

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038764.D
 Acq On : 11 Nov 2023 07:04
 Operator : JC/MD
 Sample : 05350-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 13 01:07:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

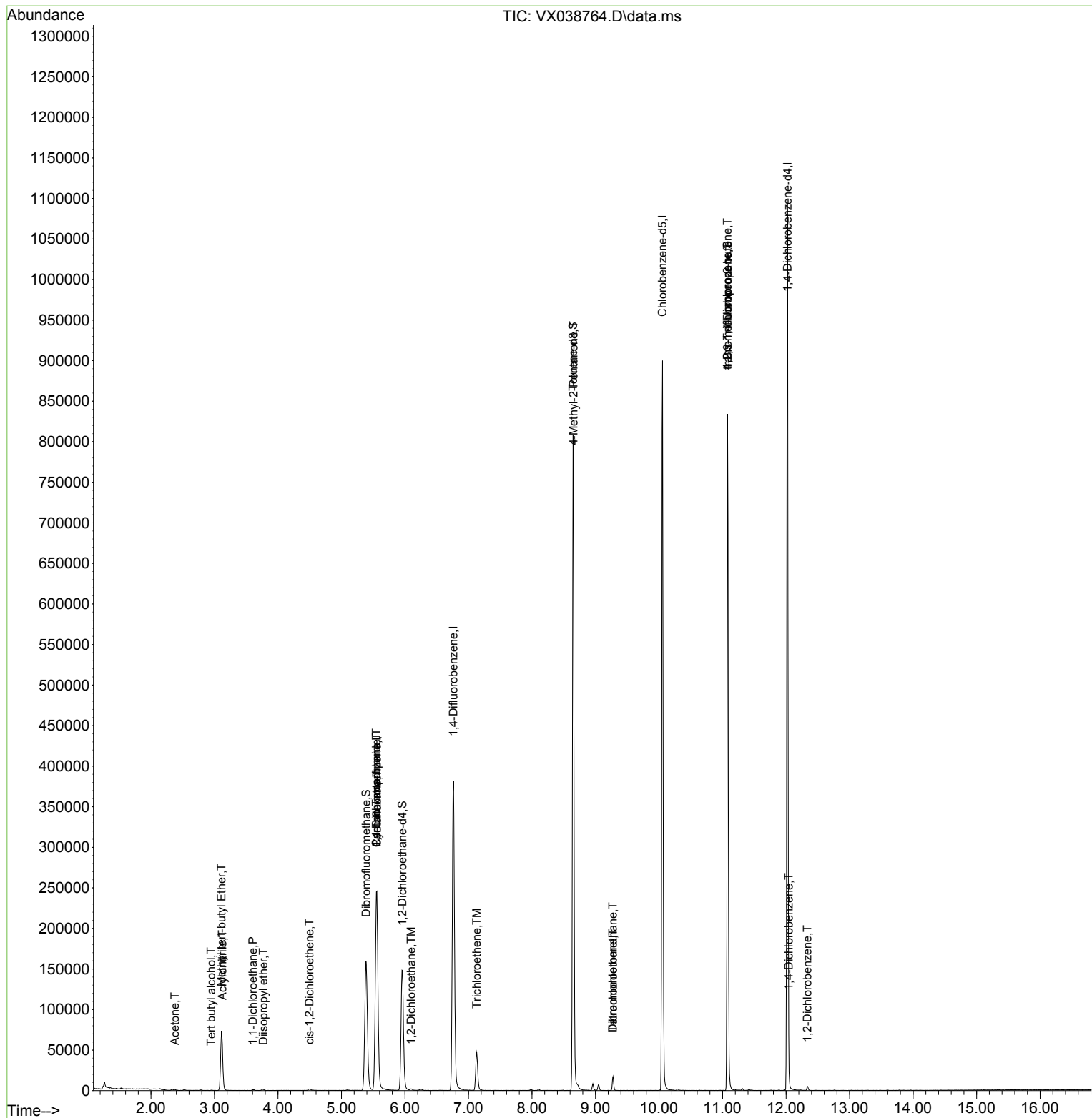
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	261382	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	430285	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	450592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	257229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151217	46.469	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.940%
35) Dibromofluoromethane	5.385	113	141793	45.754	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.500%
50) Toluene-d8	8.647	98	512689	46.232	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.460%
62) 4-Bromofluorobenzene	11.079	95	218135	50.734	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.460%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.946	59	363	0.546	ug/l	# 78
15) Acrylonitrile	3.123	53	982	0.699	ug/l	# 26
16) Acetone	2.380	43	1203	0.878	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	84696	10.858	ug/l	95
22) Diisopropyl ether	3.770	45	1497	0.227	ug/l	# 77
24) 1,1-Dichloroethane	3.605	63	1442	0.331	ug/l	# 83
27) cis-1,2-Dichloroethene	4.495	96	1297	0.423	ug/l	71
31) Cyclohexane	5.556	56	4259	1.183	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	17185	4.464	ug/l	# 52
38) Carbon Tetrachloride	5.550	117	24567	5.709	ug/l	# 15
42) 1,2-Dichloroethane	6.098	62	1932	0.483	ug/l	100
44) Trichloroethene	7.129	130	20018	5.802	ug/l	87
51) 4-Methyl-2-Pentanone	8.653	43	1622	0.412	ug/l	# 1
60) Dibromochloromethane	9.275	129	3091	0.893	ug/l	# 11
64) Tetrachloroethene	9.275	164	3499	1.037	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	106824	20.969	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	106824	63.750	ug/l	# 5
88) 1,4-Dichlorobenzene	12.042	146	2281	0.268	ug/l	# 1
91) 1,2-Dichlorobenzene	12.335	146	2080	0.257	ug/l	92

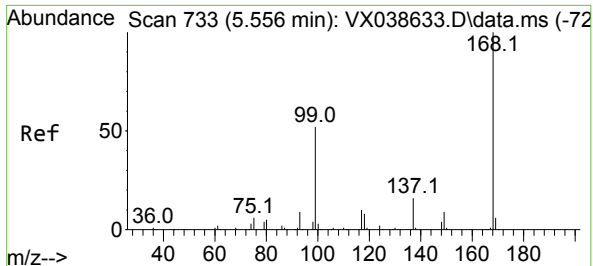
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 13 01:07:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 08 03:19:07 2023
Response via : Initial Calibration

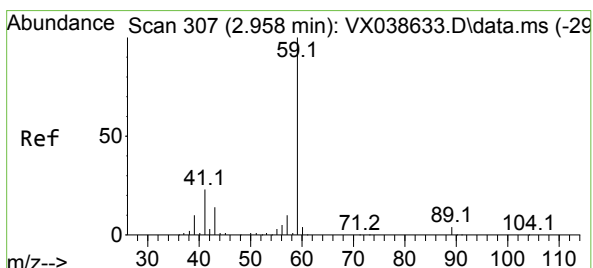
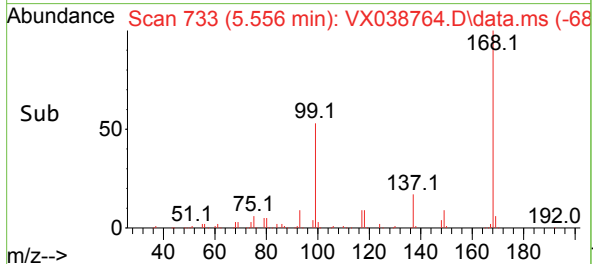
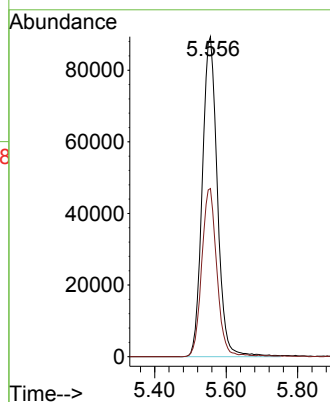
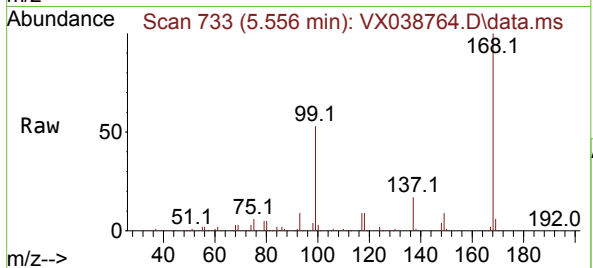




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

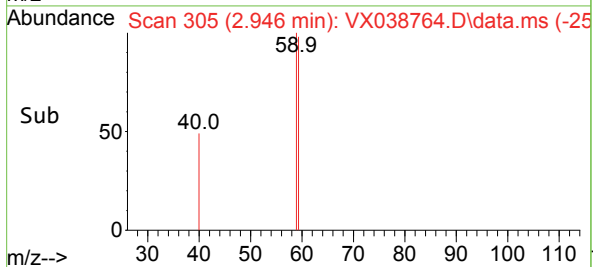
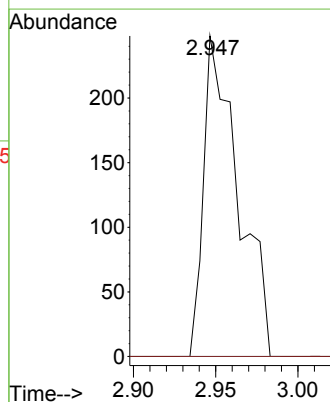
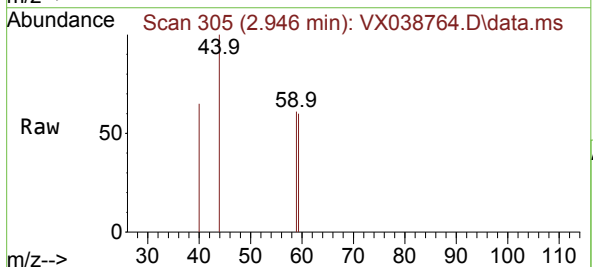
Instrument :
MSVOA_X
ClientSampleId :

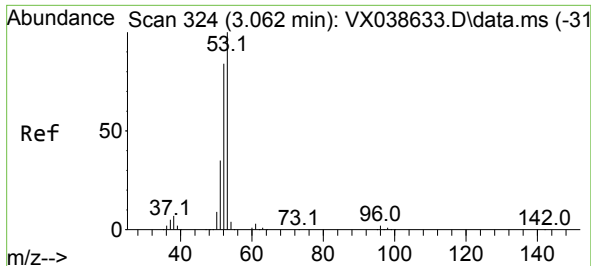
Tgt Ion:168 Resp: 261382
Ion Ratio Lower Upper
168 100
99 52.5 56.6 85.0#



#11
Tert butyl alcohol
Concen: 0.546 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

Tgt Ion: 59 Resp: 363
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

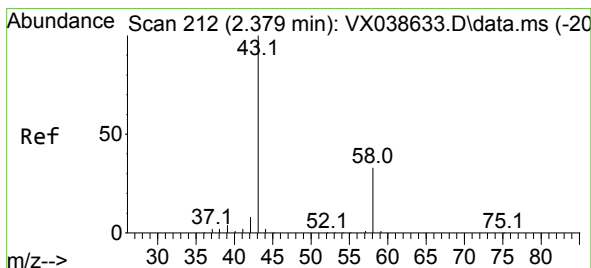
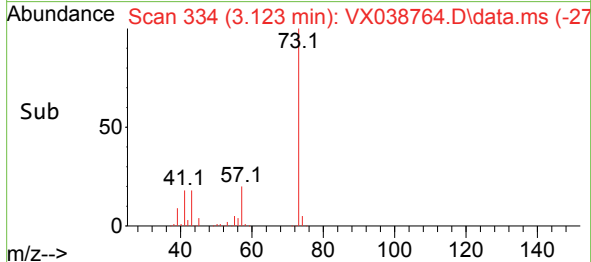
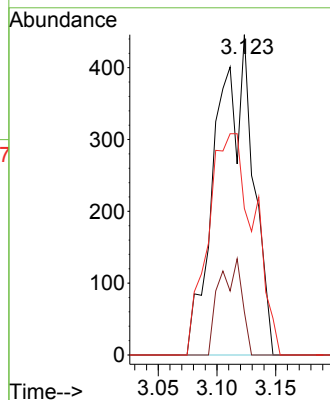
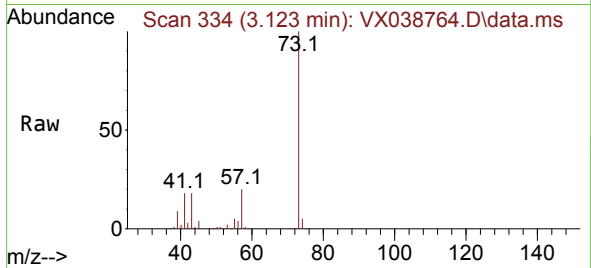




#15
Acrylonitrile
Concen: 0.699 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.061 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

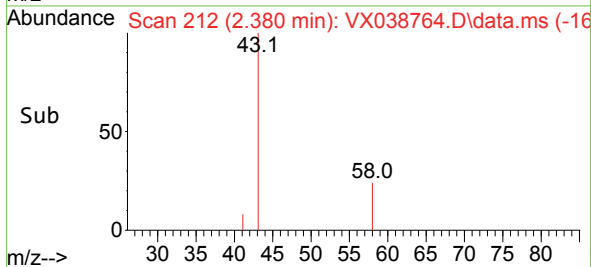
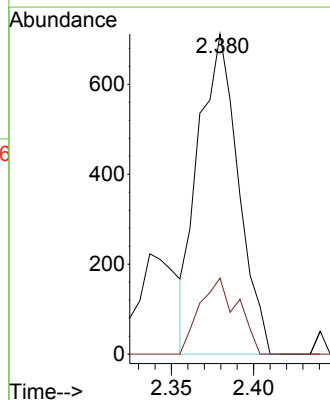
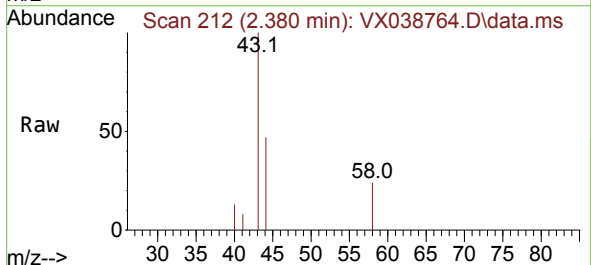
Instrument :
MSVOA_X
ClientSampleId :

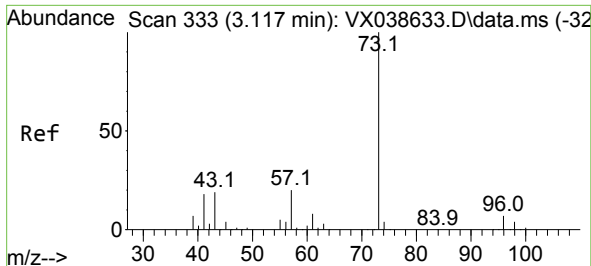
Tgt Ion: 53 Resp: 982
Ion Ratio Lower Upper
53 100
52 18.2 66.0 99.0#
51 84.8 29.8 44.6#



#16
Acetone
Concen: 0.878 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
58 23.7 21.9 32.9

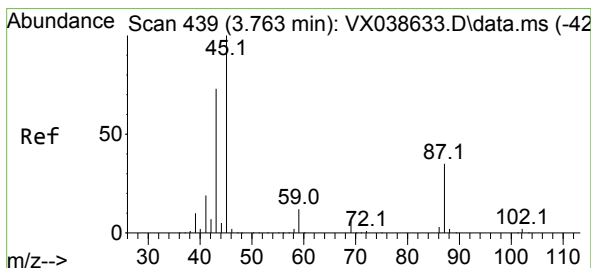
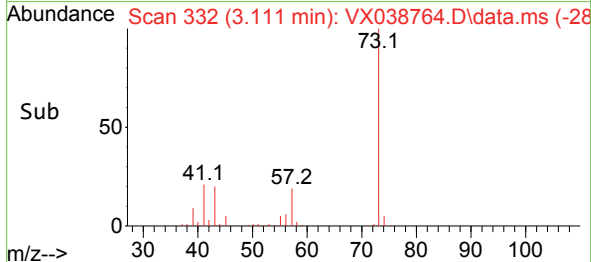
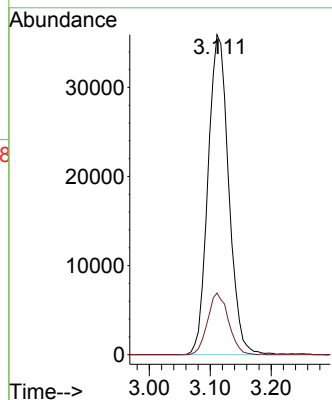
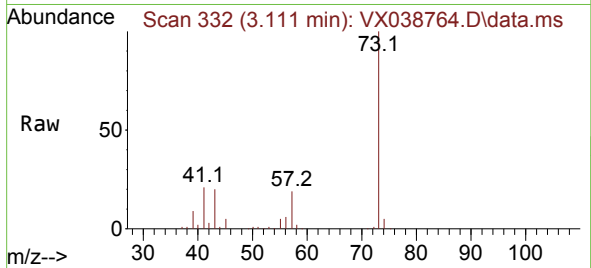




#19
Methyl tert-butyl Ether
Concen: 10.858 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

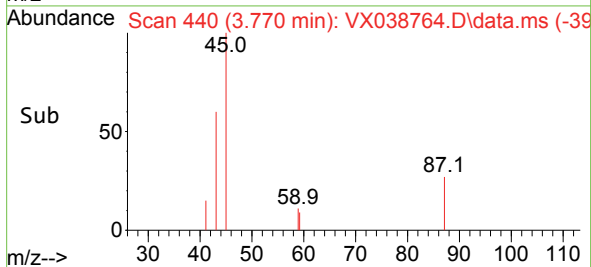
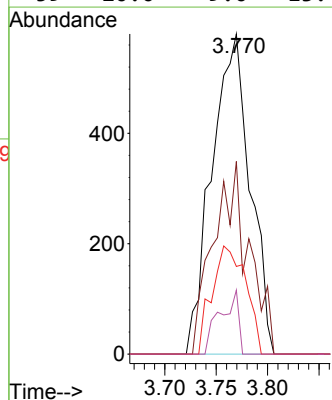
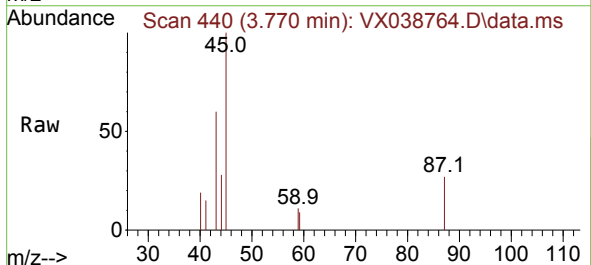
Instrument :
MSVOA_X
ClientSampleId :

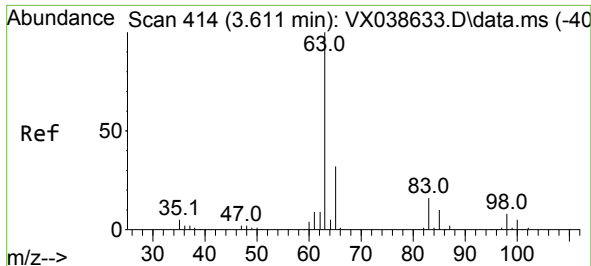
Tgt Ion: 73 Resp: 84696
Ion Ratio Lower Upper
73 100
57 19.2 17.3 25.9



#22
Diisopropyl ether
Concen: 0.227 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

Tgt Ion: 45 Resp: 1497
Ion Ratio Lower Upper
45 100
43 60.2 69.7 104.5#
87 27.4 20.8 31.2
59 20.0 9.0 13.4#

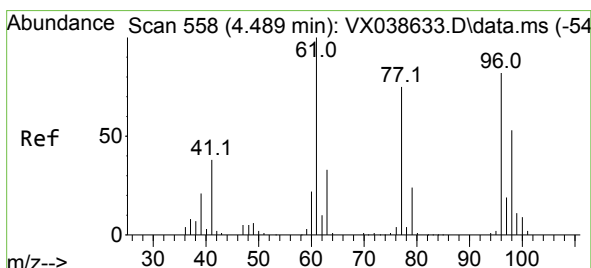
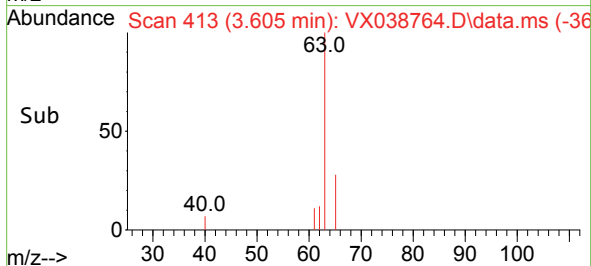
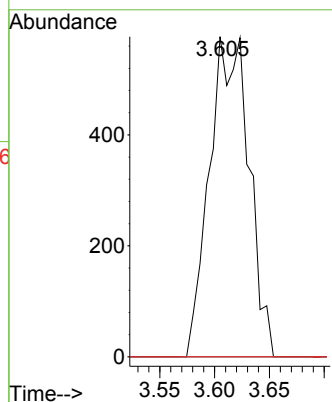
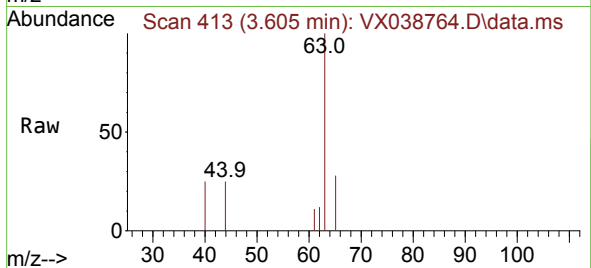




#24
1,1-Dichloroethane
Concen: 0.331 ug/l
RT: 3.605 min Scan# 414
Delta R.T. -0.006 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

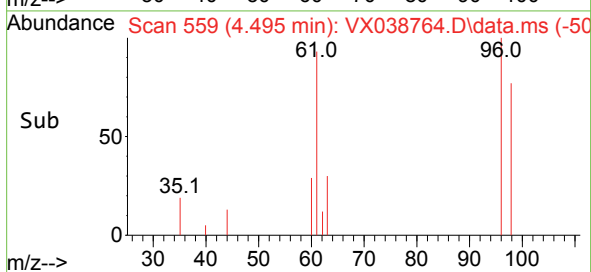
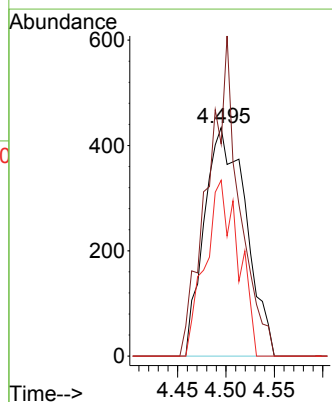
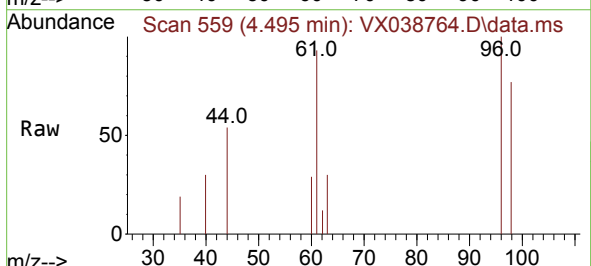
Instrument :
MSVOA_X
ClientSampleId :

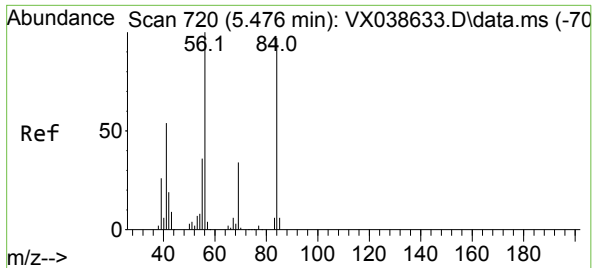
Tgt Ion: 63 Resp: 1442
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 0.423 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

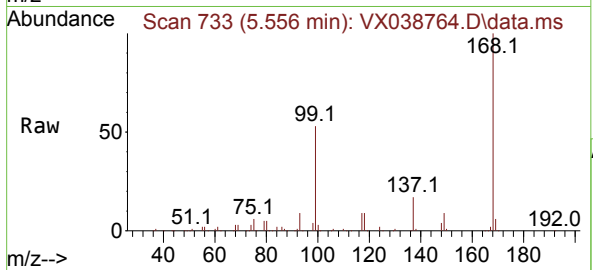
Tgt Ion: 96 Resp: 1297
Ion Ratio Lower Upper
96 100
61 105.5 0.0 312.2
98 61.4 0.0 129.0



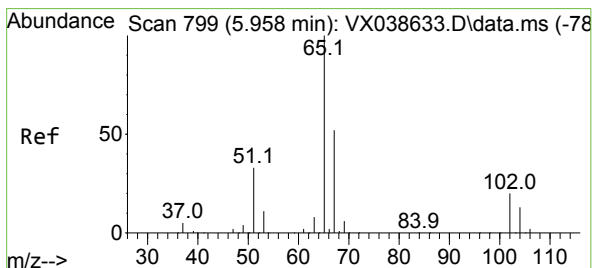
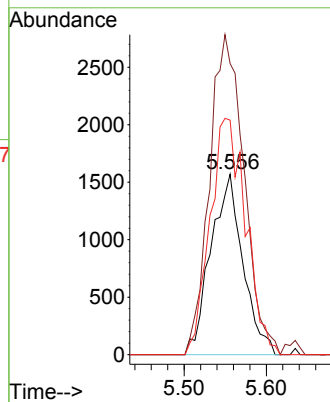
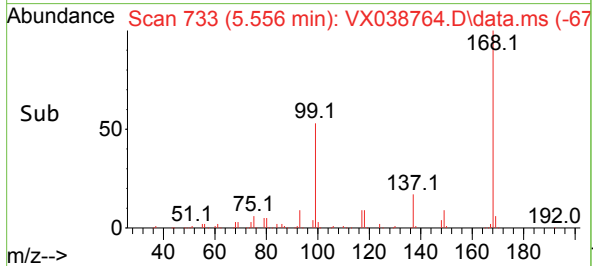


#31
Cyclohexane
Concen: 1.183 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

Instrument :
MSVOA_X
ClientSampleId :

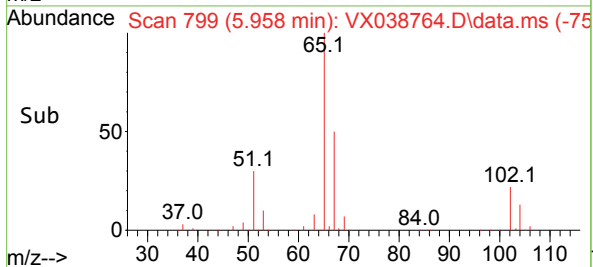
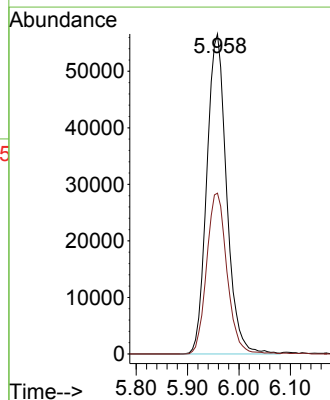
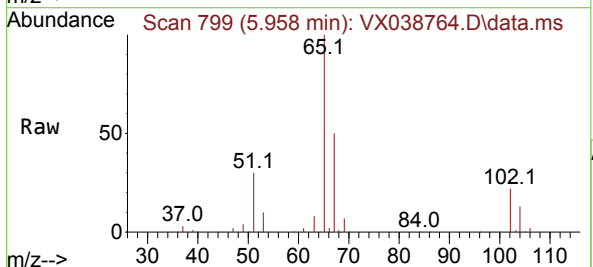


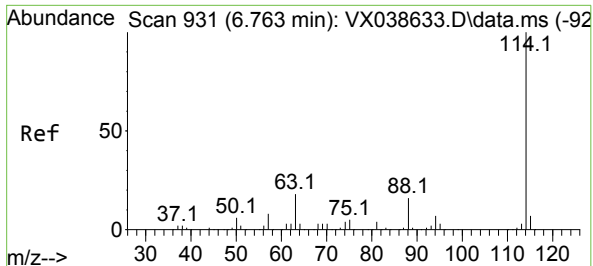
Tgt Ion: 56 Resp: 4259
Ion Ratio Lower Upper
56 100
69 161.3 23.4 35.2#
84 130.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.469 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

Tgt Ion: 65 Resp: 151217
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2

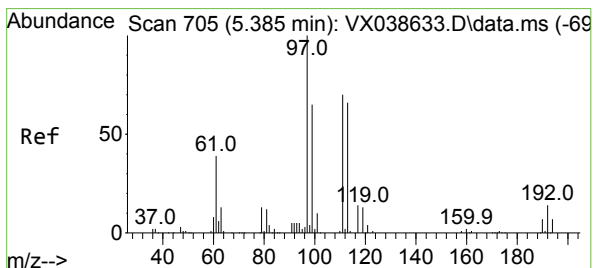
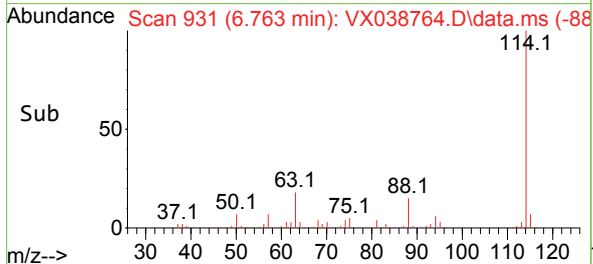
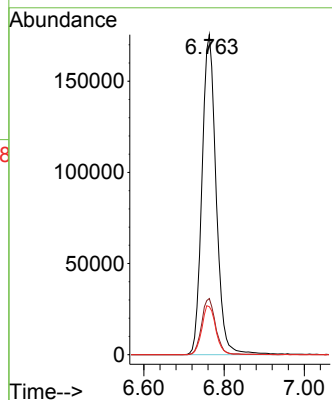
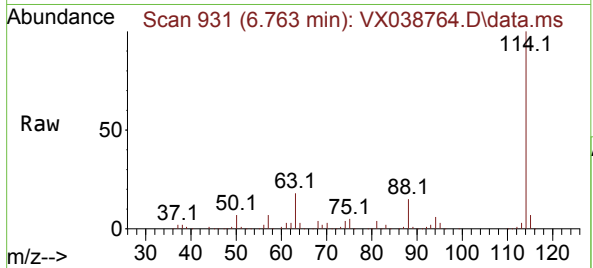




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX038764.D
 Acq: 11 Nov 2023 07:04

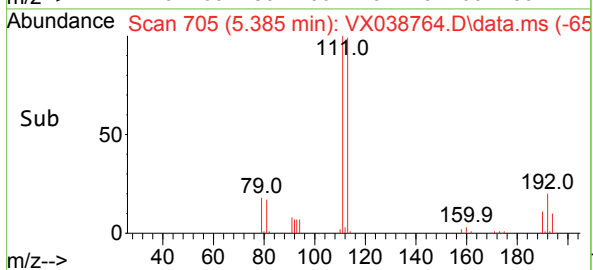
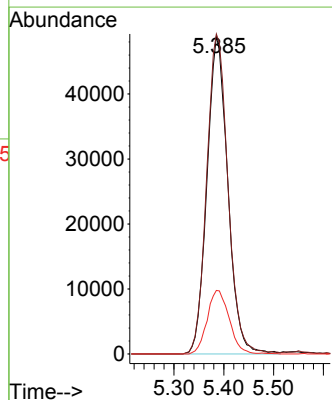
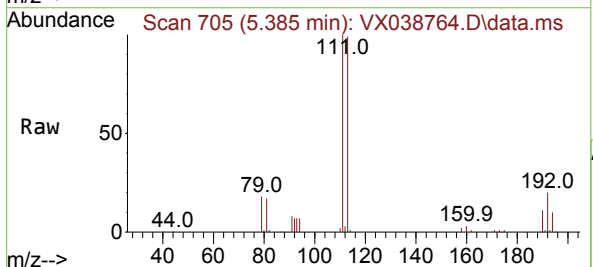
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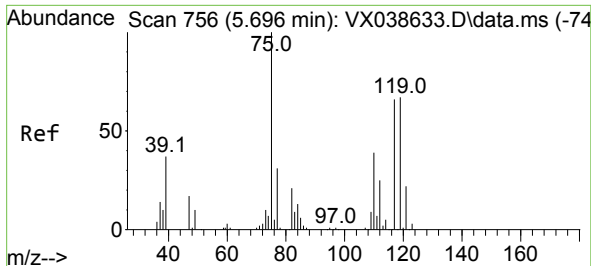
Tgt Ion:114 Resp: 430285
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 45.0
 88 15.0 0.0 36.6



#35
 Dibromofluoromethane
 Concen: 45.754 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX038764.D
 Acq: 11 Nov 2023 07:04

Tgt Ion:113 Resp: 141793
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 21.1 13.3 19.9#

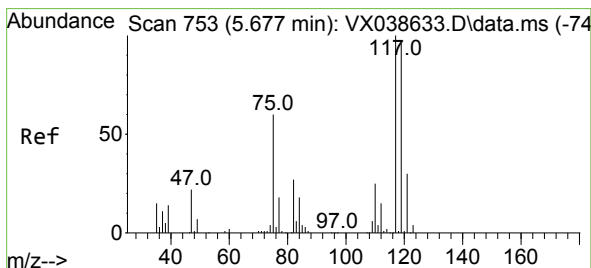
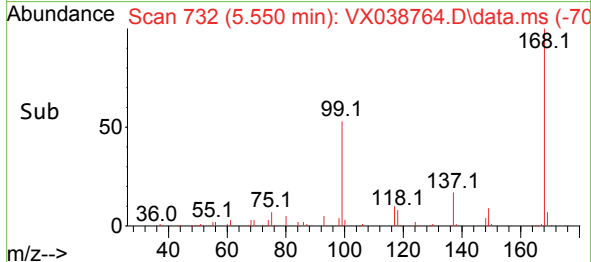
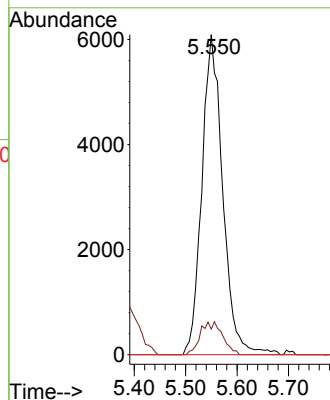
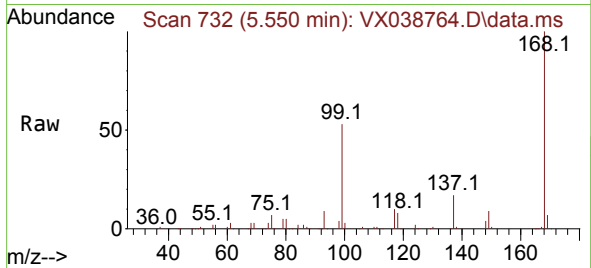




#36
1,1-Dichloropropene
Concen: 4.464 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

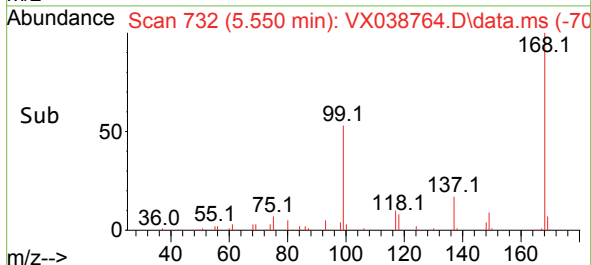
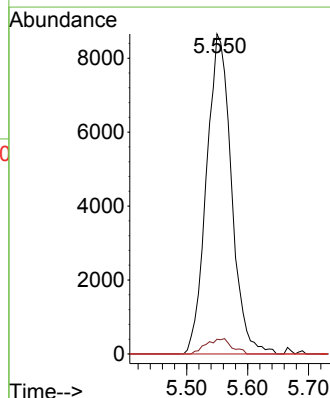
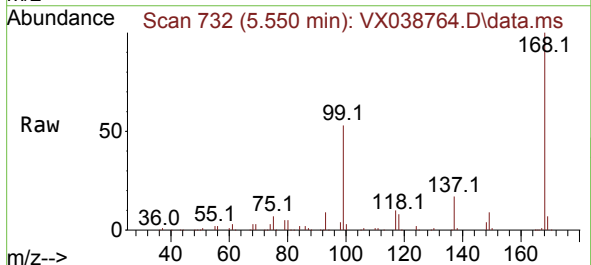
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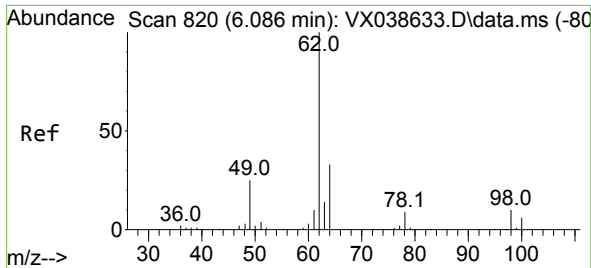
Tgt Ion: 75 Resp: 17185
Ion Ratio Lower Upper
75 100
110 10.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.709 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

Tgt Ion: 117 Resp: 24567
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#

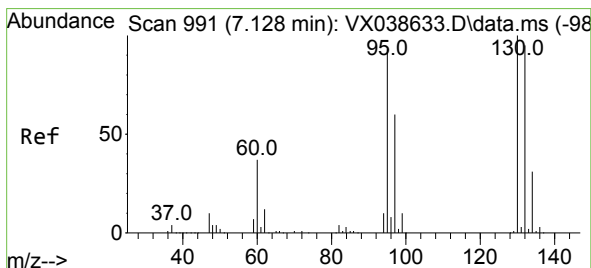
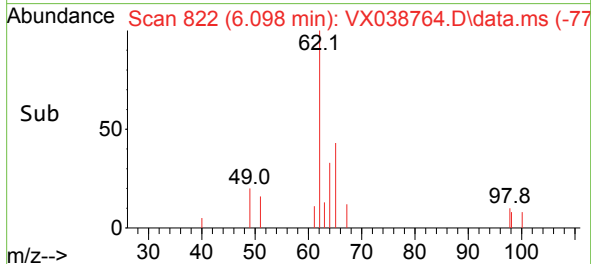
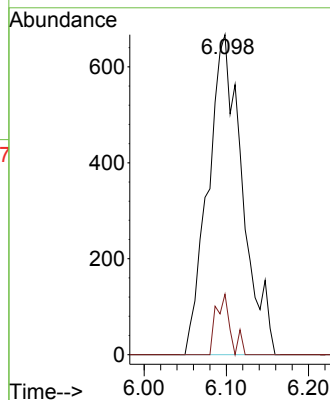
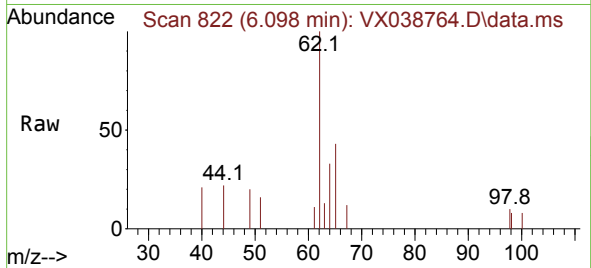




#42
1,2-Dichloroethane
Concen: 0.483 ug/l
RT: 6.098 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

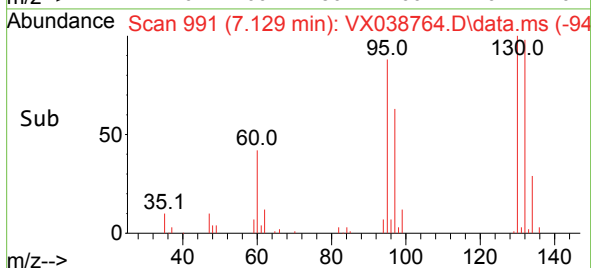
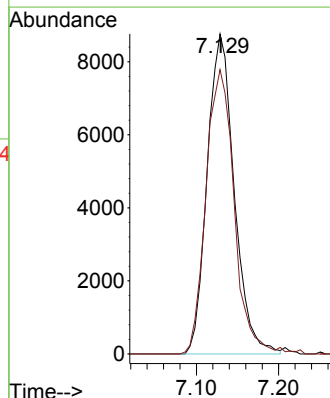
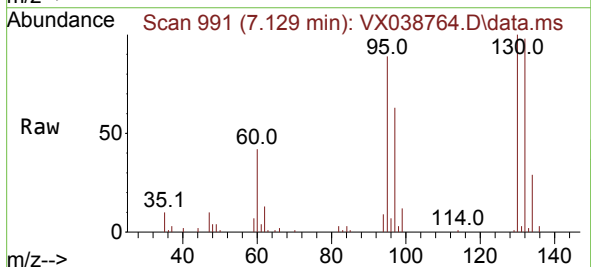
Instrument :
MSVOA_X
ClientSampleId :

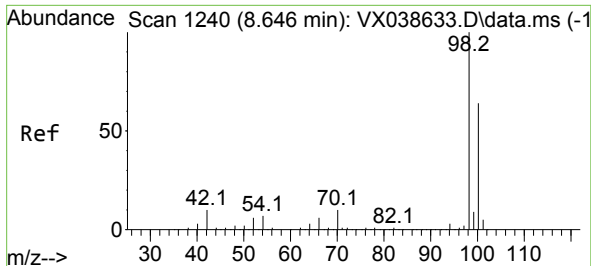
Tgt Ion: 62 Resp: 1932
Ion Ratio Lower Upper
62 100
98 7.9 0.0 16.0



#44
Trichloroethene
Concen: 5.802 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

Tgt Ion:130 Resp: 20018
Ion Ratio Lower Upper
130 100
95 88.9 0.0 204.4

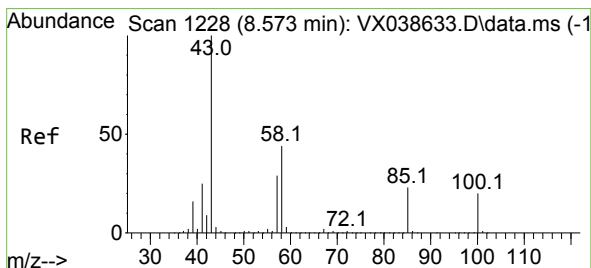
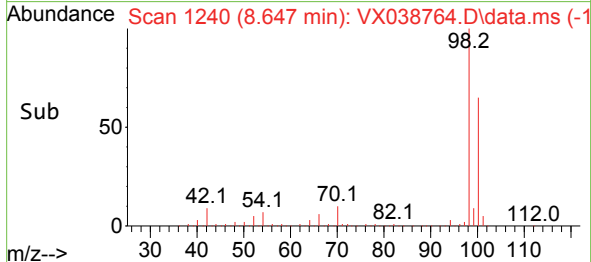
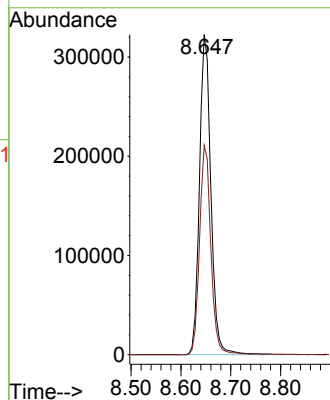
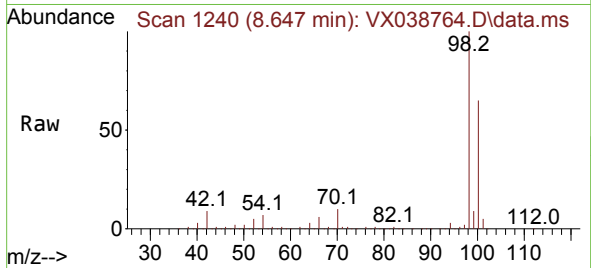




#50
Toluene-d8
Concen: 46.232 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

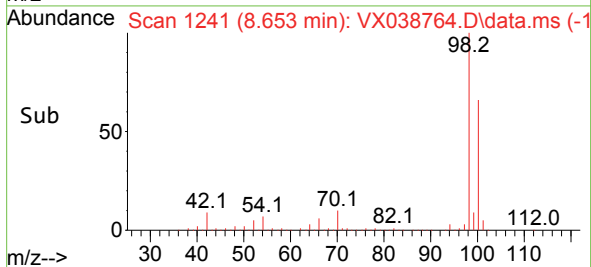
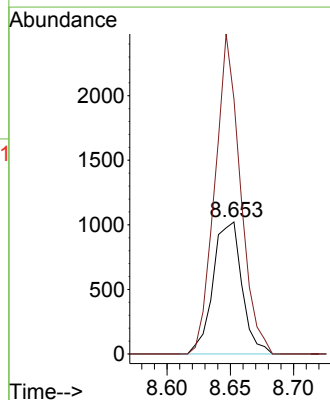
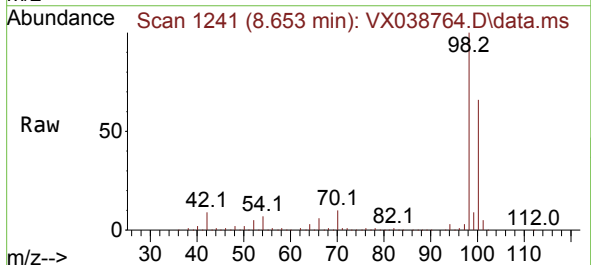
Instrument :
MSVOA_X
ClientSampleId :

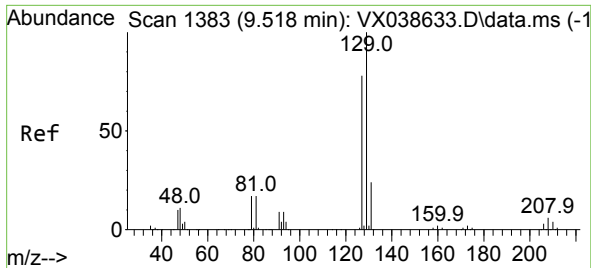
Tgt Ion: 98 Resp: 512689
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.412 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

Tgt Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
58 213.4 30.4 45.6#

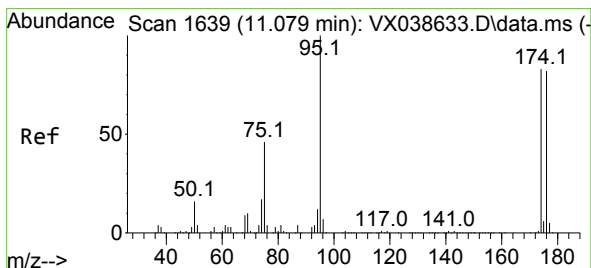
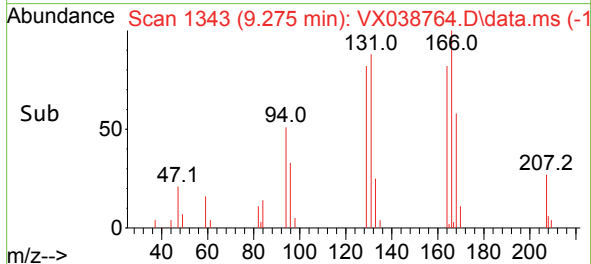
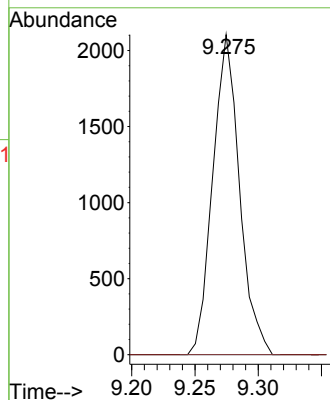
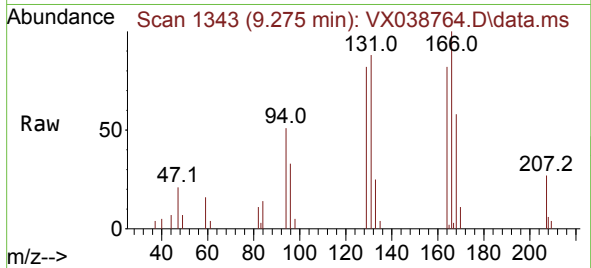




#60
Dibromochloromethane
Concen: 0.893 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

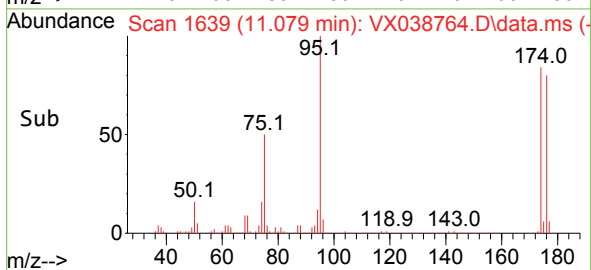
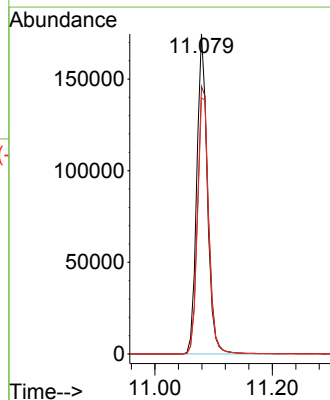
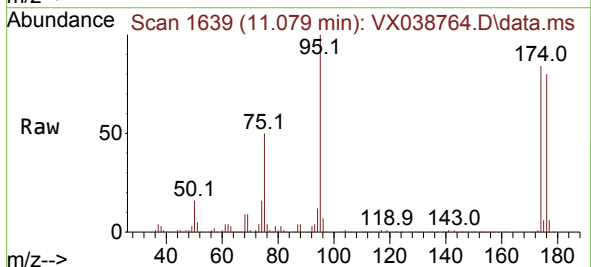
Instrument :
MSVOA_X
ClientSampleId :

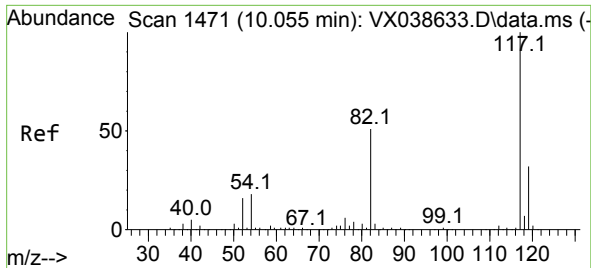
Tgt Ion:129 Resp: 3091
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.734 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

Tgt Ion: 95 Resp: 218135
Ion Ratio Lower Upper
95 100
174 88.5 0.0 135.6
176 85.2 0.0 131.0

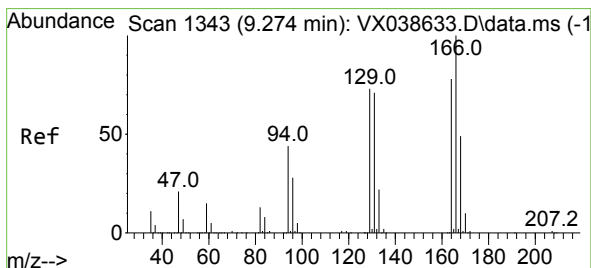
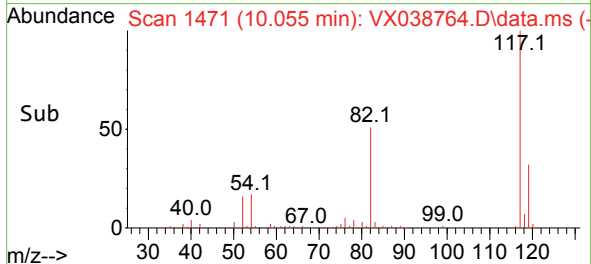
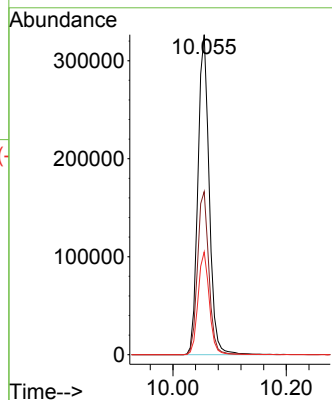
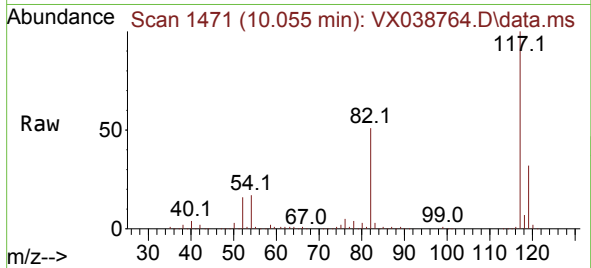




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

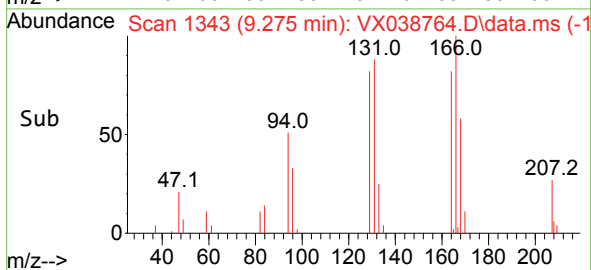
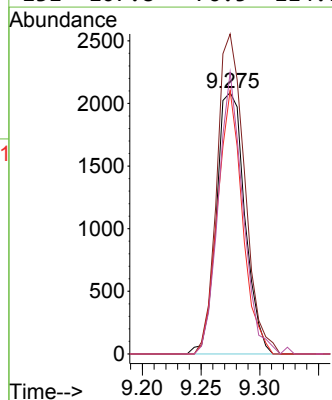
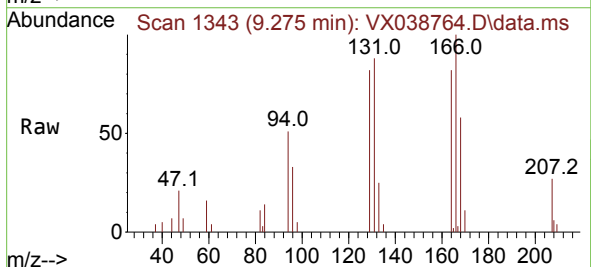
Instrument :
MSVOA_X
ClientSampleId :

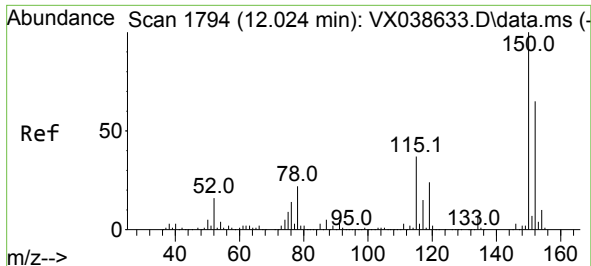
Tgt Ion:117 Resp: 450592
Ion Ratio Lower Upper
117 100
82 51.0 46.2 69.4
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 1.037 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038764.D
Acq: 11 Nov 2023 07:04

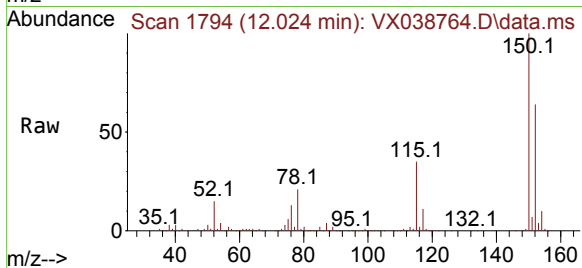
Tgt Ion:164 Resp: 3499
Ion Ratio Lower Upper
164 100
166 122.4 102.7 154.1
129 100.8 80.4 120.6
131 107.8 76.5 114.7



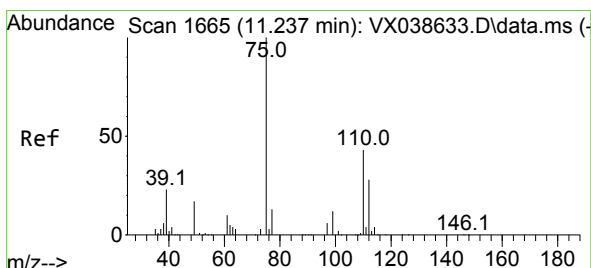
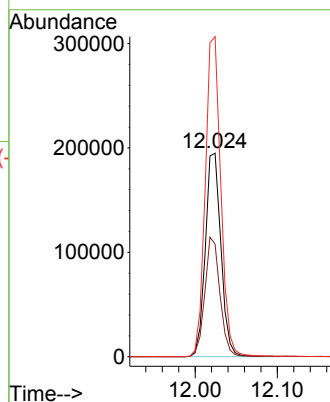
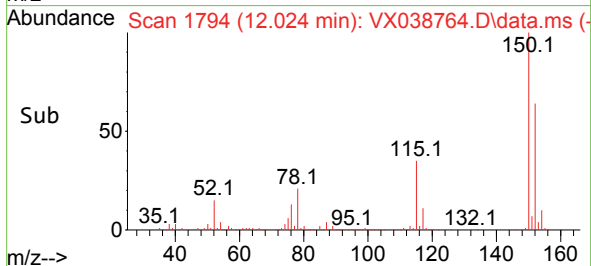


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038764.D
 Acq: 11 Nov 2023 07:04

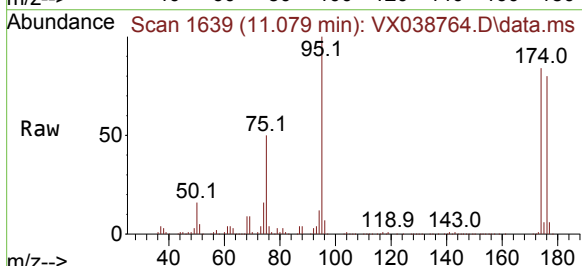
Instrument :
 MSVOA_X
 ClientSampleId :



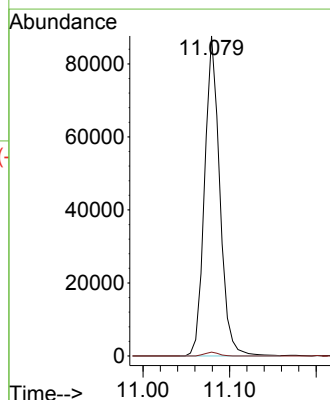
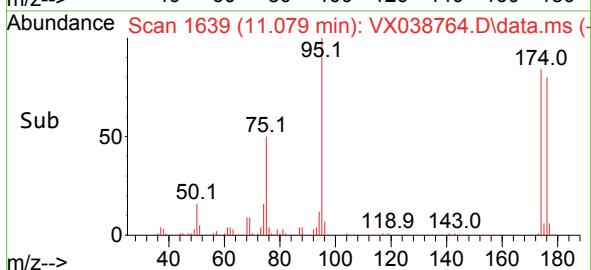
Tgt Ion:152 Resp: 257229
 Ion Ratio Lower Upper
 152 100
 115 56.9 43.3 129.9
 150 157.0 0.0 345.0

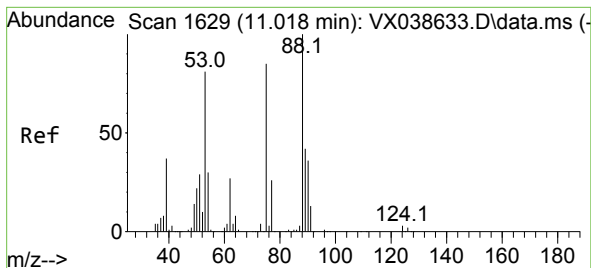


#76
 1,2,3-Trichloropropane
 Concen: 20.969 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX038764.D
 Acq: 11 Nov 2023 07:04



Tgt Ion: 75 Resp: 106824
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

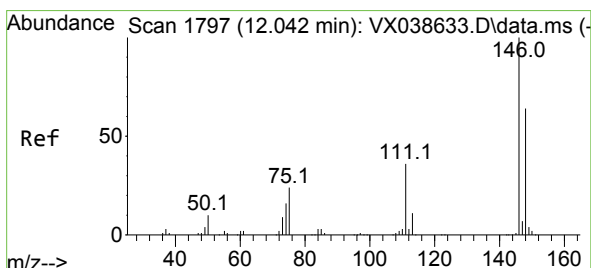
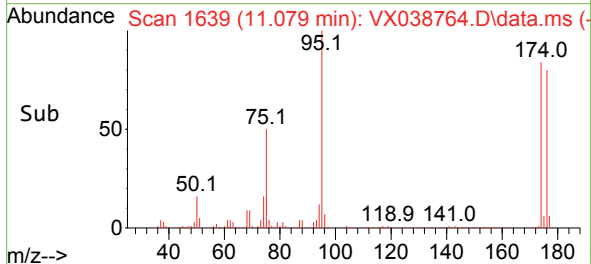
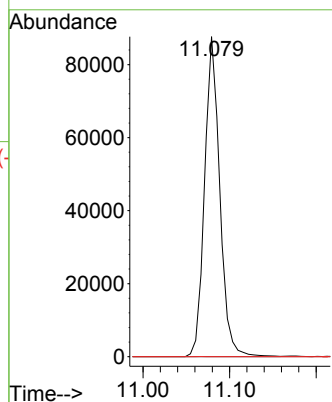
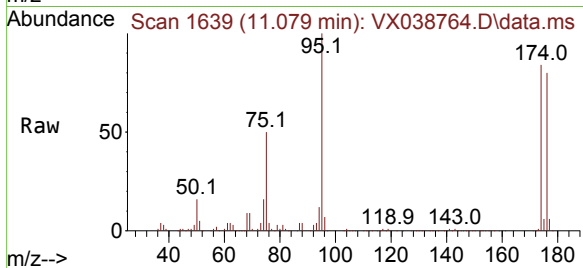




#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.750 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX038764.D
 Acq: 11 Nov 2023 07:04

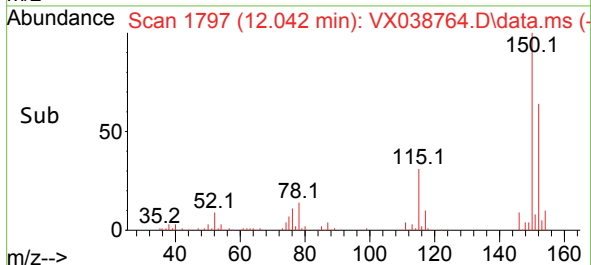
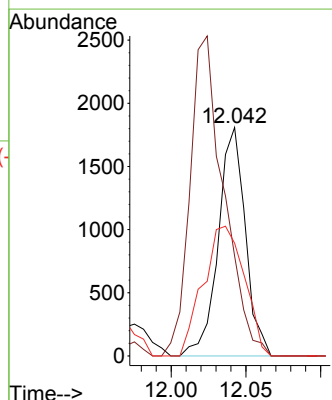
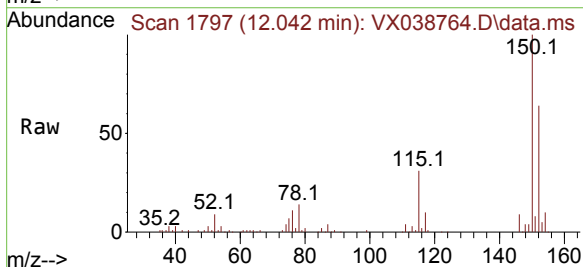
Instrument :
 MSVOA_X
 ClientSampleId :

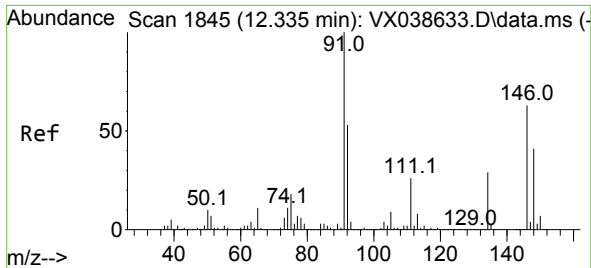
Tgt Ion: 75 Resp: 106824
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#88
 1,4-Dichlorobenzene
 Concen: 0.268 ug/l
 RT: 12.042 min Scan# 1797
 Delta R.T. 0.000 min
 Lab File: VX038764.D
 Acq: 11 Nov 2023 07:04

Tgt Ion:146 Resp: 2281
 Ion Ratio Lower Upper
 146 100
 111 174.0 21.3 63.7#
 148 86.3 31.8 95.4





#91
 1,2-Dichlorobenzene
 Concen: 0.257 ug/l
 RT: 12.335 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038764.D
 Acq: 11 Nov 2023 07:04

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:146 Resp: 2080
 Ion Ratio Lower Upper
 146 100
 111 35.6 22.4 67.0
 148 66.1 31.6 95.0

