

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101823\
 Data File : VX038359.D
 Acq On : 18 Oct 2023 13:53
 Operator : JC/MD
 Sample : 04924-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 19 01:39:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

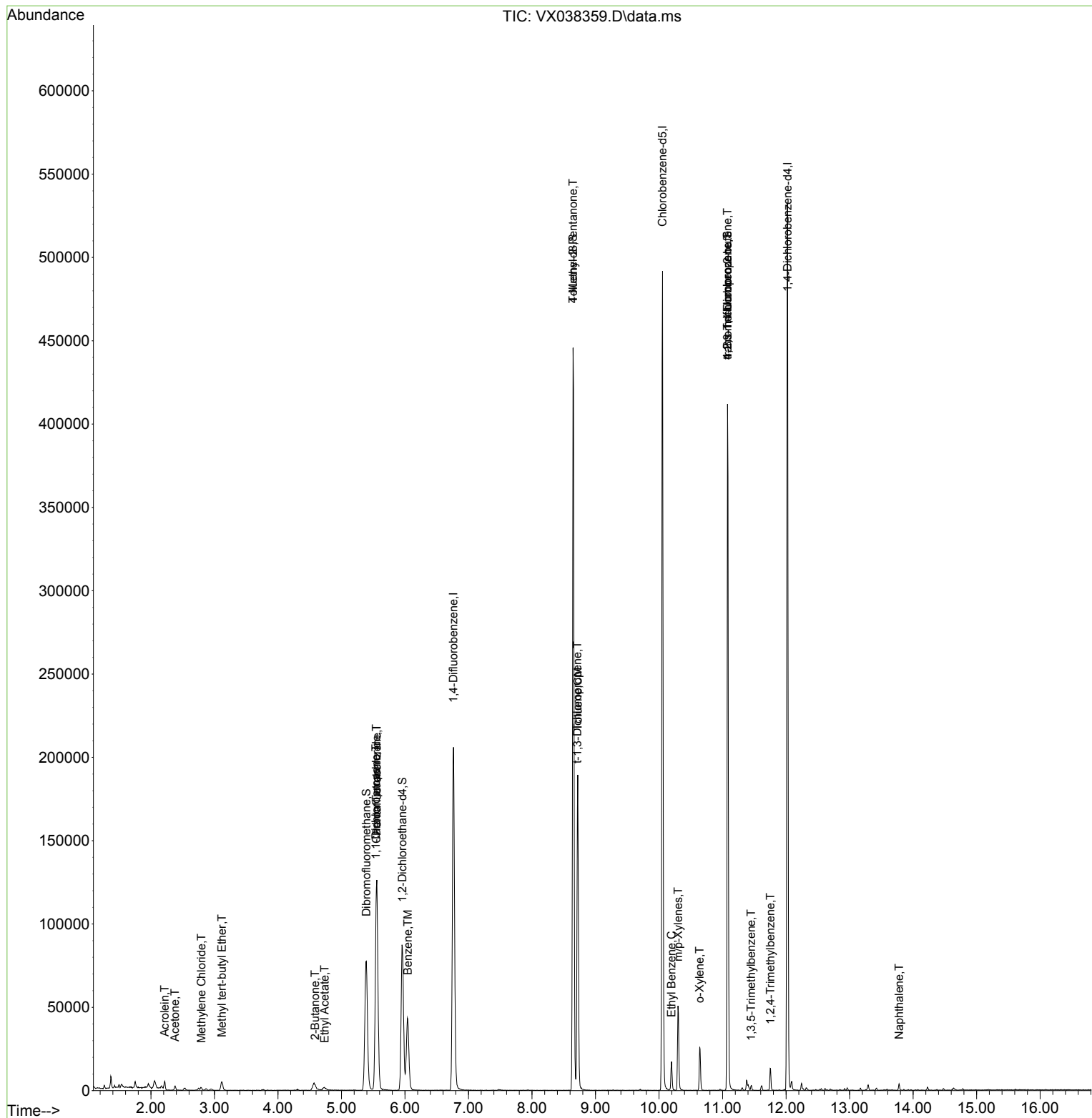
Internal Standards						
1) Pentafluorobenzene	5.556	168	116479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	212498	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84354	45.025	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.060%		
35) Dibromofluoromethane	5.391	113	66857	43.664	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.320%		
50) Toluene-d8	8.647	98	266714	45.584	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.160%#		
62) 4-Bromofluorobenzene	11.079	95	104118	46.938	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.880%		
Target Compounds						Qvalue
5) Bromomethane	1.611	94	71	Below Cal	#	3
6) Chloroethane	1.685	64	127	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	617	Below Cal	#	78
13) Acrolein	2.215	56	95	0.357	ug/l #	1
16) Acetone	2.380	43	2602	3.328	ug/l #	83
19) Methyl tert-butyl Ether	3.117	73	5505	1.297	ug/l	97
20) Methylene Chloride	2.794	84	886	0.602	ug/l #	85
25) 2-Butanone	4.587	43	642	0.509	ug/l #	51
36) 1,1-Dichloropropene	5.544	75	10065	4.767	ug/l #	50
37) Ethyl Acetate	4.733	43	3291	1.312	ug/l #	91
38) Carbon Tetrachloride	5.550	117	12322	5.932	ug/l #	16
40) Benzene	6.044	78	53767	9.104	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	1287	0.498	ug/l #	1
52) Toluene	8.720	92	69959	18.185	ug/l	90
53) t-1,3-Dichloropropene	8.714	75	866	0.383	ug/l #	1
67) Ethyl Benzene	10.195	91	9748	1.194	ug/l	97
68) m/p-Xylenes	10.299	106	12278	3.888	ug/l	100
69) o-Xylene	10.640	106	6103	1.980	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	56166	21.764	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	1549	0.236	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	56166	62.456	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	6315	0.964	ug/l	99
95) Naphthalene	13.780	128	2981	0.356	ug/l	94

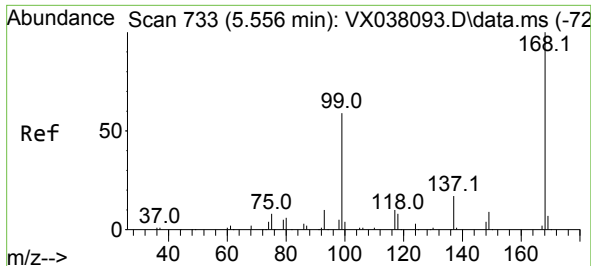
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101823\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

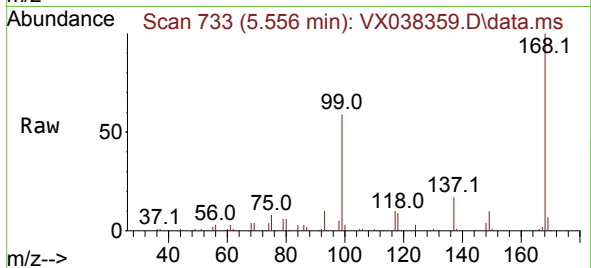
Quant Time: Oct 19 01:39:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



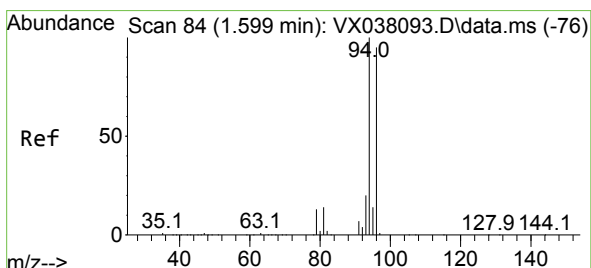
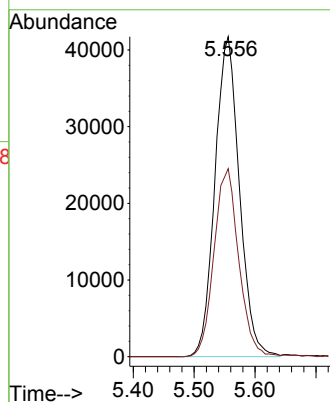
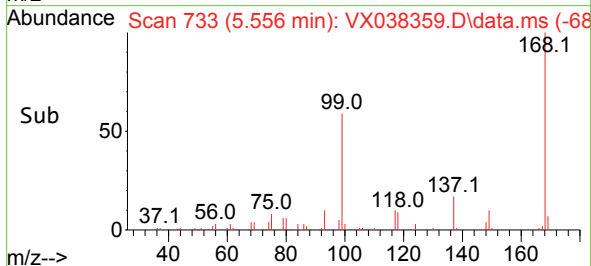


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Instrument :
MSVOA_X
ClientSampleId :

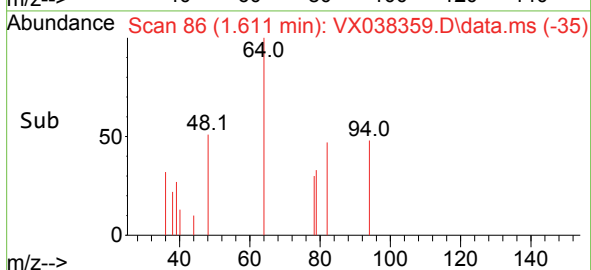
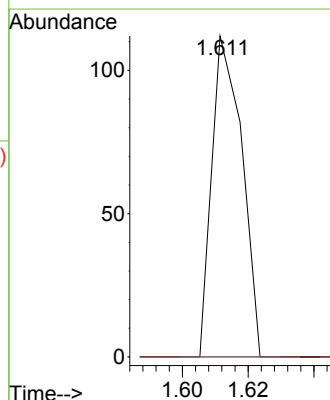
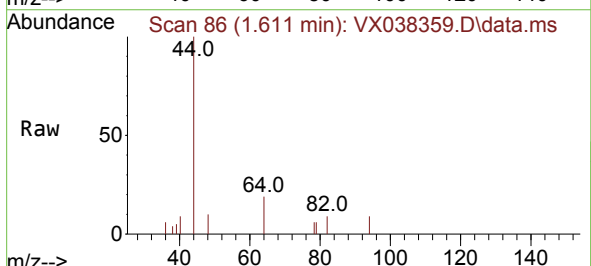


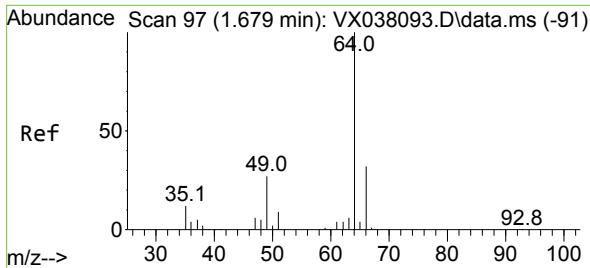
Tgt Ion:168 Resp: 116479
Ion Ratio Lower Upper
168 100
99 58.8 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Tgt Ion: 94 Resp: 71
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

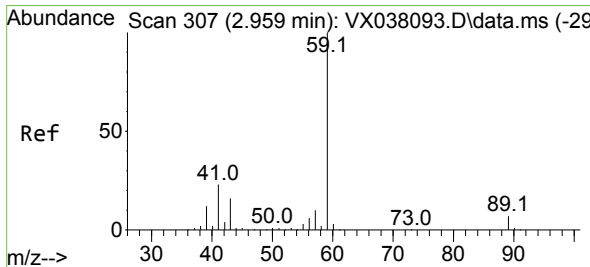
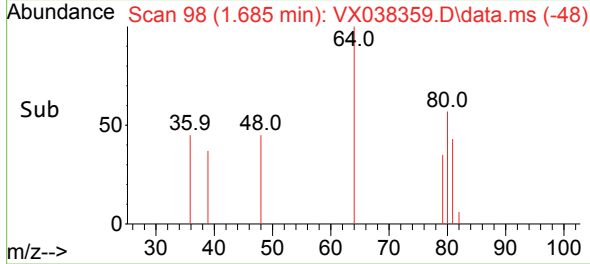
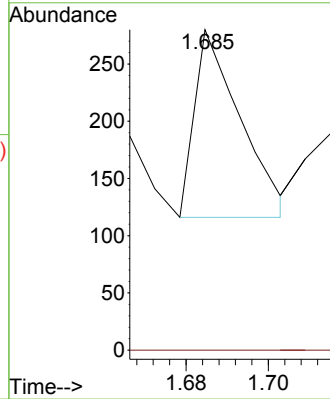
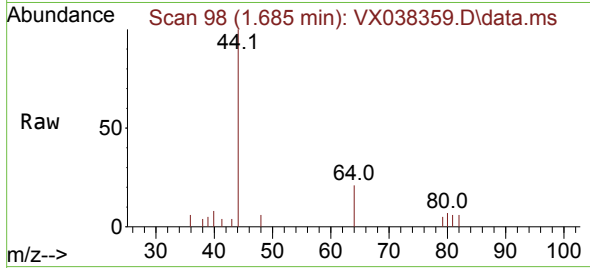




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

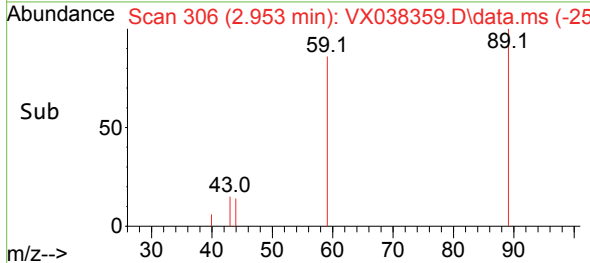
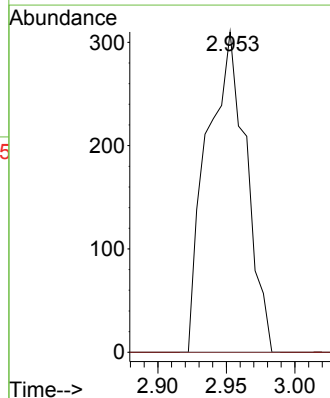
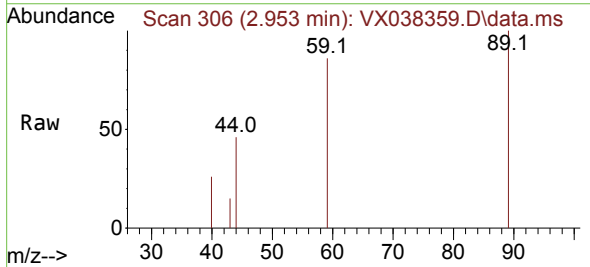
Instrument :
MSVOA_X
ClientSampleId :

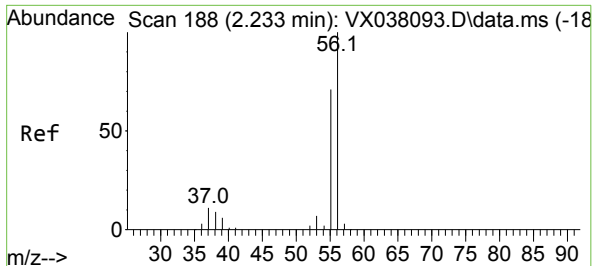
Tgt Ion: 64 Resp: 127
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Tgt Ion: 59 Resp: 617
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

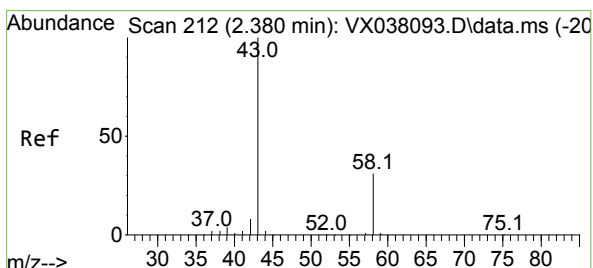
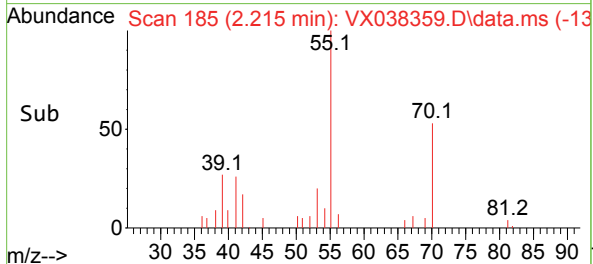
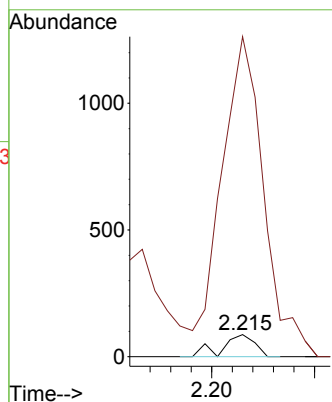
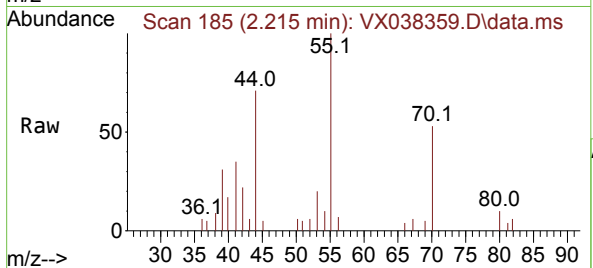




#13
Acrolein
Concen: 0.357 ug/l
RT: 2.215 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

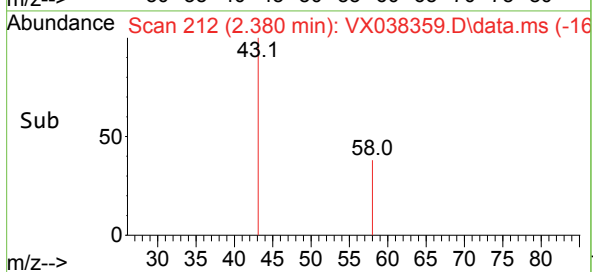
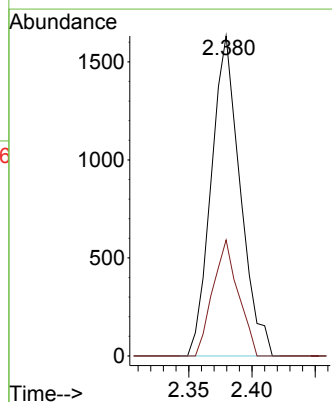
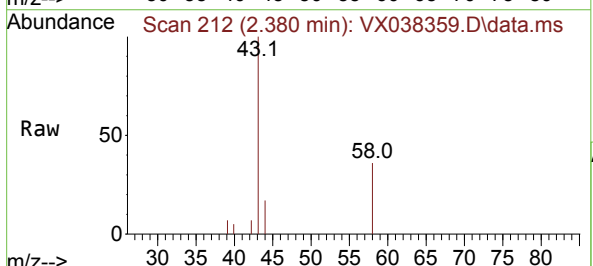
Instrument :
MSVOA_X
ClientSampleId :

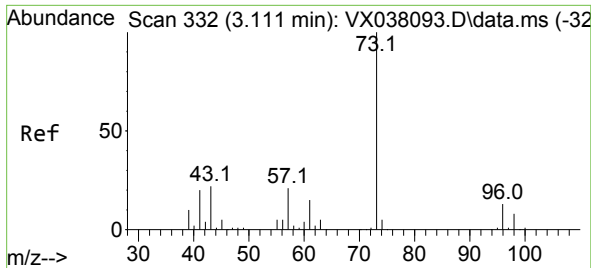
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 1888.4 57.1 85.7#



#16
Acetone
Concen: 3.328 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Tgt Ion: 43 Resp: 2602
Ion Ratio Lower Upper
43 100
58 36.3 21.9 32.9#

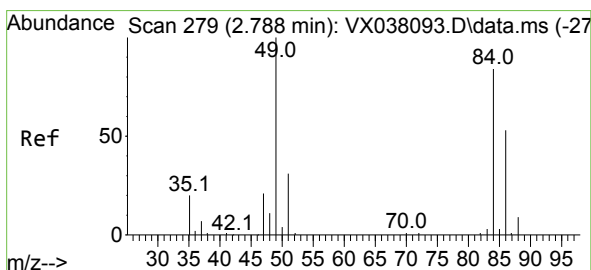
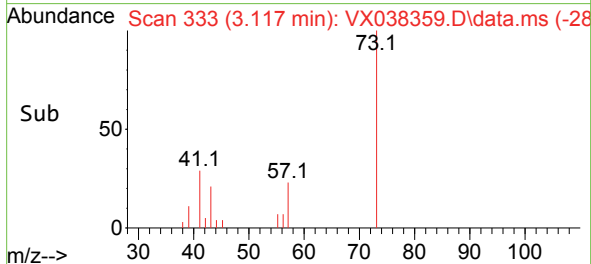
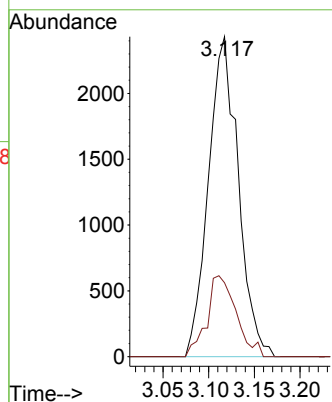
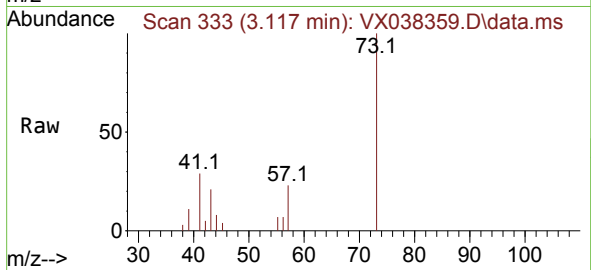




#19
Methyl tert-butyl Ether
Concen: 1.297 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

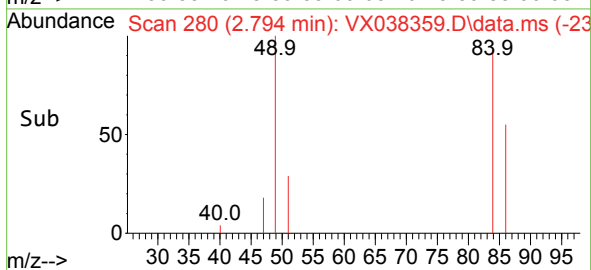
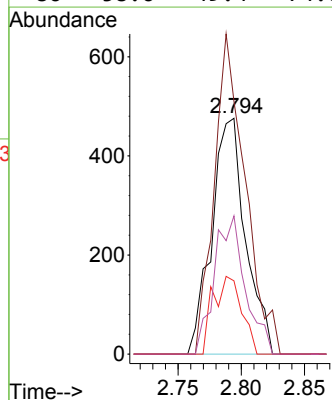
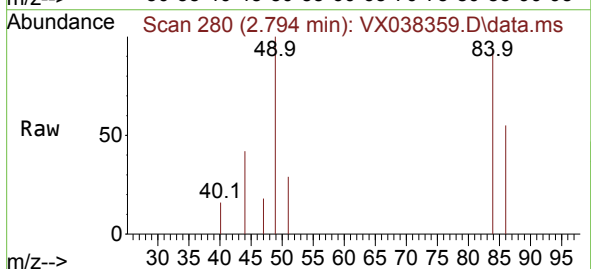
Instrument :
MSVOA_X
ClientSampleId :

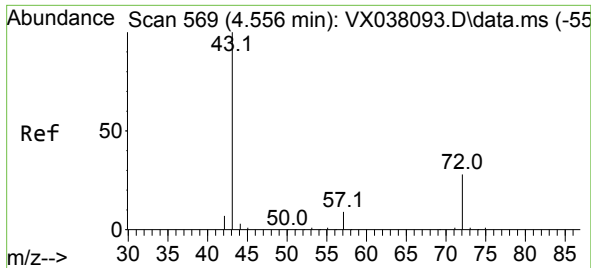
Tgt Ion: 73 Resp: 5505
Ion Ratio Lower Upper
73 100
57 23.1 17.3 25.9



#20
Methylene Chloride
Concen: 0.602 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Tgt Ion: 84 Resp: 886
Ion Ratio Lower Upper
84 100
49 107.1 103.6 155.4
51 31.1 33.8 50.6#
86 58.6 49.4 74.0

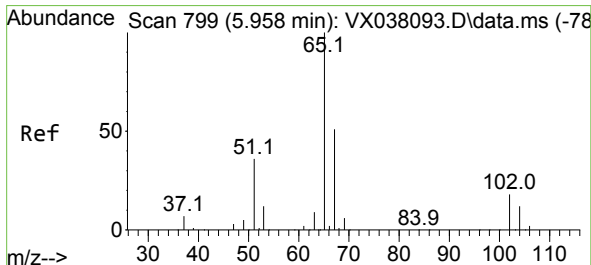
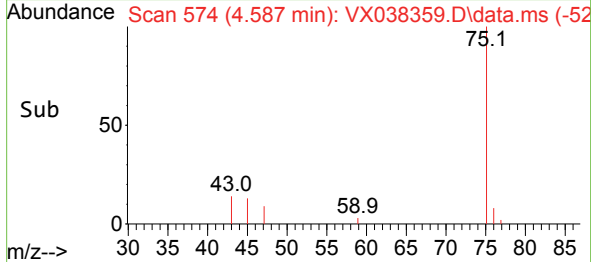
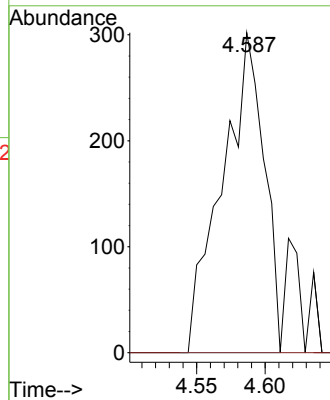
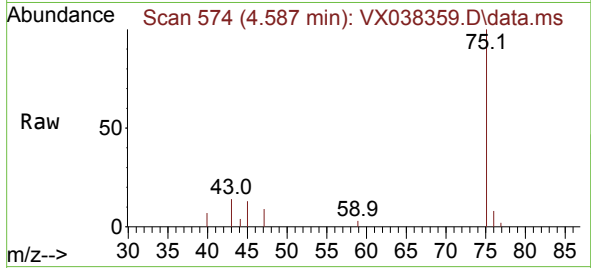




#25
2-Butanone
Concen: 0.509 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

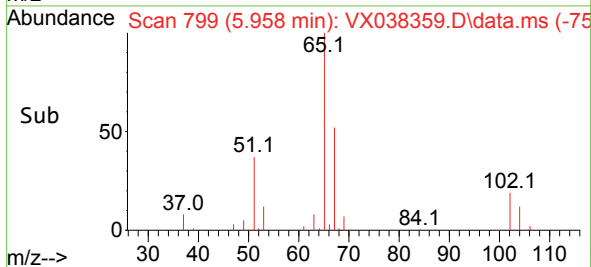
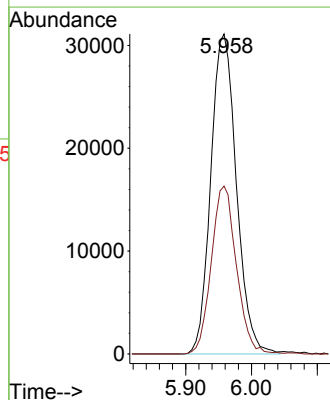
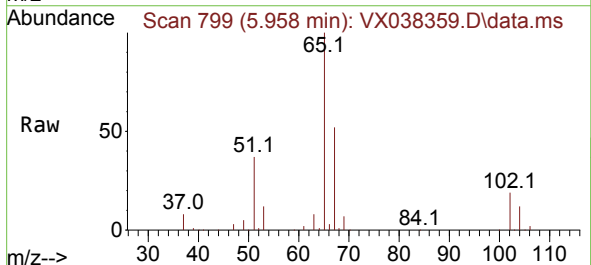
Instrument :
MSVOA_X
ClientSampleId :

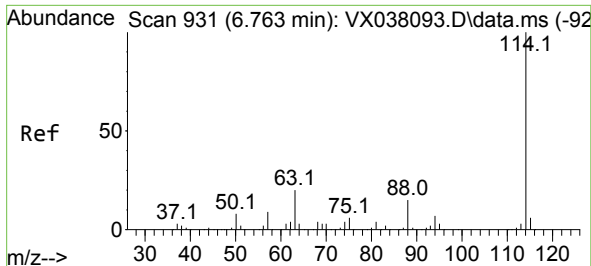
Tgt Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#33
1,2-Dichloroethane-d4
Concen: 45.025 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Tgt Ion: 65 Resp: 84354
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.2

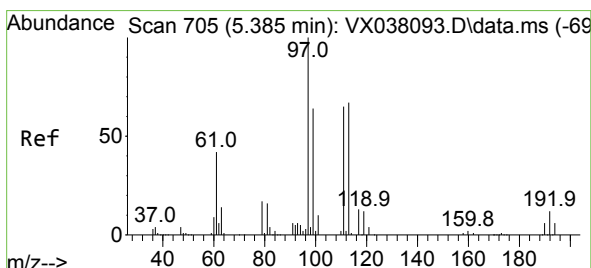
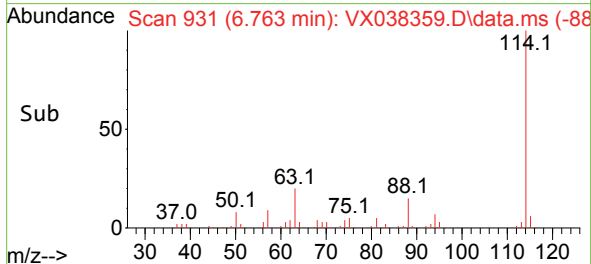
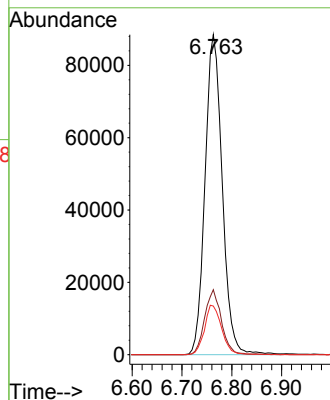
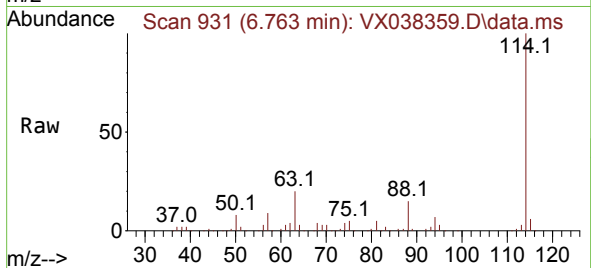




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

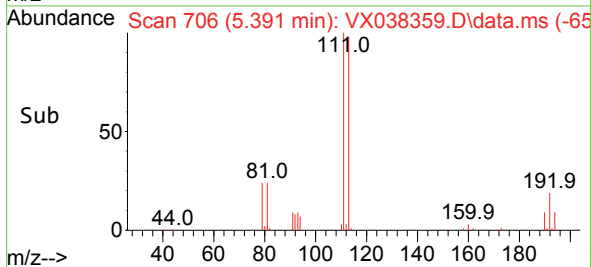
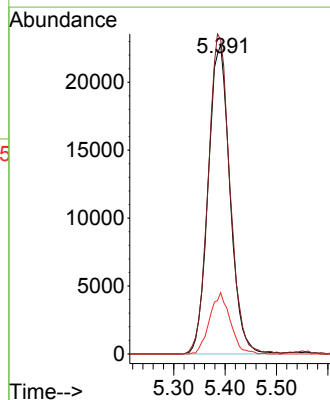
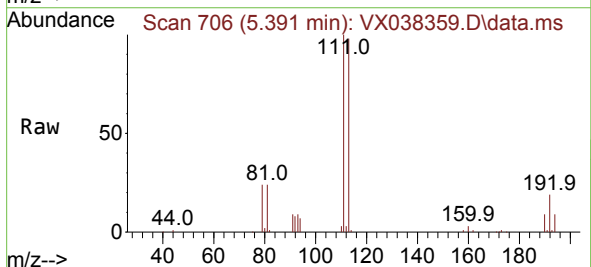
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MSVOA_X
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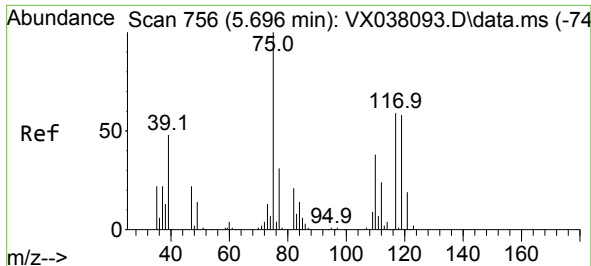
Tgt Ion:114 Resp: 212498
Ion Ratio Lower Upper
114 100
63 20.3 0.0 45.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.664 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

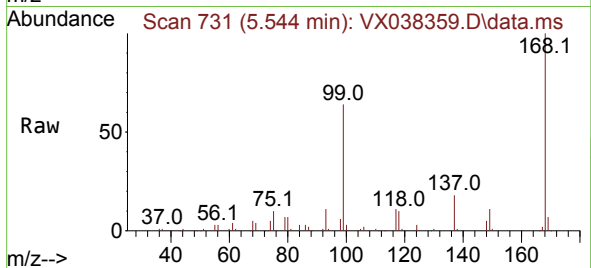
Tgt Ion:113 Resp: 66857
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 18.9 13.3 19.9



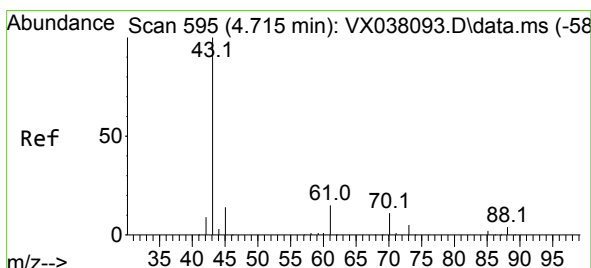
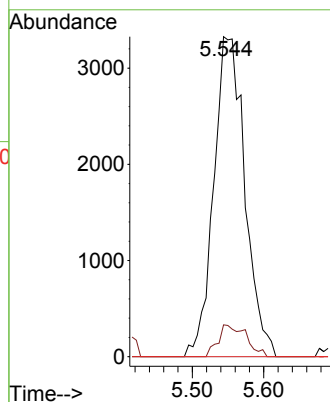
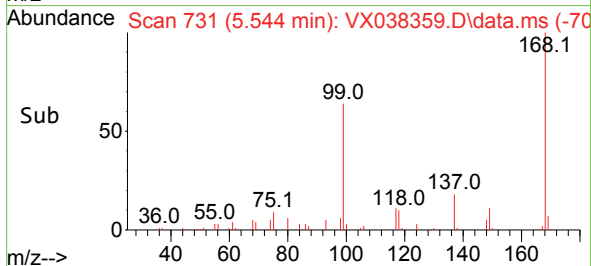


#36
1,1-Dichloropropene
Concen: 4.767 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Instrument :
MSVOA_X
ClientSampleId :

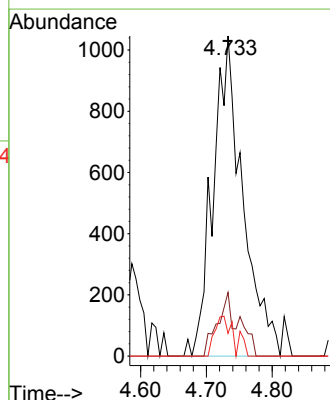
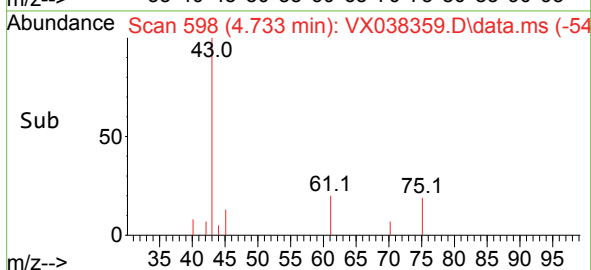
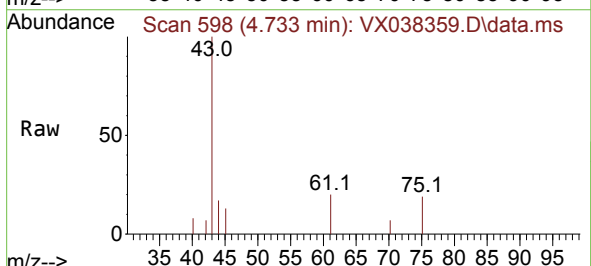


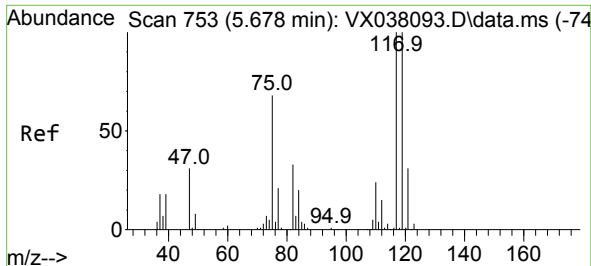
Tgt Ion: 75 Resp: 10065
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.312 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

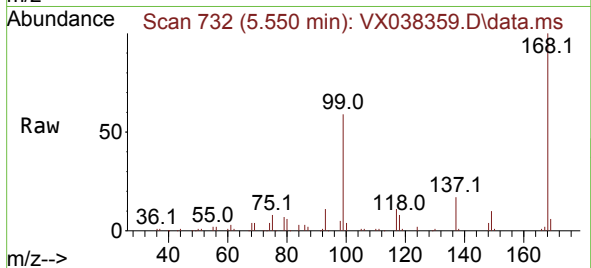
Tgt Ion: 43 Resp: 3291
Ion Ratio Lower Upper
43 100
61 10.0 10.6 16.0#
70 6.6 8.3 12.5#



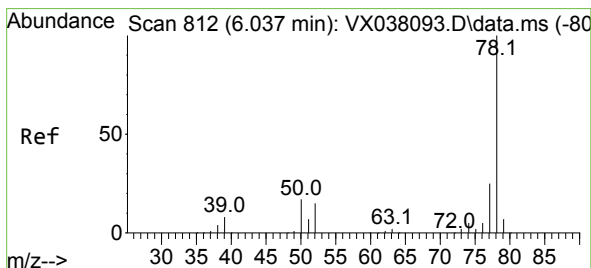
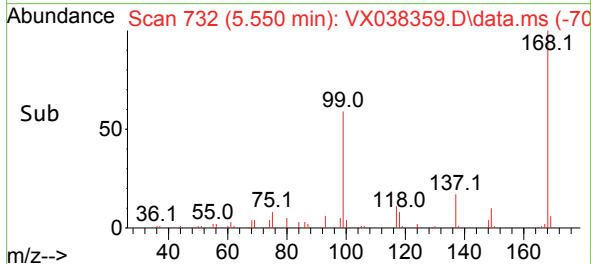
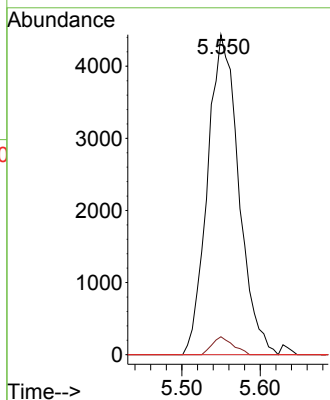


#38
Carbon Tetrachloride
Concen: 5.932 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Instrument :
MSVOA_X
ClientSampleId :

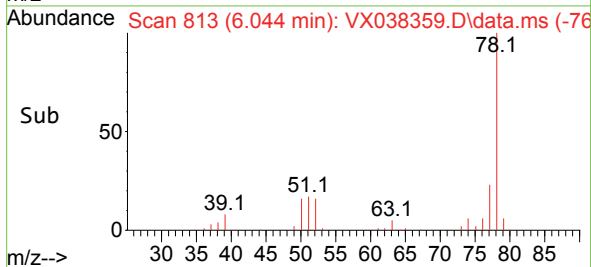
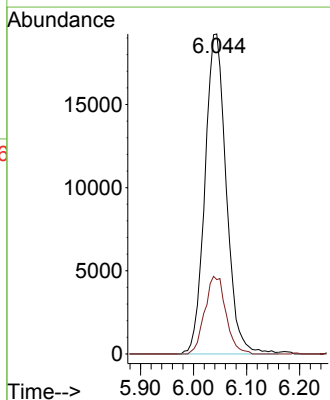
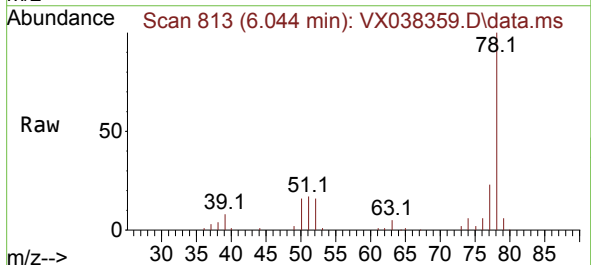


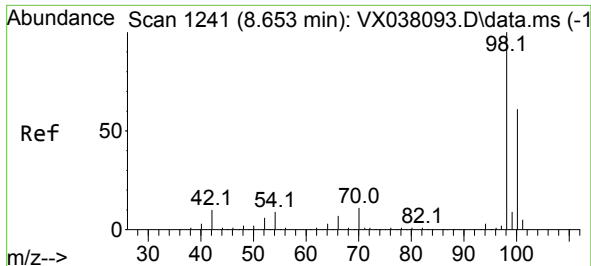
Tgt Ion:117 Resp: 12322
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 9.104 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Tgt Ion: 78 Resp: 53767
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9

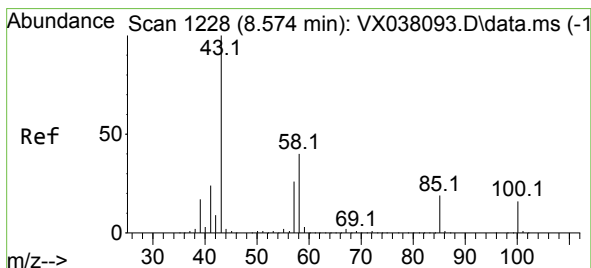
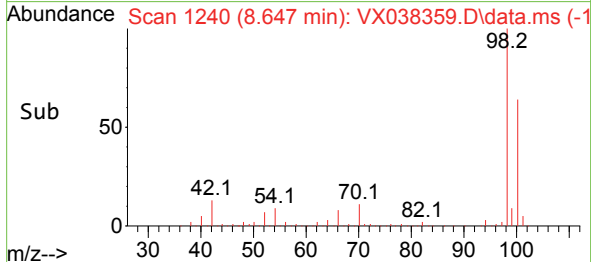
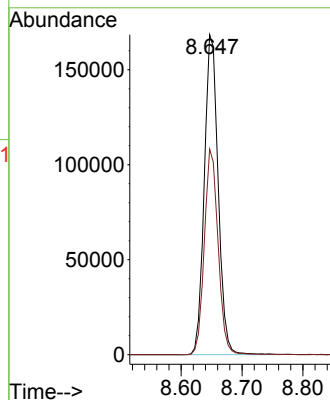
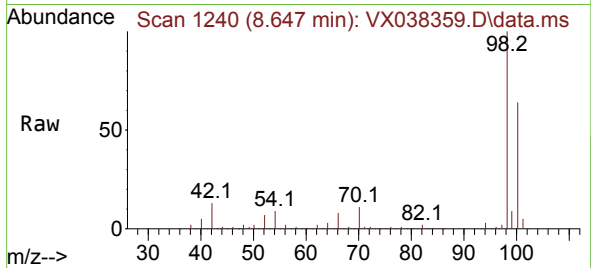




#50
Toluene-d8
Concen: 45.584 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

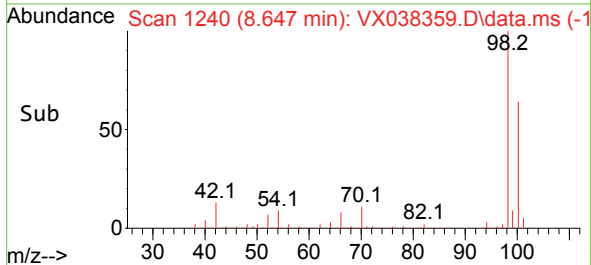
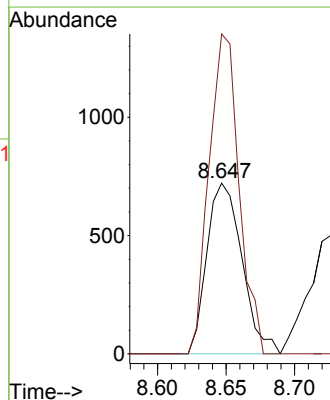
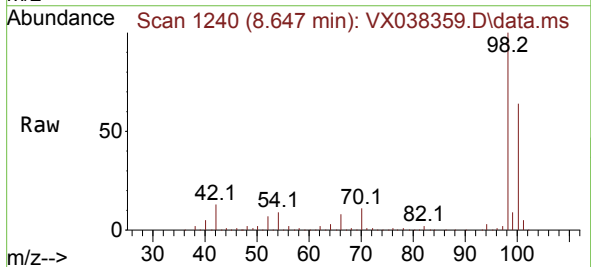
Instrument :
MSVOA_X
ClientSampleId :

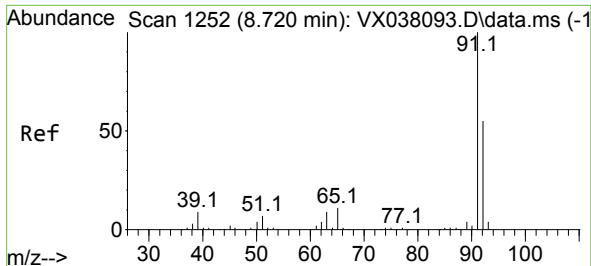
Tgt Ion: 98 Resp: 266714
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.498 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Tgt Ion: 43 Resp: 1287
Ion Ratio Lower Upper
43 100
58 160.5 30.4 45.6#

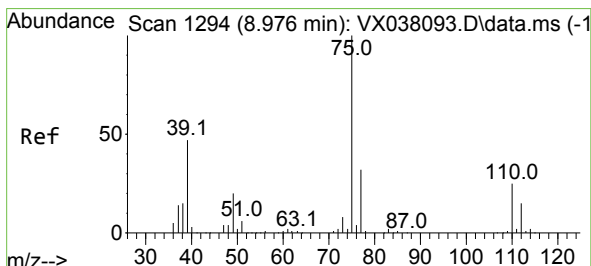
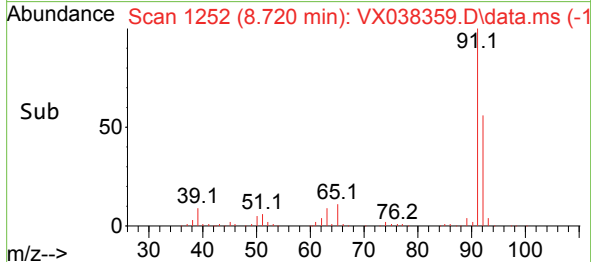
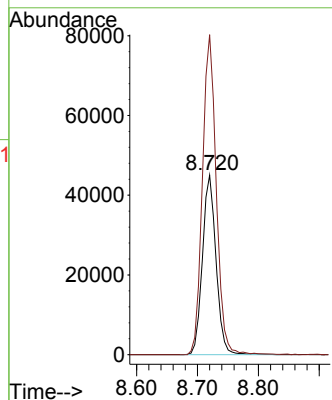
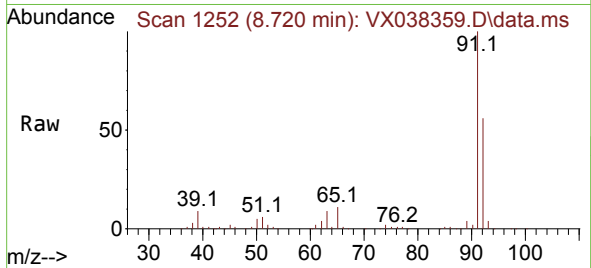




#52
Toluene
Concen: 18.185 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

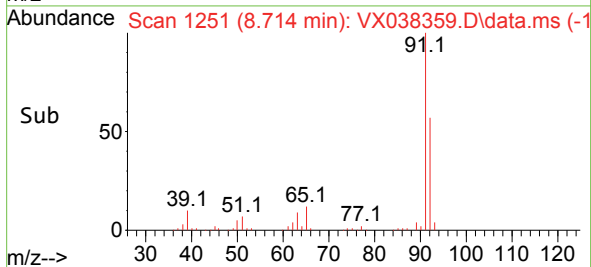
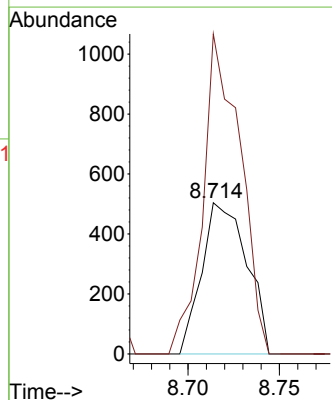
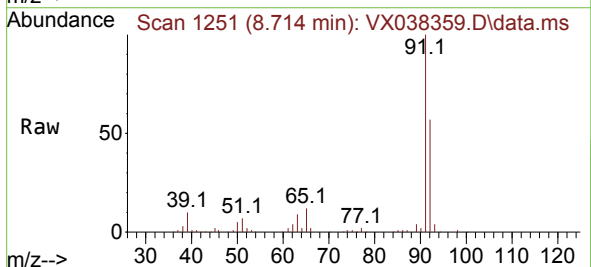
Instrument :
MSVOA_X
ClientSampleId :

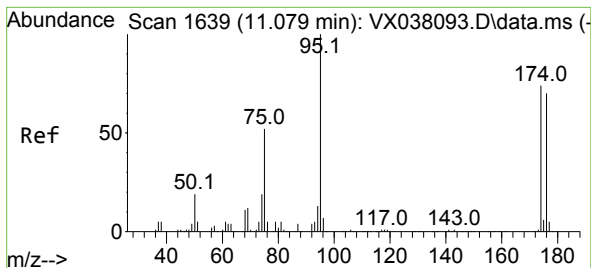
Tgt Ion: 92 Resp: 69959
Ion Ratio Lower Upper
92 100
91 181.5 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.383 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.262 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Tgt Ion: 75 Resp: 866
Ion Ratio Lower Upper
75 100
77 211.7 25.7 38.5#

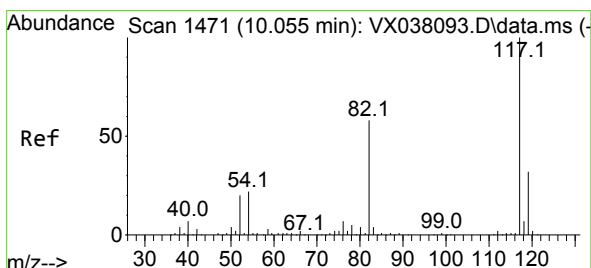
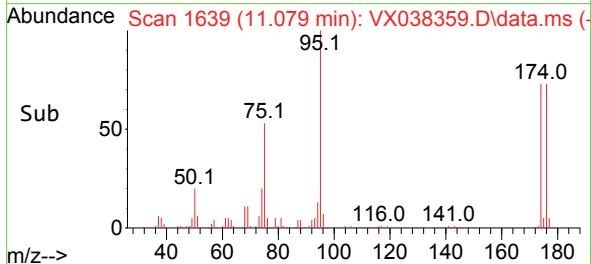
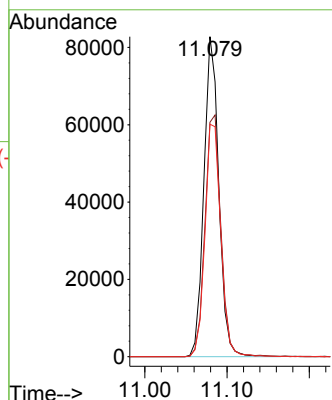
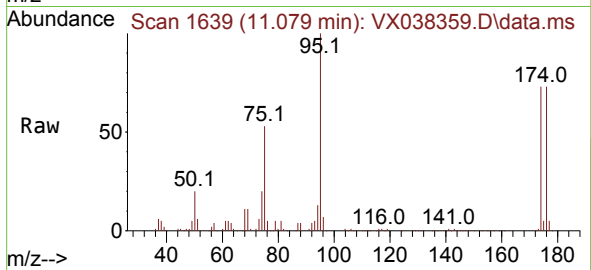




#62
4-Bromofluorobenzene
Concen: 46.938 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

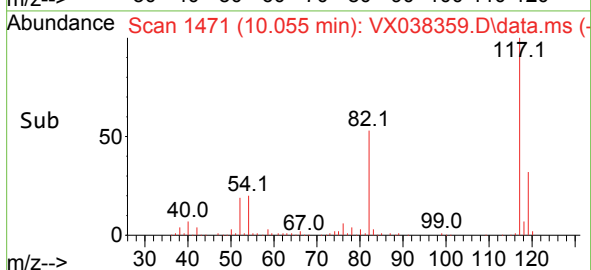
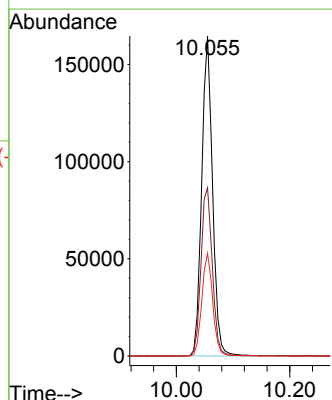
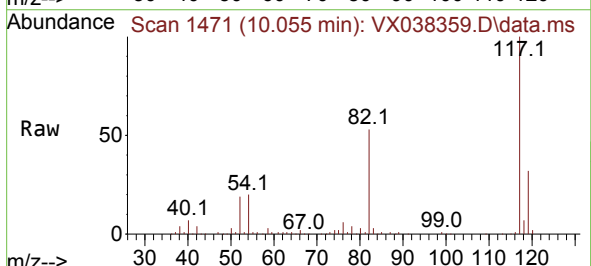
Instrument :
MSVOA_X
ClientSampleId :

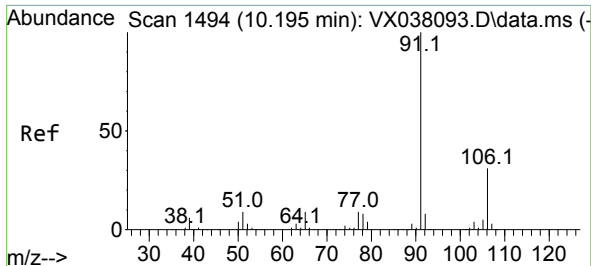
Tgt Ion: 95 Resp: 104118
Ion Ratio Lower Upper
95 100
174 80.7 0.0 135.6
176 77.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

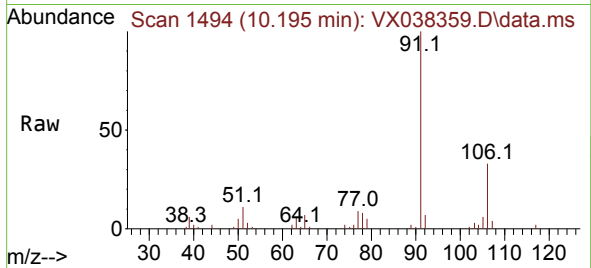
Tgt Ion: 117 Resp: 218625
Ion Ratio Lower Upper
117 100
82 52.6 46.2 69.4
119 32.1 25.5 38.3



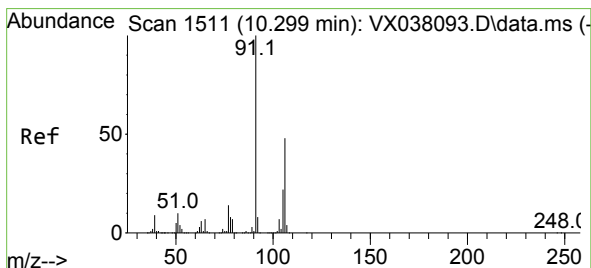
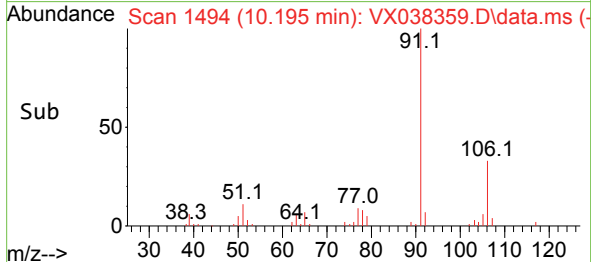
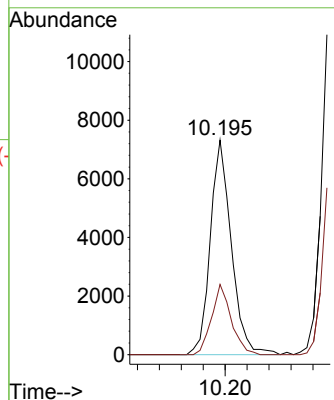


#67
Ethyl Benzene
Concen: 1.194 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Instrument :
MSVOA_X
ClientSampleId :

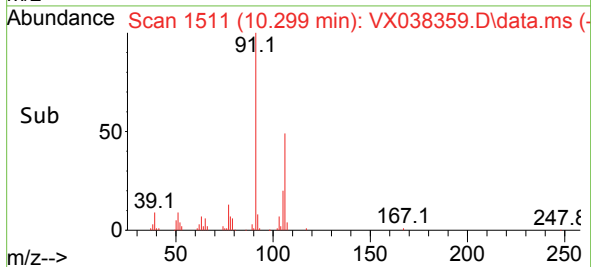
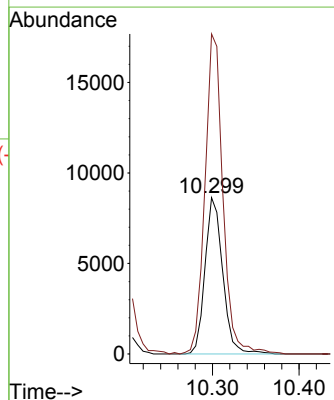
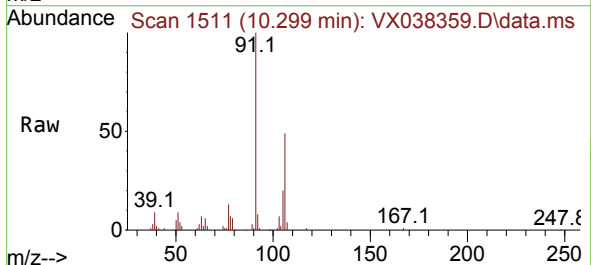


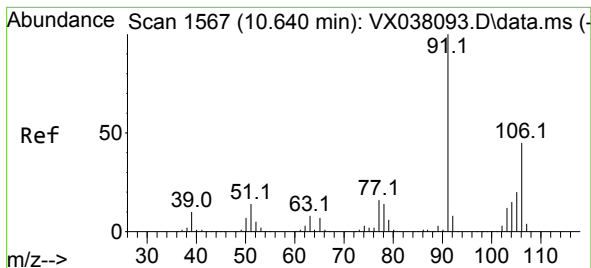
Tgt Ion: 91 Resp: 9748
Ion Ratio Lower Upper
91 100
106 32.7 24.9 37.3



#68
m/p-Xylenes
Concen: 3.888 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Tgt Ion:106 Resp: 12278
Ion Ratio Lower Upper
106 100
91 207.5 165.5 248.3





#69

o-Xylene

Concen: 1.980 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038359.D

Acq: 18 Oct 2023 13:53

Instrument :

MSVOA_X

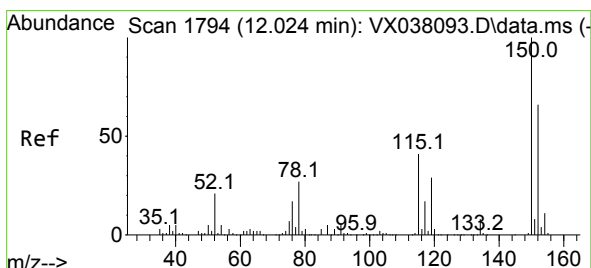
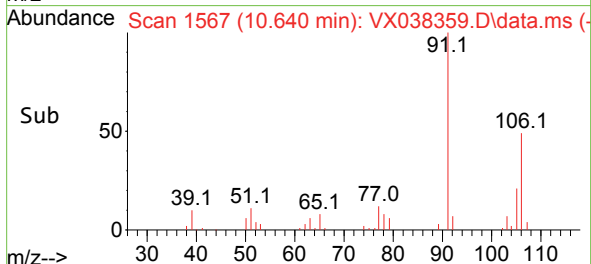
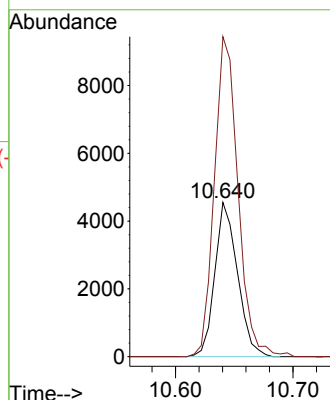
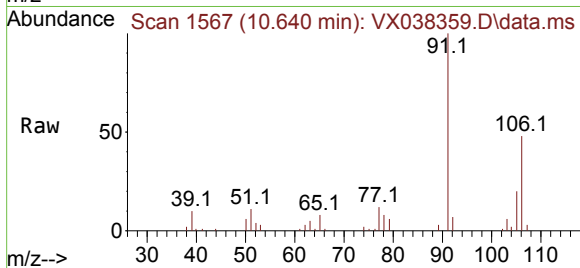
ClientSampleId :

Tgt Ion:106 Resp: 6103

Ion Ratio Lower Upper

106 100

91 216.5 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038359.D

Acq: 18 Oct 2023 13:53

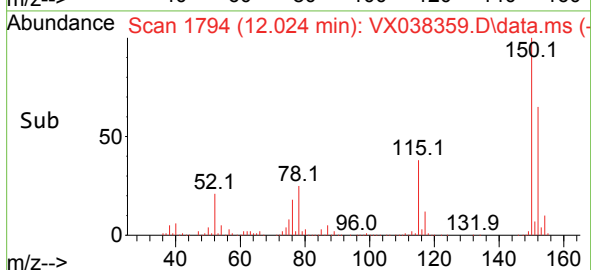
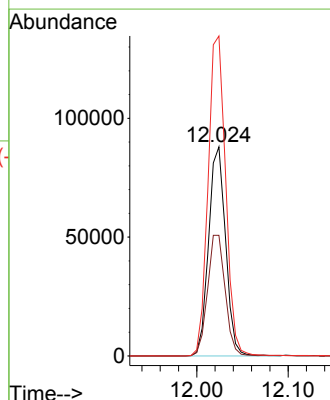
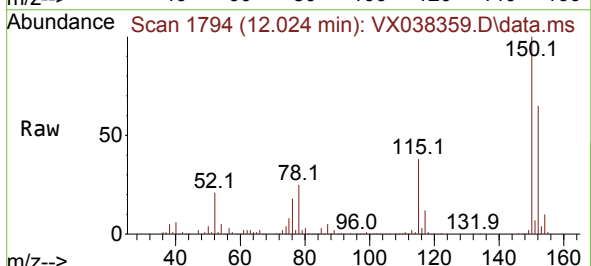
Tgt Ion:152 Resp: 113519

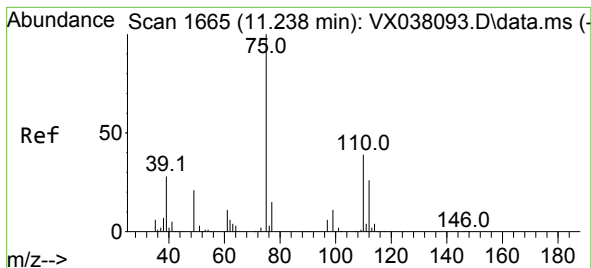
Ion Ratio Lower Upper

152 100

115 59.8 43.3 129.9

150 158.1 0.0 345.0

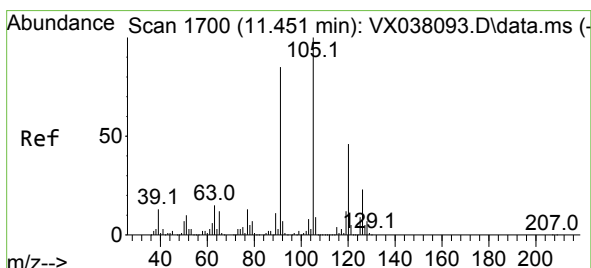
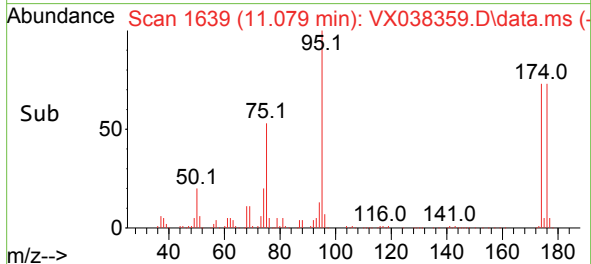
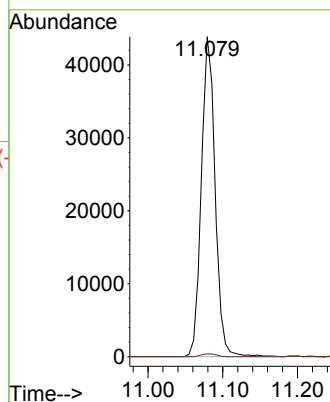
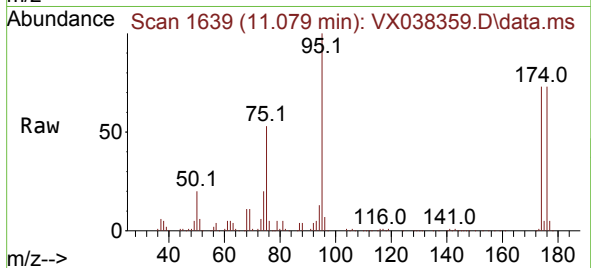




#76
1,2,3-Trichloropropane
Concen: 21.764 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.159 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

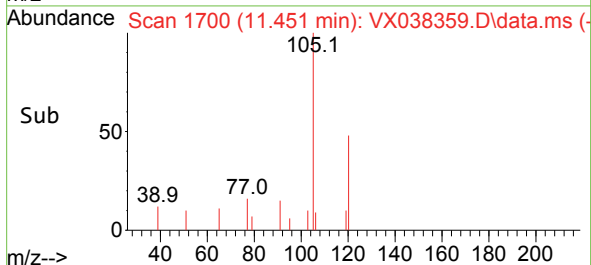
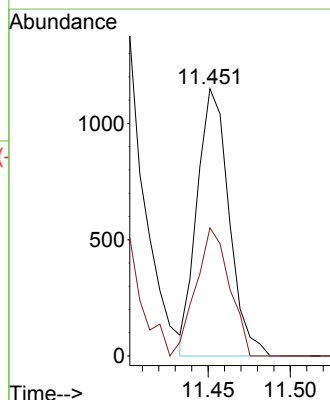
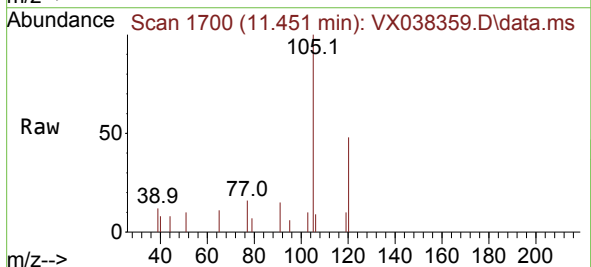
Instrument :
MSVOA_X
ClientSampleId :

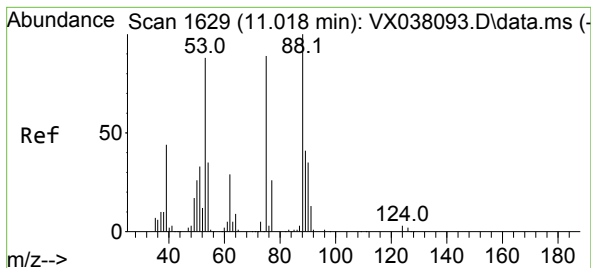
Tgt Ion: 75 Resp: 56166
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.236 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Tgt Ion: 105 Resp: 1549
Ion Ratio Lower Upper
105 100
120 50.4 24.1 72.3

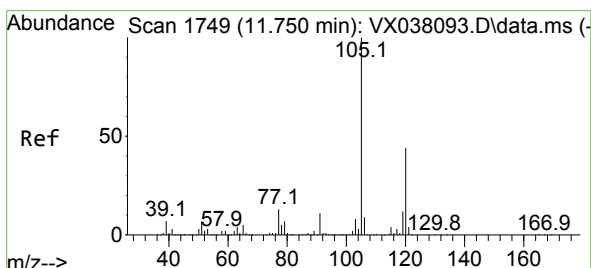
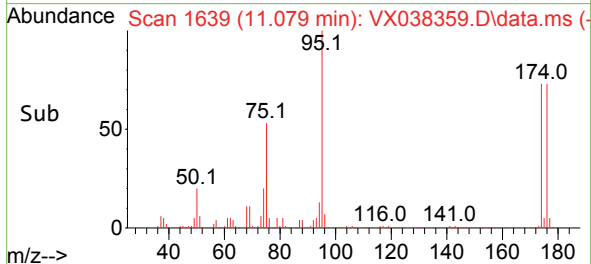
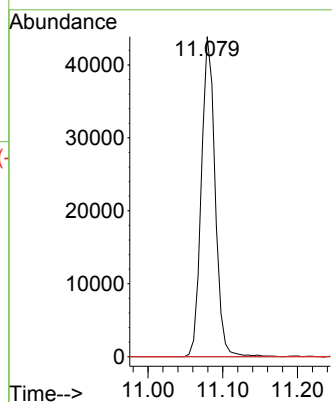
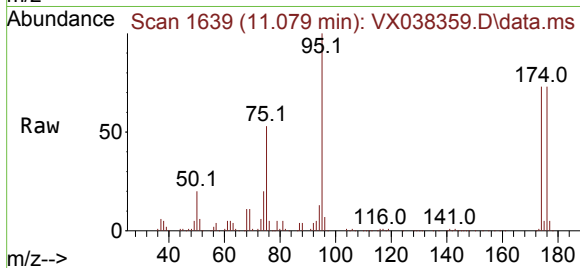




#81
trans-1,4-Dichloro-2-butene
Concen: 62.456 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

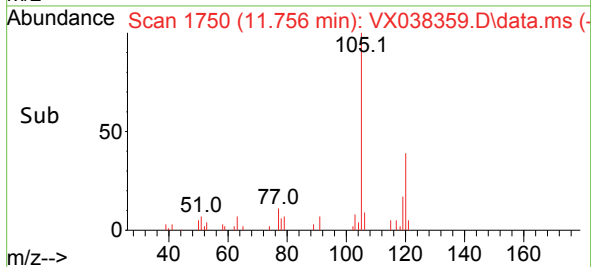
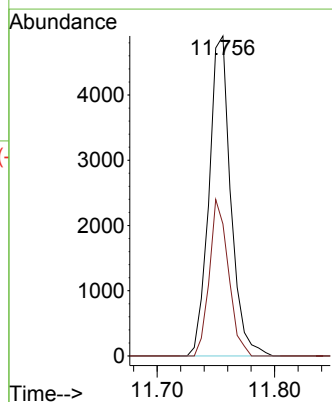
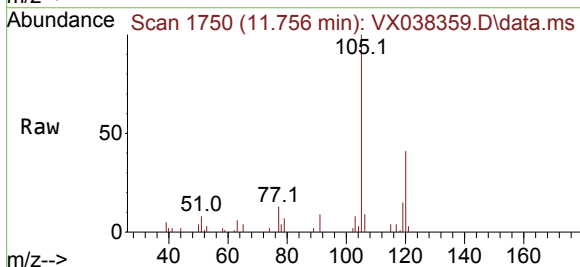
Instrument :
MSVOA_X
ClientSampleId :

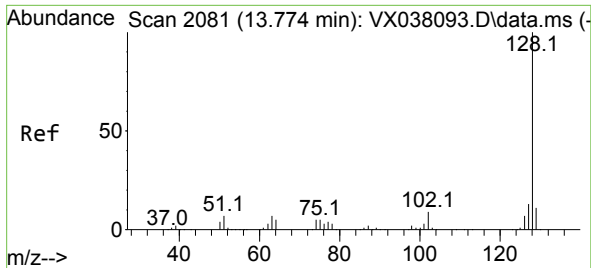
Tgt Ion: 75 Resp: 56166
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.964 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

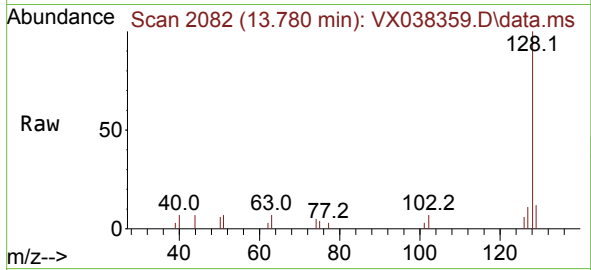
Tgt Ion: 105 Resp: 6315
Ion Ratio Lower Upper
105 100
120 42.7 21.2 63.6





#95
Naphthalene
Concen: 0.356 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX038359.D
Acq: 18 Oct 2023 13:53

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	2981
Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.3	15.5
129	9.0	8.8	13.2

