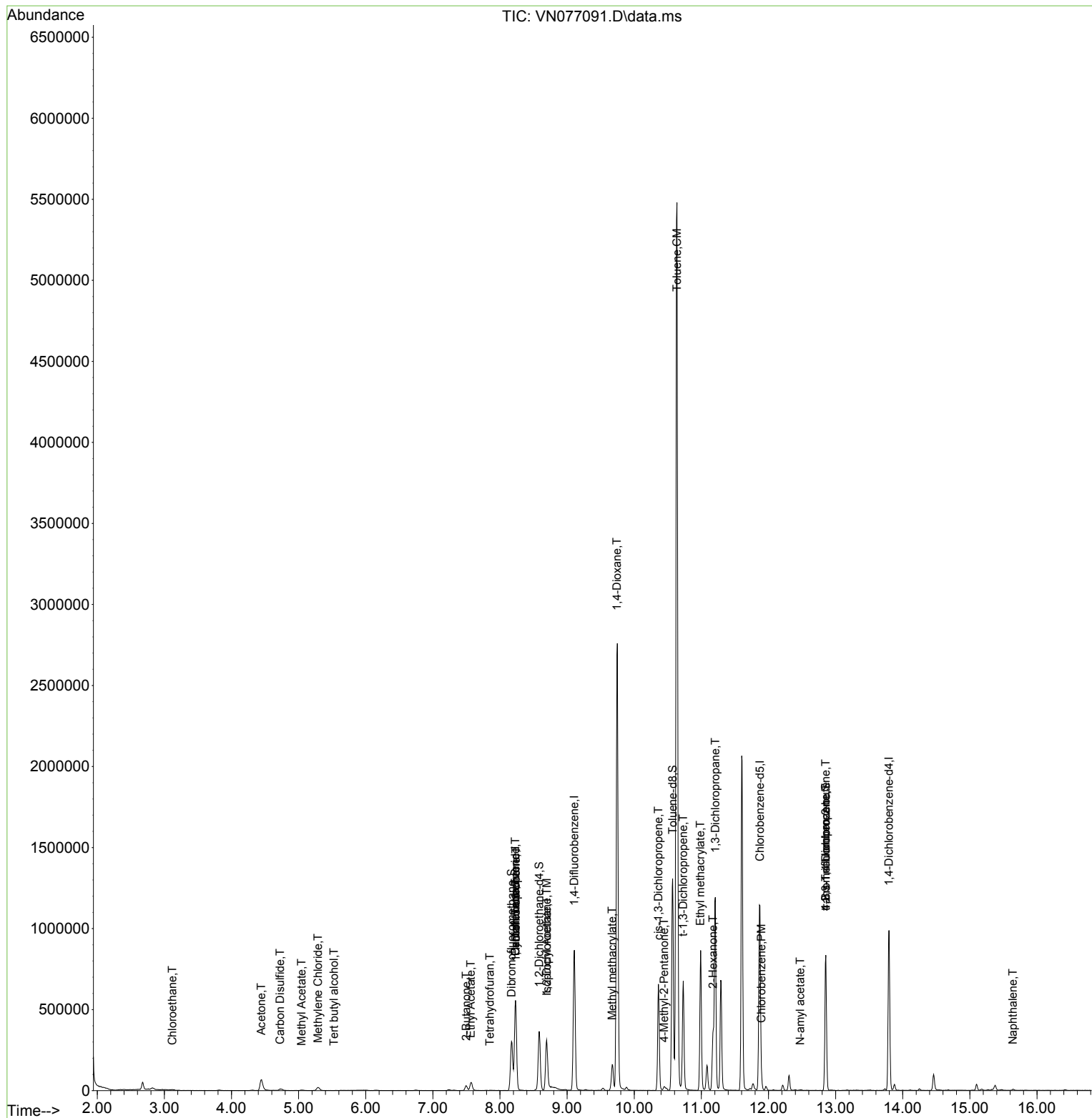
Internal Standards						
1) Pentafluorobenzene	8.231	168	386497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	717599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	660054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	251959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	302927	49.068	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.140%		
35) Dibromofluoromethane	8.172	113	224854	44.743	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.480%		
50) Toluene-d8	10.572	98	903180	50.312	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.620%		
62) 4-Bromofluorobenzene	12.854	95	294159	46.372	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.740%		
Target Compounds						Qvalue
6) Chloroethane	3.119	64	957	0.360	ug/l #	42
11) Tert butyl alcohol	5.525	59	228	0.253	ug/l #	72
16) Acetone	4.443	43	129321	47.012	ug/l	97
17) Carbon Disulfide	4.725	76	5200	0.380	ug/l #	92
18) Methyl Acetate	5.043	43	6768	0.652	ug/l #	73
20) Methylene Chloride	5.290	84	15396	2.579	ug/l	93
25) 2-Butanone	7.495	43	45618	11.336	ug/l	97
29) Tetrahydrofuran	7.848	42	781	0.300	ug/l #	57
31) Cyclohexane	8.231	56	9752	0.965	ug/l #	1
36) 1,1-Dichloropropene	8.237	75	36123	4.602	ug/l #	52
37) Ethyl Acetate	7.566	43	77536	9.232	ug/l	99
38) Carbon Tetrachloride	8.231	117	43973	5.751	ug/l #	15
42) 1,2-Dichloroethane	8.695	62	2228	0.259	ug/l #	76
43) Isopropyl Acetate	8.695	43	366704	27.951	ug/l #	89
48) Methyl methacrylate	9.672	41	10055	1.603	ug/l #	44
49) 1,4-Dioxane	9.742	88	322	3.006	ug/l #	1
51) 4-Methyl-2-Pentanone	10.442	43	26732	3.272	ug/l #	74
52) Toluene	10.636	92	2443037	171.883	ug/l	99
53) t-1,3-Dichloropropene	10.730	75	1647	0.201	ug/l #	77
54) cis-1,3-Dichloropropene	10.360	75	110833	11.984	ug/l #	65
56) Ethyl methacrylate	10.983	69	3616	0.429	ug/l #	1
57) 1,3-Dichloropropane	11.207	76	12589	1.227	ug/l #	43
59) 2-Hexanone	11.172	43	291638	49.217	ug/l #	24
65) Chlorobenzene	11.895	112	24301	1.600	ug/l	93
74) N-amyl acetate	12.472	43	2931	0.300	ug/l #	47
76) 1,2,3-Trichloropropane	12.854	75	158916	24.384	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	158916	67.118	ug/l #	10
95) Naphthalene	15.642	128	6495	2.285	ug/l #	94

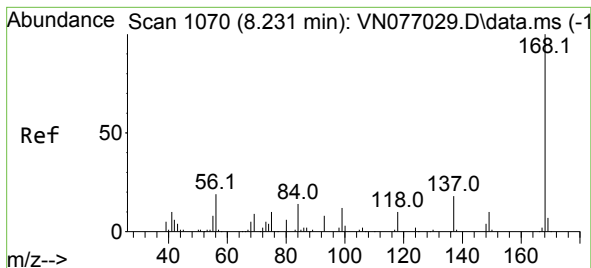
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032123\
Data File : VN077091.D
Acq On : 21 Mar 2023 15:29
Operator : JC\MD
Sample : 01975-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

Quant Time: Mar 21 23:18:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 20 08:50:30 2023
Response via : Initial Calibration

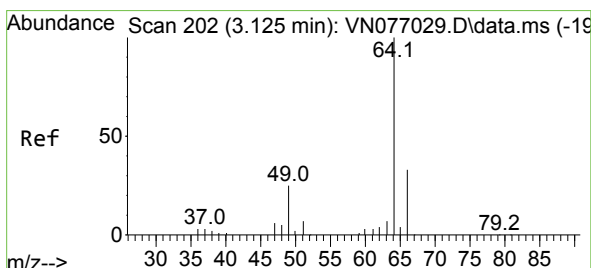
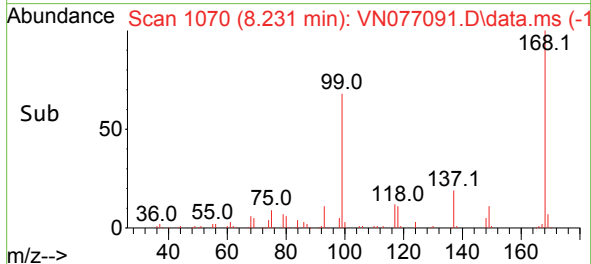
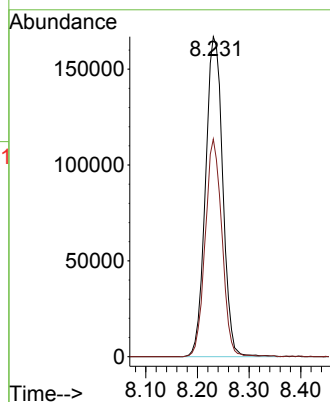
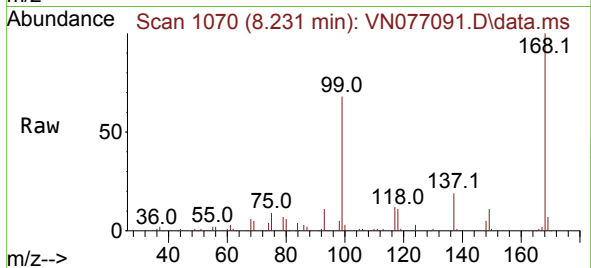




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

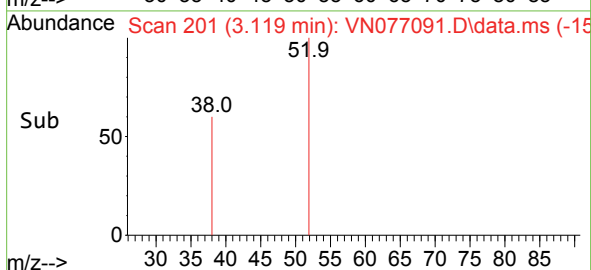
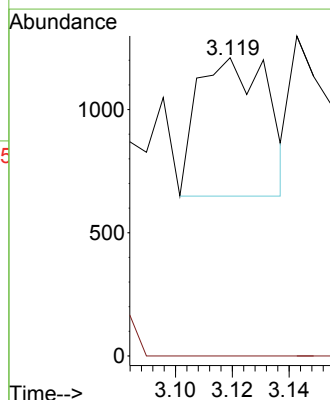
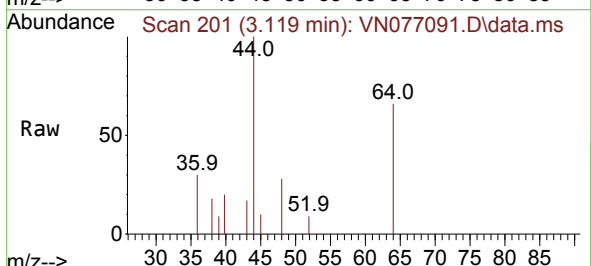
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

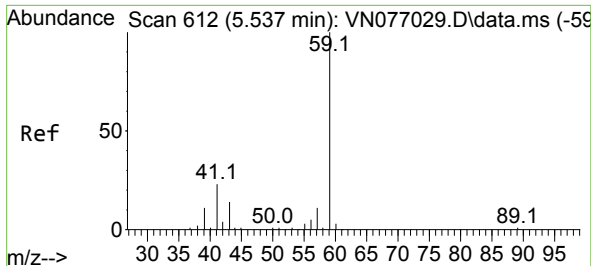
Tgt Ion:168 Resp: 386497
Ion Ratio Lower Upper
168 100
99 68.0 53.9 80.9



#6
Chloroethane
Concen: 0.360 ug/l
RT: 3.119 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion: 64 Resp: 957
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

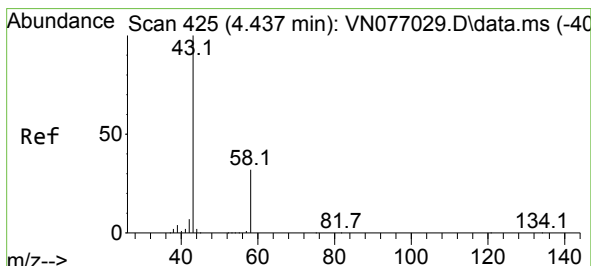
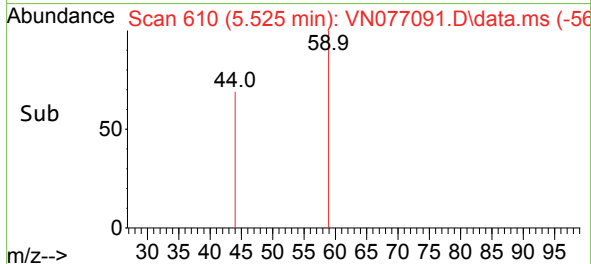
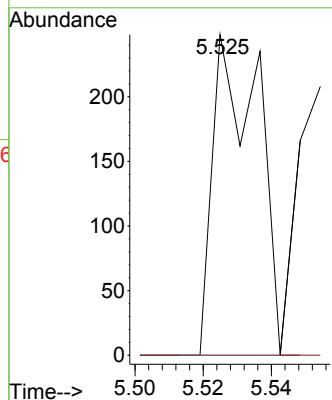
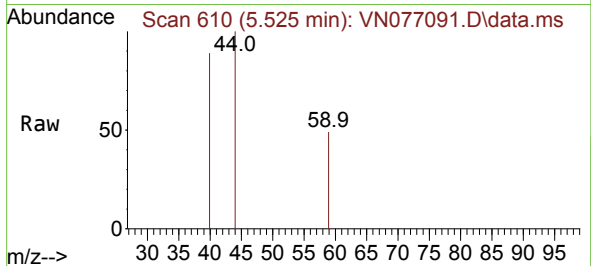




#11
Tert butyl alcohol
Concen: 0.253 ug/l
RT: 5.525 min Scan# 611
Delta R.T. -0.012 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

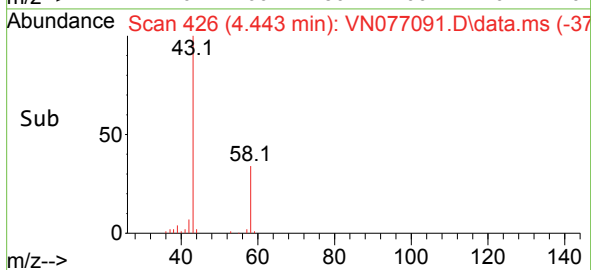
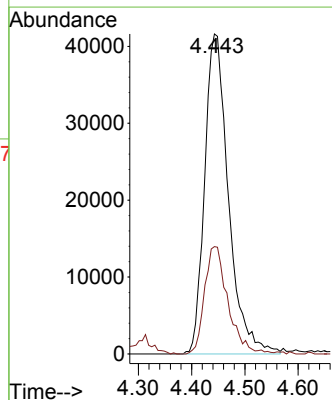
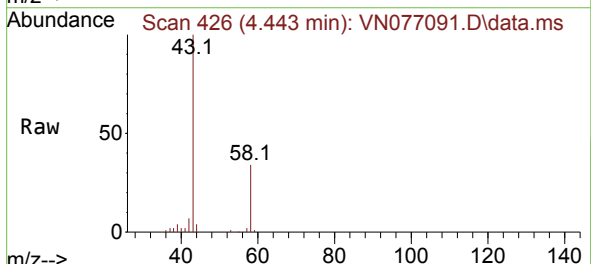
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

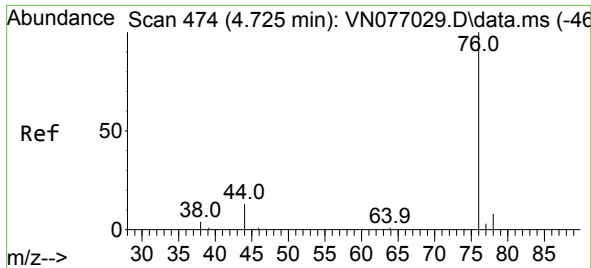
Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 47.012 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion: 43 Resp: 129321
Ion Ratio Lower Upper
43 100
58 33.5 25.4 38.0

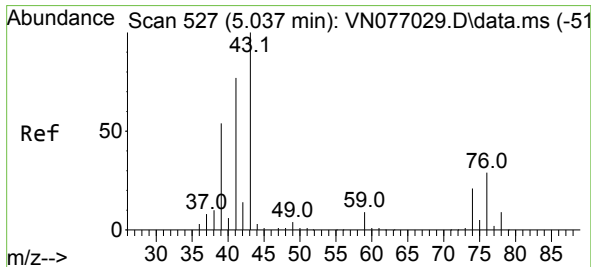
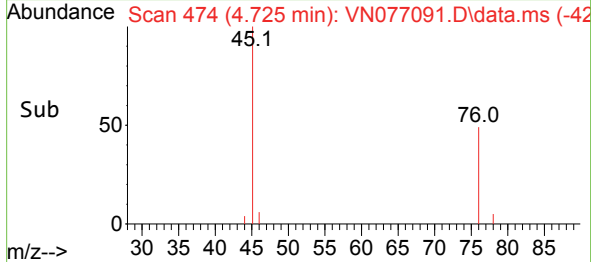
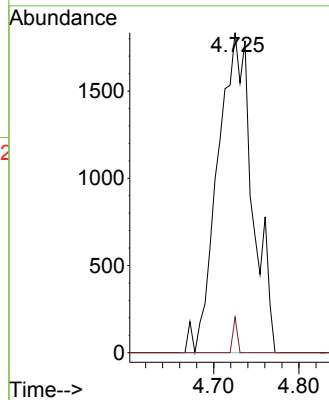
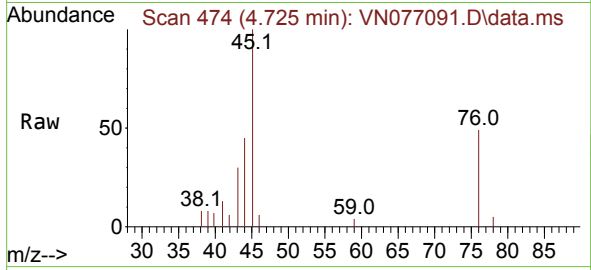




#17
Carbon Disulfide
Concen: 0.380 ug/l
RT: 4.725 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

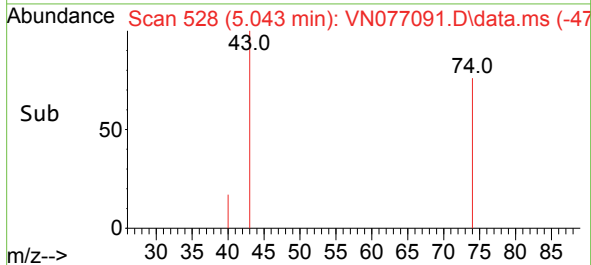
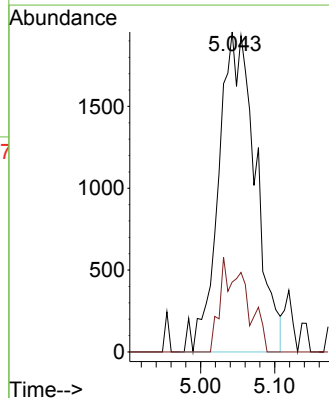
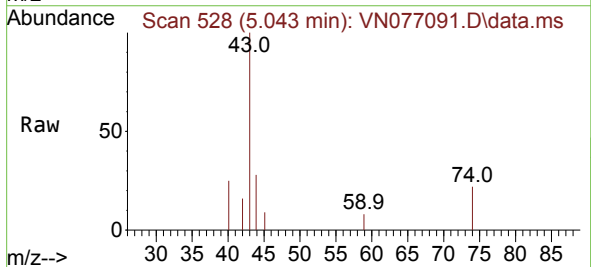
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

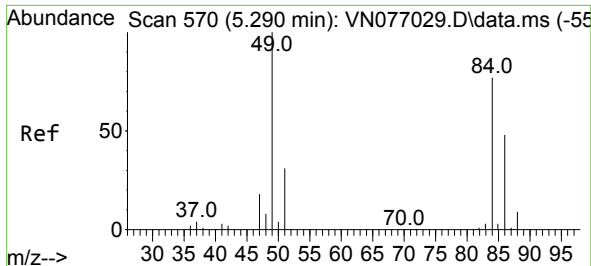
Tgt Ion: 76 Resp: 5200
Ion Ratio Lower Upper
76 100
78 11.1 6.6 10.0#



#18
Methyl Acetate
Concen: 0.652 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion: 43 Resp: 6768
Ion Ratio Lower Upper
43 100
74 9.4 17.7 26.5#

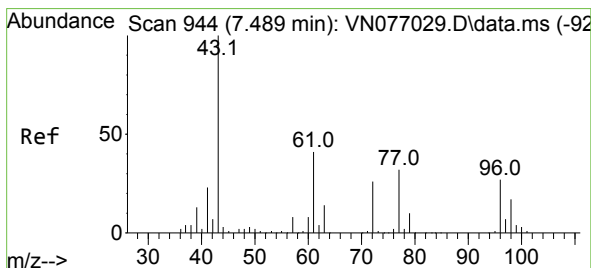
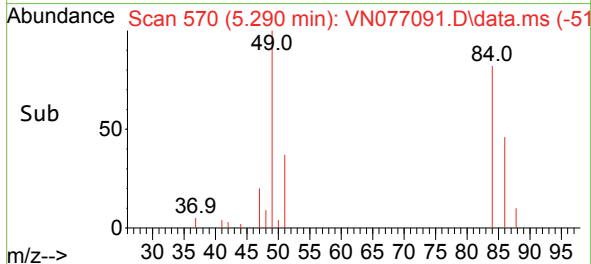
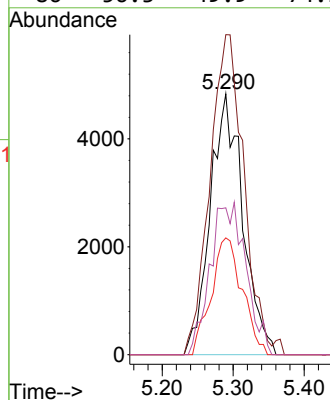
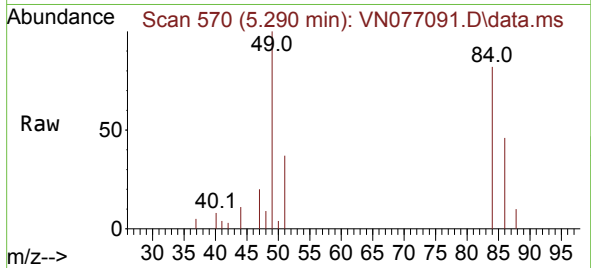




#20
Methylene Chloride
Concen: 2.579 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

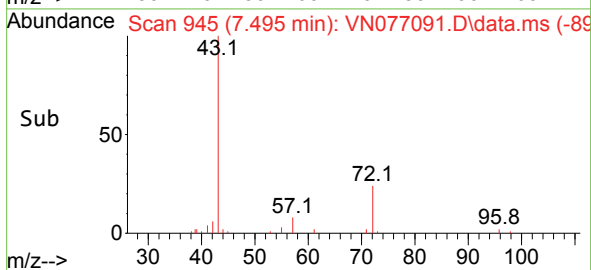
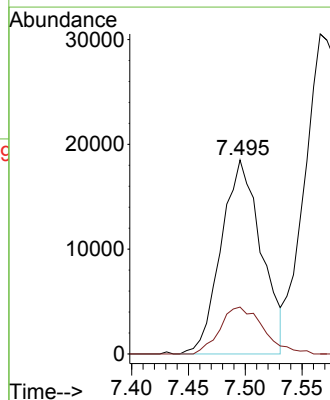
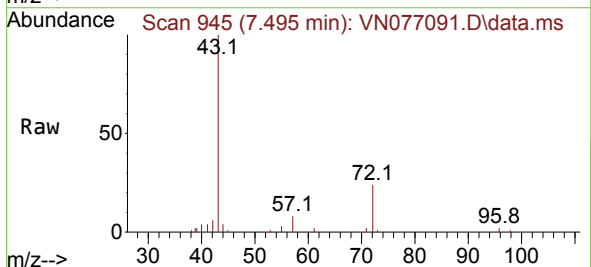
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

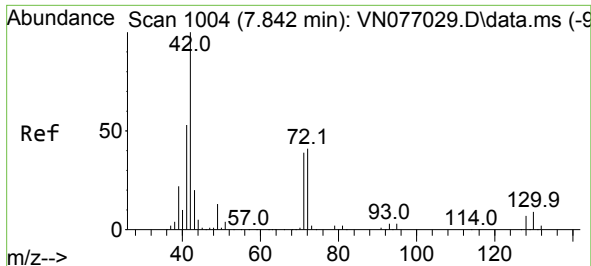
Tgt Ion: 84	Resp: 15396
Ion Ratio	Lower Upper
84 100	
49 122.7	103.8 155.6
51 44.8	32.3 48.5
86 56.3	49.9 74.9



#25
2-Butanone
Concen: 11.336 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion: 43	Resp: 45618
Ion Ratio	Lower Upper
43 100	
72 24.2	20.7 31.1

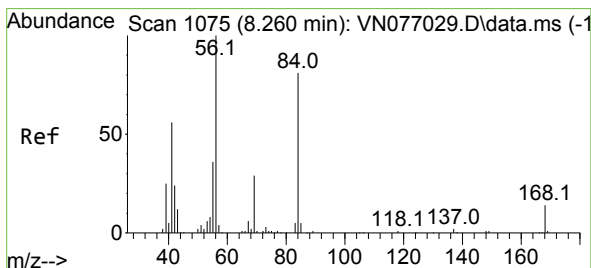
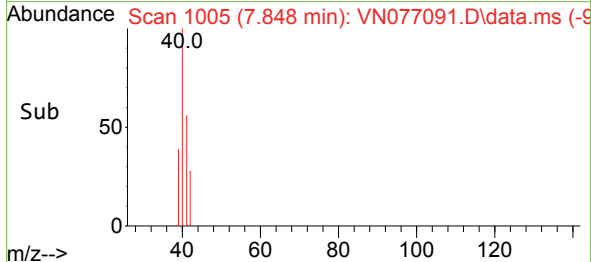
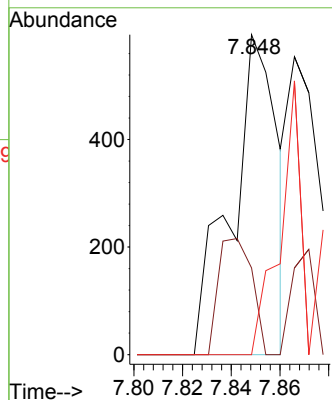
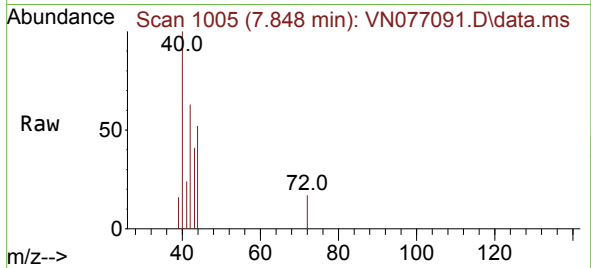




#29
Tetrahydrofuran
Concen: 0.300 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

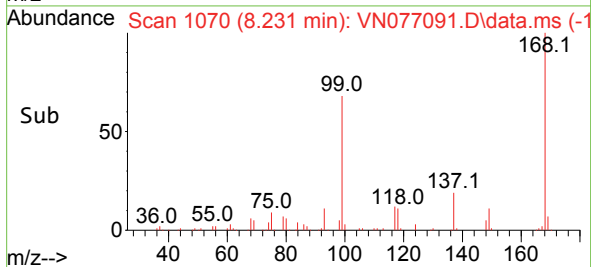
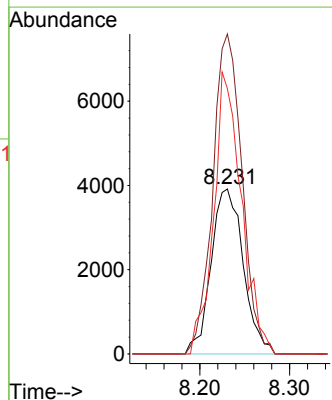
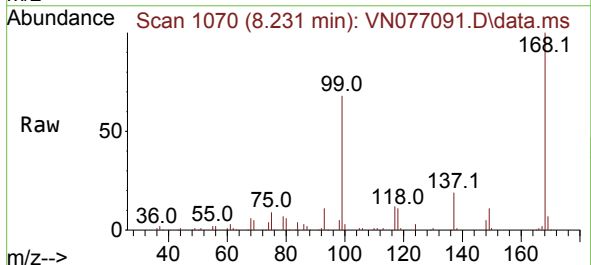
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

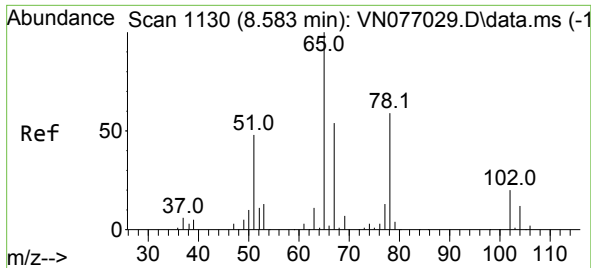
Tgt Ion: 42 Resp: 781
Ion Ratio Lower Upper
42 100
72 26.5 33.2 49.8#
71 0.0 31.0 46.4#



#31
Cyclohexane
Concen: 0.965 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion: 56 Resp: 9752
Ion Ratio Lower Upper
56 100
69 194.0 22.8 34.2#
84 160.8 64.7 97.1#

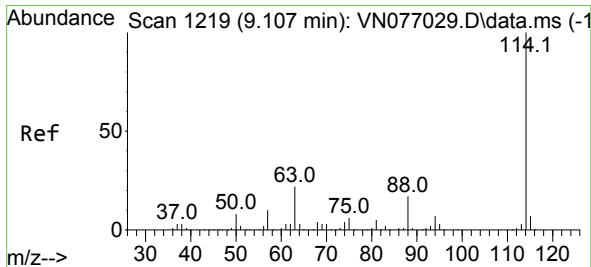
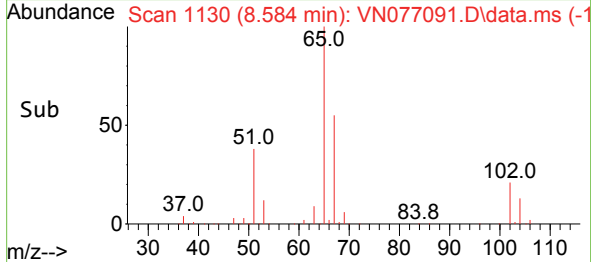
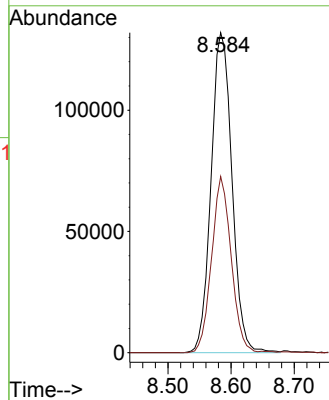
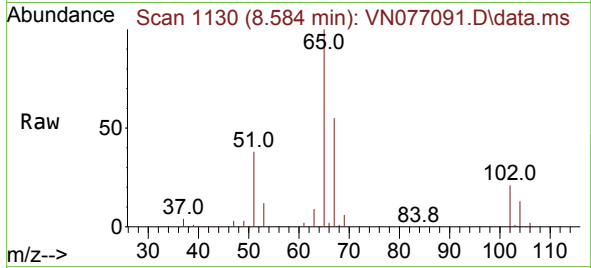




#33
1,2-Dichloroethane-d4
Concen: 49.068 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

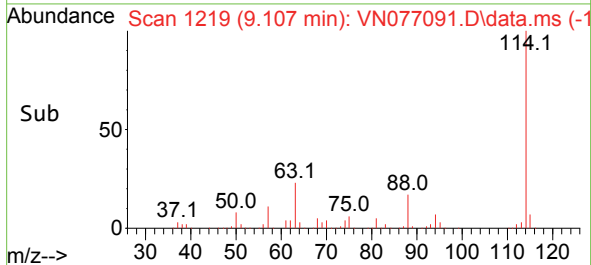
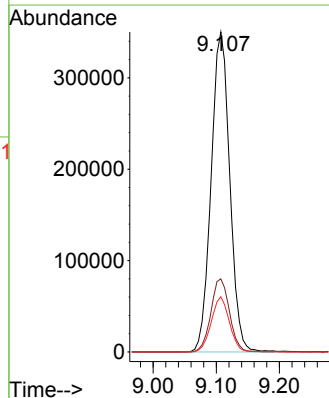
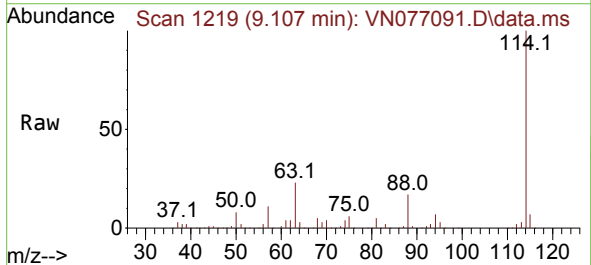
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

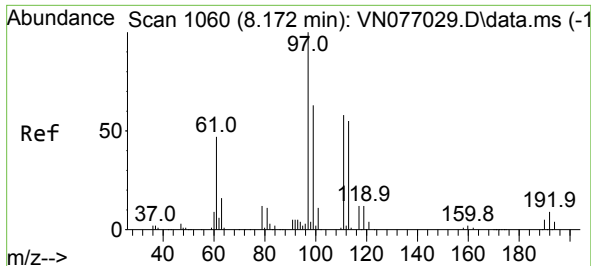
Tgt Ion: 65 Resp: 302927
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion: 114 Resp: 717599
Ion Ratio Lower Upper
114 100
63 22.8 0.0 44.6
88 17.3 0.0 33.8

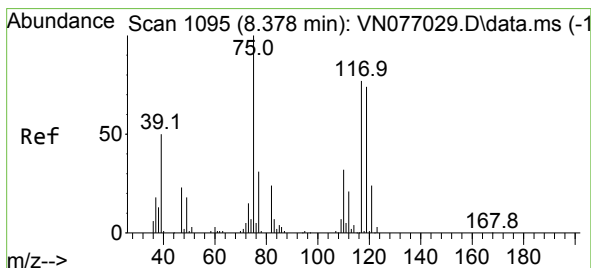
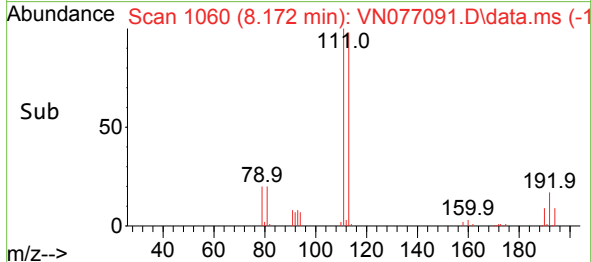
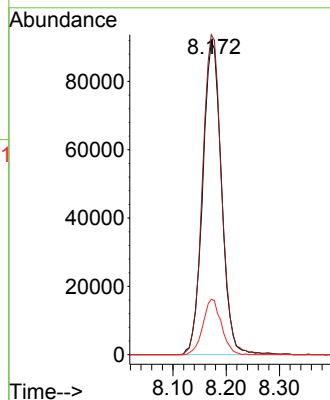
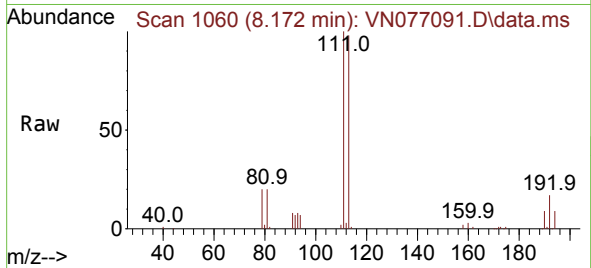




#35
Dibromofluoromethane
Concen: 44.743 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

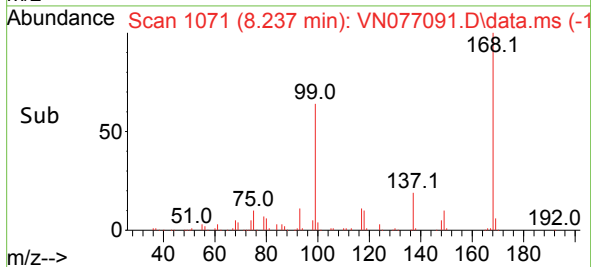
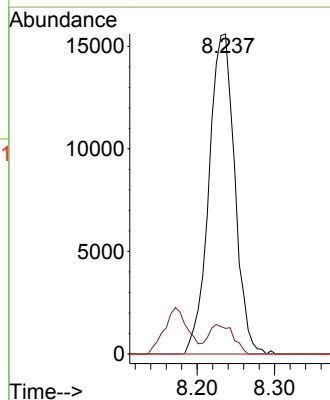
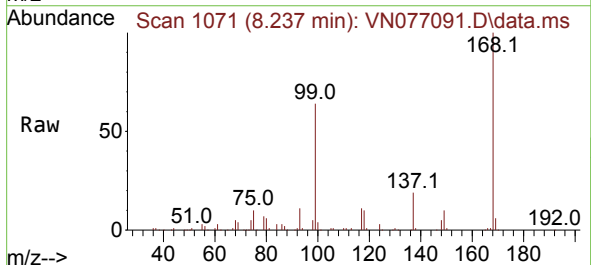
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

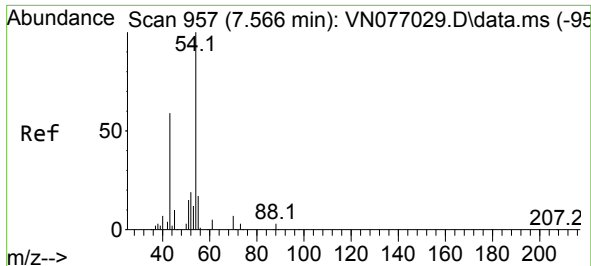
Tgt Ion:113 Resp: 224854
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 17.4 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.602 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.141 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion: 75 Resp: 36123
Ion Ratio Lower Upper
75 100
110 9.1 15.9 47.7#
77 0.0 24.3 36.5#

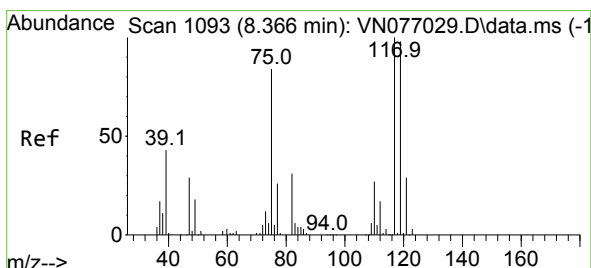
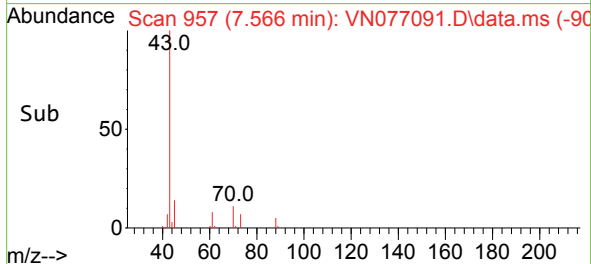
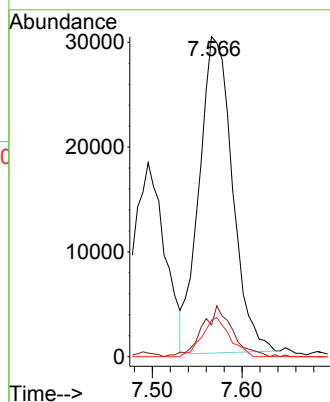
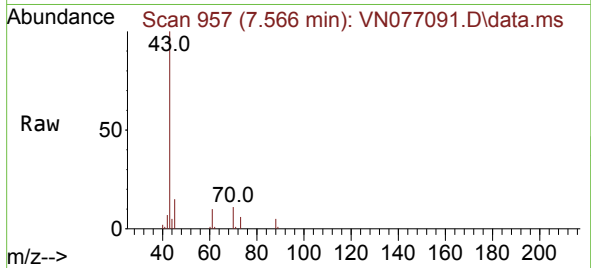




#37
Ethyl Acetate
Concen: 9.232 ug/l
RT: 7.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

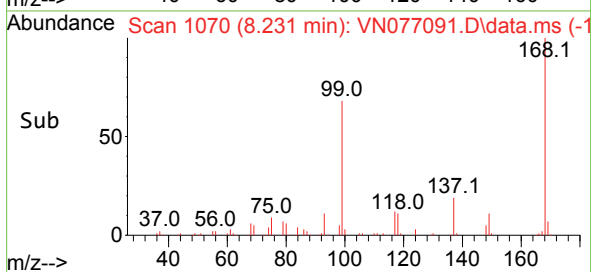
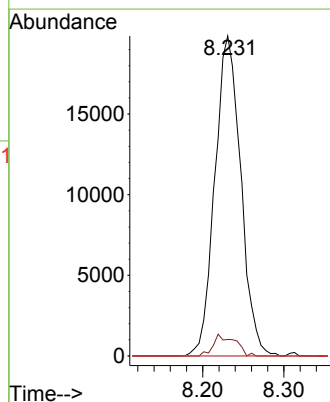
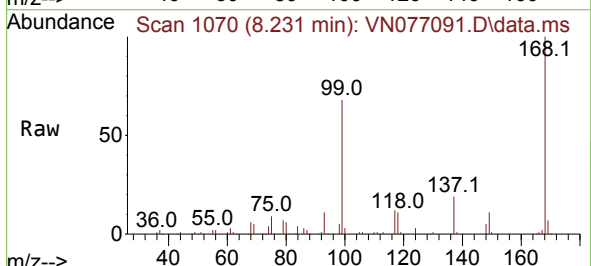
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

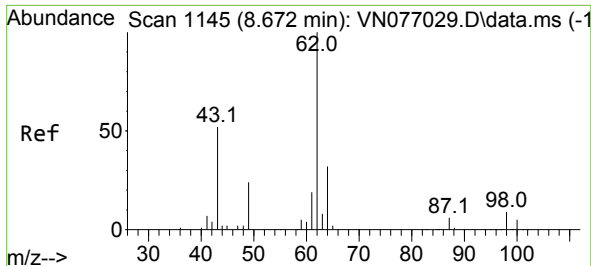
Tgt Ion:	43	Resp:	77536
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.6
70	10.3	8.4	12.6



#38
Carbon Tetrachloride
Concen: 5.751 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion:	117	Resp:	43973
Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.2	117.2#
121	0.0	23.2	34.8#





#42

1,2-Dichloroethane

Concen: 0.259 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.024 min

Lab File: VN077091.D

Acq: 21 Mar 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

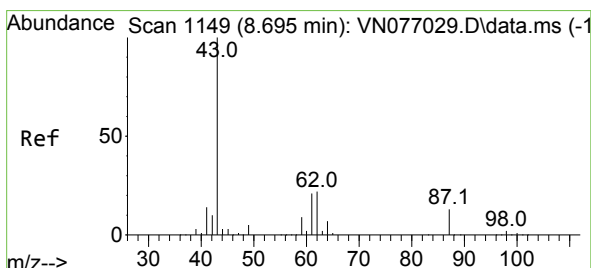
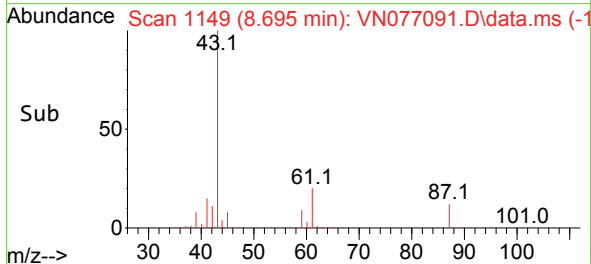
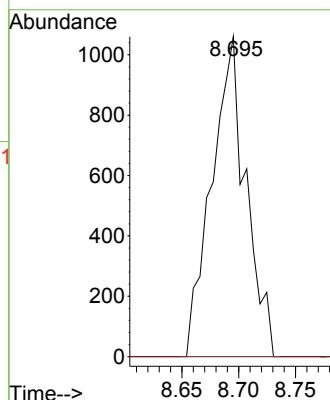
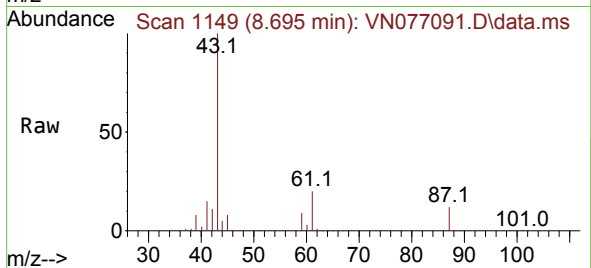
CHAMBER-B-72-WEST

Tgt Ion: 62 Resp: 2228

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.4



#43

Isopropyl Acetate

Concen: 27.951 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077091.D

Acq: 21 Mar 2023 15:29

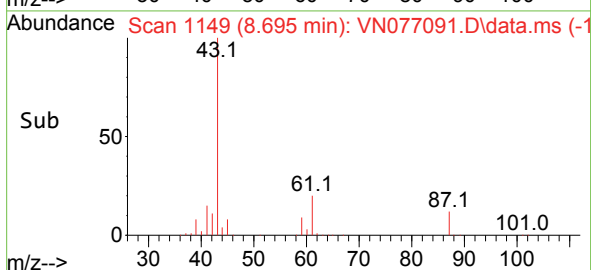
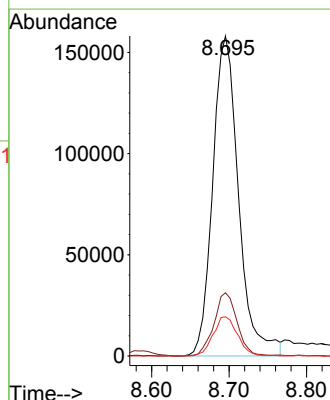
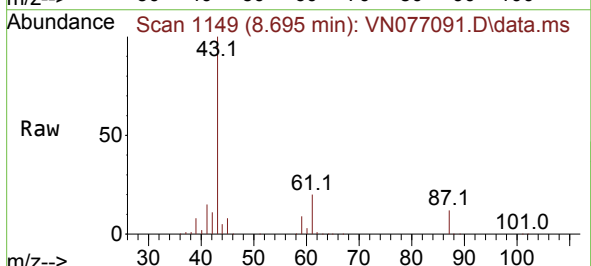
Tgt Ion: 43 Resp: 366704

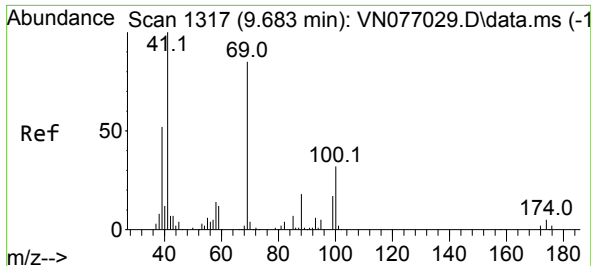
Ion Ratio Lower Upper

43 100

61 17.7 20.6 30.8#

87 11.5 10.0 15.0

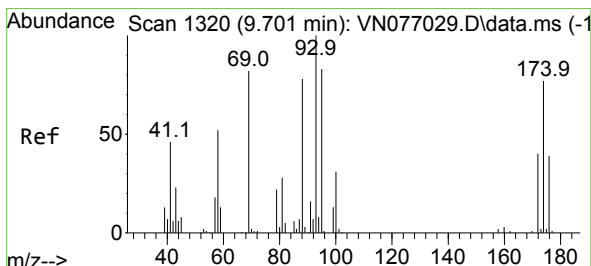
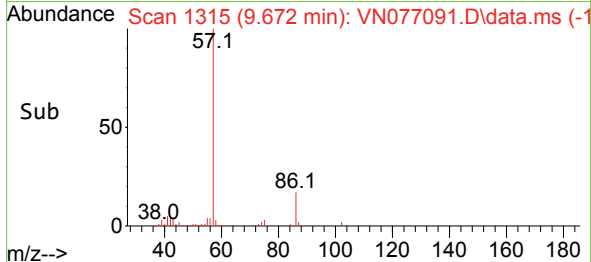
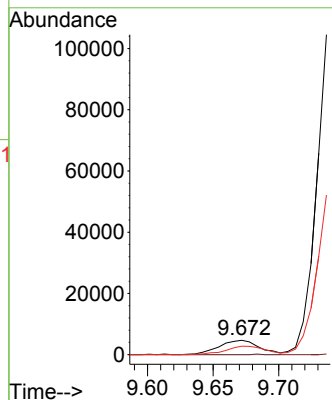
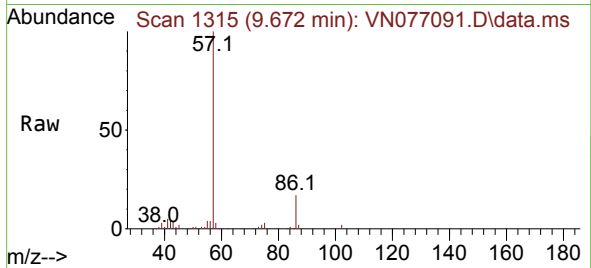




#48
Methyl methacrylate
Concen: 1.603 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

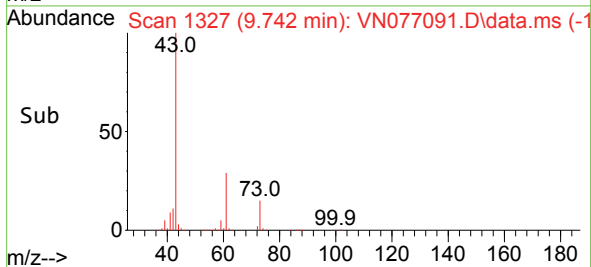
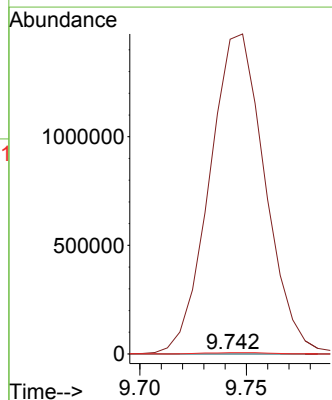
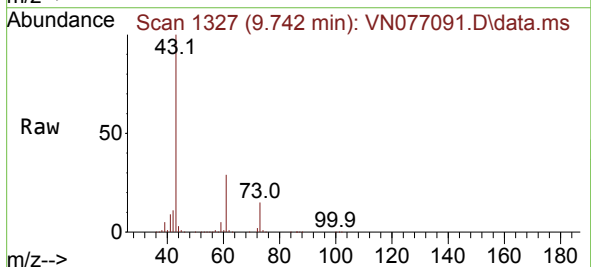
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

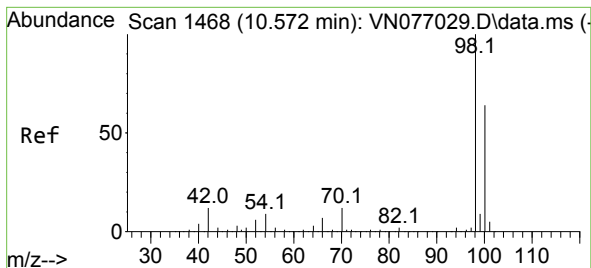
Tgt Ion: 41 Resp: 10055
Ion Ratio Lower Upper
41 100
69 0.7 64.3 96.5#
39 58.1 43.2 64.8



#49
1,4-Dioxane
Concen: 3.006 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.041 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion: 88 Resp: 322
Ion Ratio Lower Upper
88 100
43 836560.2 22.2 33.2#
58 4028.0 60.8 91.2#





#50

Toluene-d8

Concen: 50.312 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VN077091.D

Acq: 21 Mar 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

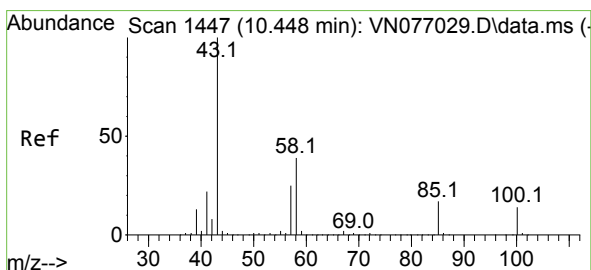
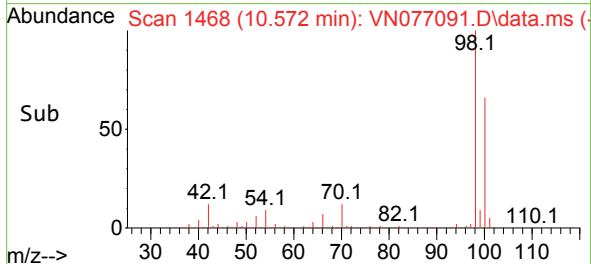
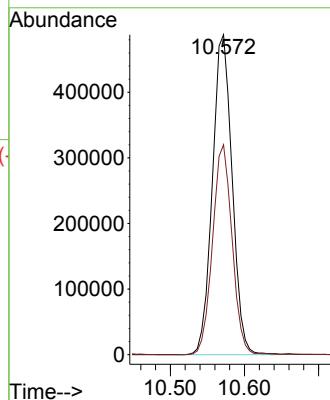
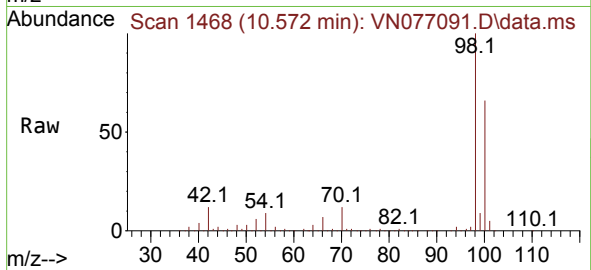
CHAMBER-B-72-WEST

Tgt Ion: 98 Resp: 903180

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 3.272 ug/l

RT: 10.442 min Scan# 1446

Delta R.T. -0.006 min

Lab File: VN077091.D

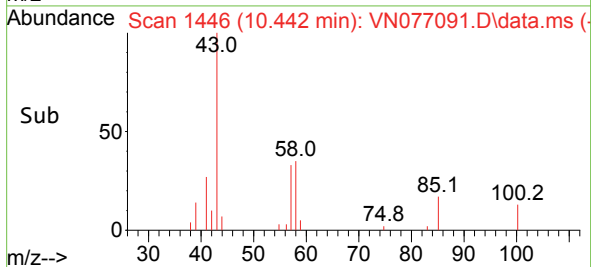
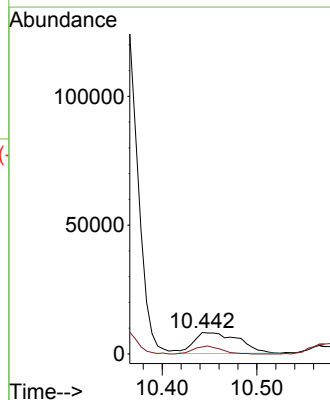
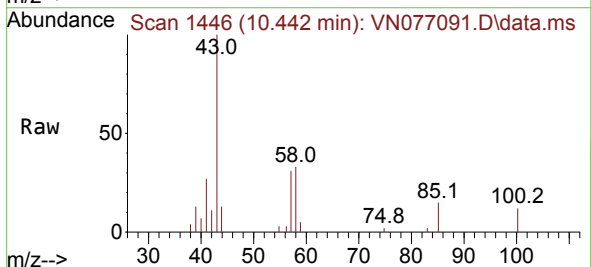
Acq: 21 Mar 2023 15:29

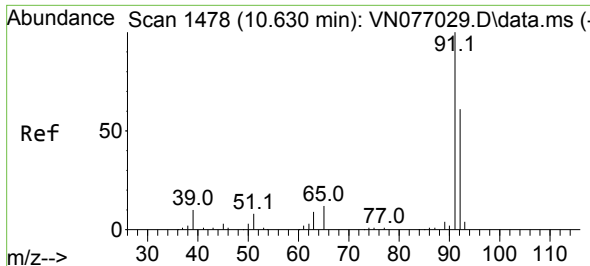
Tgt Ion: 43 Resp: 26732

Ion Ratio Lower Upper

43 100

58 23.0 31.1 46.7#

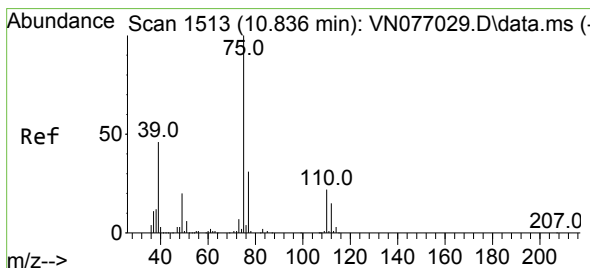
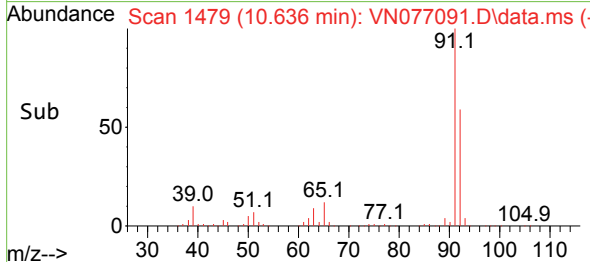
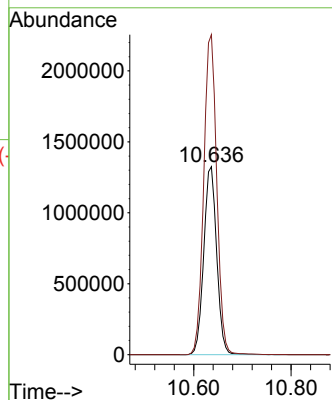
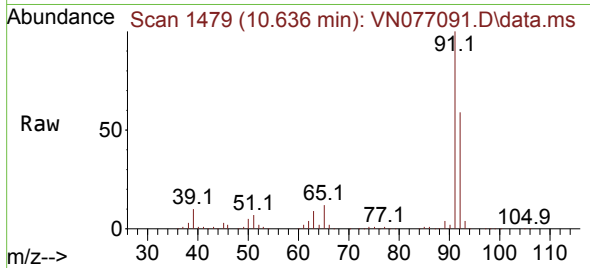




#52
Toluene
Concen: 171.883 ug/l
RT: 10.636 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

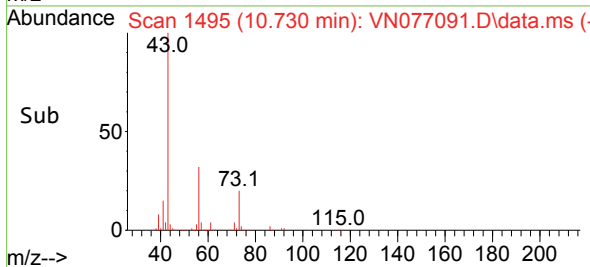
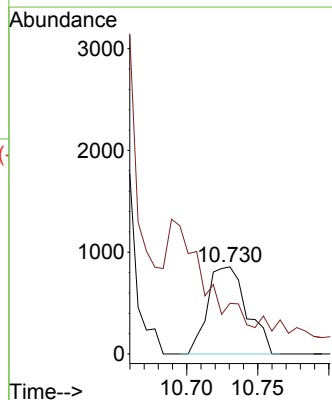
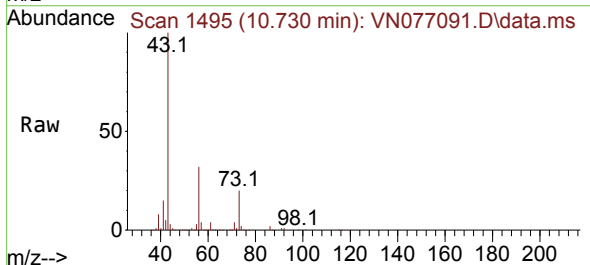
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

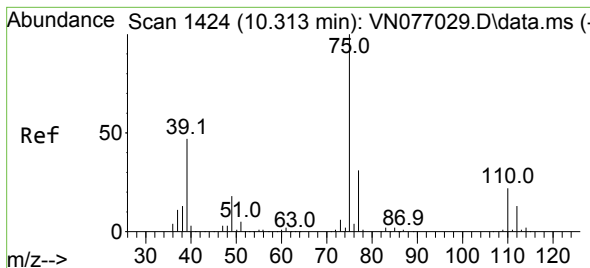
Tgt Ion: 92 Resp: 2443037
Ion Ratio Lower Upper
92 100
91 171.8 135.8 203.8



#53
t-1,3-Dichloropropene
Concen: 0.201 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion: 75 Resp: 1647
Ion Ratio Lower Upper
75 100
77 18.9 25.1 37.7#

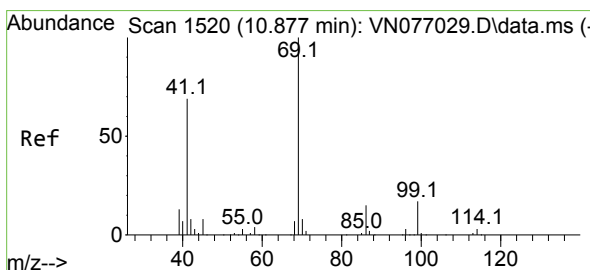
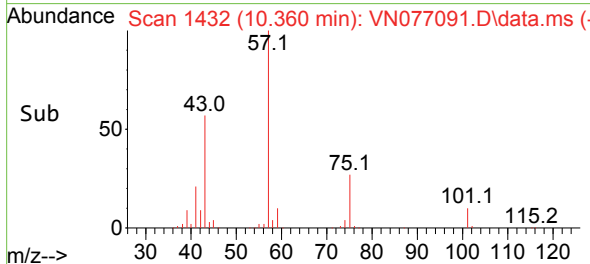
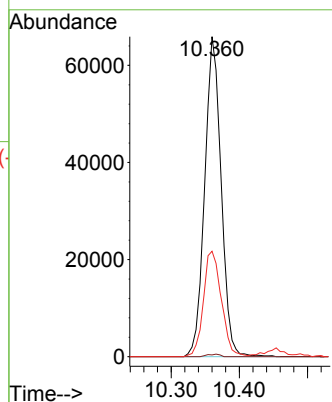
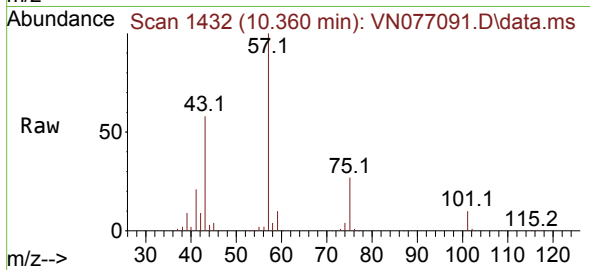




#54
 cis-1,3-Dichloropropene
 Concen: 11.984 ug/l
 RT: 10.360 min Scan# 1424
 Delta R.T. 0.047 min
 Lab File: VN077091.D
 Acq: 21 Mar 2023 15:29

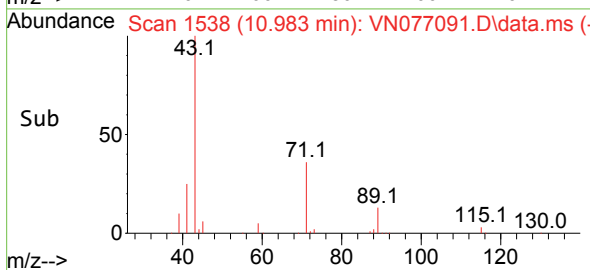
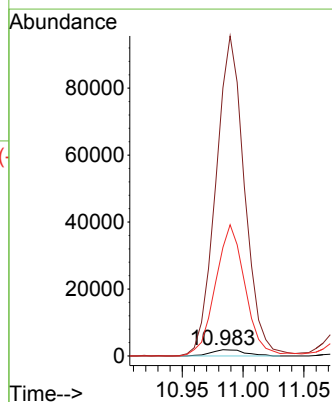
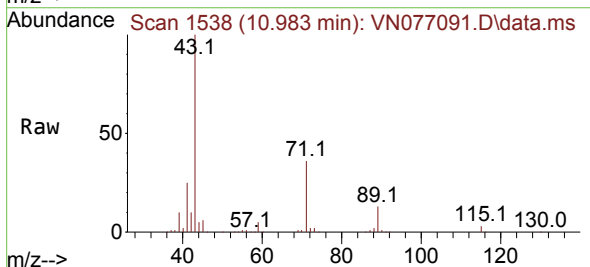
Instrument :
 MSVOA_N
 ClientSampleId :
 CHAMBER-B-72-WEST

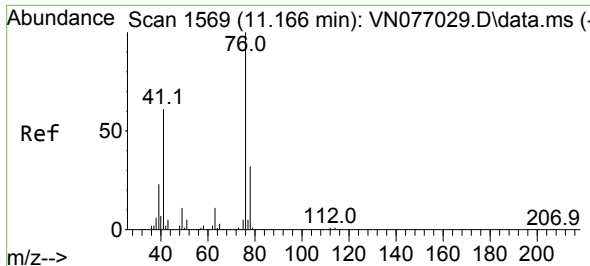
Tgt Ion: 75 Resp: 110833
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.5 36.7#
 39 32.9 37.8 56.6#



#56
 Ethyl methacrylate
 Concen: 0.429 ug/l
 RT: 10.983 min Scan# 1538
 Delta R.T. 0.106 min
 Lab File: VN077091.D
 Acq: 21 Mar 2023 15:29

Tgt Ion: 69 Resp: 3616
 Ion Ratio Lower Upper
 69 100
 41 4359.1 54.9 82.3#
 39 1853.2 26.6 40.0#





#57

1,3-Dichloropropane

Concen: 1.227 ug/l

RT: 11.207 min Scan# 1576

Delta R.T. 0.041 min

Lab File: VN077091.D

Acq: 21 Mar 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

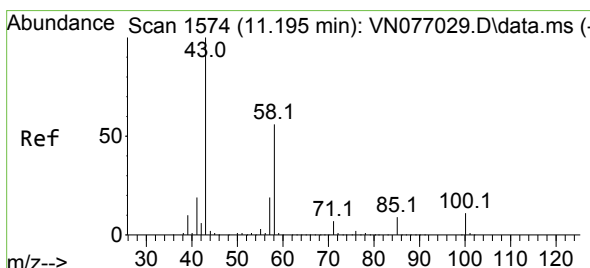
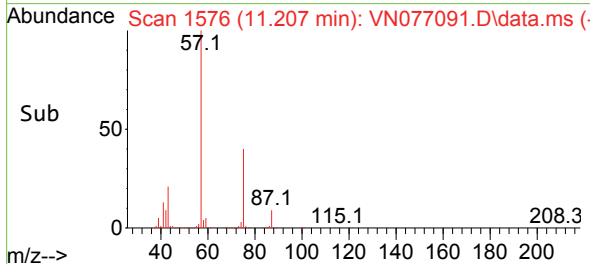
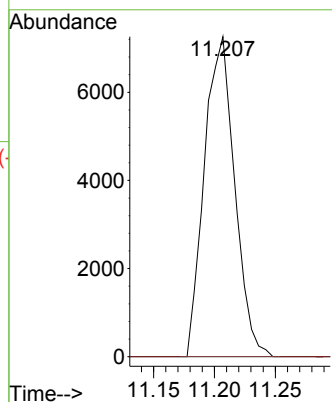
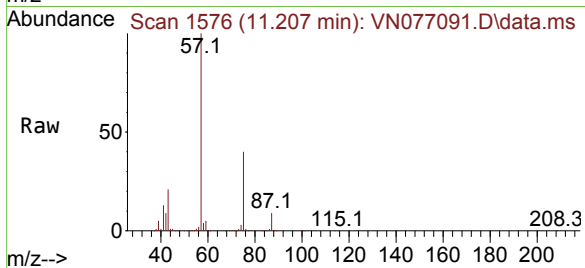
CHAMBER-B-72-WEST

Tgt Ion: 76 Resp: 12589

Ion Ratio Lower Upper

76 100

78 0.0 25.3 37.9#



#59

2-Hexanone

Concen: 49.217 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.023 min

Lab File: VN077091.D

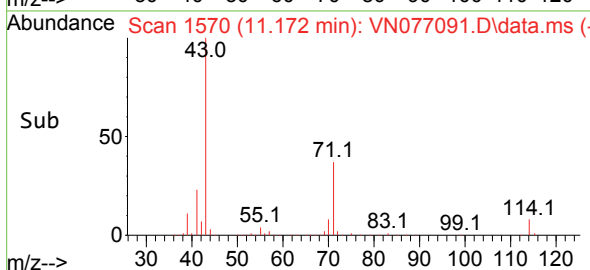
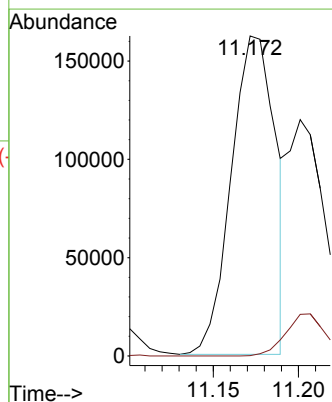
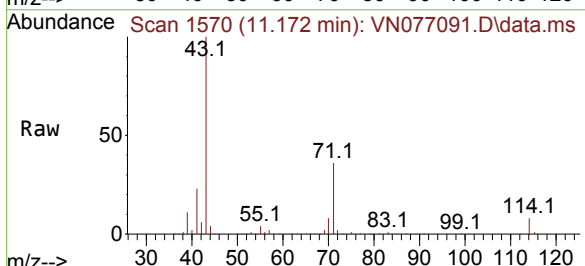
Acq: 21 Mar 2023 15:29

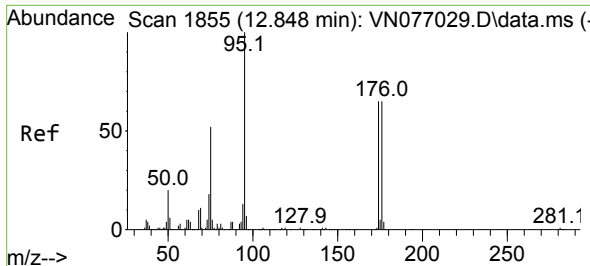
Tgt Ion: 43 Resp: 291638

Ion Ratio Lower Upper

43 100

58 0.0 27.7 83.1#

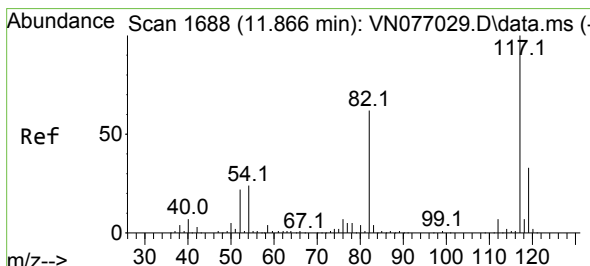
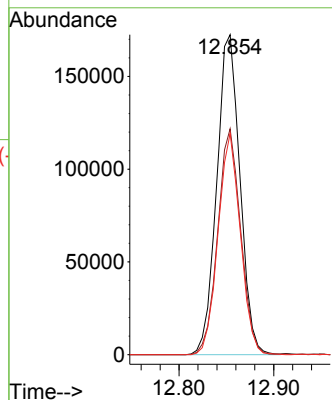
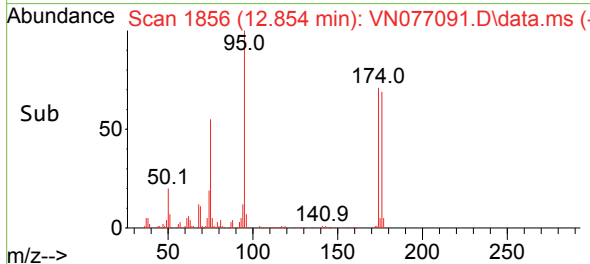
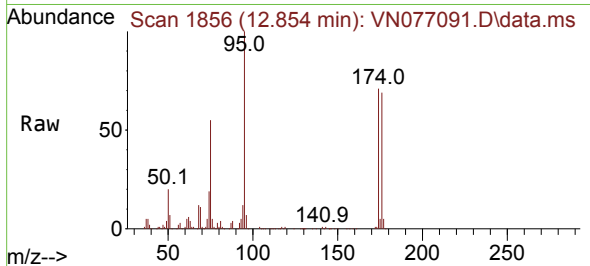




#62
4-Bromofluorobenzene
Concen: 46.372 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

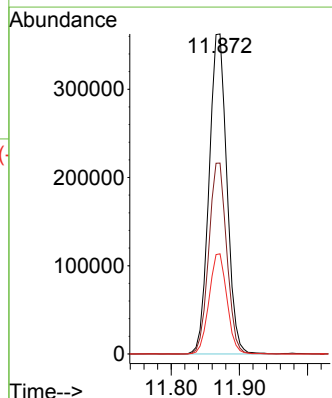
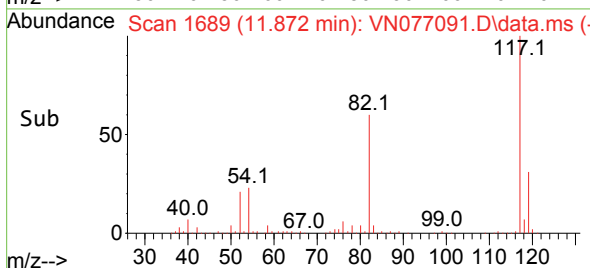
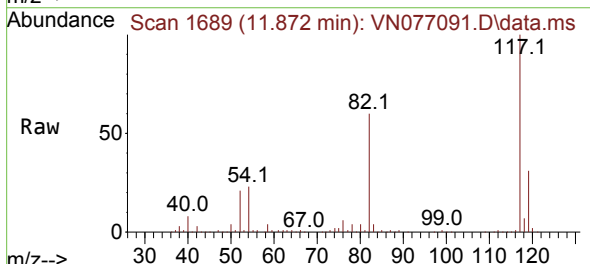
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

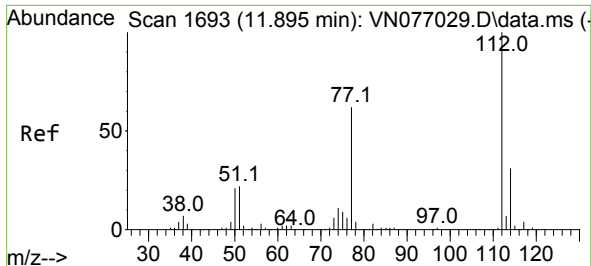
Tgt Ion: 95 Resp: 294159
Ion Ratio Lower Upper
95 100
174 69.7 0.0 136.6
176 66.2 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion: 117 Resp: 660054
Ion Ratio Lower Upper
117 100
82 59.6 49.4 74.0
119 31.3 26.5 39.7

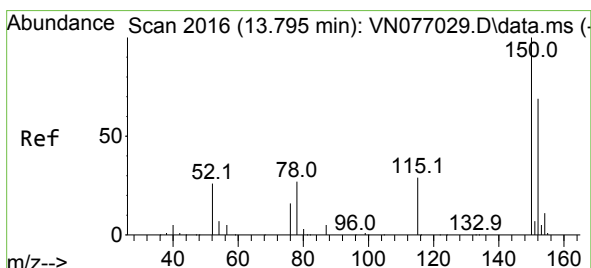
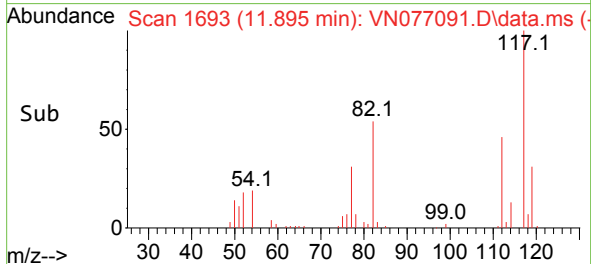
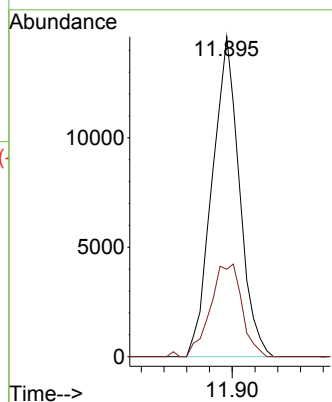
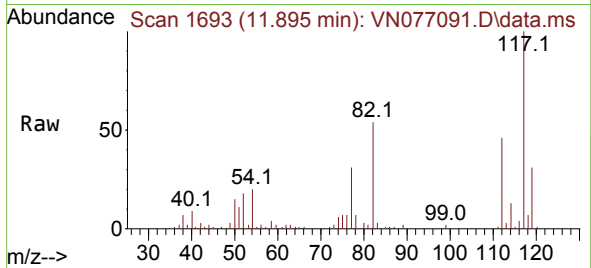




#65
Chlorobenzene
Concen: 1.600 ug/l
RT: 11.895 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

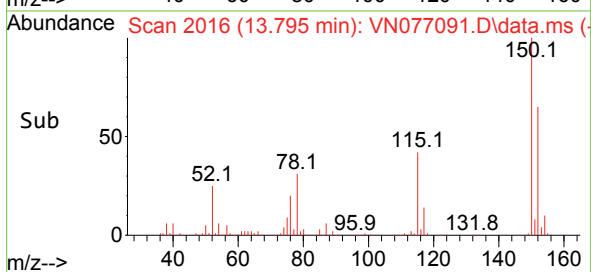
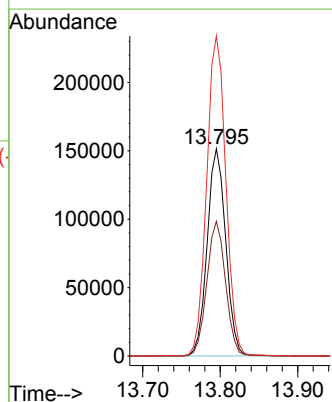
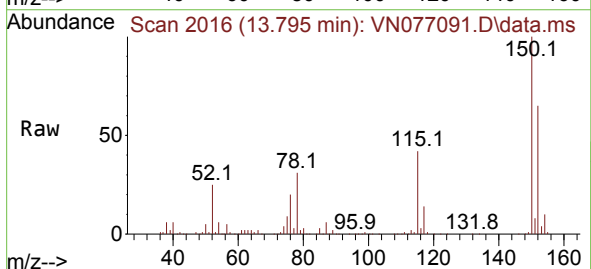
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

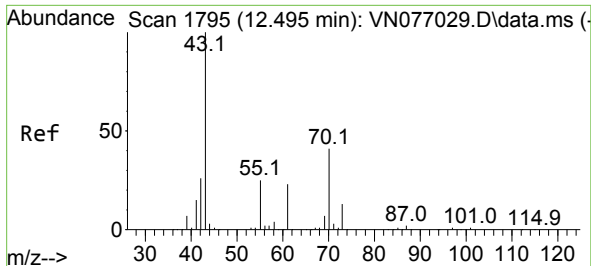
Tgt Ion:112 Resp: 24301
Ion Ratio Lower Upper
112 100
114 27.3 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion:152 Resp: 251959
Ion Ratio Lower Upper
152 100
115 65.5 31.9 95.7
150 159.5 0.0 348.0

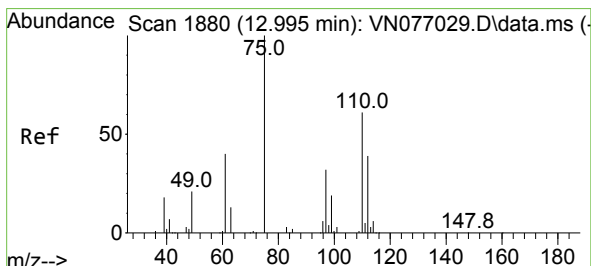
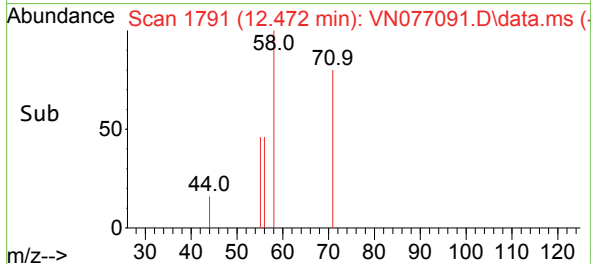
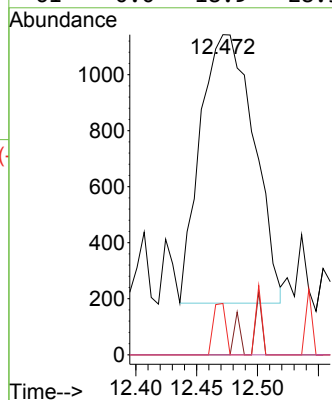
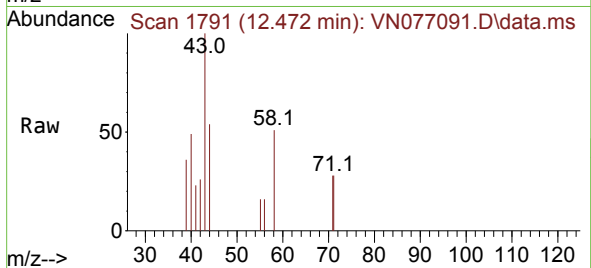




#74
N-amy1 acetate
Concen: 0.300 ug/l
RT: 12.472 min Scan# 1791
Delta R.T. -0.023 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

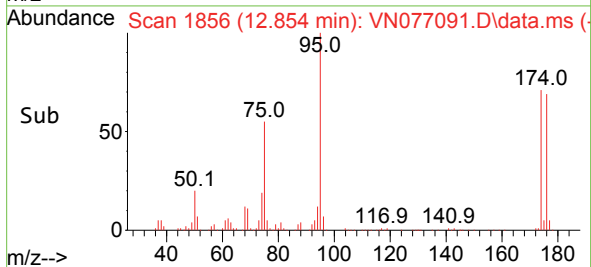
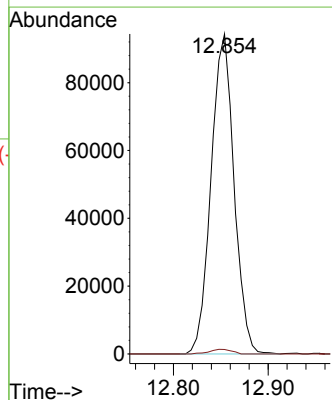
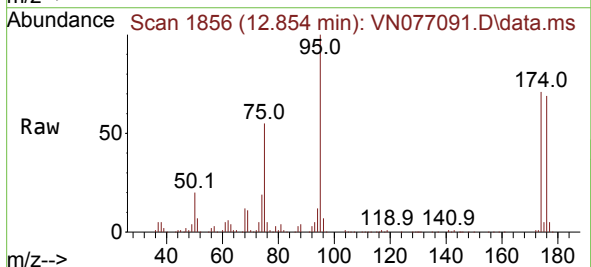
Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

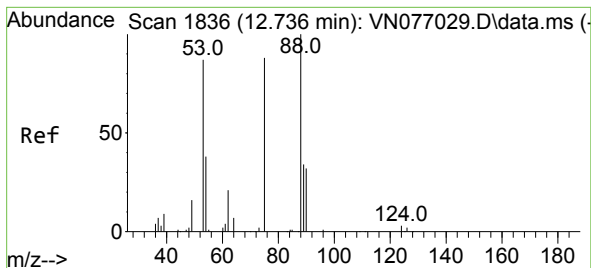
Tgt Ion: 43	Resp: 2931
Ion Ratio	Lower Upper
43 100	
70 1.8	33.6 50.4#
55 4.4	20.3 30.5#
61 0.0	18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 24.384 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion: 75	Resp: 158916
Ion Ratio	Lower Upper
75 100	
77 1.4	107.3 322.0#

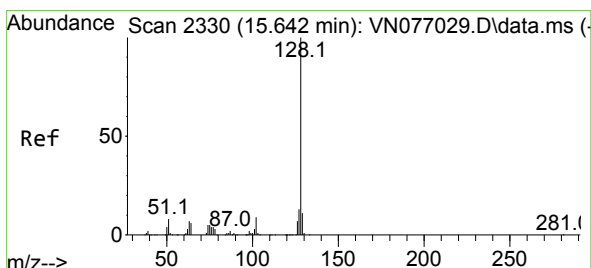
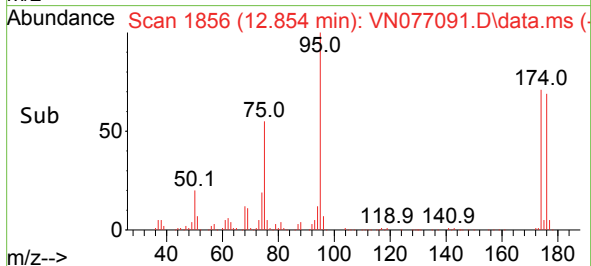
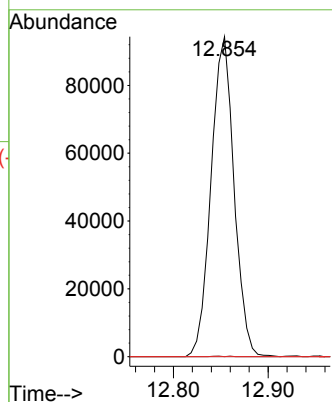
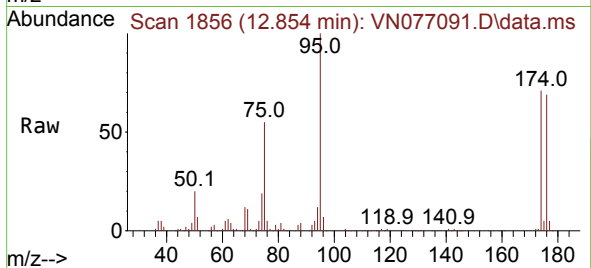




#81
trans-1,4-Dichloro-2-butene
Concen: 67.118 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Instrument :
MSVOA_N
ClientSampleId :
CHAMBER-B-72-WEST

Tgt Ion: 75 Resp: 158916
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 2.285 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN077091.D
Acq: 21 Mar 2023 15:29

Tgt Ion:128 Resp: 6495
Ion Ratio Lower Upper
128 100
127 15.3 10.0 15.0#
129 12.8 8.6 13.0

