

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110222\
 Data File : VX032541.D
 Acq On : 02 Nov 2022 16:26
 Operator : JC/MD
 Sample : N4955-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2022

Quant Time: Nov 03 03:14:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

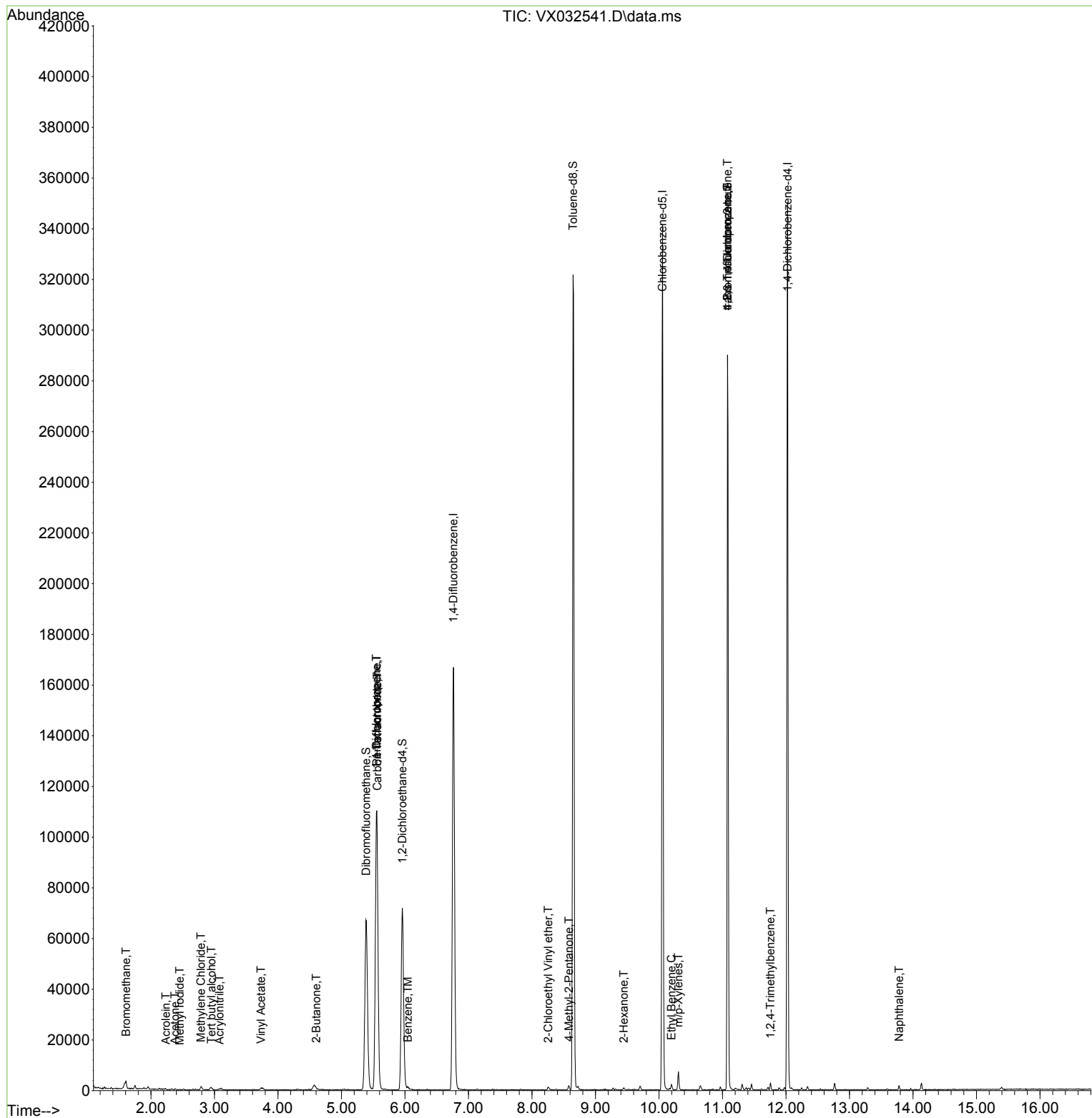
Internal Standards						
1) Pentafluorobenzene	5.556	168	105520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	168022	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	148275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71102	48.495	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.980%		
35) Dibromofluoromethane	5.385	113	57774	48.205	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.400%		
50) Toluene-d8	8.647	98	193540	46.440	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.880%		
62) 4-Bromofluorobenzene	11.079	95	71861	44.143	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.280%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	226	0.250	ug/l #	52
10) Methyl Iodide	2.453	142	79	1.977	ug/l #	37
11) Tert butyl alcohol	2.953	59	708	3.318	ug/l #	72
13) Acrolein	2.233	56	186	0.873	ug/l #	3
15) Acrylonitrile	3.081	53	345	0.596	ug/l #	80
16) Acetone	2.380	43	465	0.873	ug/l	96
20) Methylene Chloride	2.788	84	704	0.576	ug/l #	85
23) Vinyl Acetate	3.733	43	1612	0.547	ug/l #	75
25) 2-Butanone	4.605	43	582	0.705	ug/l #	47
36) 1,1-Dichloropropene	5.550	75	8057	4.827	ug/l #	49
38) Carbon Tetrachloride	5.562	117	10827	5.849	ug/l #	14
40) Benzene	6.044	78	1174	0.249	ug/l #	89
51) 4-Methyl-2-Pentanone	8.580	43	962	0.573	ug/l #	87
58) 2-Chloroethyl Vinyl ether	8.257	63	674	0.750	ug/l #	77
59) 2-Hexanone	9.446	43	740	0.594	ug/l	76
67) Ethyl Benzene	10.195	91	1560	0.263	ug/l #	85
68) m/p-Xylenes	10.305	106	1541	0.668	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	39284	25.094	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39284	79.849	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	1371	0.289	ug/l	99
95) Naphthalene	13.780	128	1217	0.220	ug/l #	90

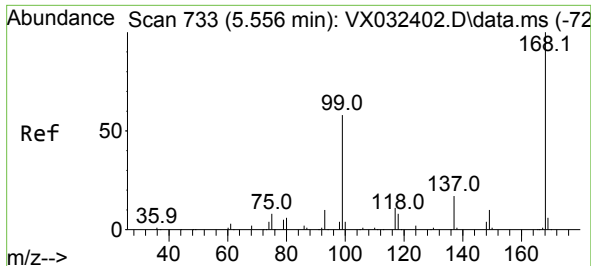
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110222\
Data File : VX032541.D
Acq On : 02 Nov 2022 16:26
Operator : JC/MD
Sample : N4955-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

Quant Time: Nov 03 03:14:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 08:28:06 2022
Response via : Initial Calibration

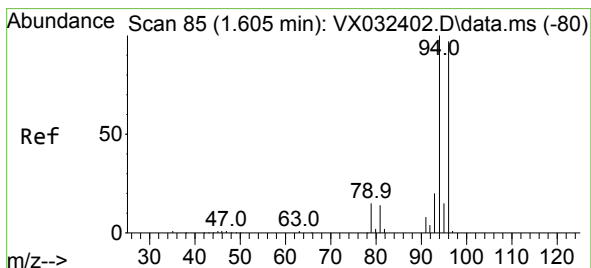
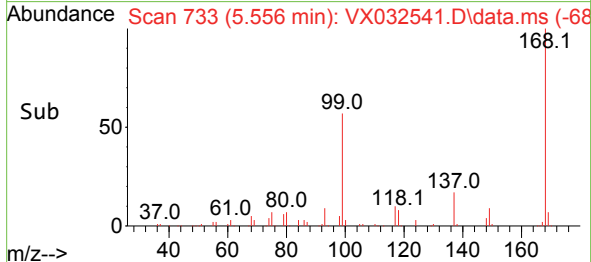
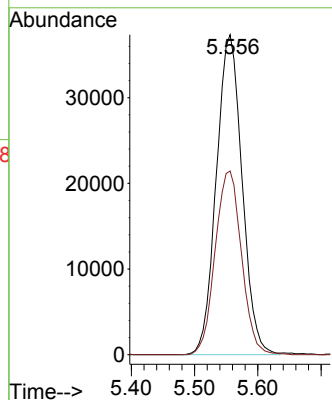
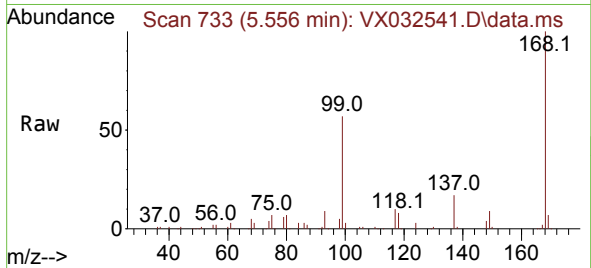




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

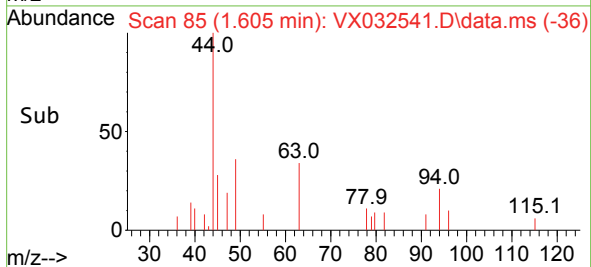
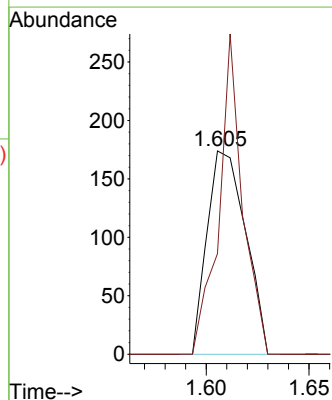
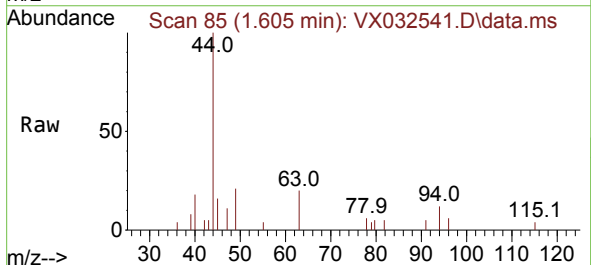
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

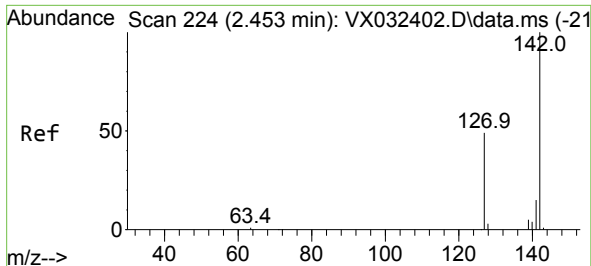
Tgt Ion:168 Resp: 105520
Ion Ratio Lower Upper
168 100
99 57.4 46.1 69.1



#5
Bromomethane
Concen: 0.250 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.000 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

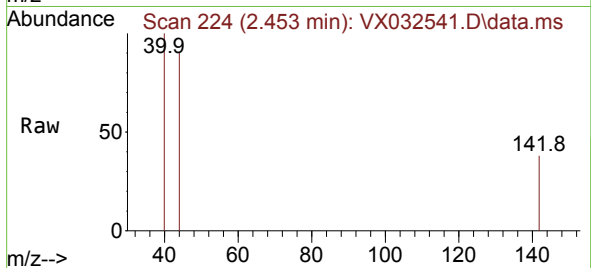
Tgt Ion: 94 Resp: 226
Ion Ratio Lower Upper
94 100
96 49.4 77.6 116.4#



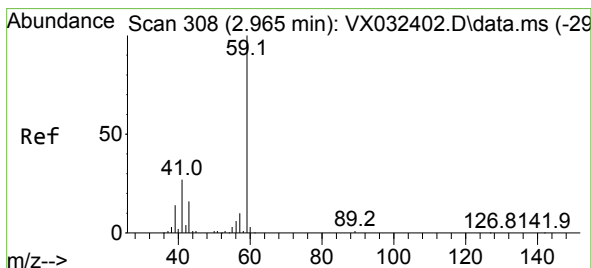
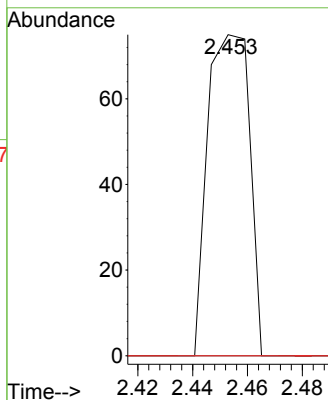
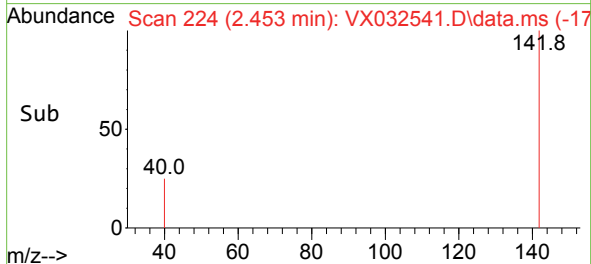


#10
Methyl Iodide
Concen: 1.977 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

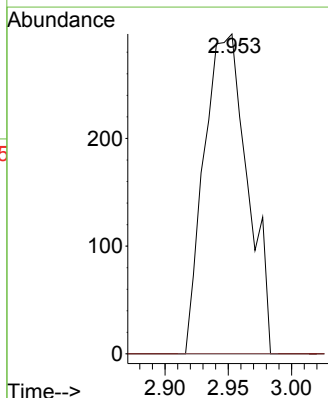
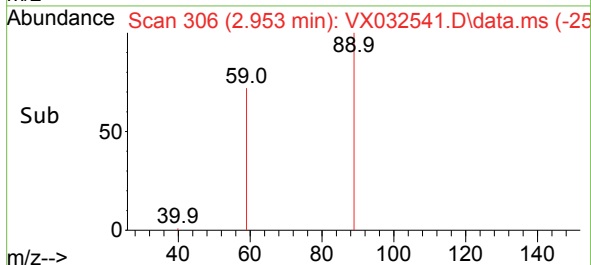
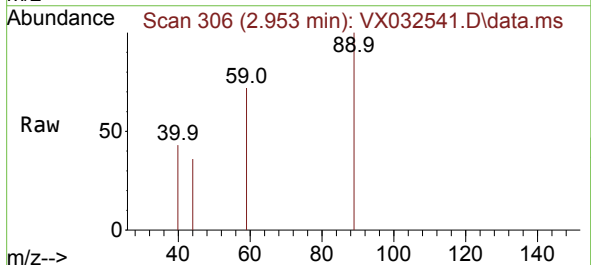


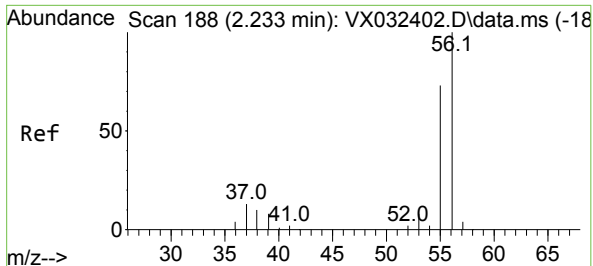
Tgt Ion:142 Resp: 79
Ion Ratio Lower Upper
142 100
127 0.0 38.6 57.8#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 3.318 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

Tgt Ion: 59 Resp: 708
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.873 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX032541.D

Acq: 02 Nov 2022 16:26

Instrument :

MSVOA_X

ClientSampleId :

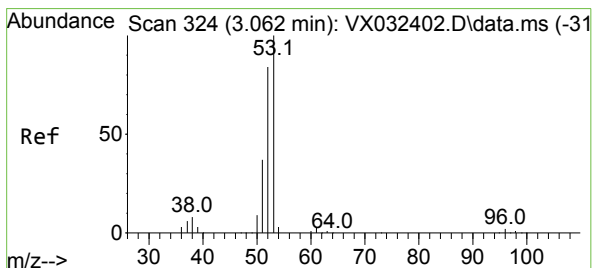
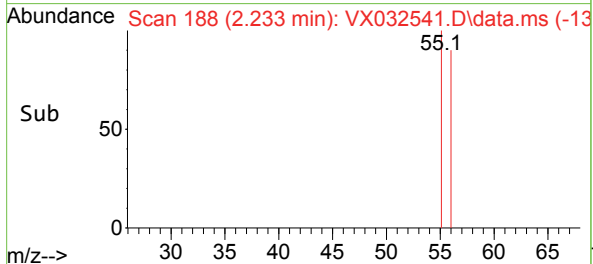
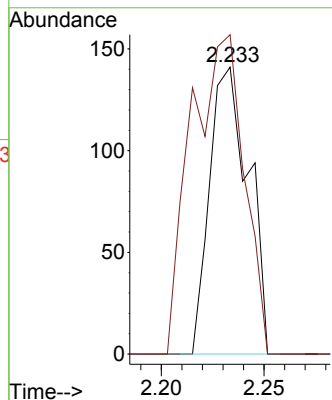
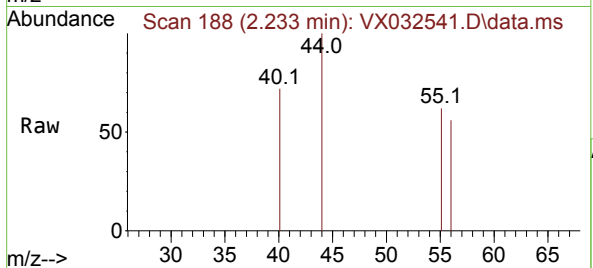
MDL-WATER-03-QT4-2022

Tgt Ion: 56 Resp: 186

Ion Ratio Lower Upper

56 100

55 151.1 56.9 85.3#



#15

Acrylonitrile

Concen: 0.596 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.018 min

Lab File: VX032541.D

Acq: 02 Nov 2022 16:26

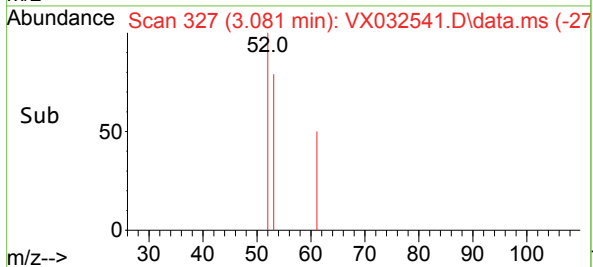
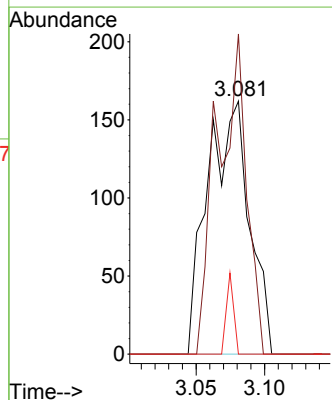
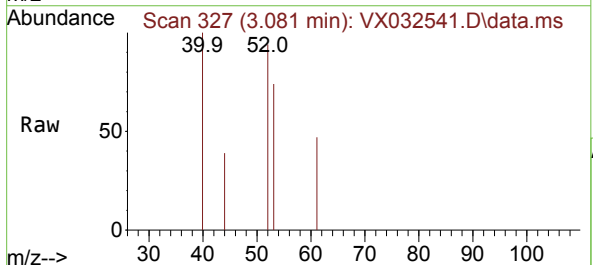
Tgt Ion: 53 Resp: 345

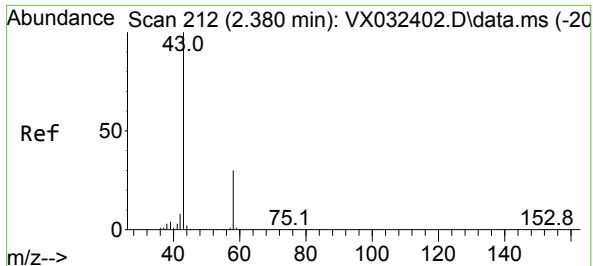
Ion Ratio Lower Upper

53 100

52 88.1 67.4 101.0

51 5.5 30.3 45.5#

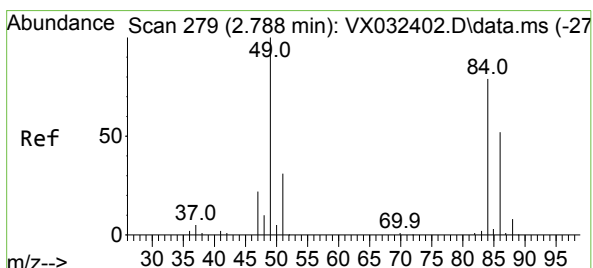
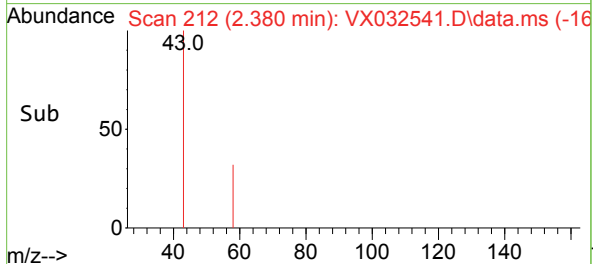
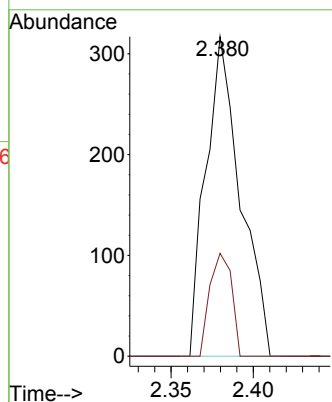
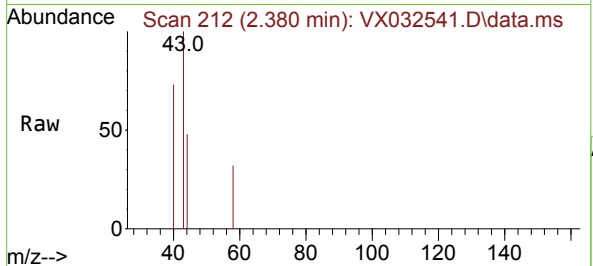




#16
Acetone
Concen: 0.873 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

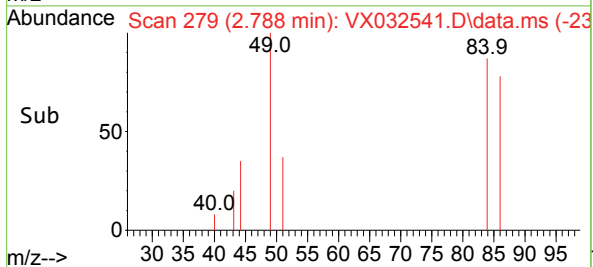
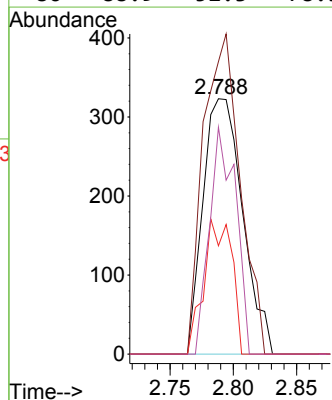
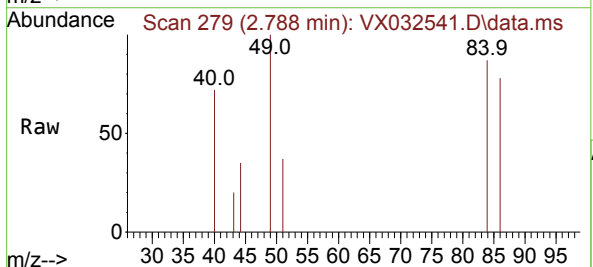
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

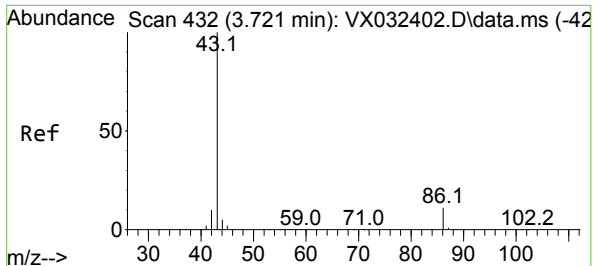
Tgt Ion: 43 Resp: 465
Ion Ratio Lower Upper
43 100
58 32.2 23.8 35.8



#20
Methylene Chloride
Concen: 0.576 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

Tgt Ion: 84 Resp: 704
Ion Ratio Lower Upper
84 100
49 114.6 101.0 151.6
51 42.4 31.1 46.7
86 88.9 52.3 78.5#

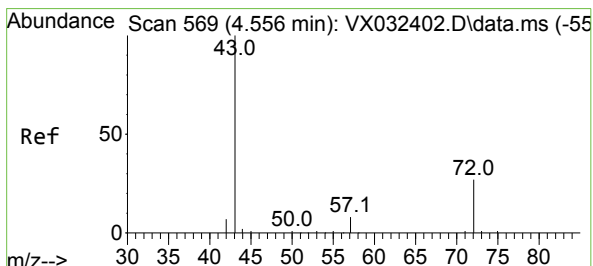
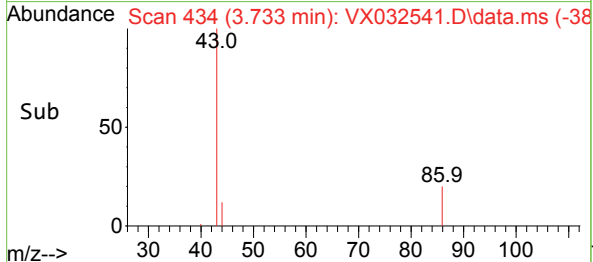
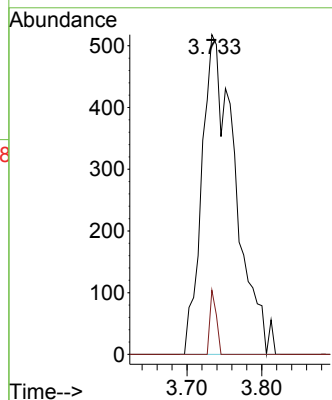
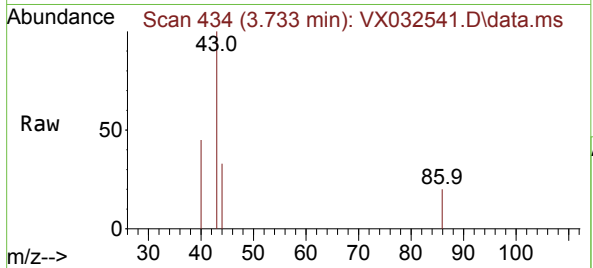




#23
 Vinyl Acetate
 Concen: 0.547 ug/l
 RT: 3.733 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: VX032541.D
 Acq: 02 Nov 2022 16:26

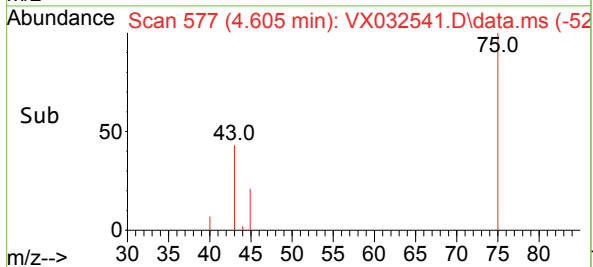
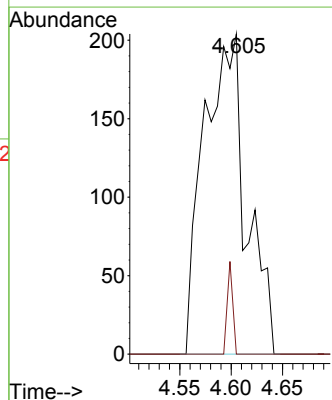
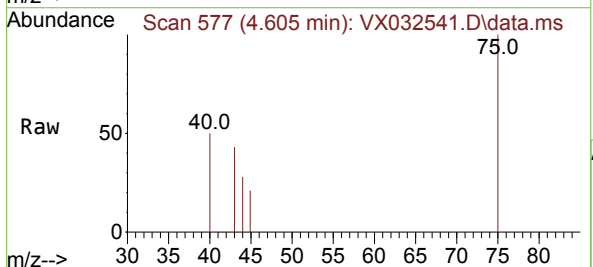
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2022

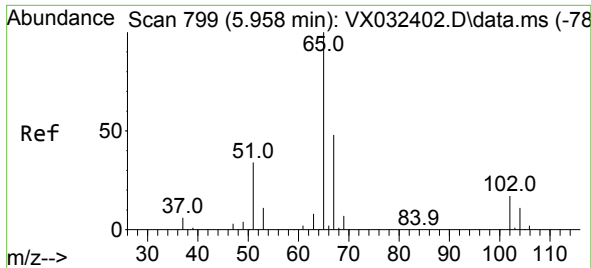
Tgt Ion: 43 Resp: 1612
 Ion Ratio Lower Upper
 43 100
 86 20.1 8.6 12.8#



#25
 2-Butanone
 Concen: 0.705 ug/l
 RT: 4.605 min Scan# 577
 Delta R.T. 0.049 min
 Lab File: VX032541.D
 Acq: 02 Nov 2022 16:26

Tgt Ion: 43 Resp: 582
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.2 33.2#

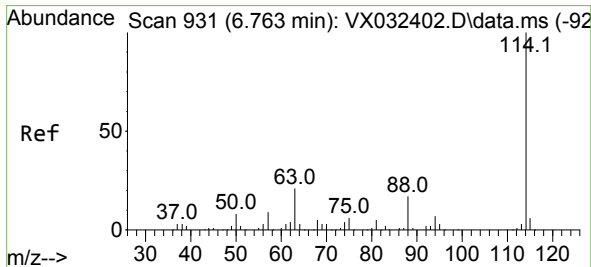
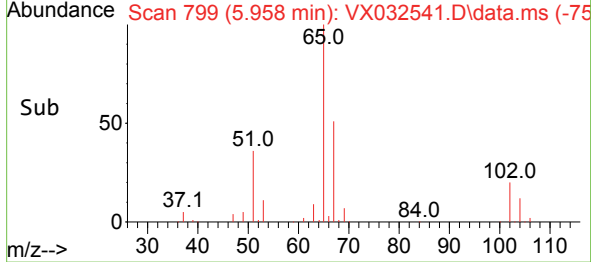
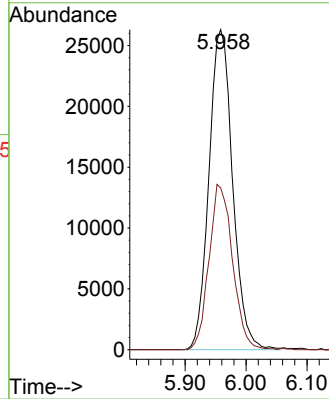
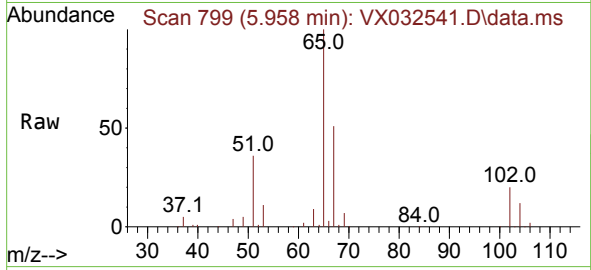




#33
1,2-Dichloroethane-d4
Concen: 48.495 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

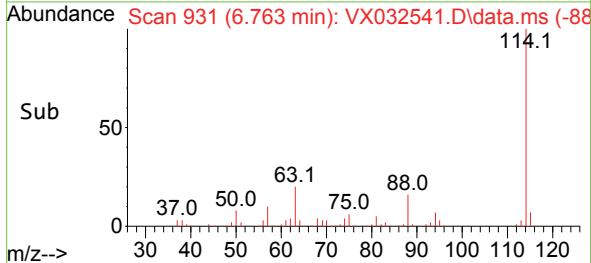
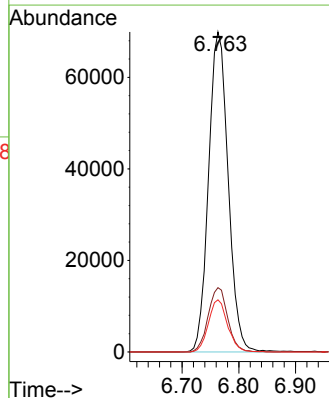
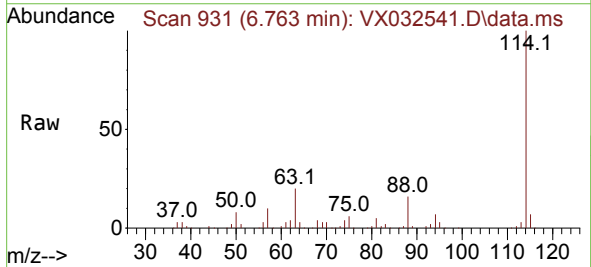
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

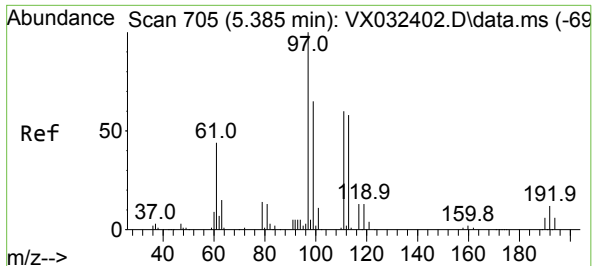
Tgt Ion: 65 Resp: 71102
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

Tgt Ion: 114 Resp: 168022
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.6
88 16.3 0.0 33.4

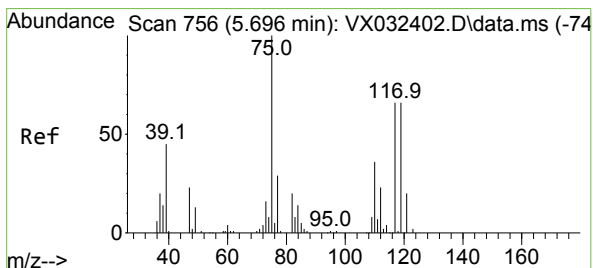
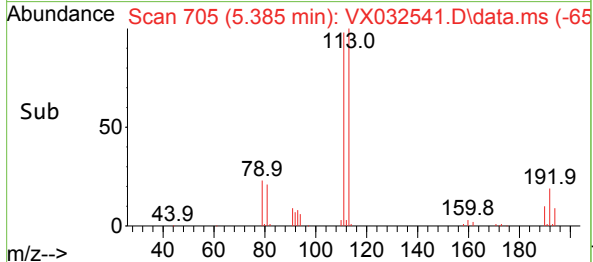
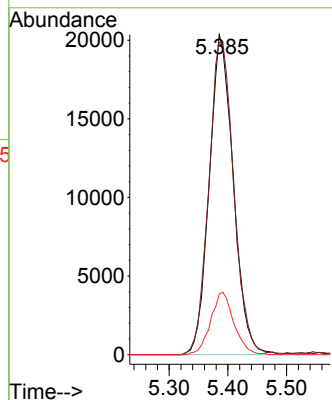
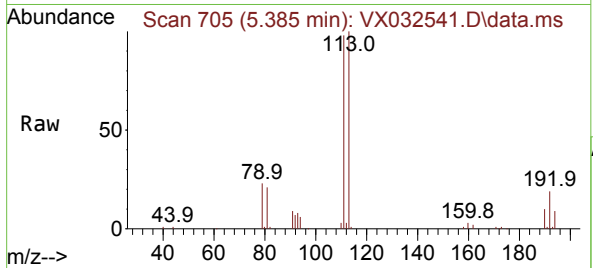




#35
Dibromofluoromethane
Concen: 48.205 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

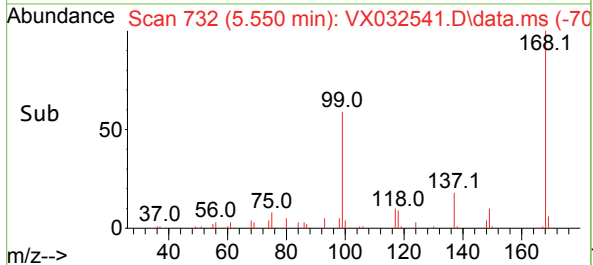
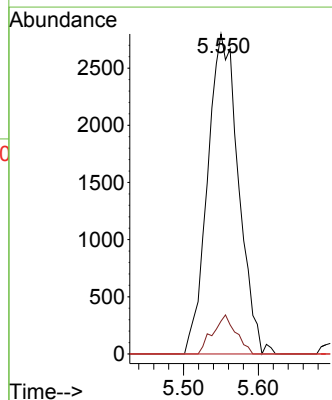
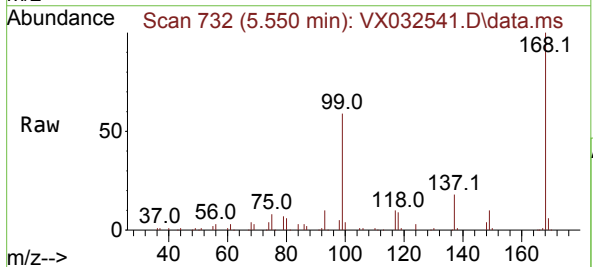
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

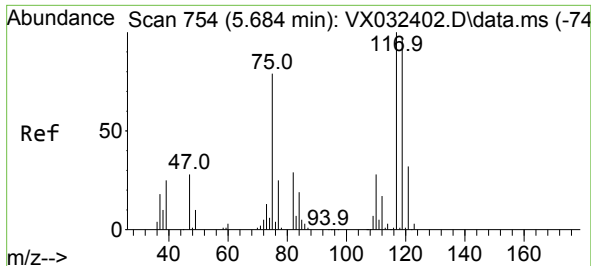
Tgt Ion:113 Resp: 57774
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 19.0 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.827 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

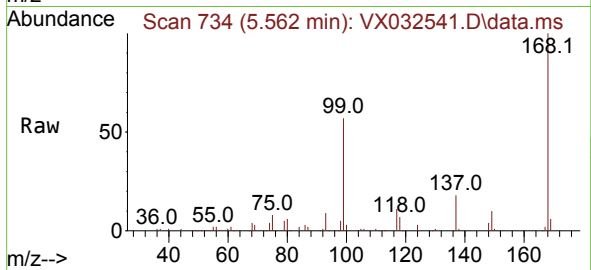
Tgt Ion: 75 Resp: 8057
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.5 36.7#



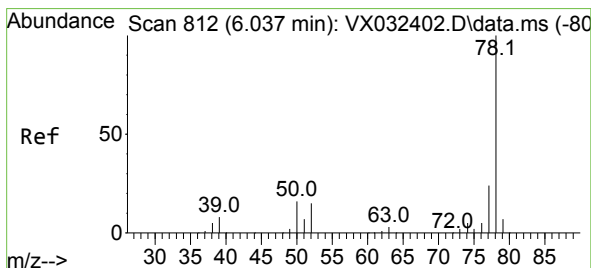
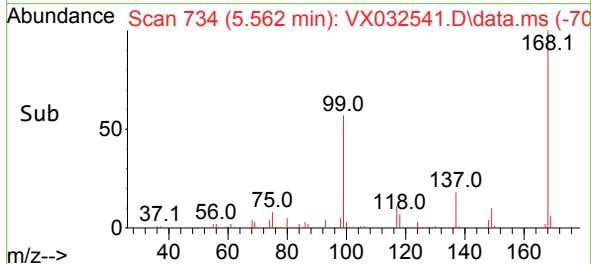
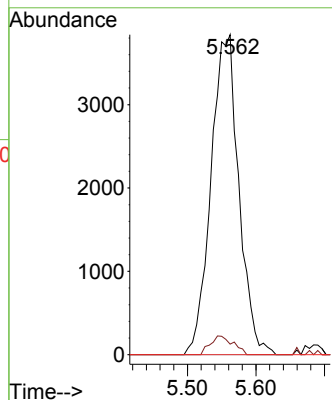


#38
Carbon Tetrachloride
Concen: 5.849 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

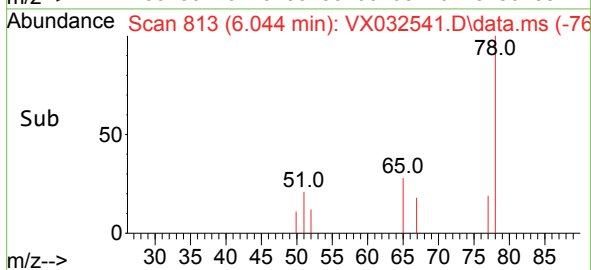
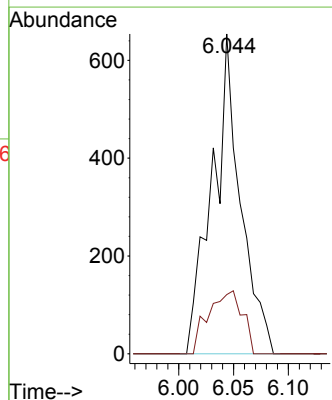
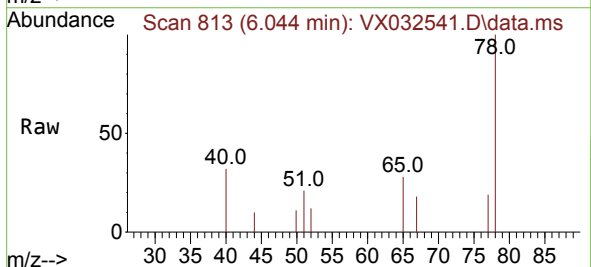


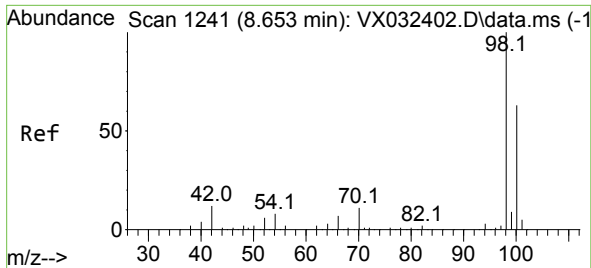
Tgt Ion:117 Resp: 10827
Ion Ratio Lower Upper
117 100
119 3.3 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 0.249 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

Tgt Ion: 78 Resp: 1174
Ion Ratio Lower Upper
78 100
77 18.5 19.0 28.4#

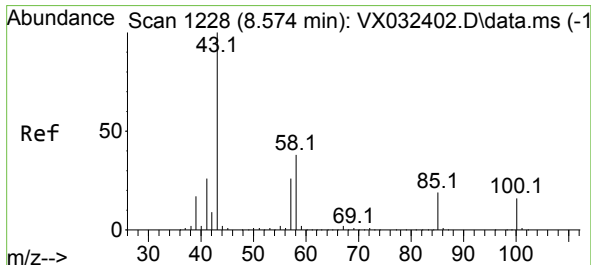
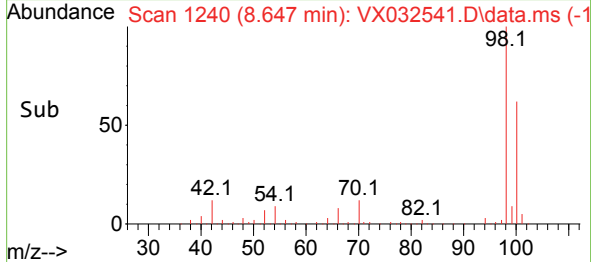
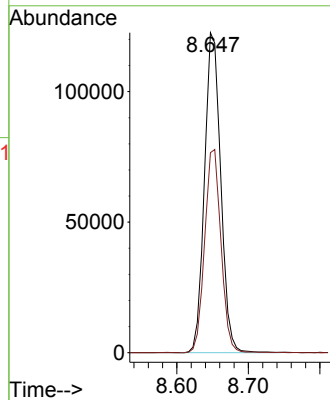
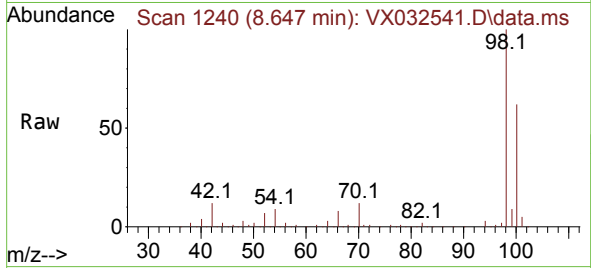




#50
Toluene-d8
Concen: 46.440 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

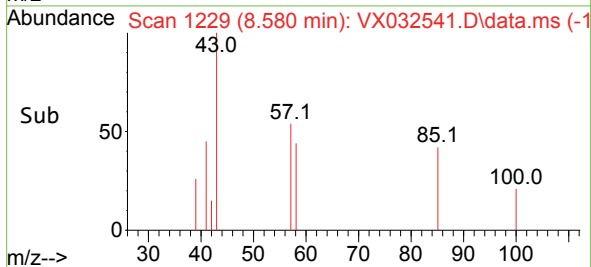
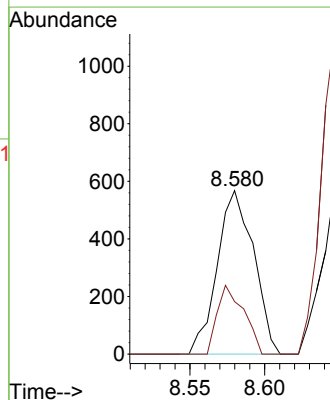
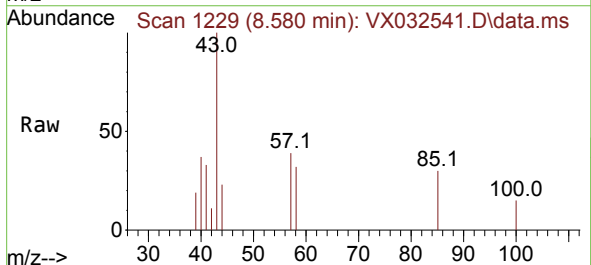
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

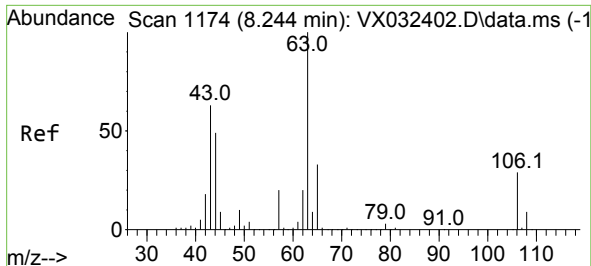
Tgt Ion: 98 Resp: 193540
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.573 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
58 30.5 30.9 46.3#





#58

2-Chloroethyl Vinyl ether

Concen: 0.750 ug/l

RT: 8.257 min Scan# 1176

Delta R.T. 0.012 min

Lab File: VX032541.D

Acq: 02 Nov 2022 16:26

Instrument :

MSVOA_X

ClientSampleId :

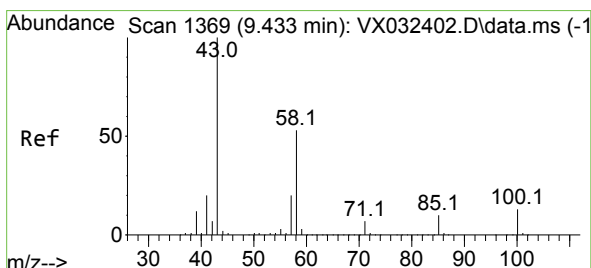
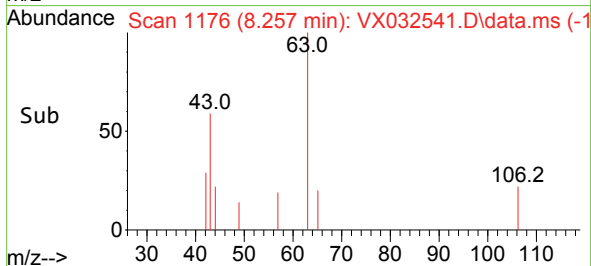
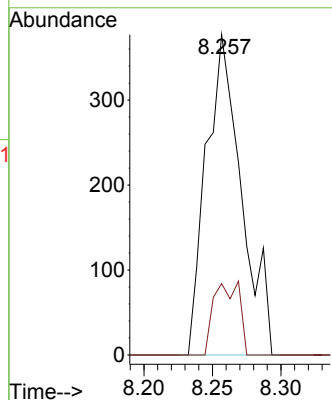
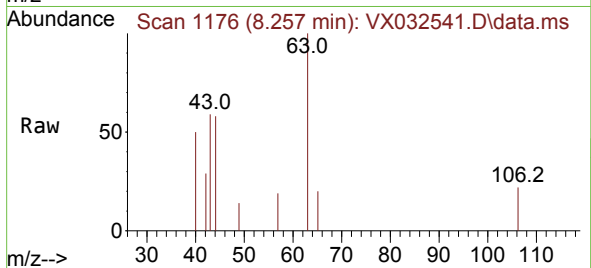
MDL-WATER-03-QT4-2022

Tgt Ion: 63 Resp: 674

Ion Ratio Lower Upper

63 100

106 16.6 23.3 34.9#



#59

2-Hexanone

Concen: 0.594 ug/l

RT: 9.446 min Scan# 1371

Delta R.T. 0.012 min

Lab File: VX032541.D

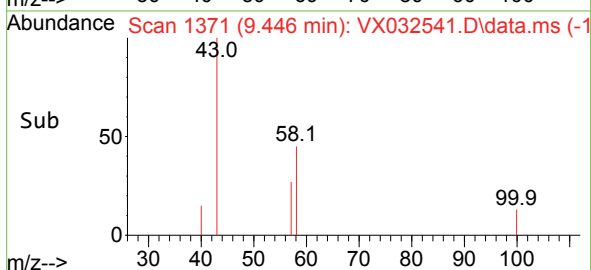
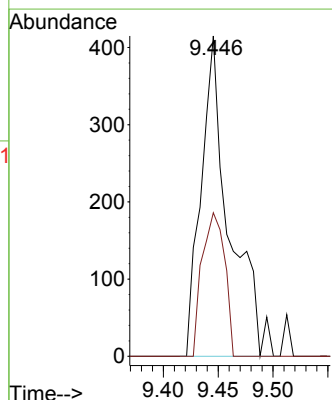
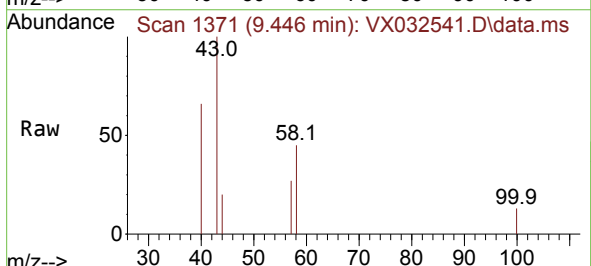
Acq: 02 Nov 2022 16:26

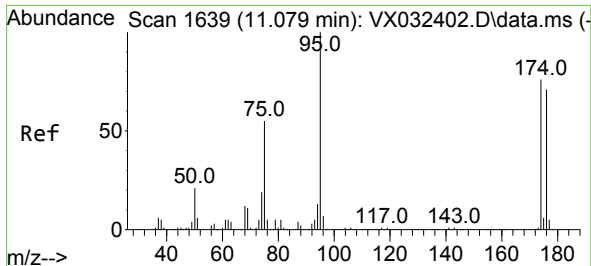
Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

43 100

58 36.1 26.5 79.5

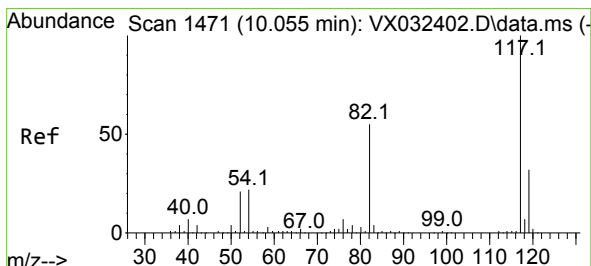
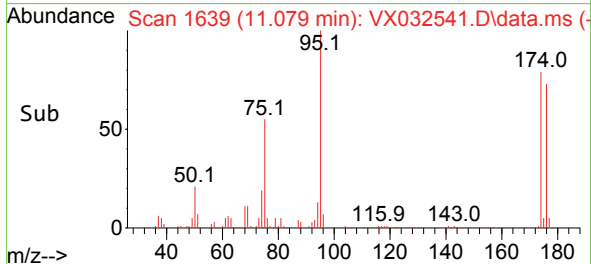
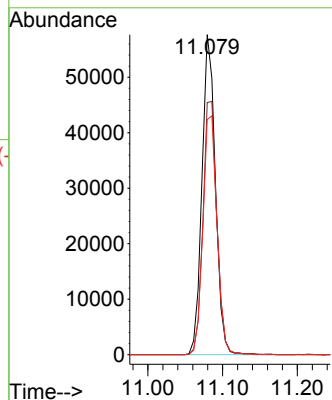
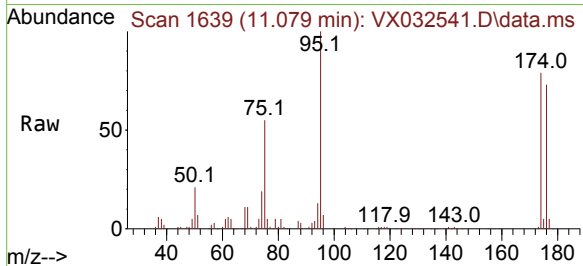




#62
4-Bromofluorobenzene
Concen: 44.143 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

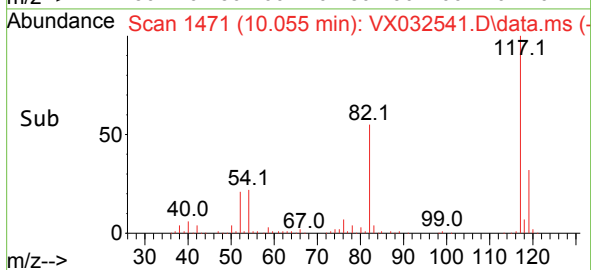
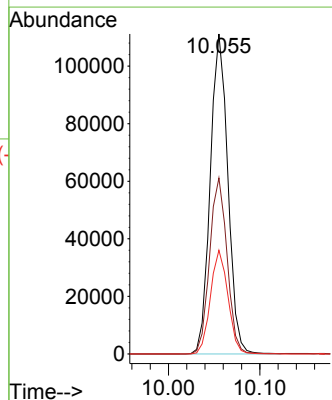
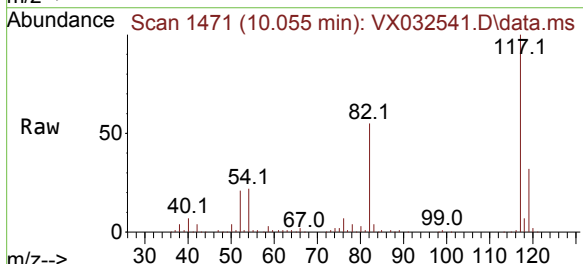
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

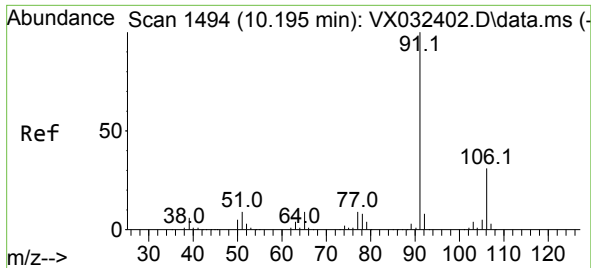
Tgt Ion:	95	Resp:	71861
Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	164.0
176	78.6	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

Tgt Ion:	117	Resp:	148275
Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.3	66.5
119	32.4	25.7	38.5

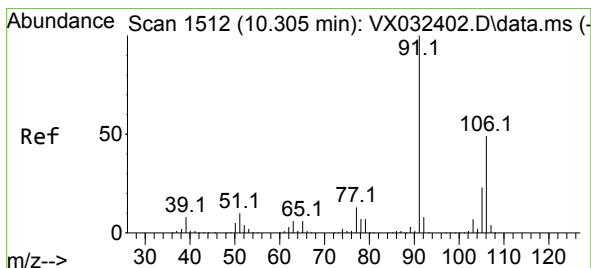
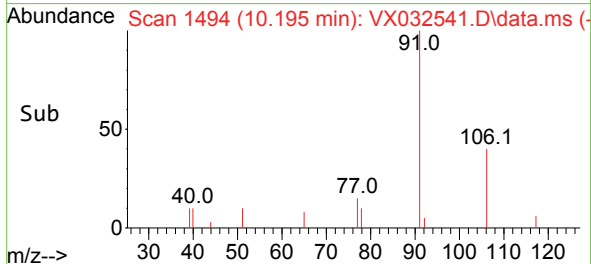
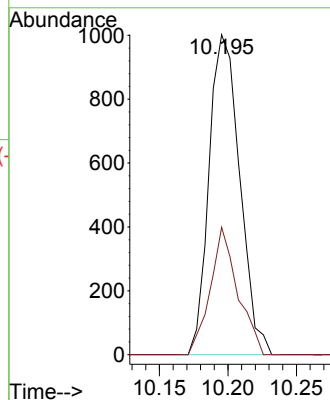
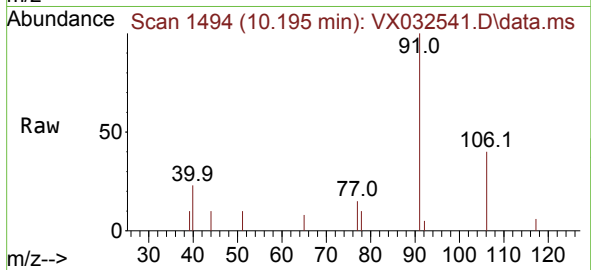




#67
Ethyl Benzene
Concen: 0.263 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

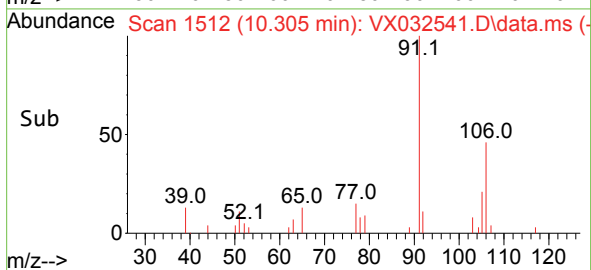
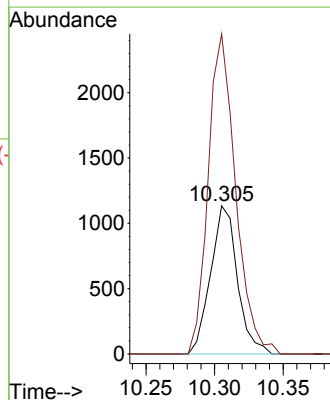
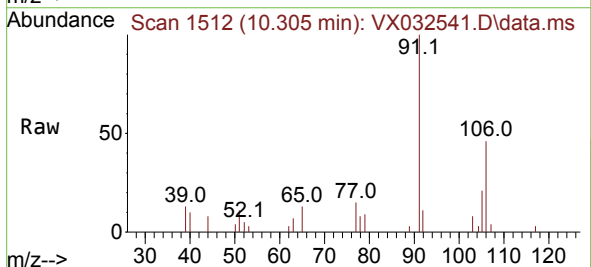
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

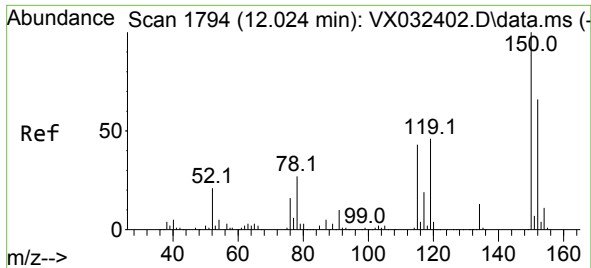
Tgt Ion: 91 Resp: 1560
Ion Ratio Lower Upper
91 100
106 39.8 25.0 37.6#



#68
m/p-Xylenes
Concen: 0.668 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

Tgt Ion: 106 Resp: 1541
Ion Ratio Lower Upper
106 100
91 221.0 164.5 246.7

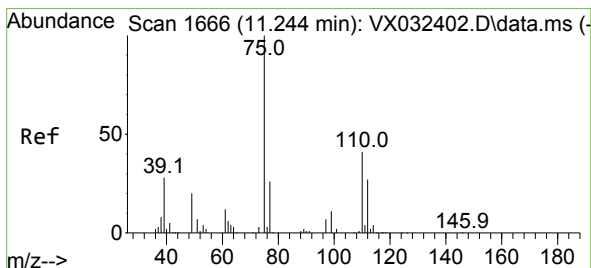
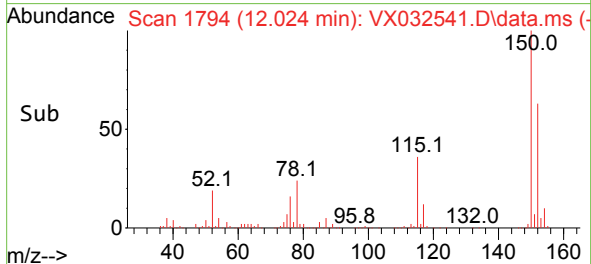
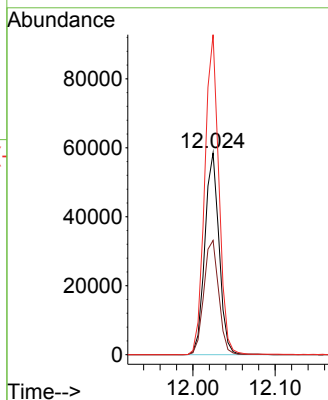
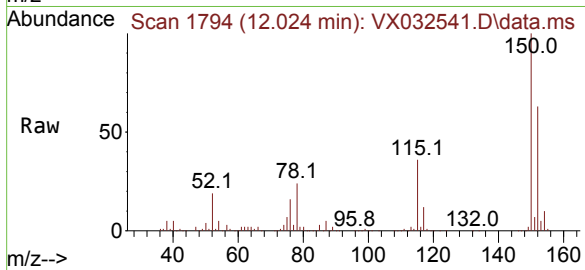




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032541.D
 Acq: 02 Nov 2022 16:26

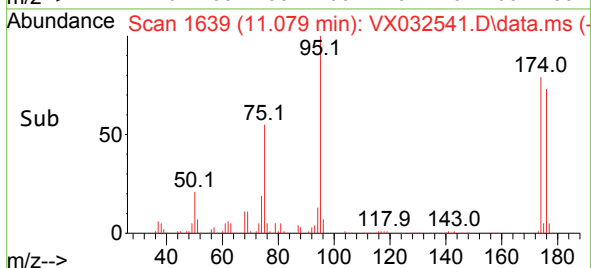
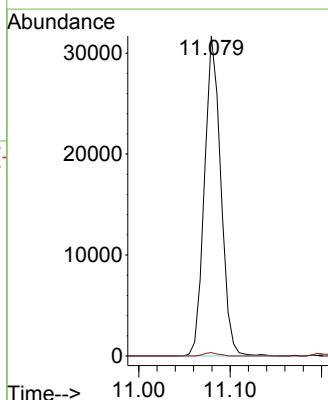
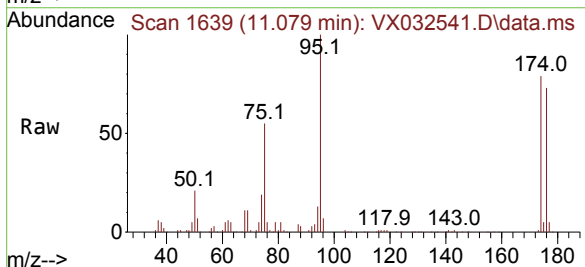
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2022

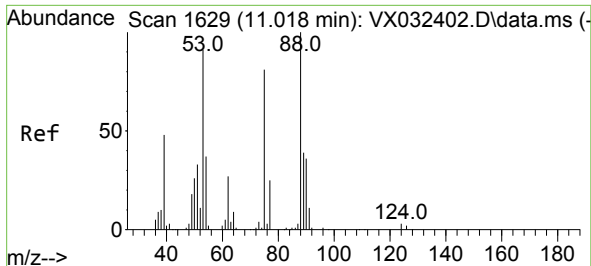
Tgt Ion:152 Resp: 70367
 Ion Ratio Lower Upper
 152 100
 115 59.3 44.0 132.0
 150 157.4 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 25.094 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX032541.D
 Acq: 02 Nov 2022 16:26

Tgt Ion: 75 Resp: 39284
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.0 60.0#

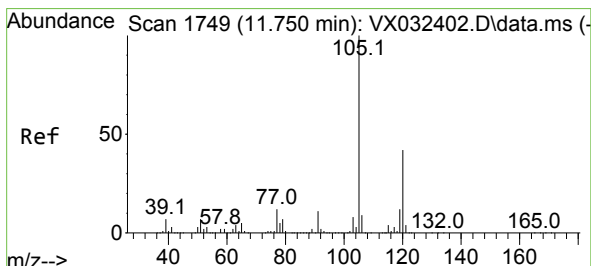
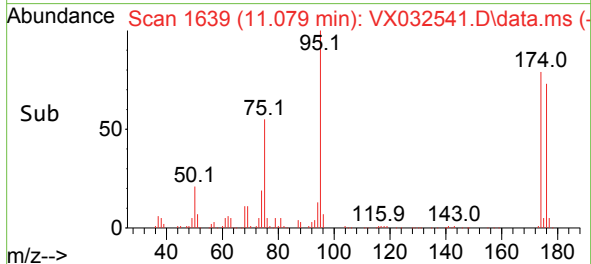
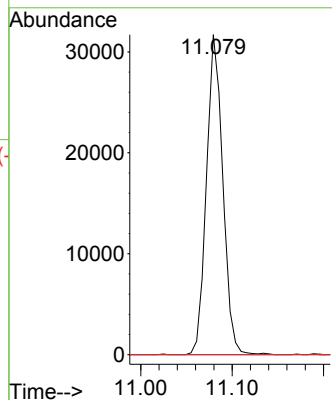
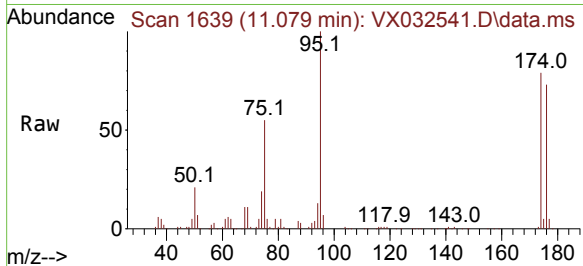




#81
trans-1,4-Dichloro-2-butene
Concen: 79.849 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

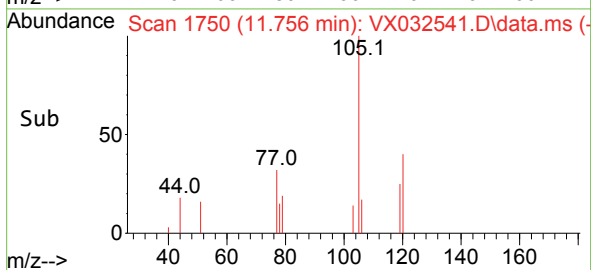
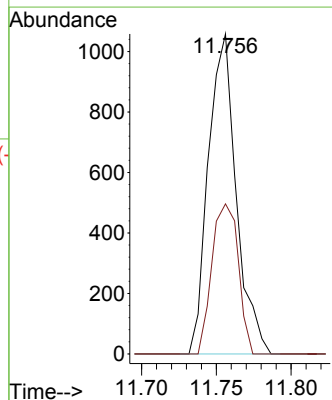
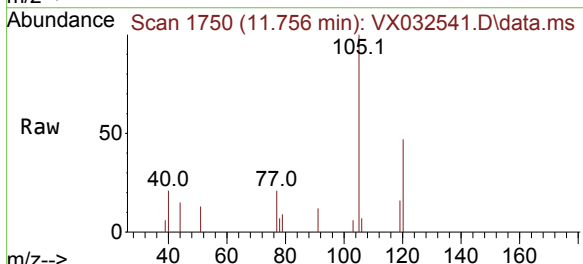
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2022

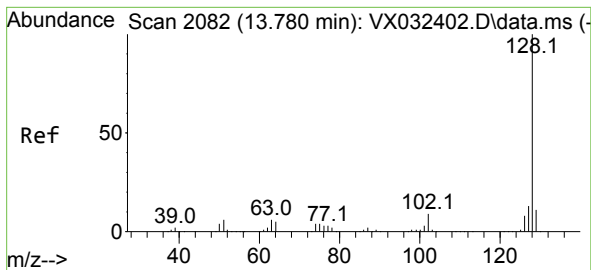
Tgt Ion: 75 Resp: 39284
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.289 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX032541.D
Acq: 02 Nov 2022 16:26

Tgt Ion: 105 Resp: 1371
Ion Ratio Lower Upper
105 100
120 44.3 21.9 65.5





#95

Naphthalene

Concen: 0.220 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX032541.D

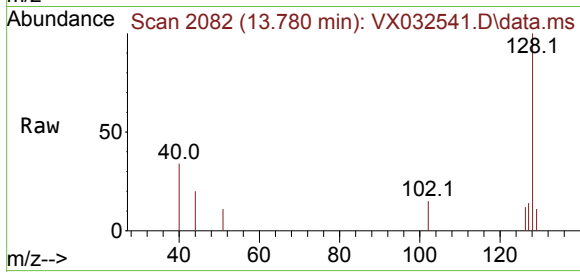
Acq: 02 Nov 2022 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2022



Tgt Ion:128 Resp: 1217

Ion Ratio Lower Upper

128 100

127 10.2 10.2 15.4#

129 6.2 8.9 13.3#

