

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101123\
 Data File : VX038226.D
 Acq On : 11 Oct 2023 13:59
 Operator : JC/MD
 Sample : 04803-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 02:44:35 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)

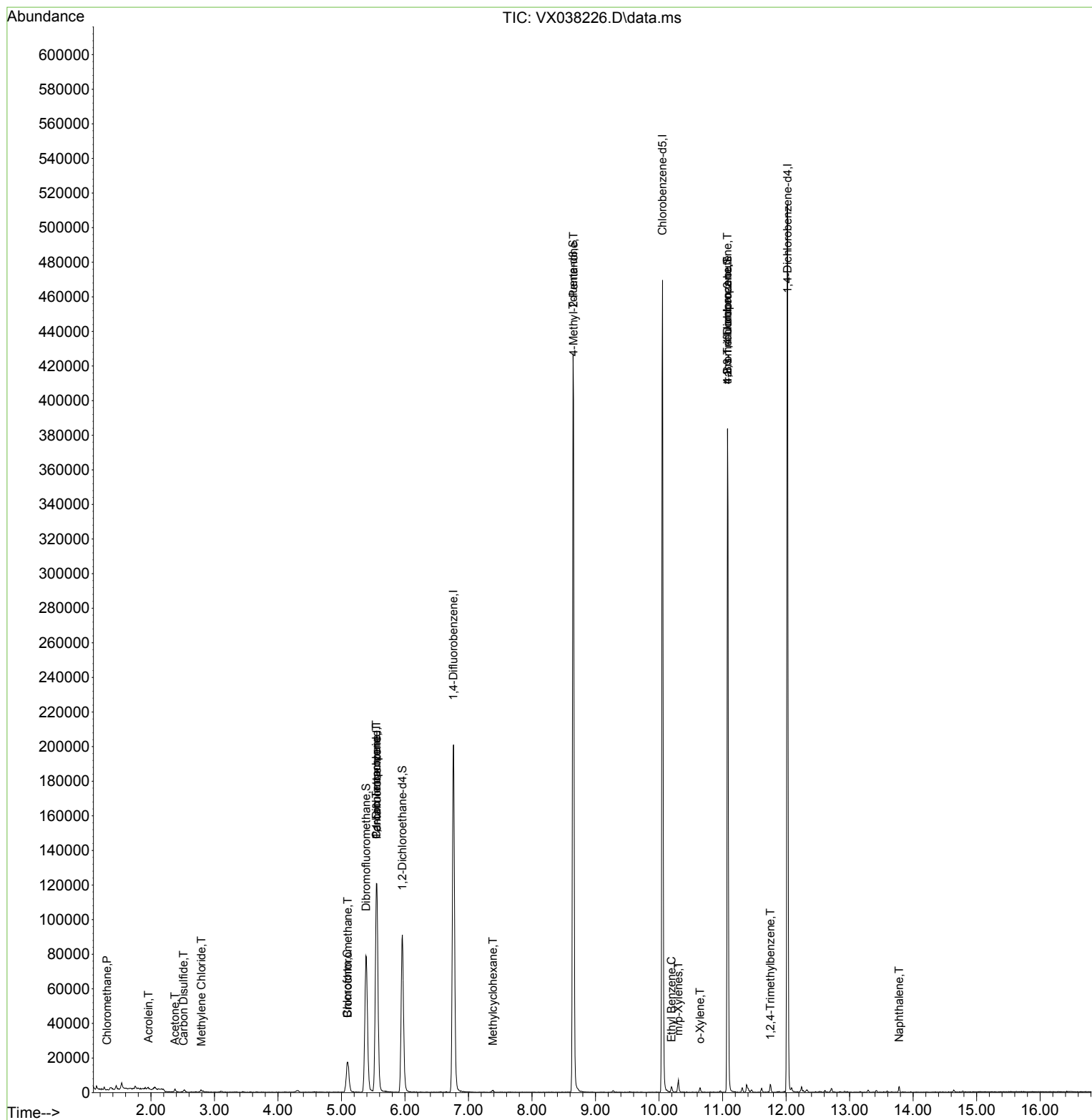
Internal Standards						
1) Pentafluorobenzene	5.556	168	115206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85843	46.326	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.660%
35) Dibromofluoromethane	5.385	113	68218	46.016	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.040%
50) Toluene-d8	8.647	98	257988	45.541	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.080%#
62) 4-Bromofluorobenzene	11.079	95	96382	44.878	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.760%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	315	0.278	ug/l #	43
5) Bromomethane	1.617	94	71	Below Cal	#	3
6) Chloroethane	1.691	64	238	Below Cal	#	43
13) Acrolein	1.959	56	87	0.330	ug/l #	79
16) Acetone	2.380	43	1740	2.250	ug/l	94
17) Carbon Disulfide	2.514	76	902	0.297	ug/l #	76
20) Methylene Chloride	2.794	84	490	0.337	ug/l #	92
28) Bromochloromethane	5.099	49	1831	1.691	ug/l #	16
30) Chloroform	5.092	83	21190	8.081	ug/l	95
36) 1,1-Dichloropropene	5.550	75	9823	4.805	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12356	6.144	ug/l #	15
39) Methylcyclohexane	7.385	83	576	0.241	ug/l #	94
51) 4-Methyl-2-Pentanone	8.653	43	1276	0.510	ug/l #	1
67) Ethyl Benzene	10.195	91	2082	0.271	ug/l #	88
68) m/p-Xylenes	10.305	106	1571	0.528	ug/l	92
69) o-Xylene	10.646	106	612	0.211	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	53721	22.550	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	53721	64.567	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2236	0.370	ug/l	94
95) Naphthalene	13.780	128	2177	0.281	ug/l	97

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

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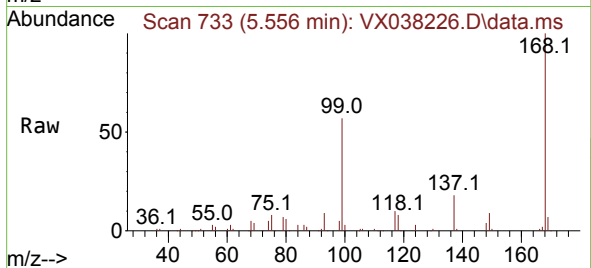
Quant Time: Oct 12 02:44:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
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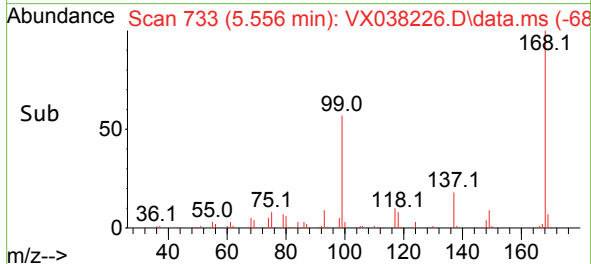
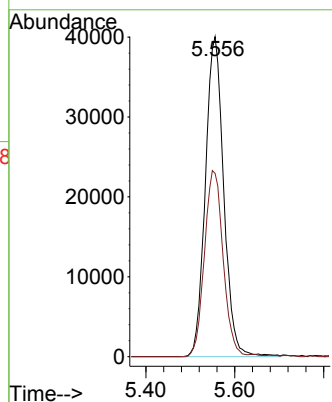


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Instrument :
MSVOA_X
ClientSampleId :

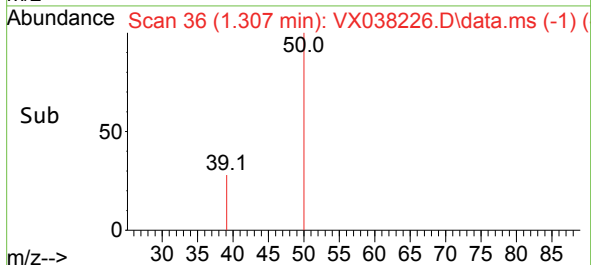
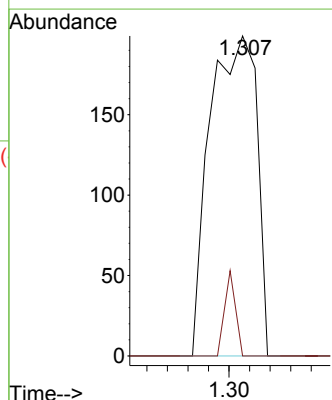
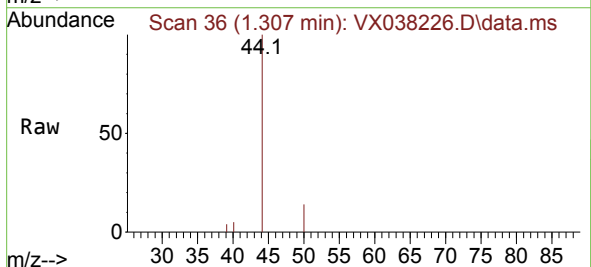


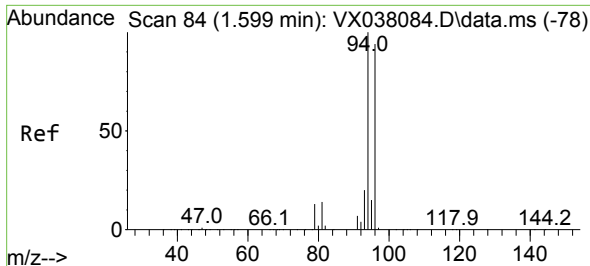
Tgt Ion:168 Resp: 115206
Ion Ratio Lower Upper
168 100
99 57.3 56.6 85.0



#3
Chloromethane
Concen: 0.278 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Tgt Ion: 50 Resp: 315
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

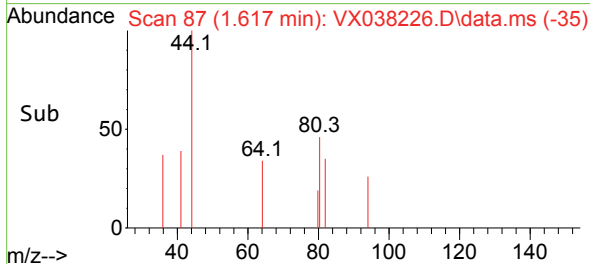
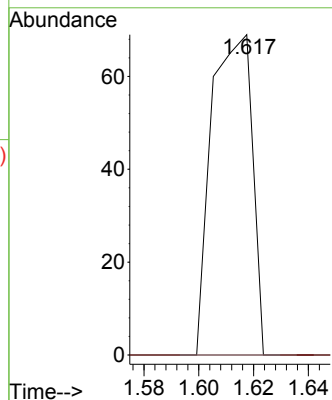
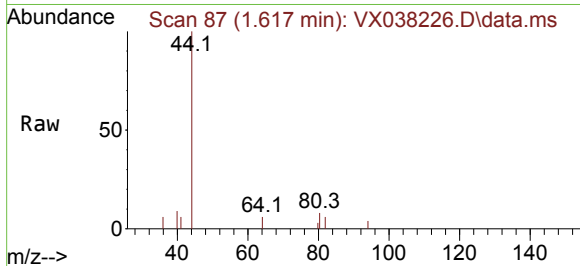




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

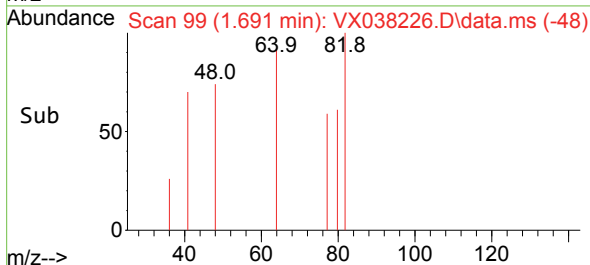
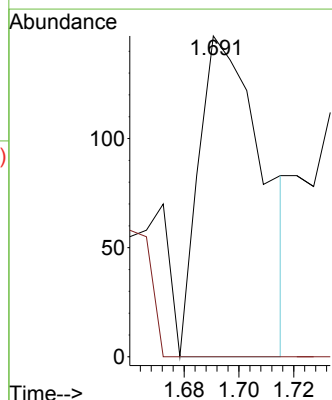
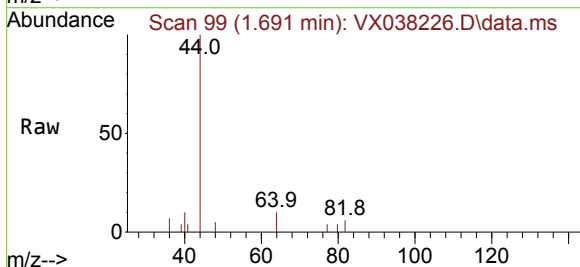
Instrument :
MSVOA_X
ClientSampleId :

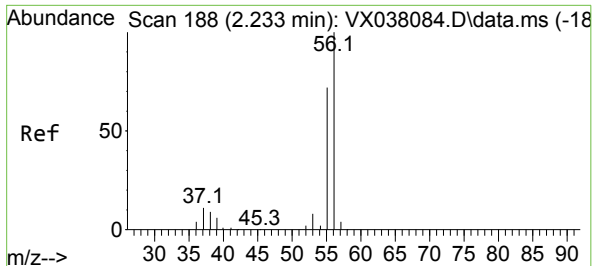
Tgt Ion: 94 Resp: 71
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Tgt Ion: 64 Resp: 238
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

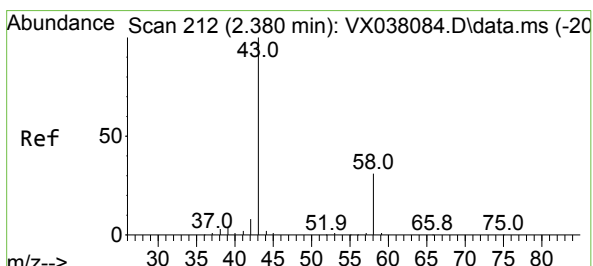
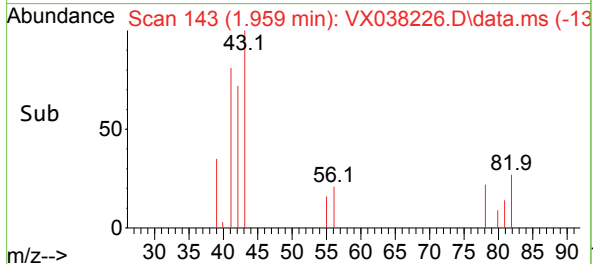
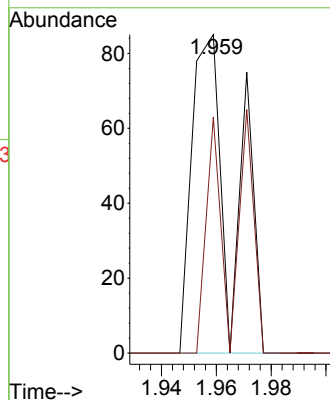
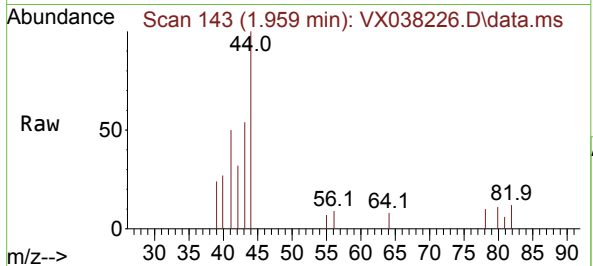




#13
Acrolein
Concen: 0.330 ug/l
RT: 1.959 min Scan# 14
Delta R.T. -0.274 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

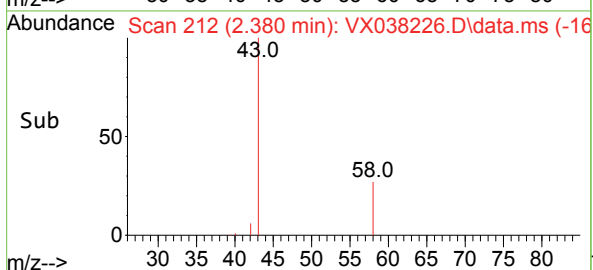
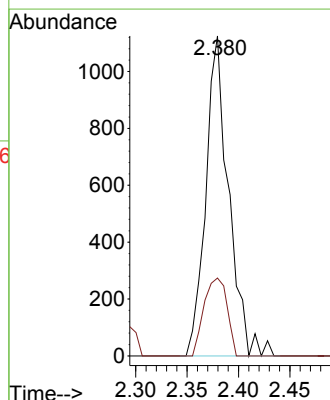
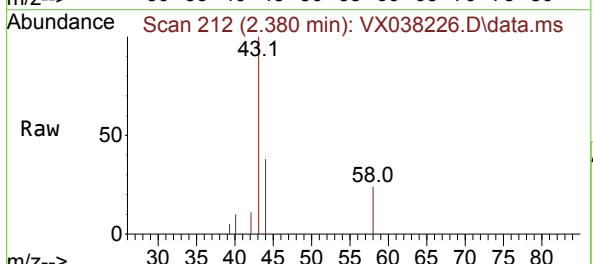
Instrument :
MSVOA_X
ClientSampleId :

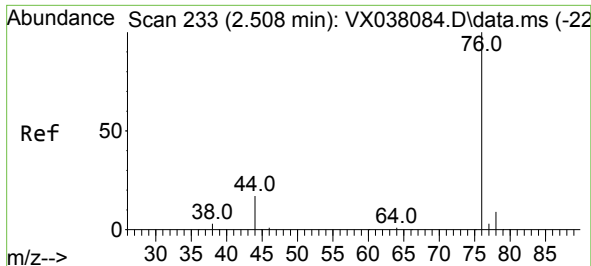
Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 54.0 57.1 85.7#



#16
Acetone
Concen: 2.250 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Tgt Ion: 43 Resp: 1740
Ion Ratio Lower Upper
43 100
58 24.4 21.9 32.9





#17

Carbon Disulfide

Concen: 0.297 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

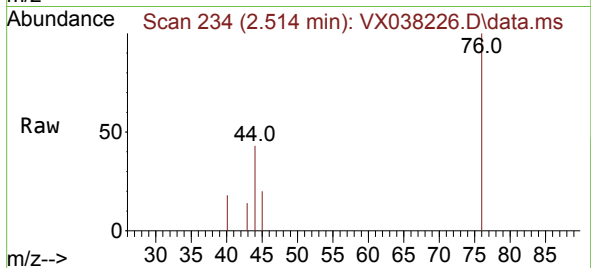
Lab File: VX038226.D

Acq: 11 Oct 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

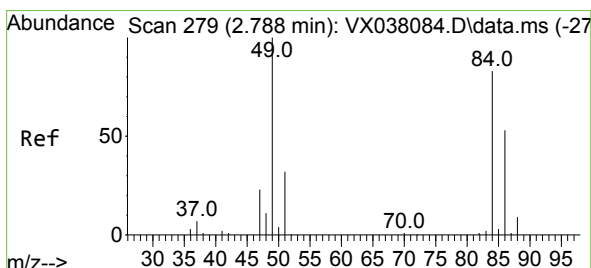
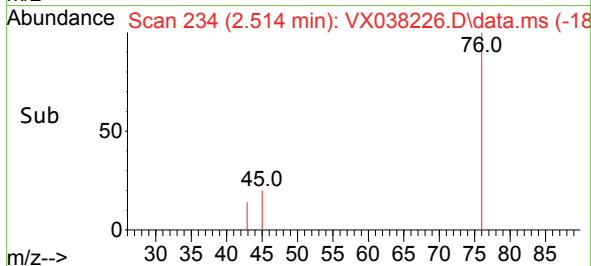
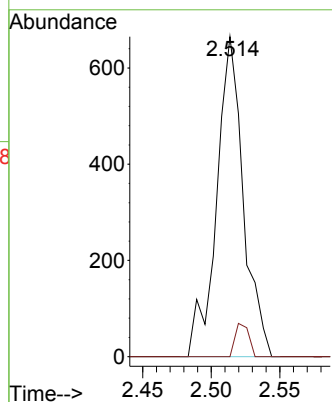


Tgt Ion: 76 Resp: 902

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.337 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX038226.D

Acq: 11 Oct 2023 13:59

Tgt Ion: 84 Resp: 490

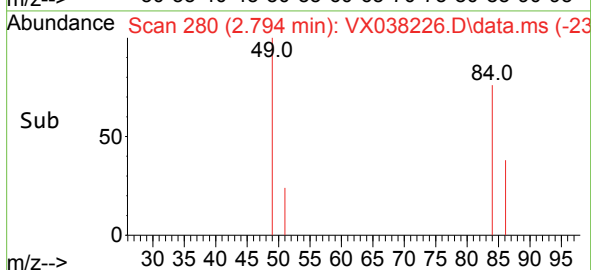
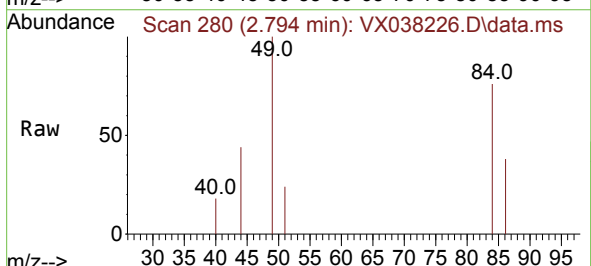
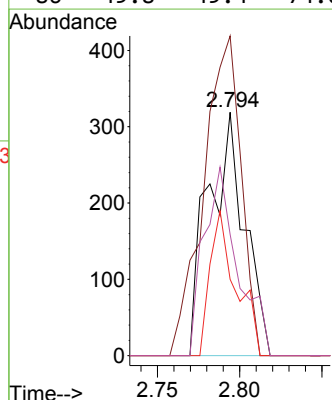
Ion Ratio Lower Upper

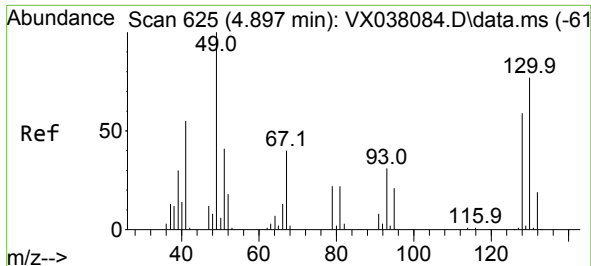
84 100

49 131.3 103.6 155.4

51 31.3 33.8 50.6#

86 49.8 49.4 74.0

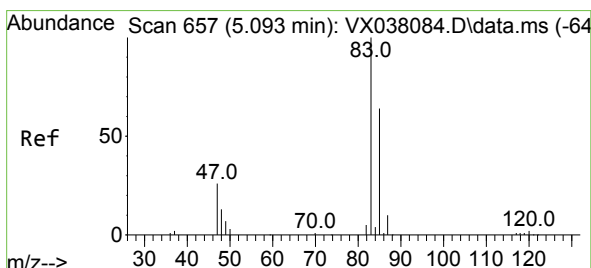
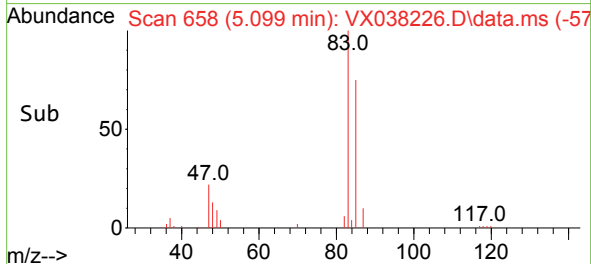
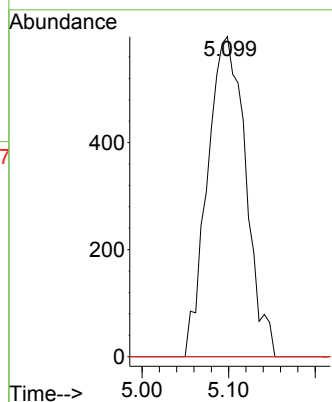
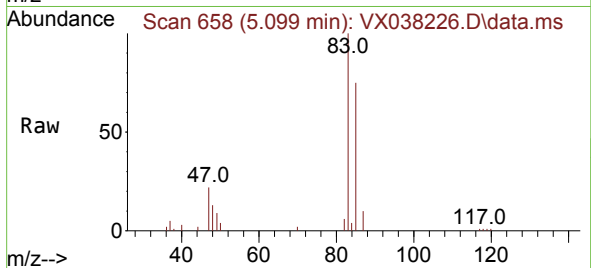




#28
Bromochloromethane
Concen: 1.691 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.202 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

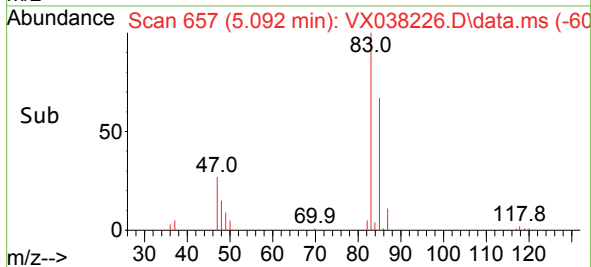
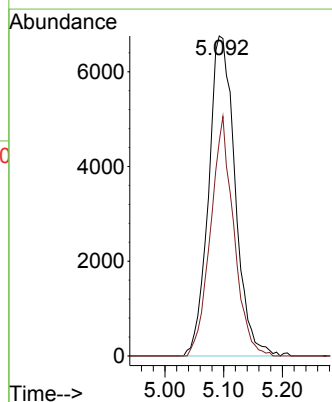
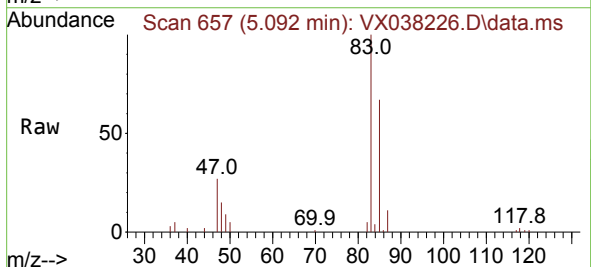
Instrument :
MSVOA_X
ClientSampleId :

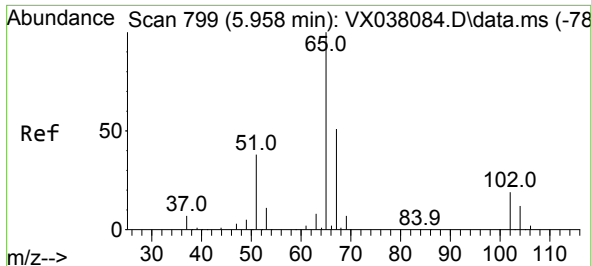
Tgt Ion: 49 Resp: 1831
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 8.081 ug/l
RT: 5.092 min Scan# 657
Delta R.T. -0.001 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Tgt Ion: 83 Resp: 21190
Ion Ratio Lower Upper
83 100
85 67.0 50.3 75.5

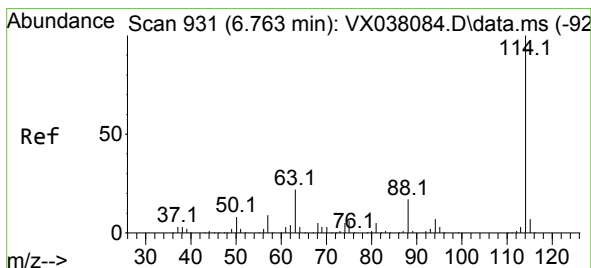
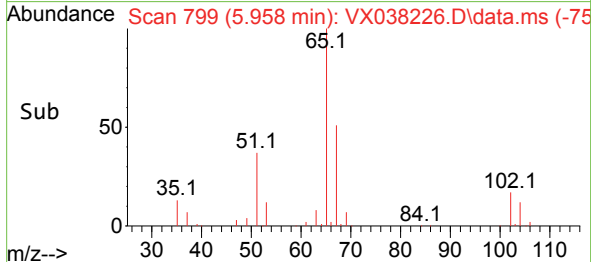
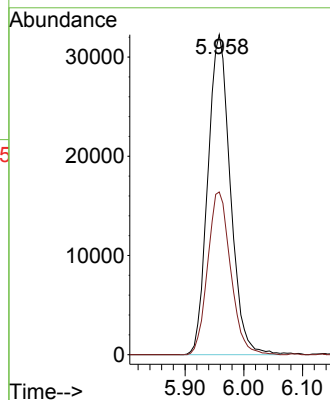
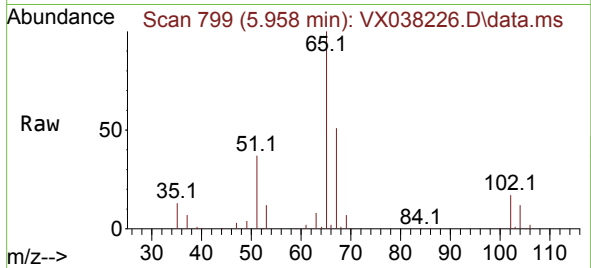




#33
1,2-Dichloroethane-d4
Concen: 46.326 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

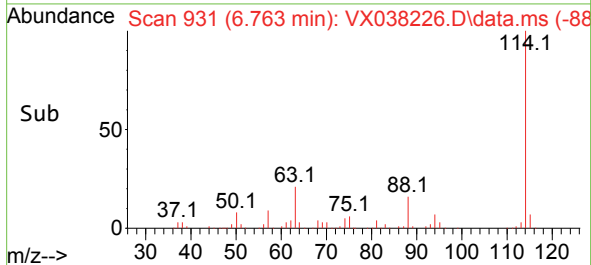
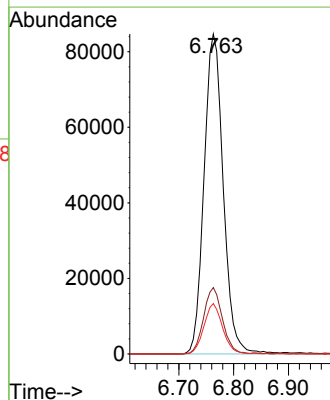
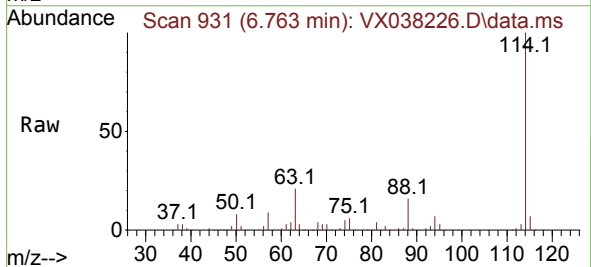
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ClientSampleId :

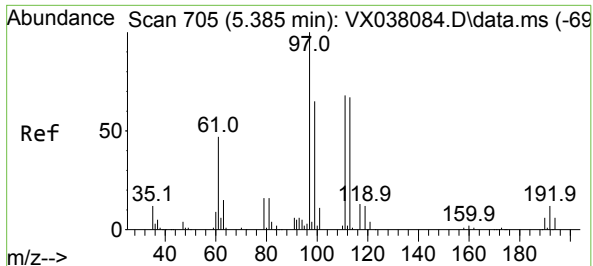
Tgt Ion: 65 Resp: 85843
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

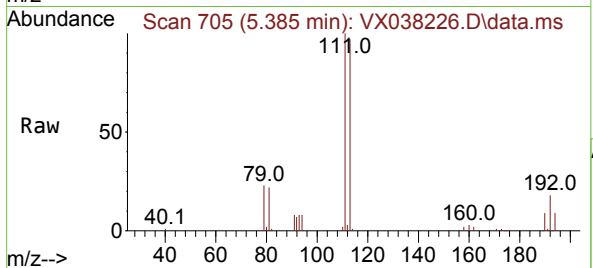
Tgt Ion:114 Resp: 205741
Ion Ratio Lower Upper
114 100
63 20.7 0.0 45.0
88 15.7 0.0 36.6



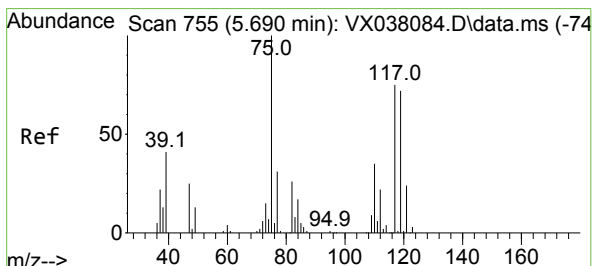
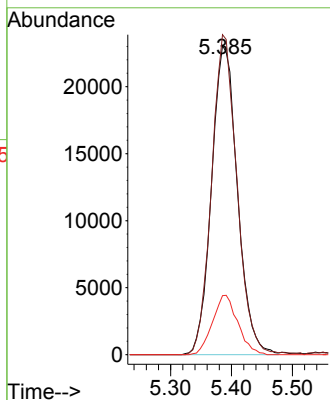
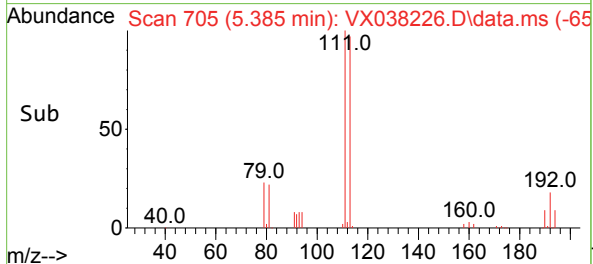


#35
Dibromofluoromethane
Concen: 46.016 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Instrument :
MSVOA_X
ClientSampleId :

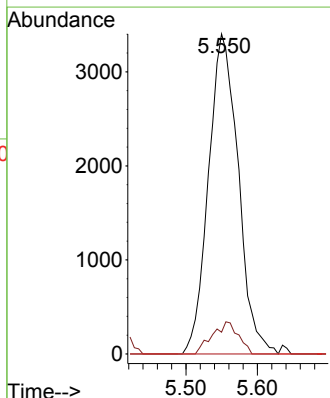
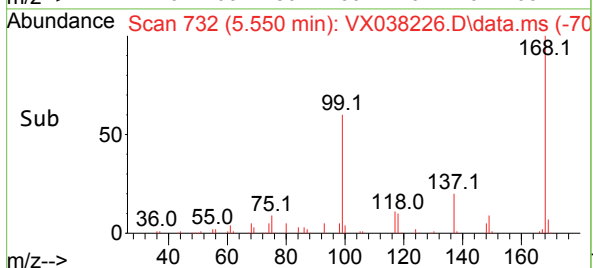
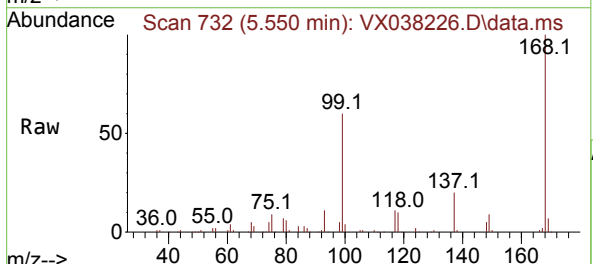


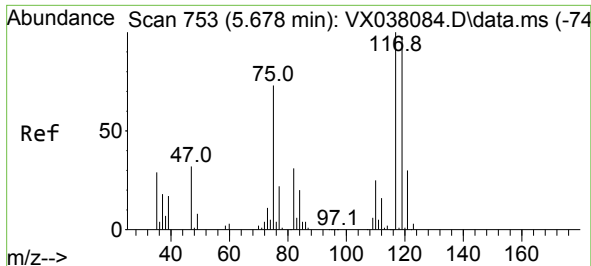
Tgt Ion:113 Resp: 68218
Ion Ratio Lower Upper
113 100
111 101.3 82.9 124.3
192 18.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.805 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

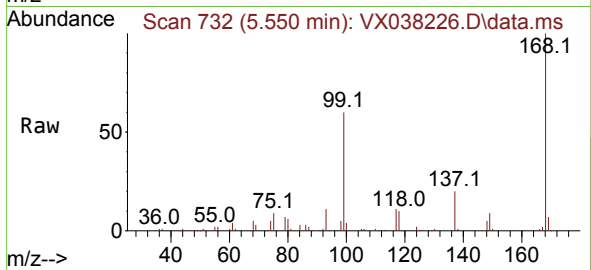
Tgt Ion: 75 Resp: 9823
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



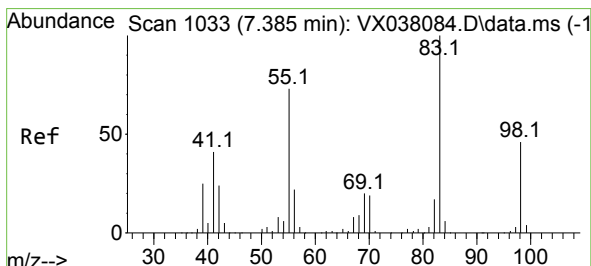
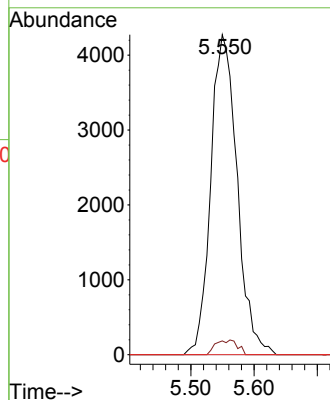
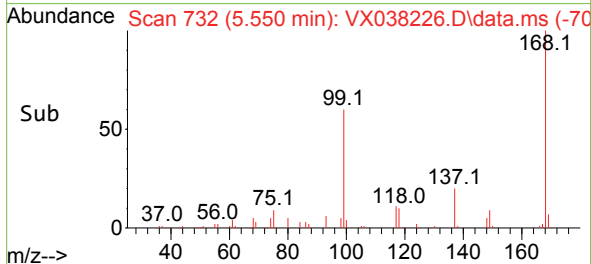


#38
Carbon Tetrachloride
Concen: 6.144 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Instrument :
MSVOA_X
ClientSampleId :

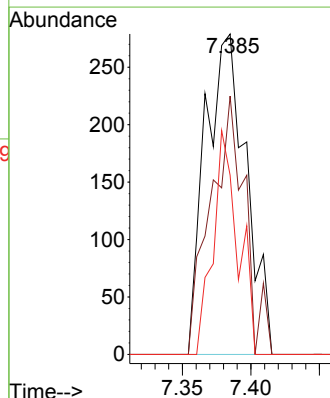
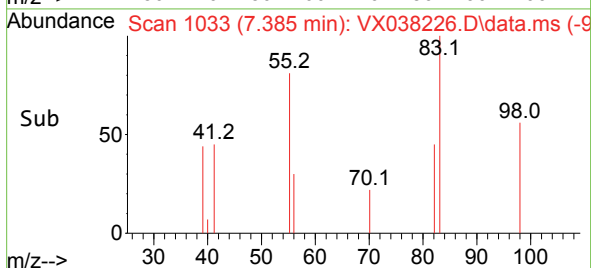
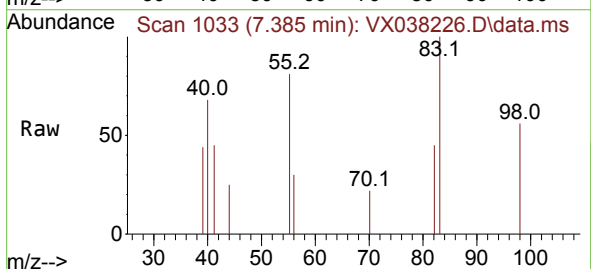


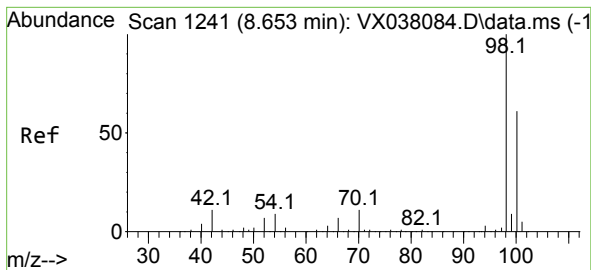
Tgt Ion:117 Resp: 12356
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.241 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Tgt Ion: 83 Resp: 576
Ion Ratio Lower Upper
83 100
55 80.6 64.6 97.0
98 55.9 36.7 55.1#





#50

Toluene-d8

Concen: 45.541 ug/l

RT: 8.647 min Scan# 1241

Delta R.T. -0.006 min

Lab File: VX038226.D

Acq: 11 Oct 2023 13:59

Instrument :

MSVOA_X

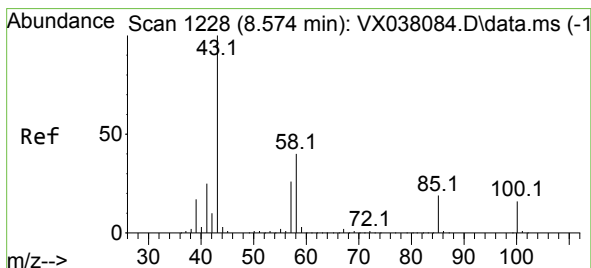
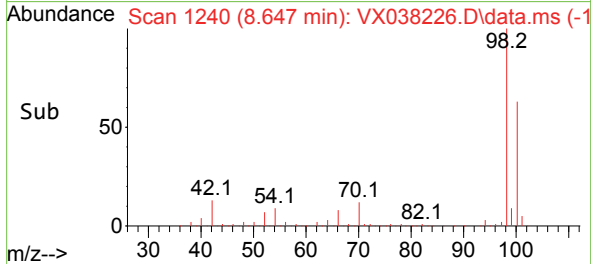
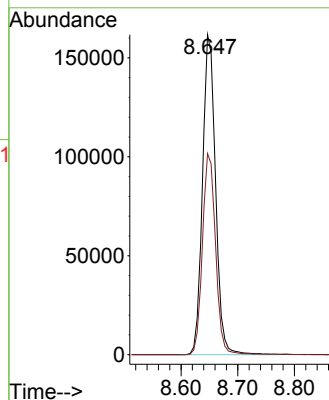
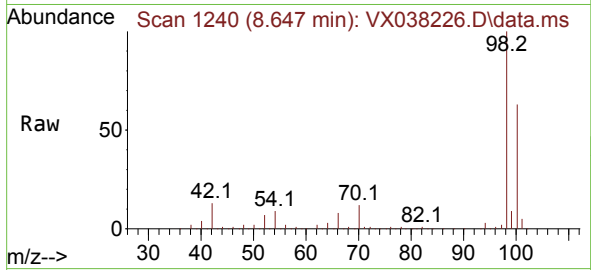
ClientSampleId :

Tgt Ion: 98 Resp: 257988

Ion Ratio Lower Upper

98 100

100 63.3 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.510 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX038226.D

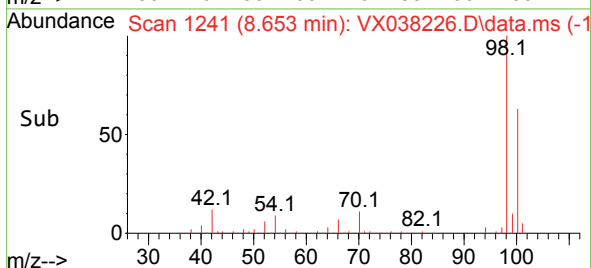
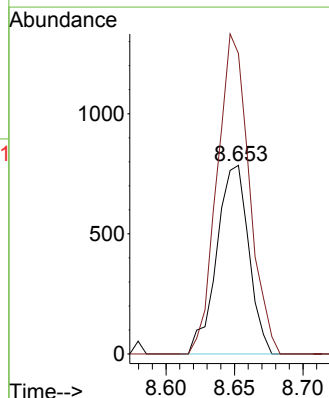
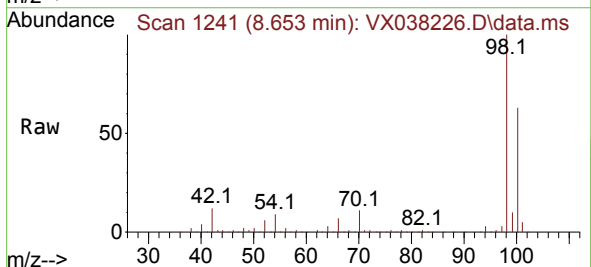
Acq: 11 Oct 2023 13:59

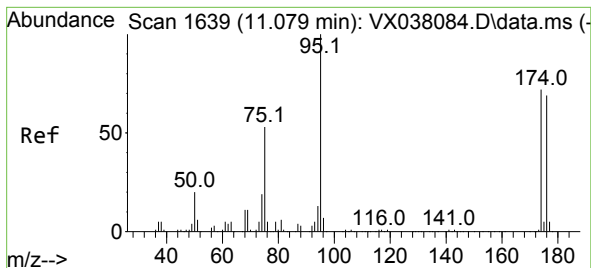
Tgt Ion: 43 Resp: 1276

Ion Ratio Lower Upper

43 100

58 170.2 30.4 45.6#

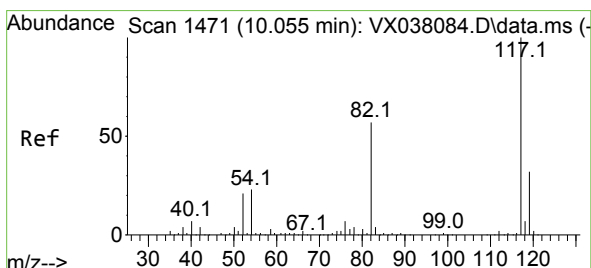
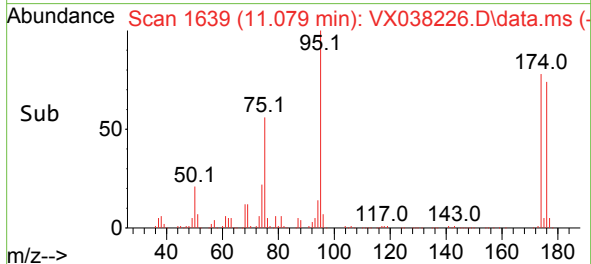
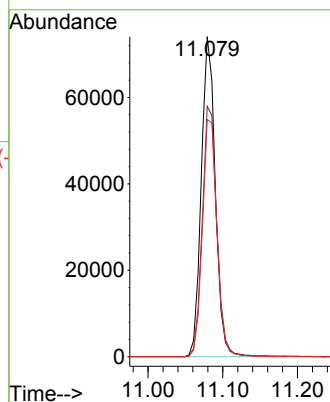
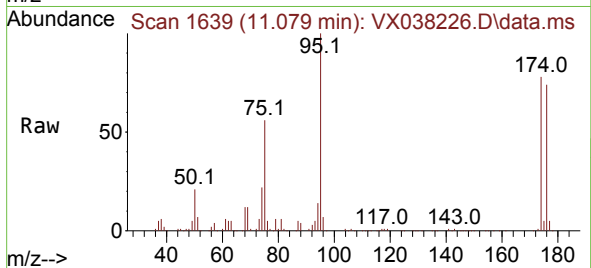




#62
4-Bromofluorobenzene
Concen: 44.878 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

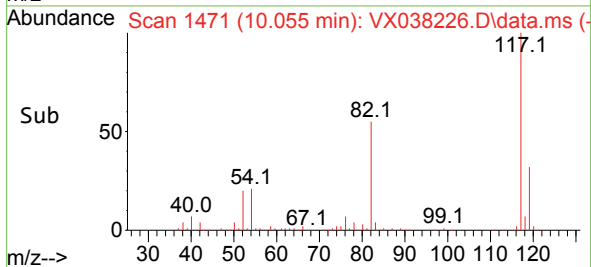
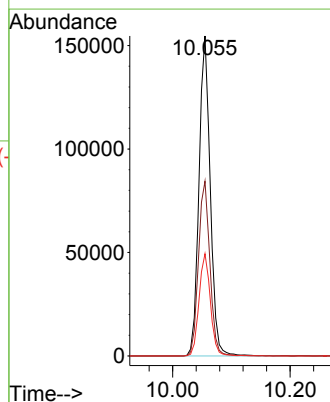
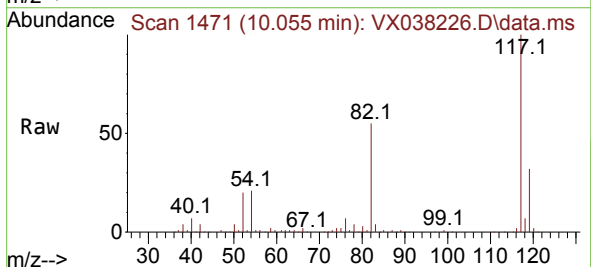
Instrument :
MSVOA_X
ClientSampleId :

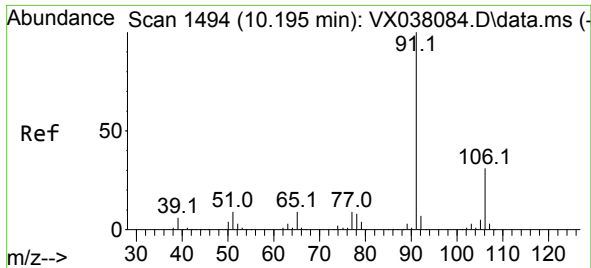
Tgt Ion: 95 Resp: 96382
Ion Ratio Lower Upper
95 100
174 81.0 0.0 135.6
176 77.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Tgt Ion: 117 Resp: 205974
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 32.0 25.5 38.3

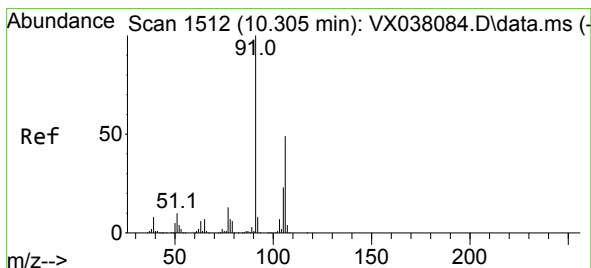
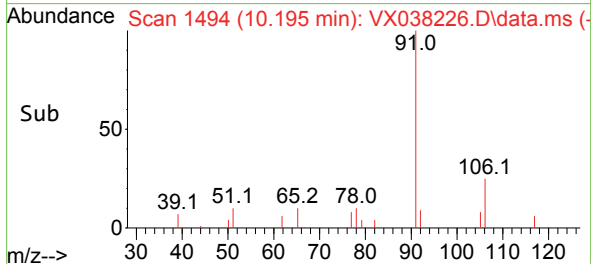
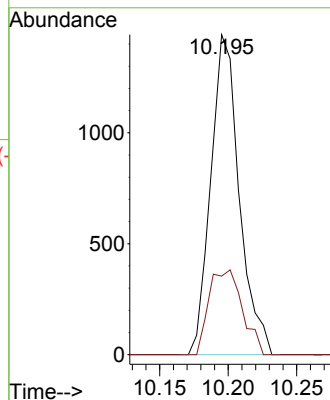
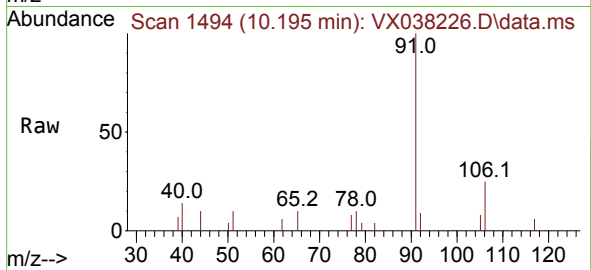




#67
Ethyl Benzene
Concen: 0.271 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

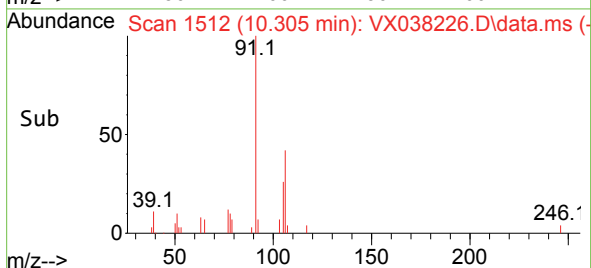
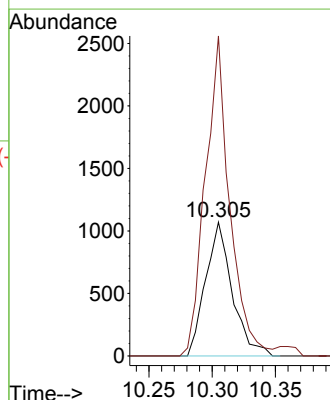
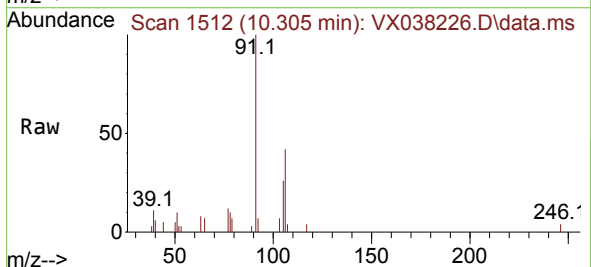
Instrument :
MSVOA_X
ClientSampleId :

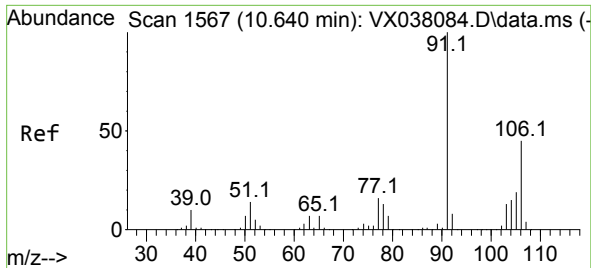
Tgt Ion: 91 Resp: 2082
Ion Ratio Lower Upper
91 100
106 24.5 24.9 37.3#



#68
m/p-Xylenes
Concen: 0.528 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Tgt Ion: 106 Resp: 1571
Ion Ratio Lower Upper
106 100
91 218.8 165.5 248.3

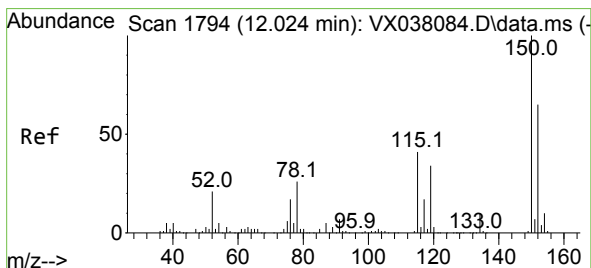
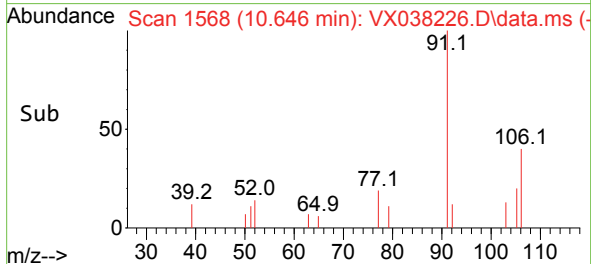
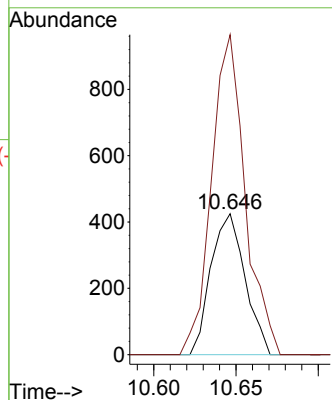
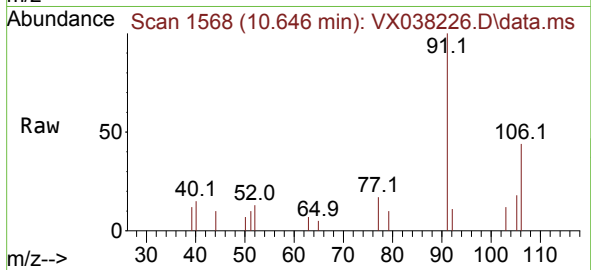




#69
o-Xylene
Concen: 0.211 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

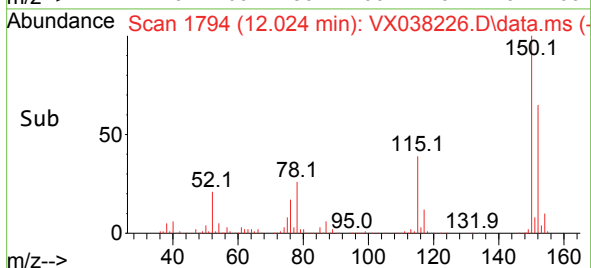
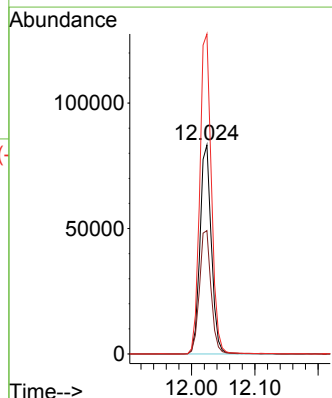
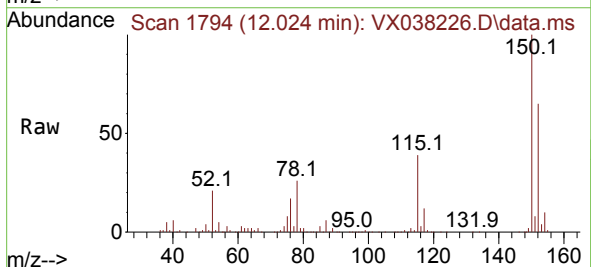
Instrument :
MSVOA_X
ClientSampleId :

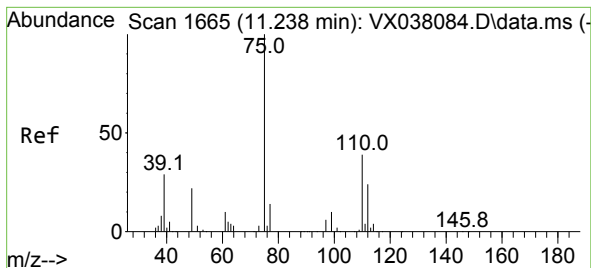
Tgt Ion:106 Resp: 612
Ion Ratio Lower Upper
106 100
91 224.0 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Tgt Ion:152 Resp: 104791
Ion Ratio Lower Upper
152 100
115 60.2 43.3 129.9
150 155.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.550 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038226.D

Acq: 11 Oct 2023 13:59

Instrument :

MSVOA_X

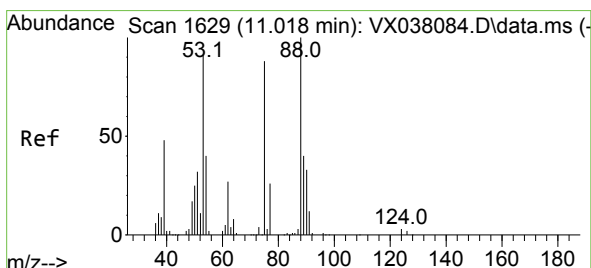
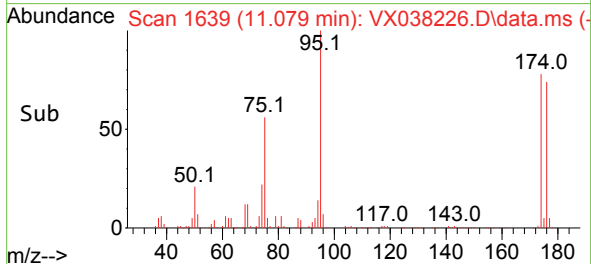
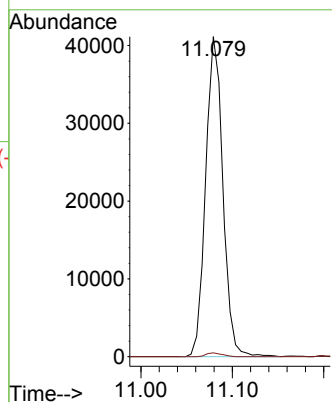
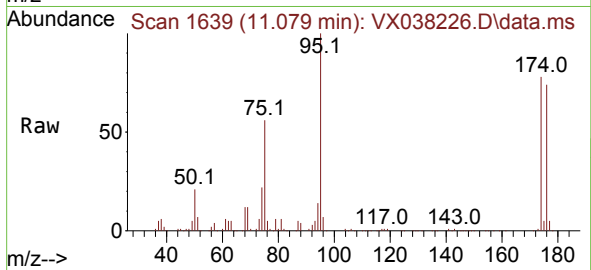
ClientSampleId :

Tgt Ion: 75 Resp: 53721

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.567 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038226.D

Acq: 11 Oct 2023 13:59

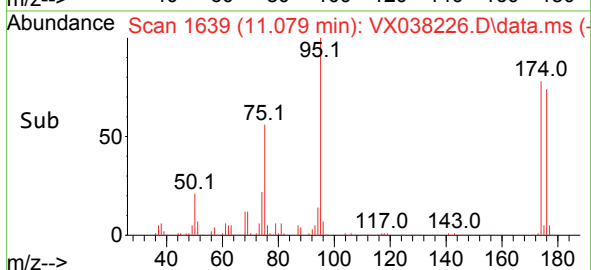
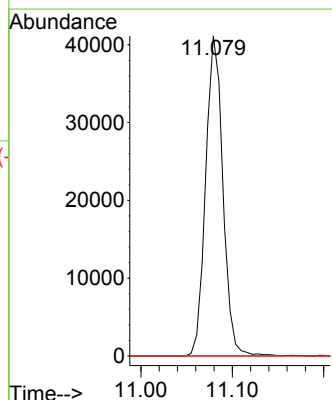
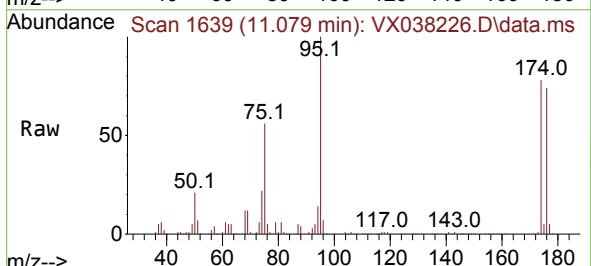
Tgt Ion: 75 Resp: 53721

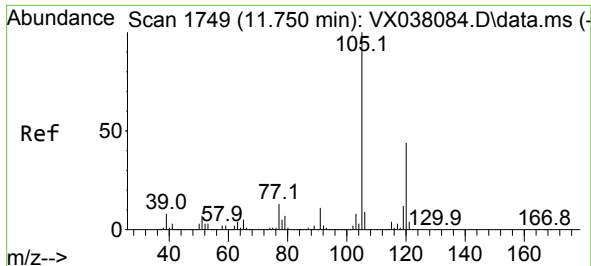
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

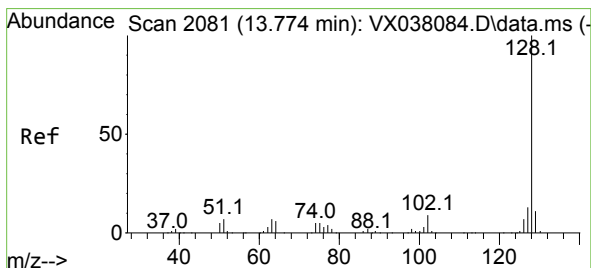
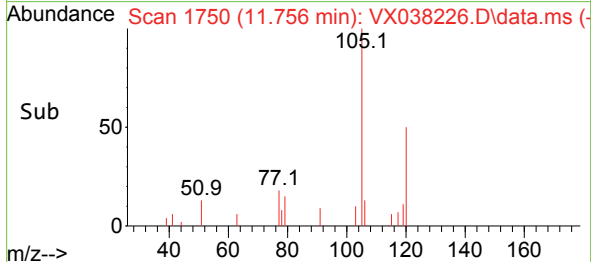
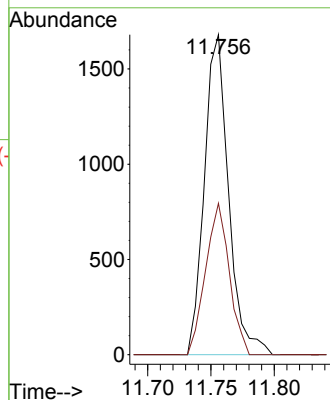
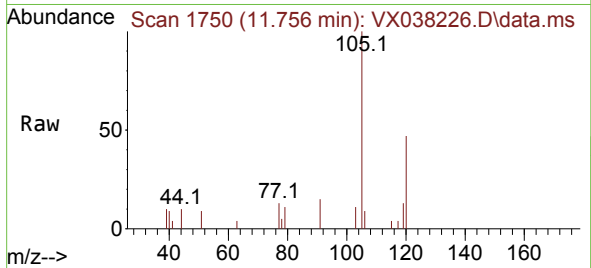




#84
1,2,4-Trimethylbenzene
Concen: 0.370 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 2236
Ion Ratio Lower Upper
105 100
120 46.3 21.2 63.6



#95
Naphthalene
Concen: 0.281 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX038226.D
Acq: 11 Oct 2023 13:59

Tgt Ion:128 Resp: 2177
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 9.3 8.8 13.2

