

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091021\
 Data File : VX024159.D
 Acq On : 10 Sep 2021 12:37
 Operator : JC/MD
 Sample : M3689-05 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 11 04:20:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

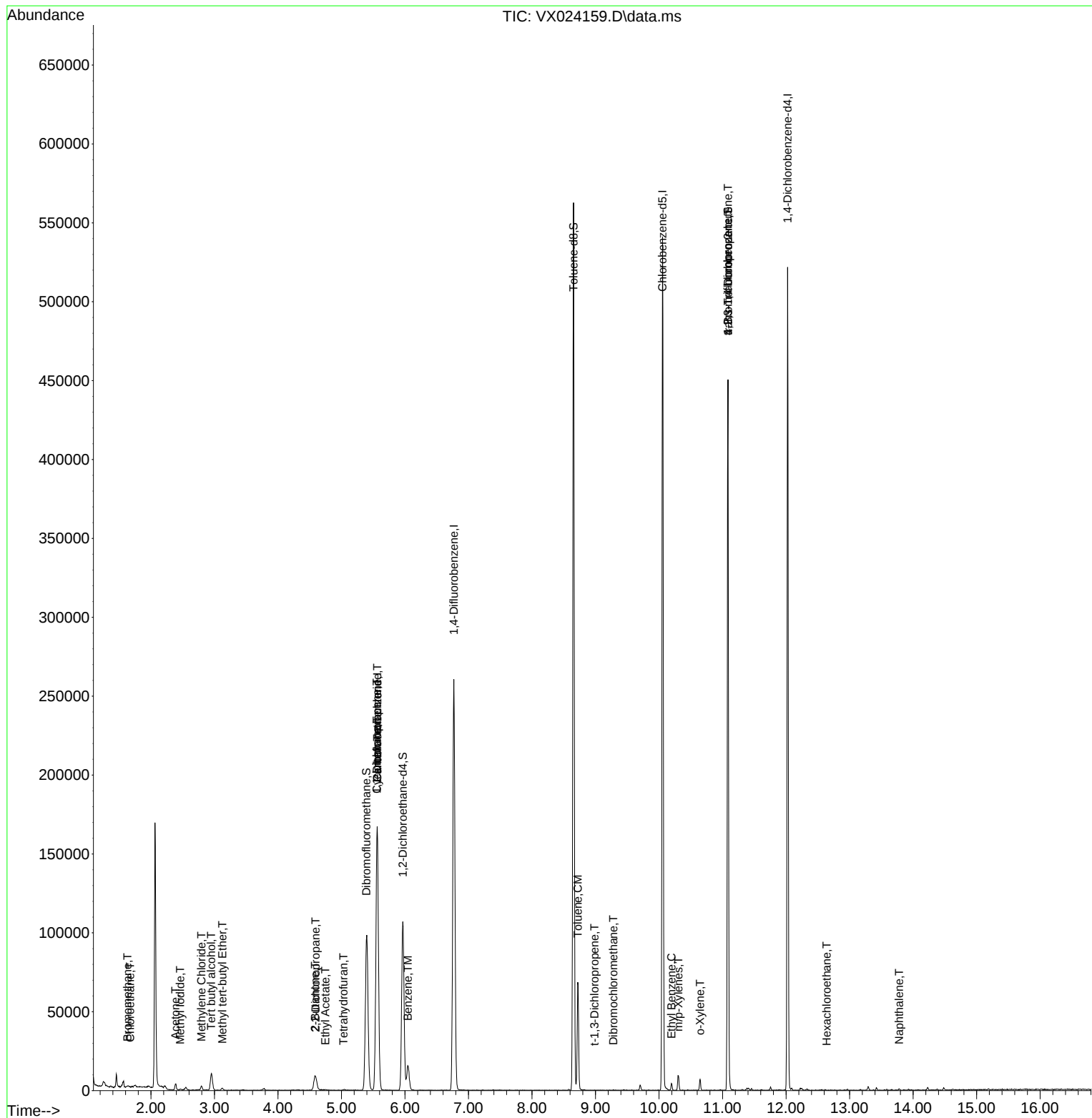
Internal Standards						
1) Pentafluorobenzene	5.562	168	154178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	260011	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109284	50.786	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.580%			
35) Dibromofluoromethane	5.391	113	85037	49.413	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.820%			
50) Toluene-d8	8.653	98	315640	48.189	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.380%			
62) 4-Bromofluorobenzene	11.085	95	115311	47.822	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.640%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	554	0.506	ug/l #	35
6) Chloroethane	1.672	64	596	2.609	ug/l #	43
10) Methyl Iodide	2.459	142	786	0.365	ug/l #	82
11) Tert butyl alcohol	2.947	59	6617	15.206	ug/l #	73
16) Acetone	2.386	43	3999	4.156	ug/l #	82
19) Methyl tert-butyl Ether	3.123	73	1083	0.210	ug/l	92
20) Methylene Chloride	2.794	84	1199	0.652	ug/l #	88
25) 2-Butanone	4.587	43	1845	1.266	ug/l #	77
26) 2,2-Dichloropropane	4.593	77	775	0.312	ug/l #	52
29) Tetrahydrofuran	5.032	42	266	0.282	ug/l #	55
31) Cyclohexane	5.556	56	3494	1.264	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	12679	5.266	ug/l #	50
37) Ethyl Acetate	4.745	43	619	0.209	ug/l #	64
38) Carbon Tetrachloride	5.562	117	16650	6.631	ug/l #	14
40) Benzene	6.044	78	18070	2.538	ug/l	100
52) Toluene	8.720	92	24625	5.337	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	26	2.145	ug/l #	44
60) Dibromochloromethane	9.281	129	18	1.696	ug/l #	11
67) Ethyl Benzene	10.195	91	2380	0.269	ug/l #	87
68) m/p-Xylenes	10.305	106	2419	0.719	ug/l	97
69) o-Xylene	10.646	106	1372	0.415	ug/l	83
76) 1,2,3-Trichloropropane	11.085	75	62091	25.415	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	62091	74.758	ug/l #	12
90) Hexachloroethane	12.640	117	19	1.482	ug/l #	9
95) Naphthalene	13.780	128	915	1.399	ug/l #	83

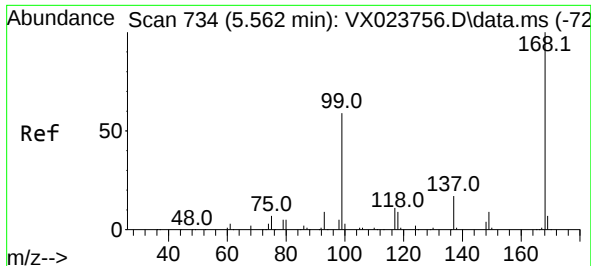
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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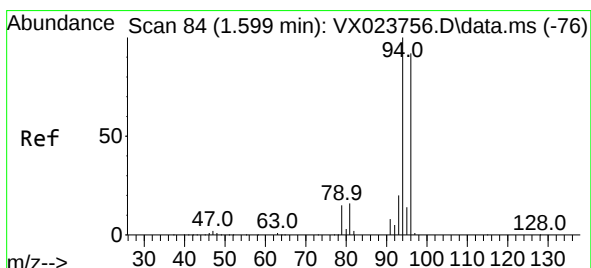
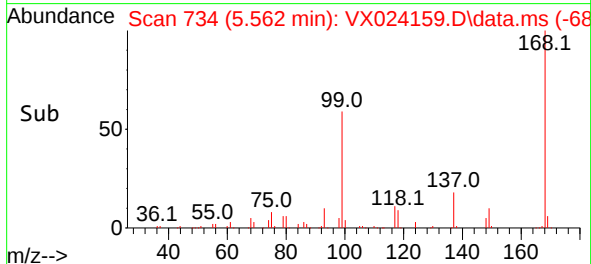
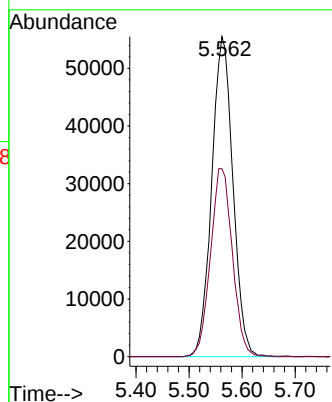
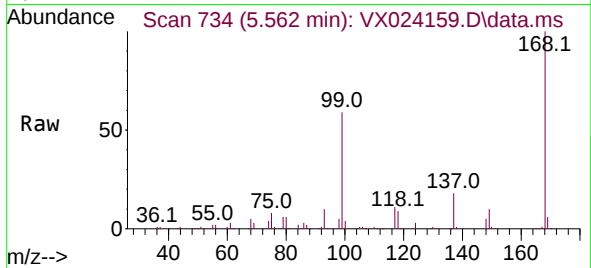




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

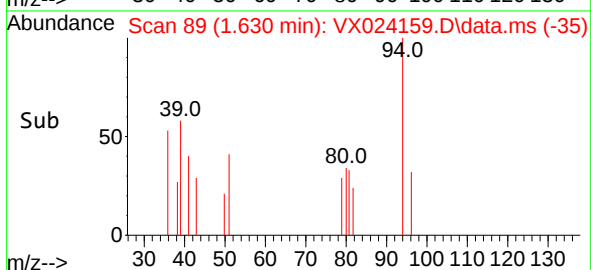
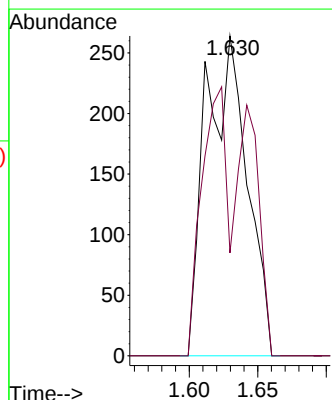
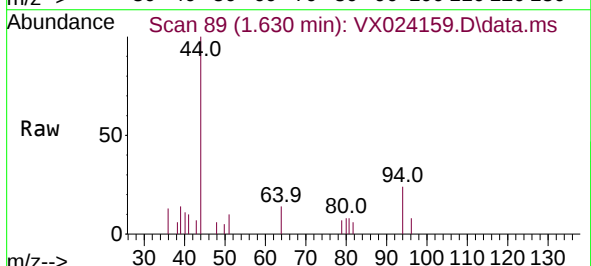
Instrument :
MSVOA_X
ClientSampleId :

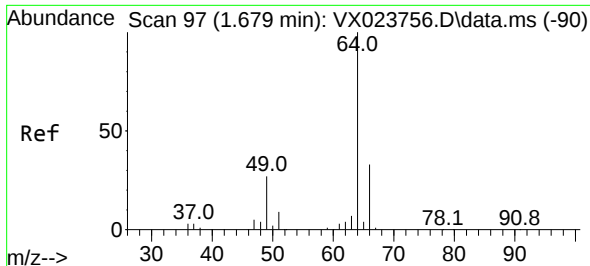
Tgt Ion:168 Resp: 154178
Ion Ratio Lower Upper
168 100
99 58.8 45.8 68.6



#5
Bromomethane
Concen: 0.506 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

Tgt Ion: 94 Resp: 554
Ion Ratio Lower Upper
94 100
96 32.2 76.4 114.6#

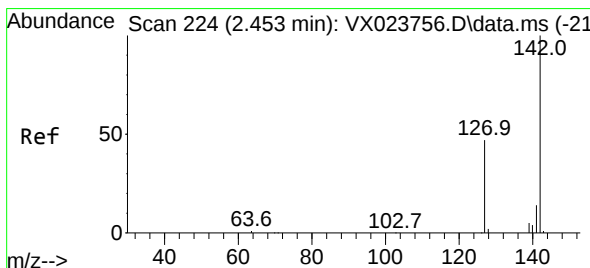
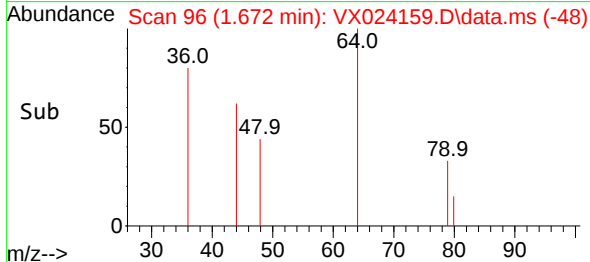
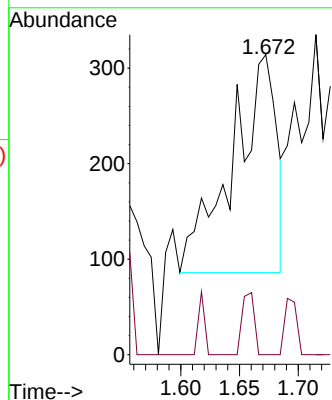
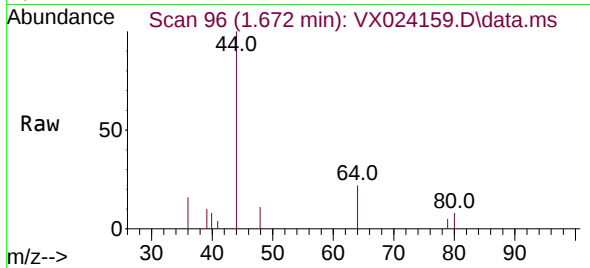




#6
Chloroethane
Concen: 2.609 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

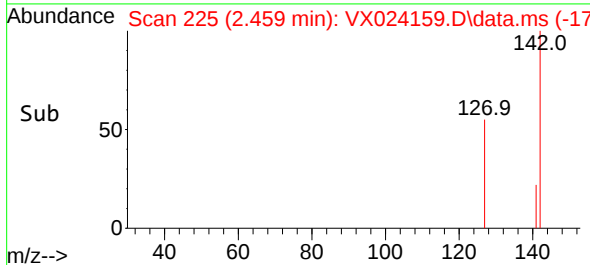
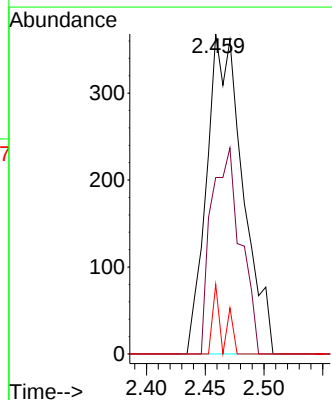
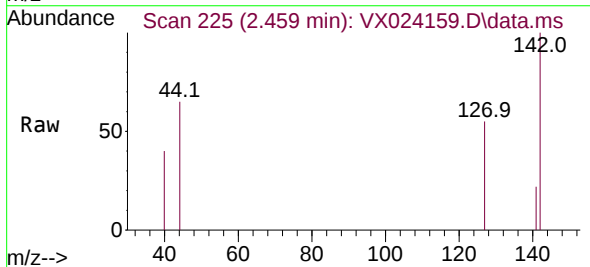
Instrument :
MSVOA_X
ClientSampleId :

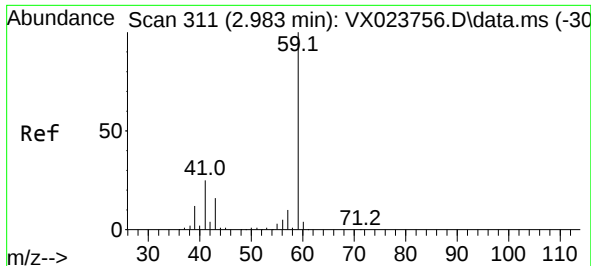
Tgt Ion: 64 Resp: 596
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.365 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

Tgt Ion:142 Resp: 786
Ion Ratio Lower Upper
142 100
127 52.3 33.3 49.9#
141 6.2 11.4 17.0#

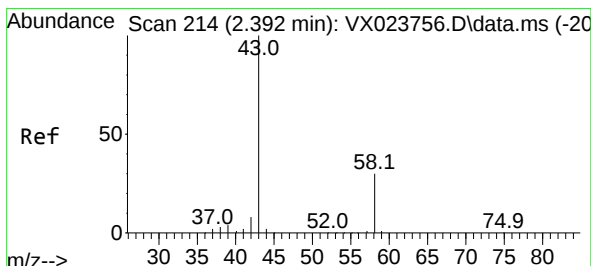
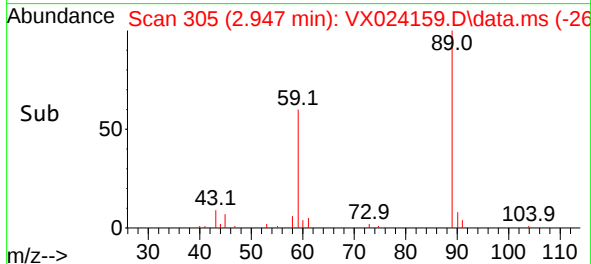
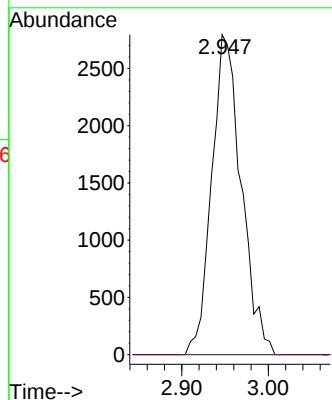
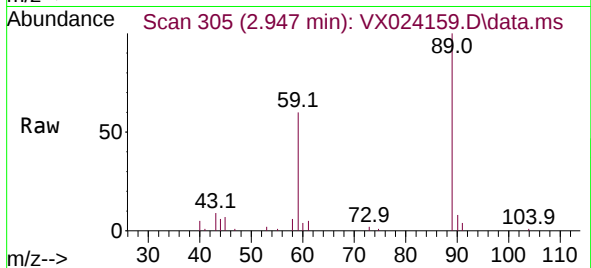




#11
Tert butyl alcohol
Concen: 15.206 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

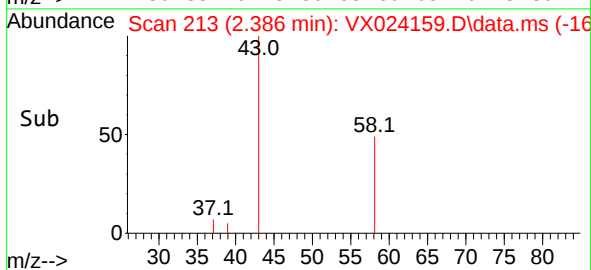
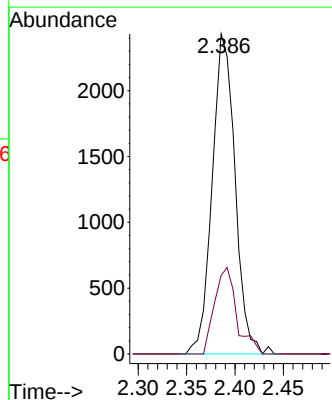
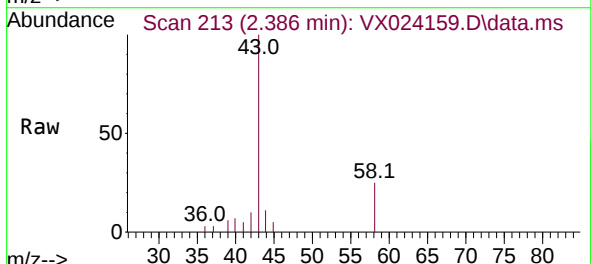
Instrument :
MSVOA_X
ClientSampled :

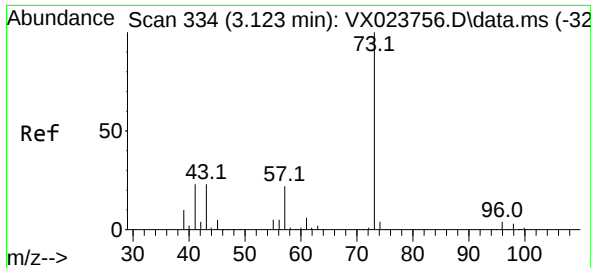
Tgt Ion: 59 Resp: 6617
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 4.156 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

Tgt Ion: 43 Resp: 3999
Ion Ratio Lower Upper
43 100
58 24.6 27.8 41.8#

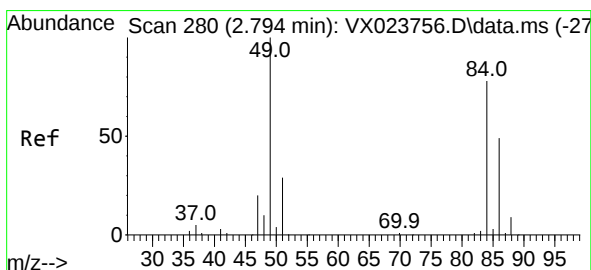
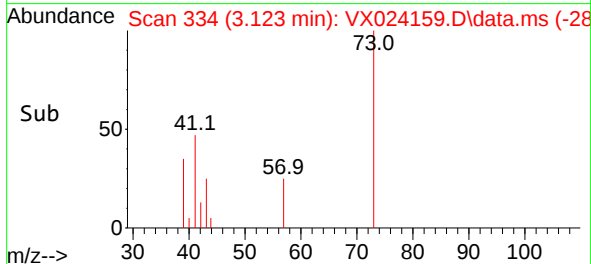
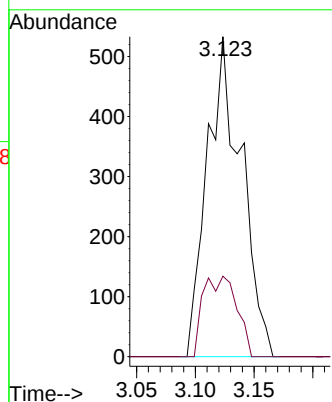
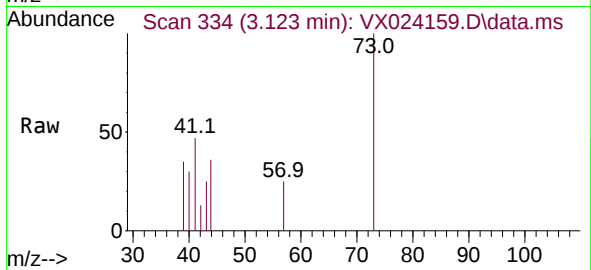




#19
Methyl tert-butyl Ether
Concen: 0.210 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

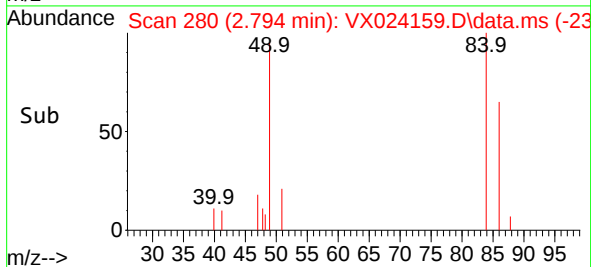
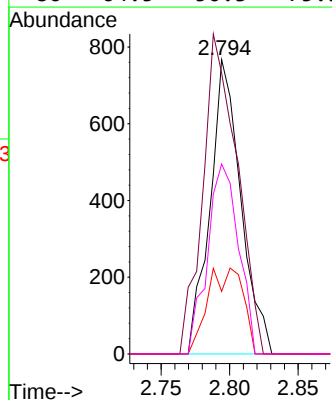
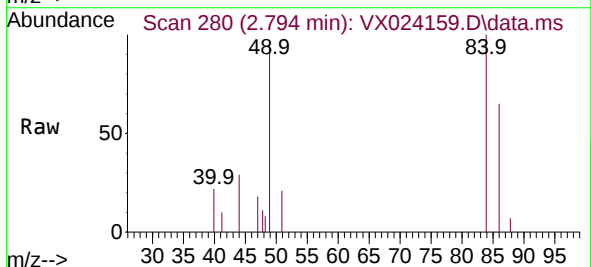
Instrument :
MSVOA_X
ClientSampled :

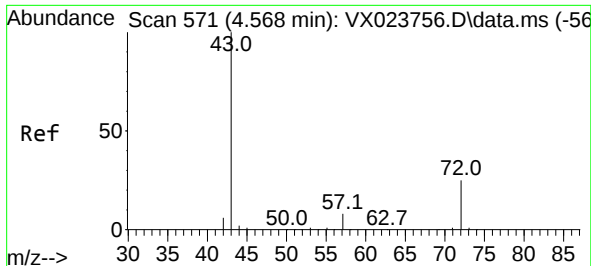
Tgt Ion: 73 Resp: 1083
Ion Ratio Lower Upper
73 100
57 25.1 17.1 25.7



#20
Methylene Chloride
Concen: 0.652 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

Tgt Ion: 84 Resp: 1199
Ion Ratio Lower Upper
84 100
49 95.4 88.6 132.8
51 21.3 27.0 40.6#
86 64.5 50.3 75.5

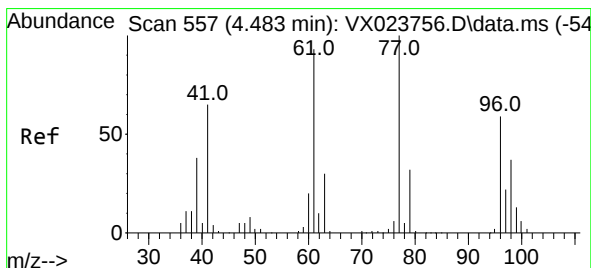
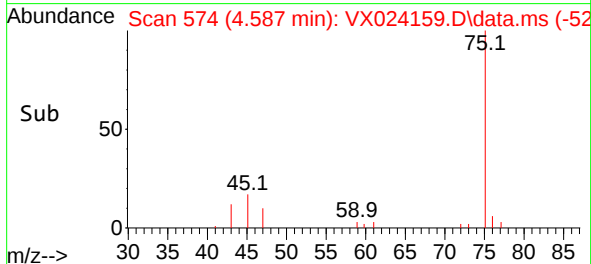
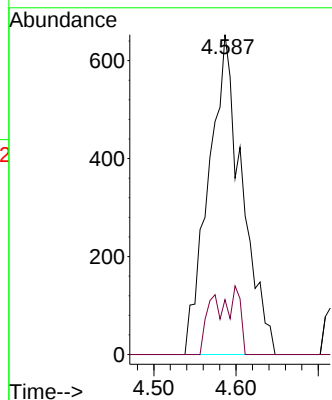
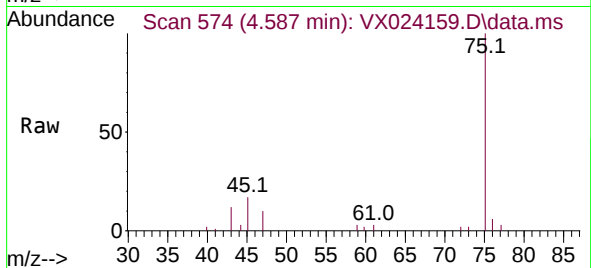




#25
2-Butanone
Concen: 1.266 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

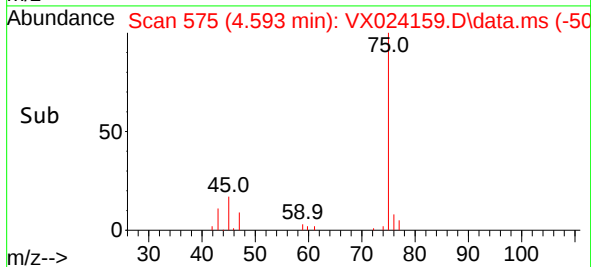
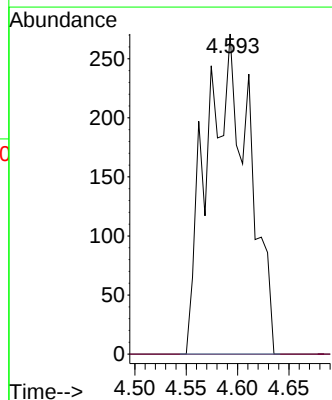
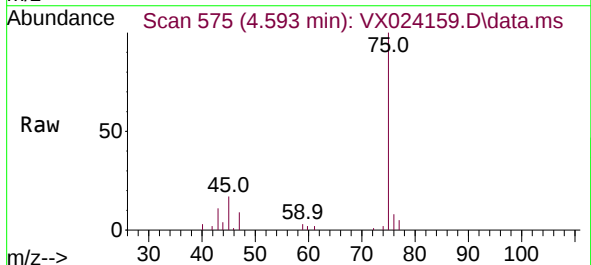
Instrument :
MSVOA_X
ClientSampleId :

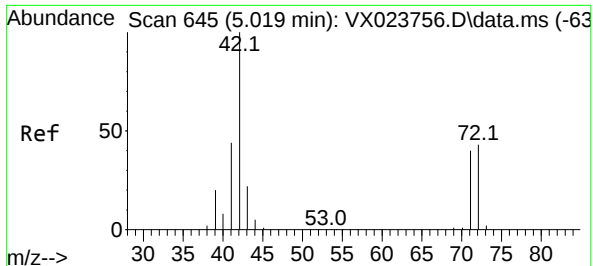
Tgt Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
72 17.2 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.312 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.110 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

Tgt Ion: 77 Resp: 775
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#





#29

Tetrahydrofuran

Concen: 0.282 ug/l

RT: 5.032 min Scan# 647

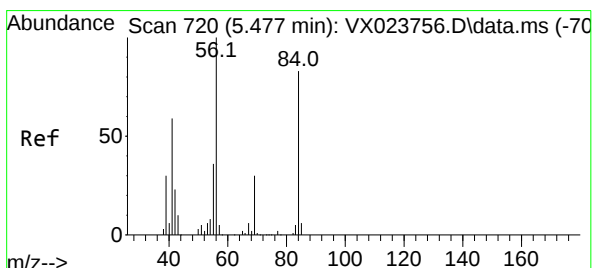
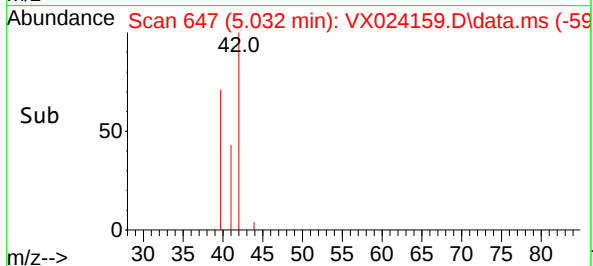
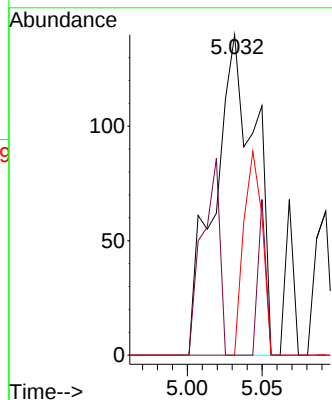
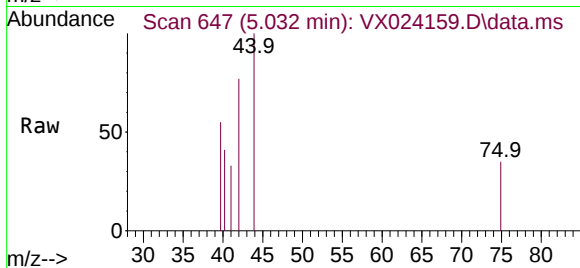
Delta R.T. 0.013 min

Lab File: VX024159.D

Acq: 10 Sep 2021 12:37

Tgt Ion:	42	Resp:	266
Ion	Ratio	Lower	Upper
42	100		
72	9.4	41.7	62.5#
71	28.6	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.264 ug/l

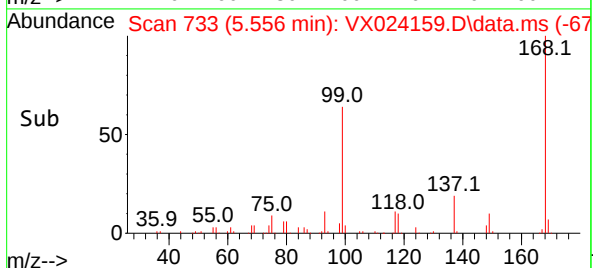
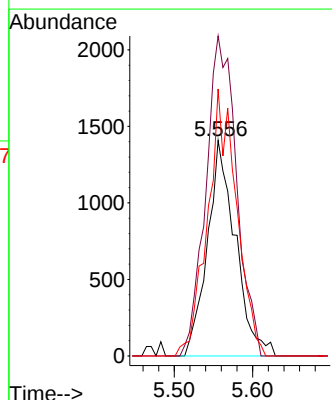
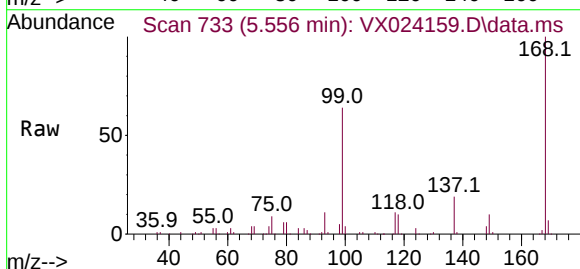
RT: 5.556 min Scan# 733

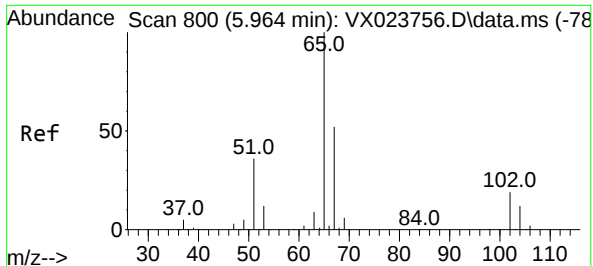
Delta R.T. 0.079 min

Lab File: VX024159.D

Acq: 10 Sep 2021 12:37

Tgt Ion:	56	Resp:	3494
Ion	Ratio	Lower	Upper
56	100		
69	148.5	25.3	37.9#
84	123.9	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.786 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024159.D

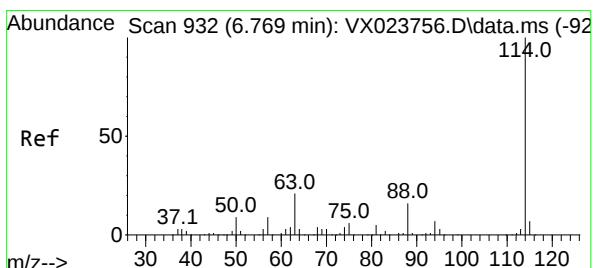
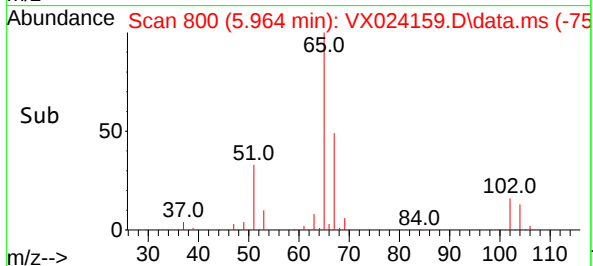
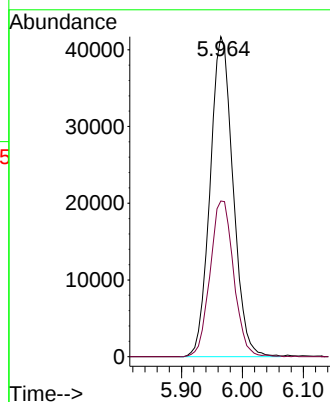
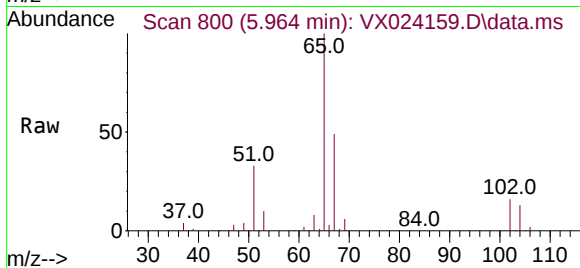
Acq: 10 Sep 2021 12:37

Tgt Ion: 65 Resp: 109284

Ion Ratio Lower Upper

65 100

67 49.9 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX024159.D

Acq: 10 Sep 2021 12:37

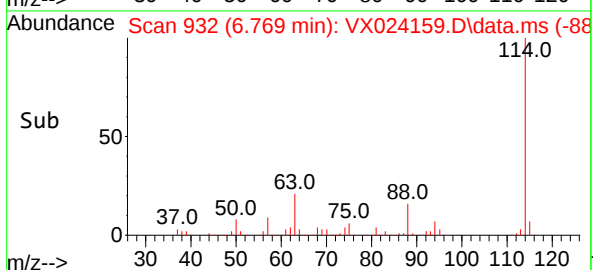
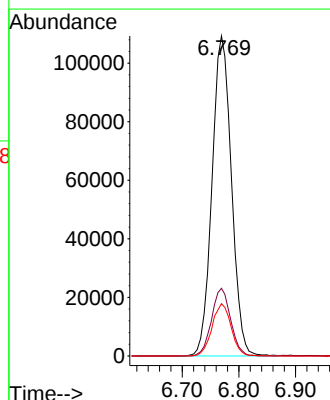
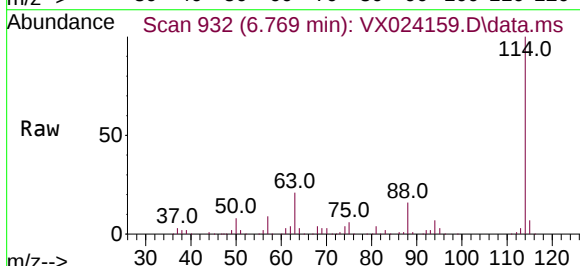
Tgt Ion: 114 Resp: 260011

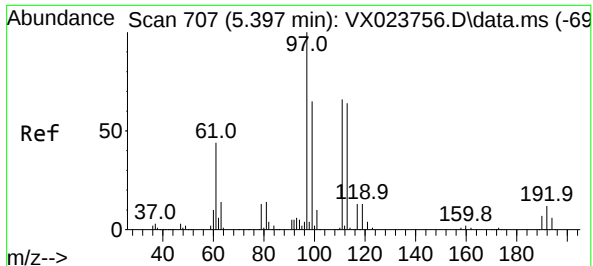
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.413 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX024159.D

Acq: 10 Sep 2021 12:37

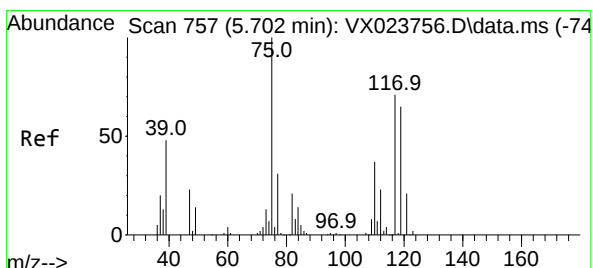
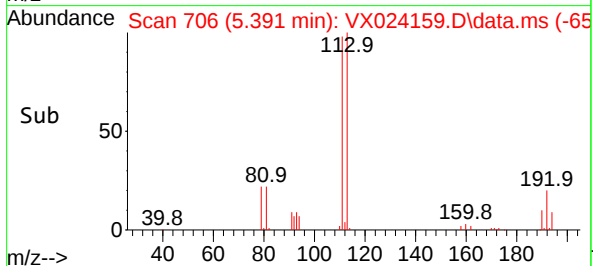
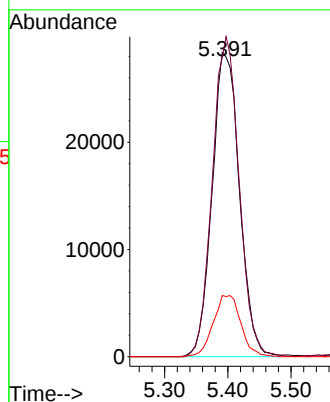
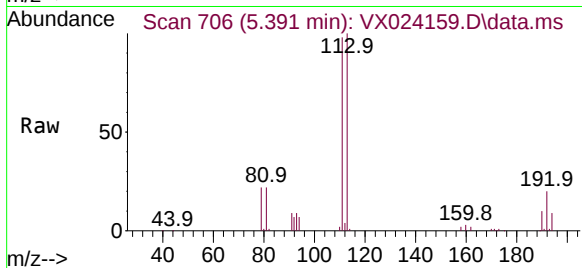
Tgt Ion:113 Resp: 85037

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

192 20.4 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.266 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX024159.D

Acq: 10 Sep 2021 12:37

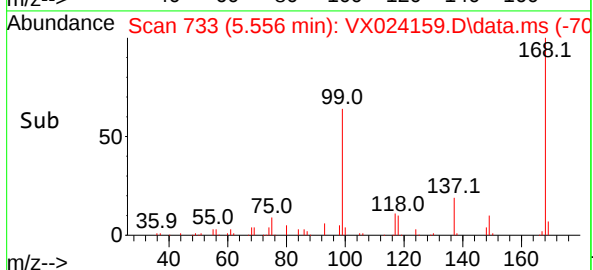
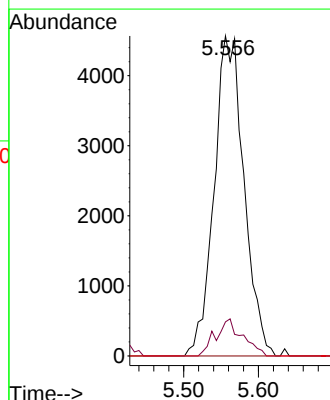
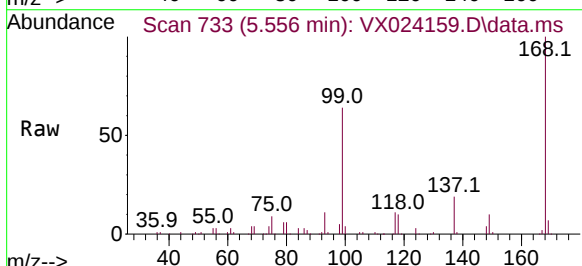
Tgt Ion: 75 Resp: 12679

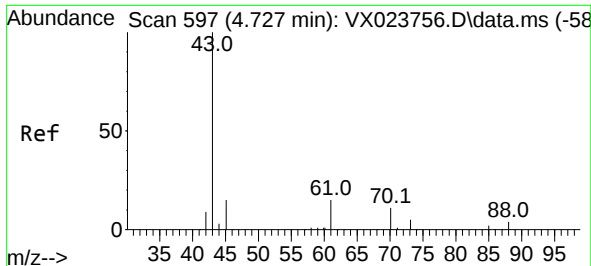
Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.209 ug/l

RT: 4.745 min Scan# 600

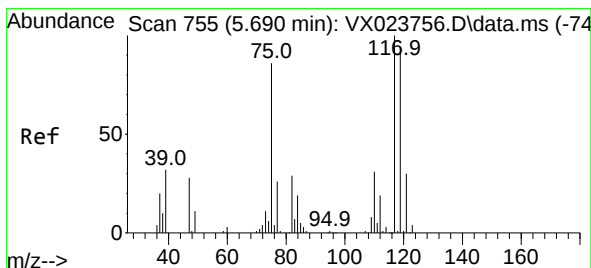
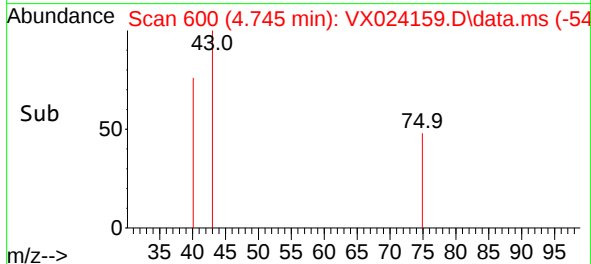
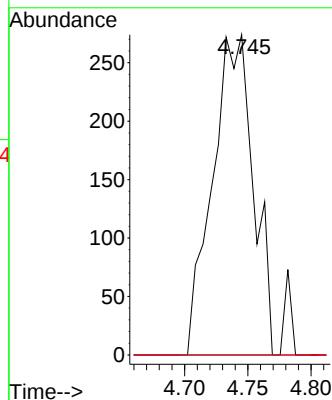
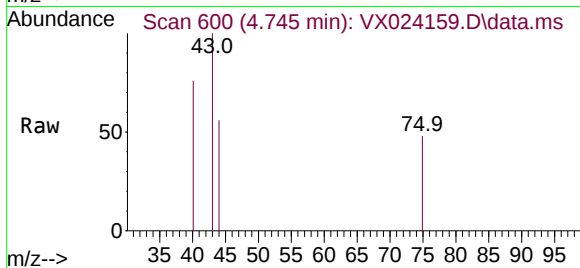
Delta R.T. 0.018 min

Lab File: VX024159.D

Acq: 10 Sep 2021 12:37

Tgt Ion: 43	Resp: 619
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	10.5 15.7#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.631 ug/l

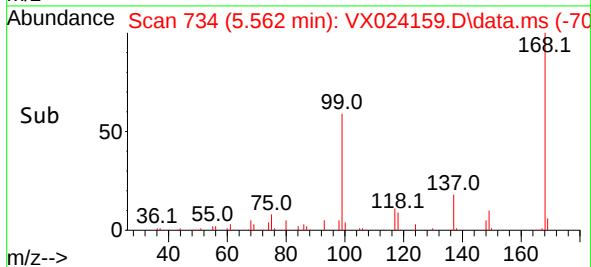
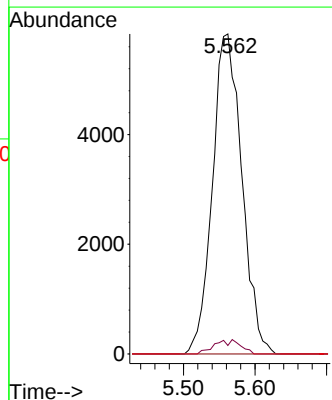
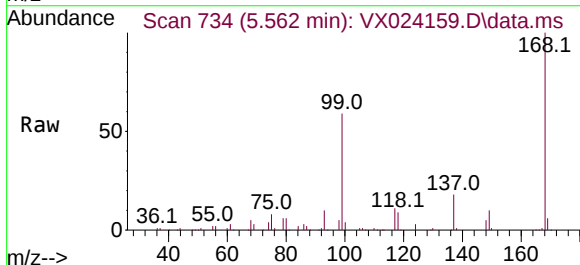
RT: 5.562 min Scan# 734

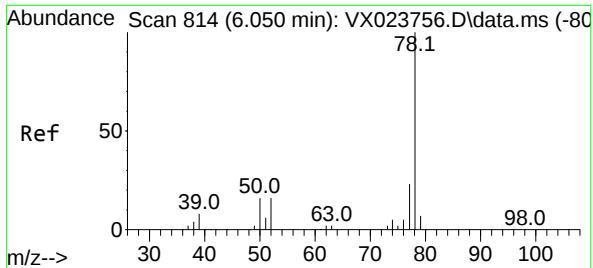
Delta R.T. -0.128 min

Lab File: VX024159.D

Acq: 10 Sep 2021 12:37

Tgt Ion: 117	Resp: 16650
Ion Ratio	Lower Upper
117 100	
119 2.6	76.2 114.2#
121 0.0	24.8 37.2#

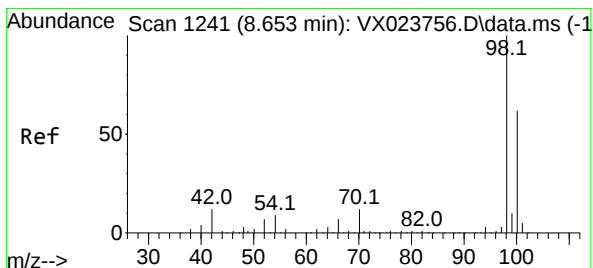
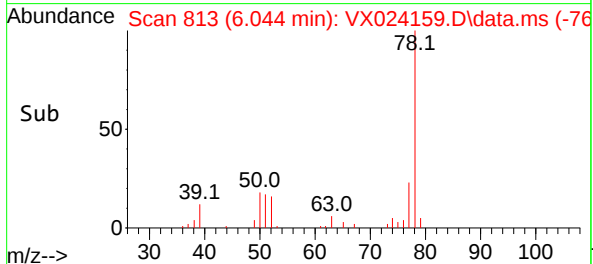
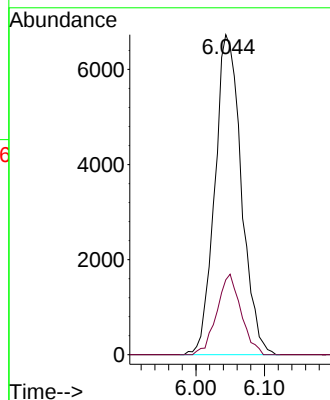
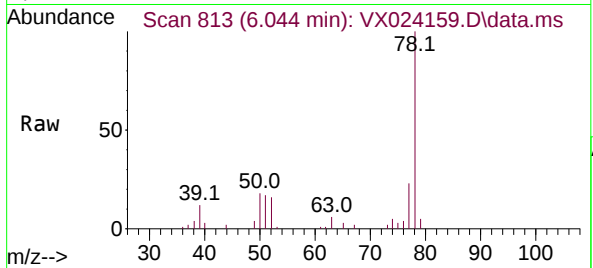




#40
Benzene
Concen: 2.538 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

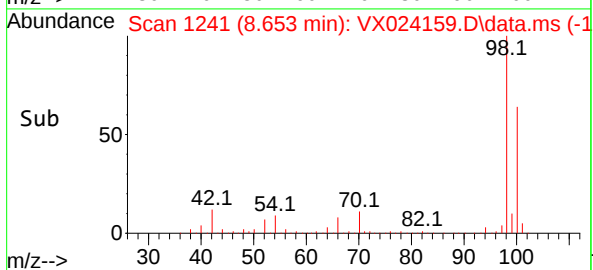
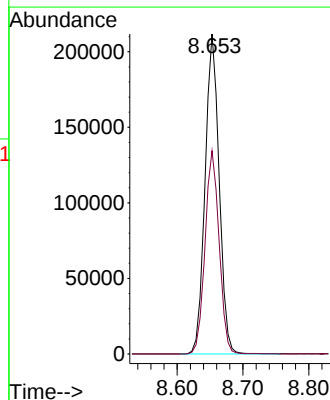
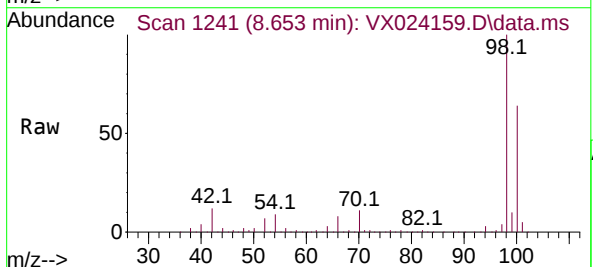
Instrument :
MSVOA_X
ClientSampled :

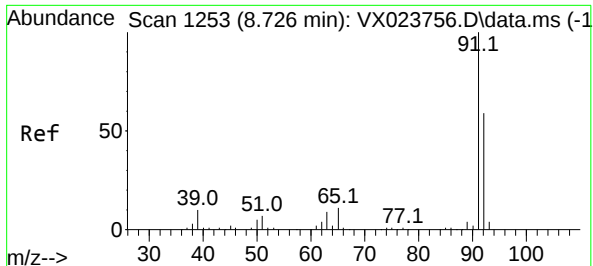
Tgt Ion: 78 Resp: 18070
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3



#50
Toluene-d8
Concen: 48.189 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

Tgt Ion: 98 Resp: 315640
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

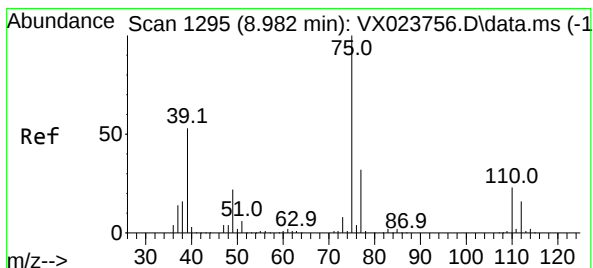
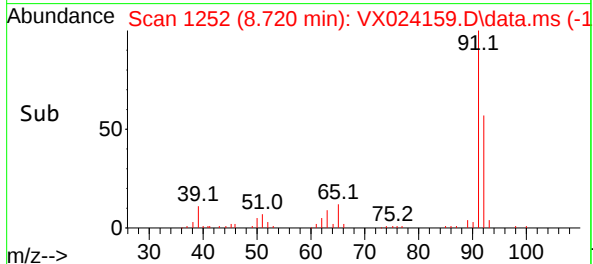
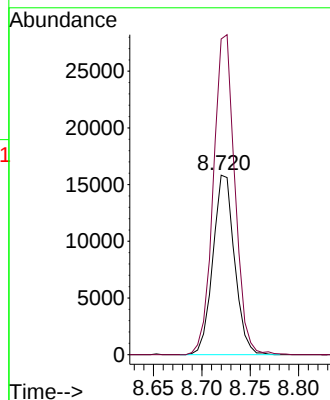
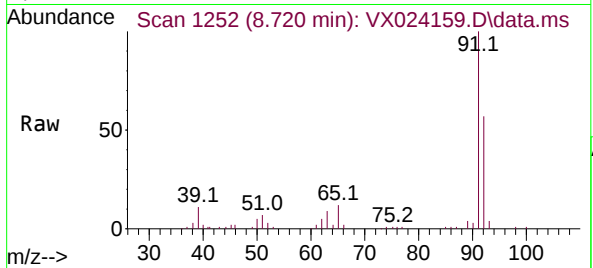




#52
Toluene
Concen: 5.337 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

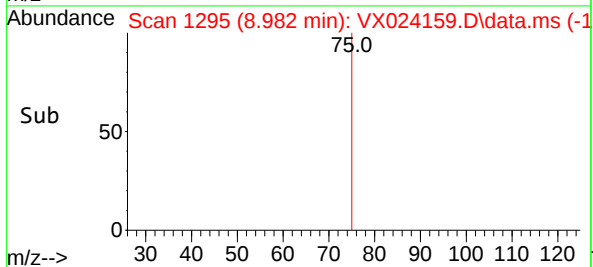
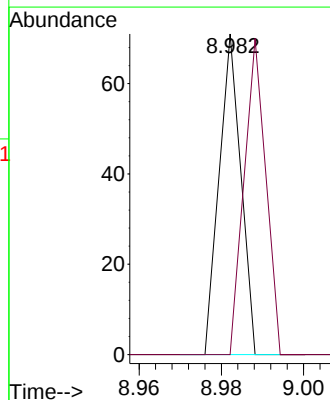
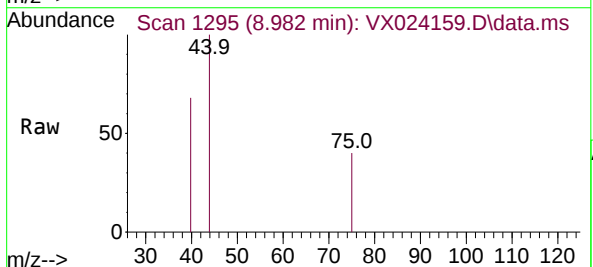
Instrument :
MSVOA_X
ClientSampled :

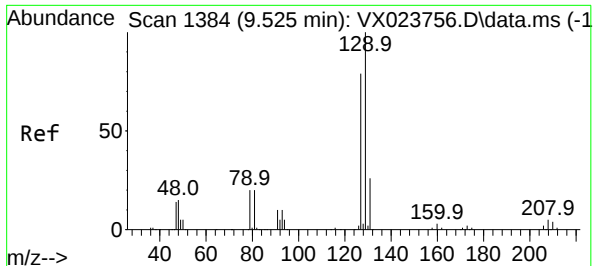
Tgt Ion: 92 Resp: 24625
Ion Ratio Lower Upper
92 100
91 177.4 137.1 205.7



#53
t-1,3-Dichloropropene
Concen: 2.145 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#





#60

Dibromochloromethane

Concen: 1.696 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX024159.D

Acq: 10 Sep 2021 12:37

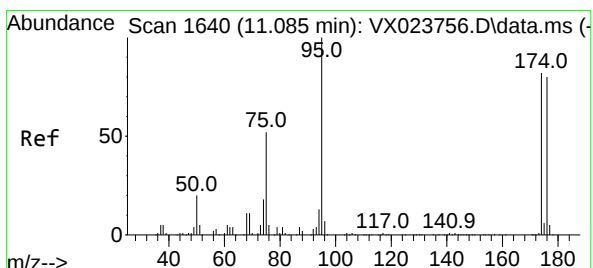
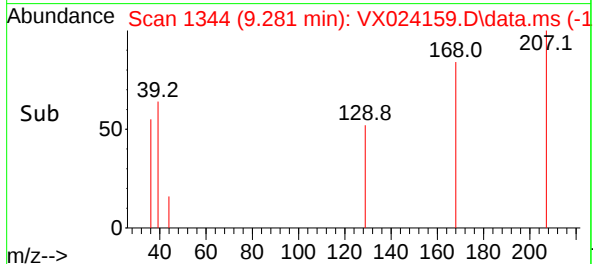
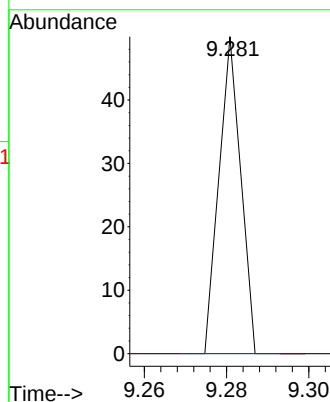
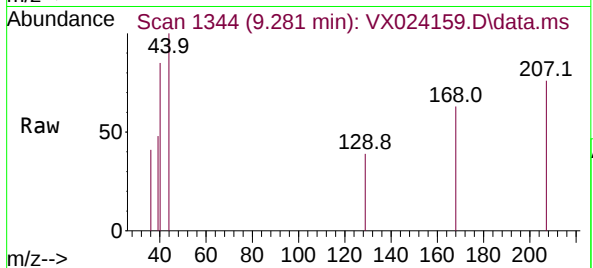
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:129 Resp: 18

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 47.822 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024159.D

Acq: 10 Sep 2021 12:37

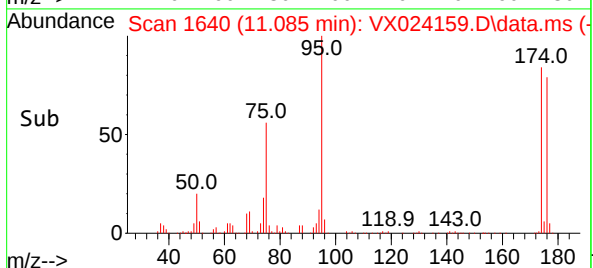
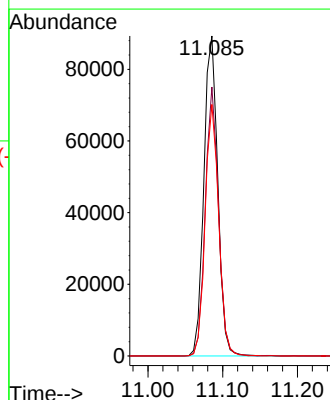
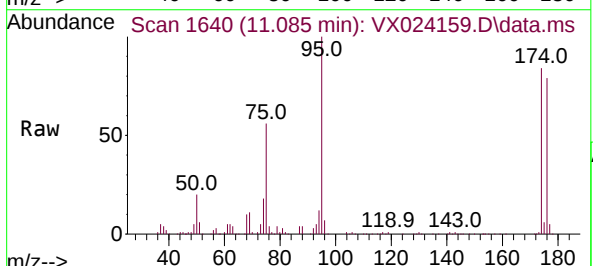
Tgt Ion: 95 Resp: 115311

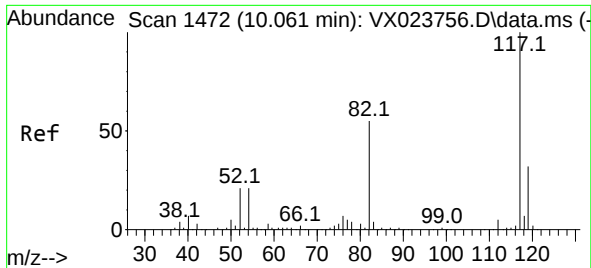
Ion Ratio Lower Upper

95 100

174 80.0 0.0 154.6

176 76.5 0.0 155.8

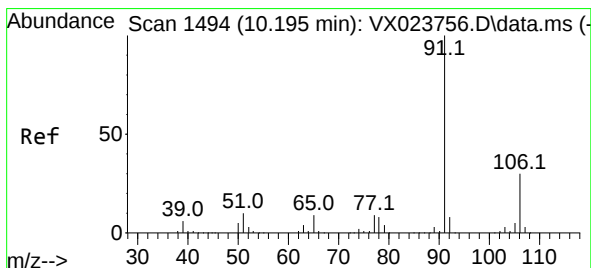
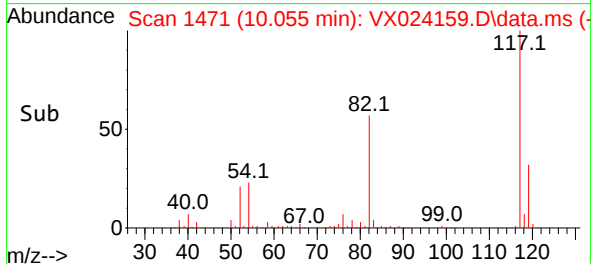
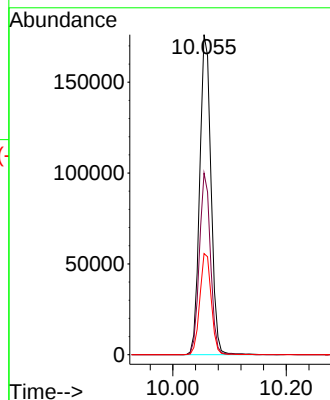
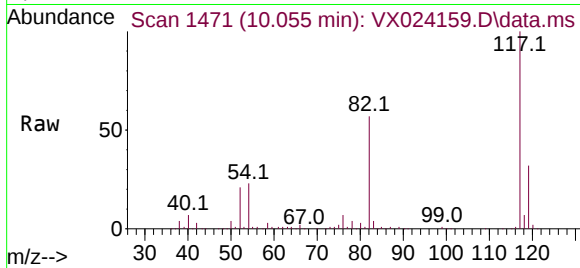




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

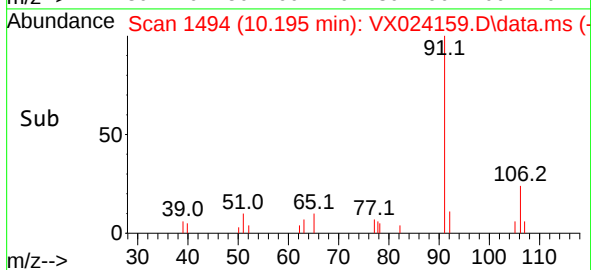
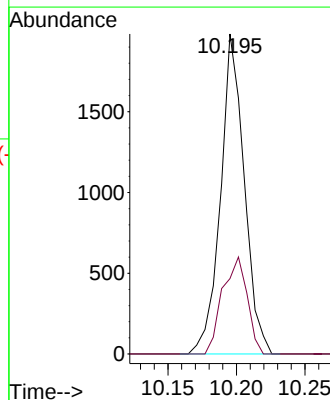
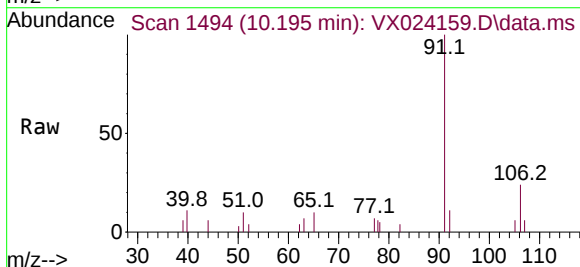
Instrument :
MSVOA_X
ClientSampleId :

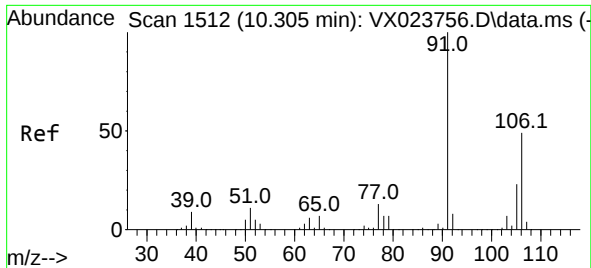
Tgt Ion:117 Resp: 242379
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 31.6 26.6 39.8



#67
Ethyl Benzene
Concen: 0.269 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

Tgt Ion: 91 Resp: 2380
Ion Ratio Lower Upper
91 100
106 23.6 24.6 37.0#

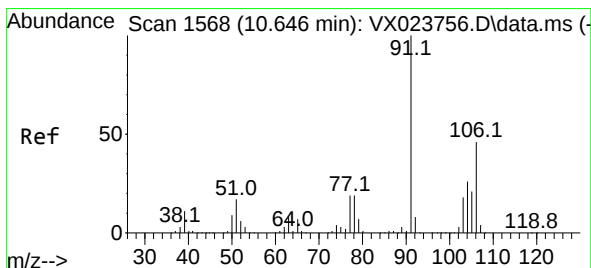
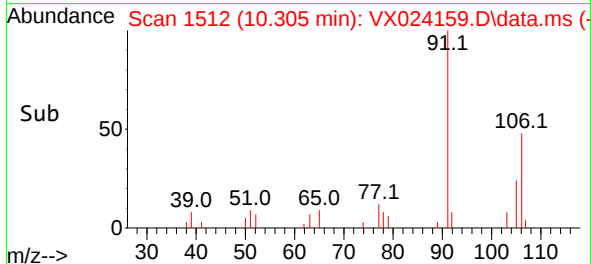
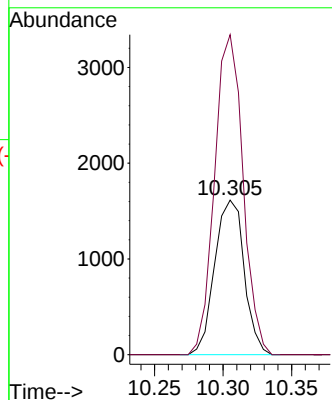
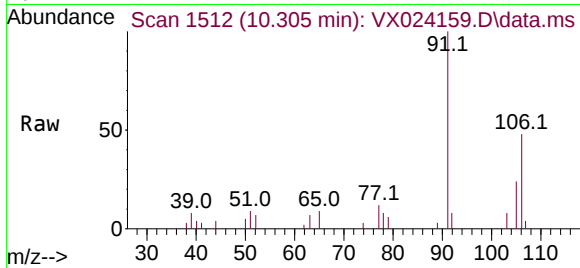




#68
m/p-Xylenes
Concen: 0.719 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

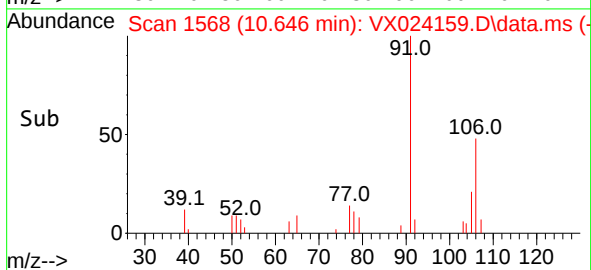
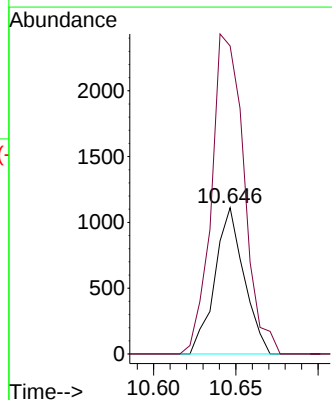
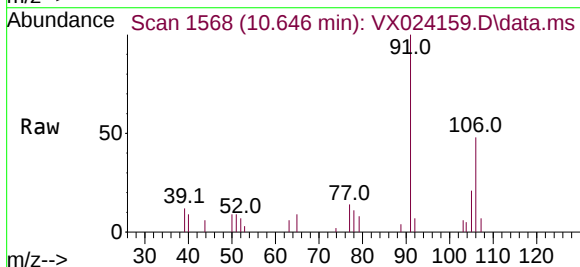
Instrument :
MSVOA_X
ClientSampleId :

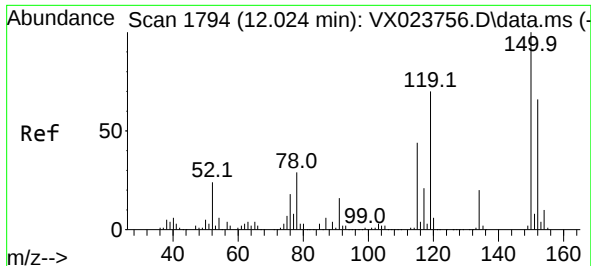
Tgt Ion:106 Resp: 2419
Ion Ratio Lower Upper
106 100
91 199.2 162.8 244.2



#69
o-Xylene
Concen: 0.415 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

Tgt Ion:106 Resp: 1372
Ion Ratio Lower Upper
106 100
91 243.0 108.1 324.2

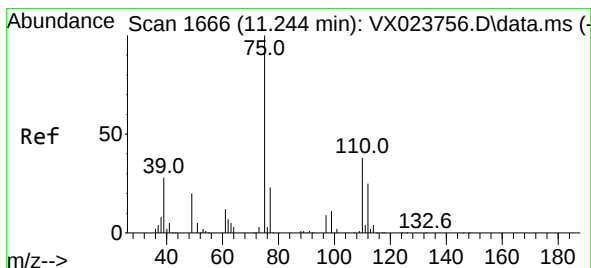
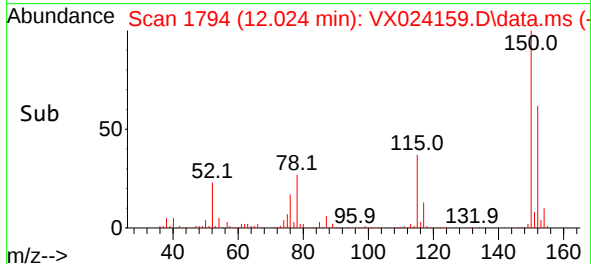
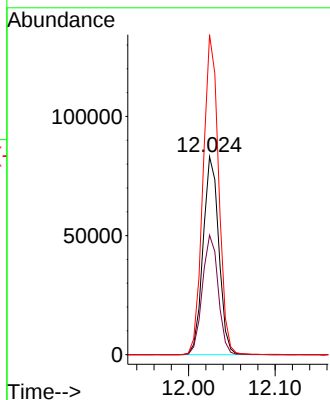
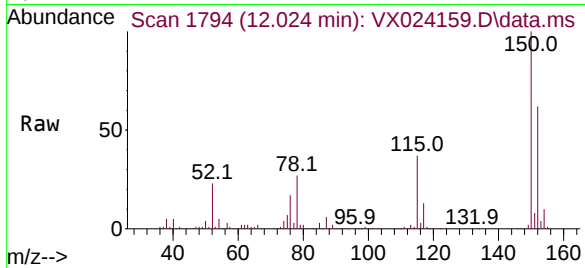




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024159.D
 Acq: 10 Sep 2021 12:37

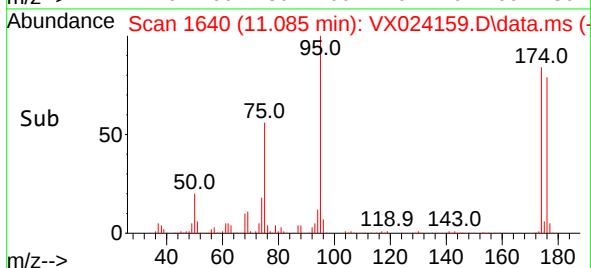
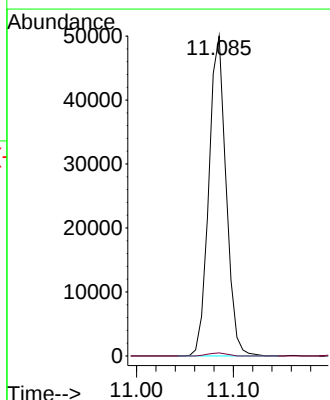
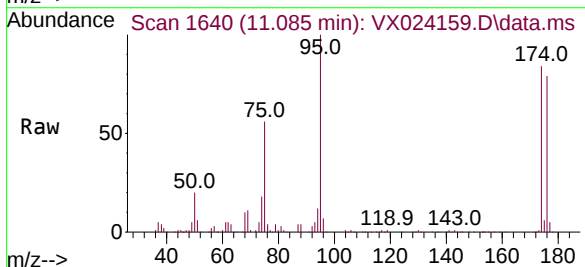
Instrument :
 MSVOA_X
 ClientSampled :

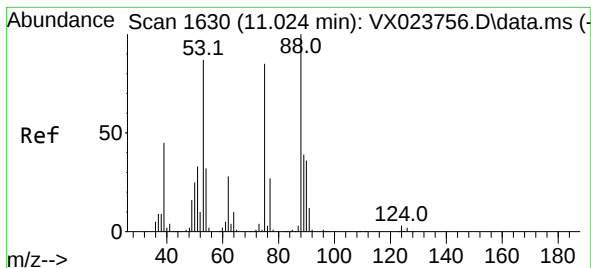
Tgt Ion:152 Resp: 104732
 Ion Ratio Lower Upper
 152 100
 115 60.8 41.1 123.3
 150 160.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.415 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024159.D
 Acq: 10 Sep 2021 12:37

Tgt Ion: 75 Resp: 62091
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

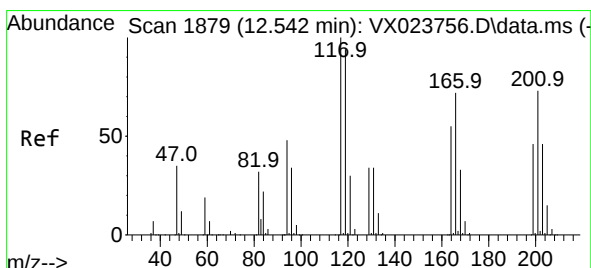
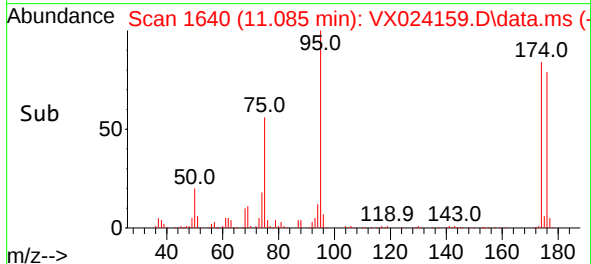
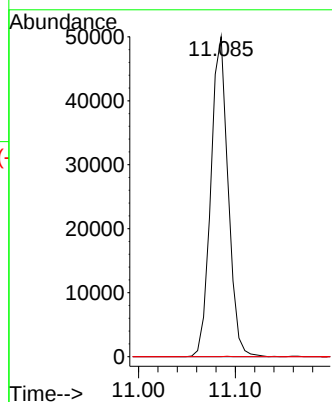
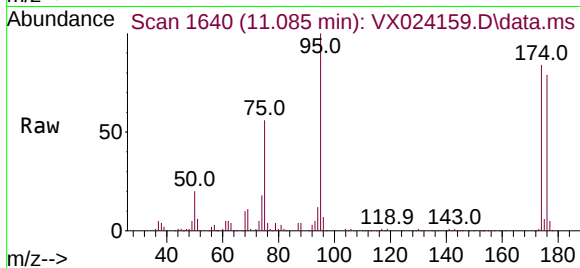




#81
trans-1,4-Dichloro-2-butene
Concen: 74.758 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

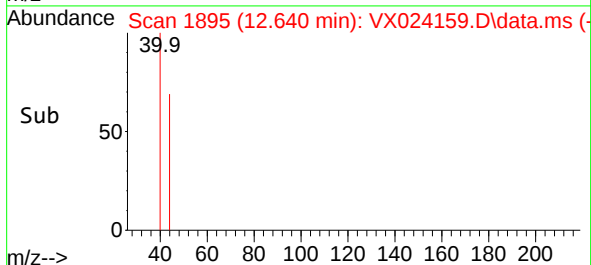
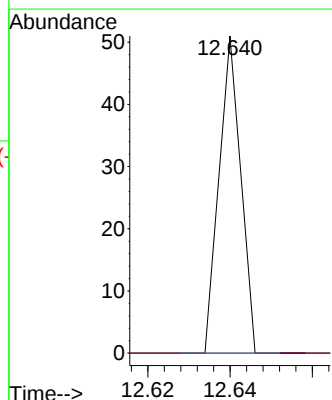
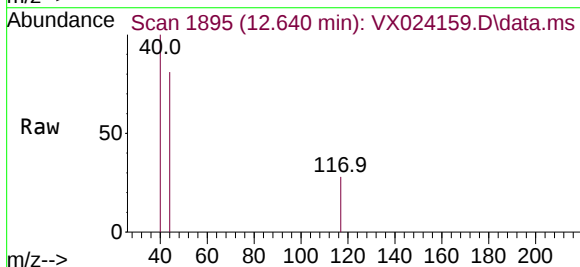
Instrument :
MSVOA_X
ClientSampleId :

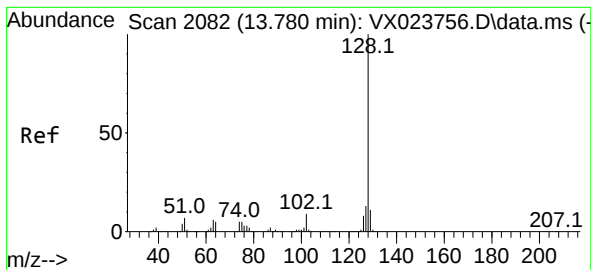
Tgt Ion: 75 Resp: 62091
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 1.482 ug/l
RT: 12.640 min Scan# 1895
Delta R.T. 0.098 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

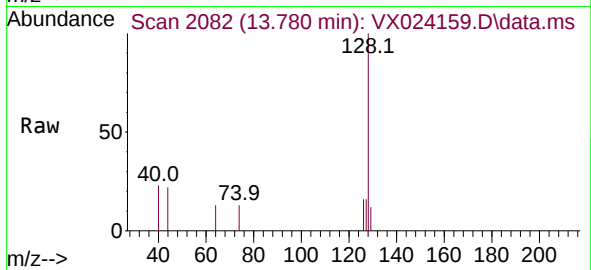
Tgt Ion: 117 Resp: 19
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.399 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024159.D
Acq: 10 Sep 2021 12:37

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	915
Ion	Ratio	Lower	Upper
128	100		
127	6.0	10.3	15.5#
129	4.9	8.8	13.2#

