

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082321\
 Data File : VX023912.D
 Acq On : 23 Aug 2021 20:48
 Operator : JC/MD
 Sample : M3520-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 07:17:01 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)

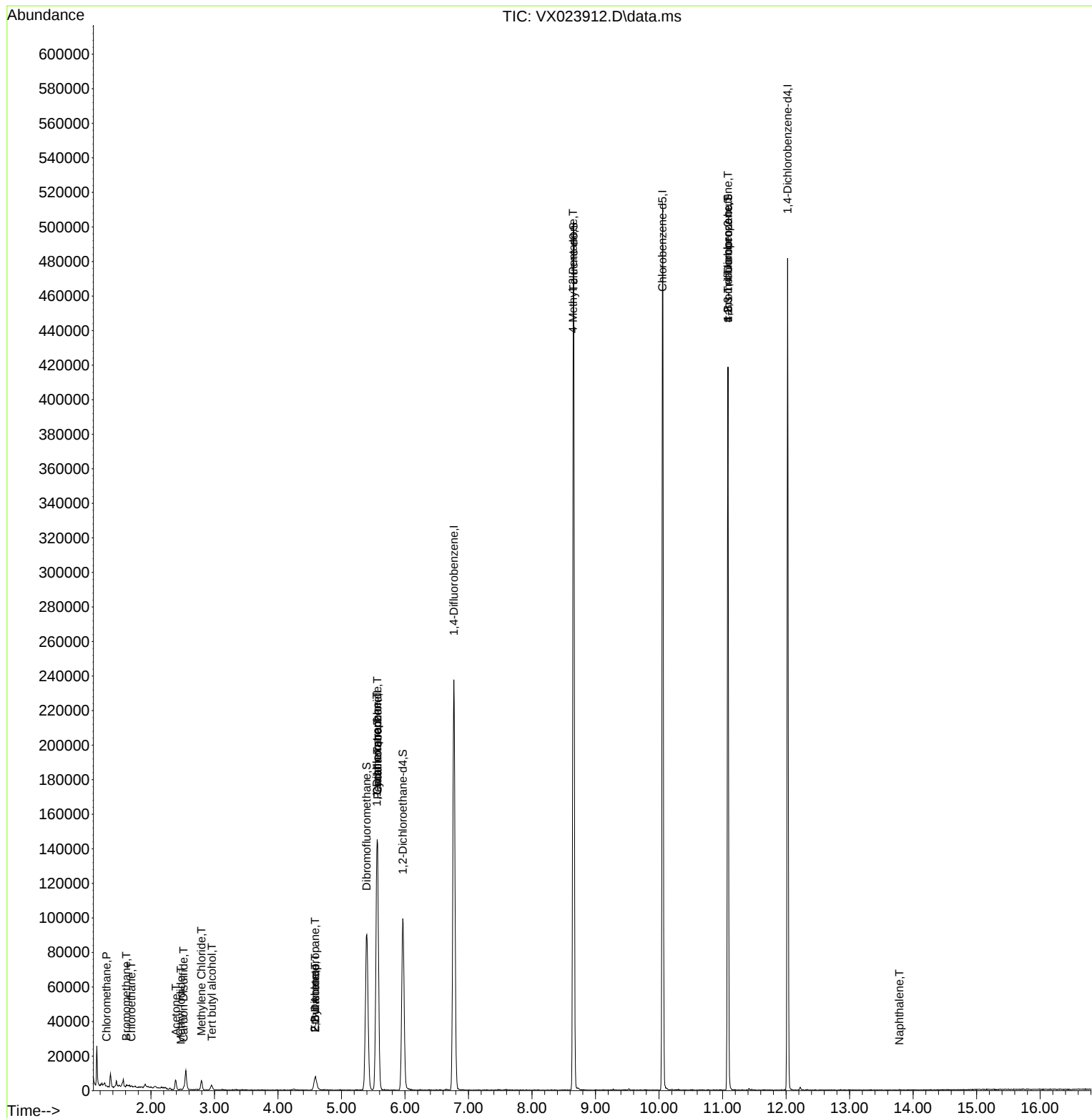
Internal Standards						
1) Pentafluorobenzene	5.568	168	136468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	234605	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99970	52.487	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.980%			
35) Dibromofluoromethane	5.397	113	78641	50.645	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.280%			
50) Toluene-d8	8.653	98	289933	49.058	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.120%			
62) 4-Bromofluorobenzene	11.085	95	100520	46.203	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.400%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	579	0.366	ug/l	95
5) Bromomethane	1.611	94	782	0.807	ug/l #	54
6) Chloroethane	1.691	64	44	2.250	ug/l #	43
10) Methyl Iodide	2.471	142	439	0.230	ug/l #	88
11) Tert butyl alcohol	2.959	59	1877	4.873	ug/l #	73
16) Acetone	2.392	43	6115	7.180	ug/l	93
17) Carbon Disulfide	2.514	76	1858	0.595	ug/l #	92
20) Methylene Chloride	2.794	84	2450	1.506	ug/l #	86
25) 2-Butanone	4.587	43	1701	1.319	ug/l	95
26) 2,2-Dichloropropane	4.587	77	472	0.215	ug/l #	52
31) Cyclohexane	5.562	56	3151	1.288	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	10996	5.061	ug/l #	50
37) Ethyl Acetate	4.587	43	1701	0.637	ug/l #	75
38) Carbon Tetrachloride	5.562	117	13902	6.136	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	1485	0.550	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	54591	25.433	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54591	74.812	ug/l #	12
95) Naphthalene	13.786	128	147	1.304	ug/l #	69

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

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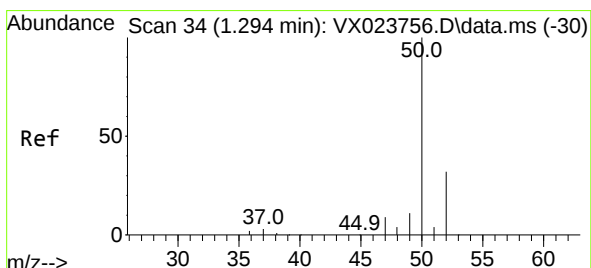
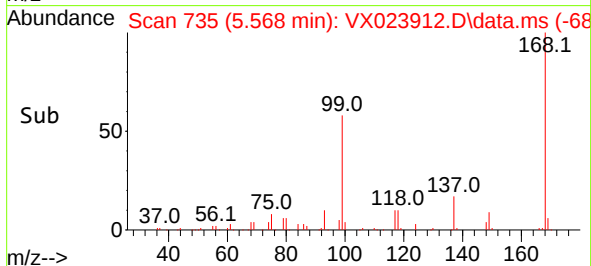
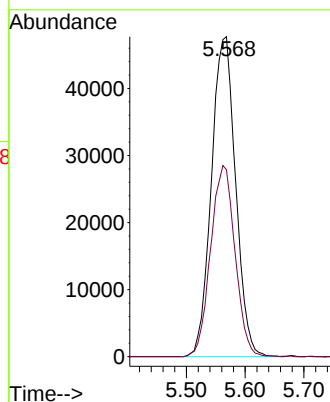
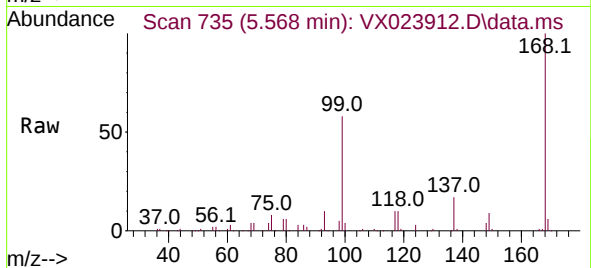




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

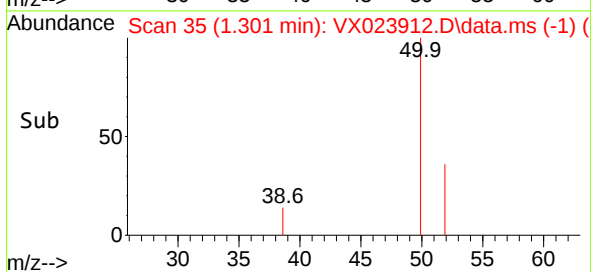
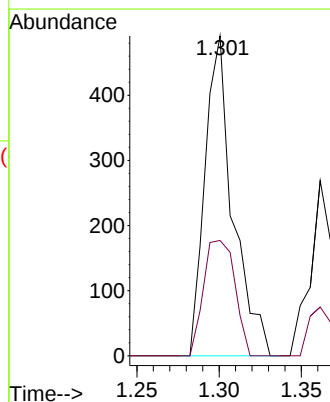
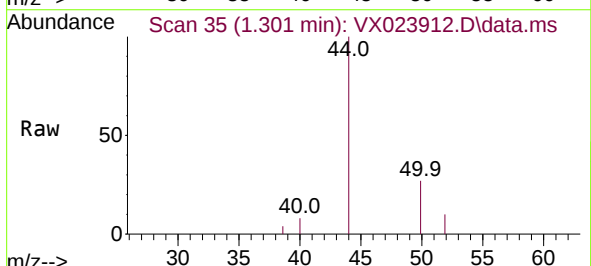
Instrument :
MSVOA_X
ClientSampleId :

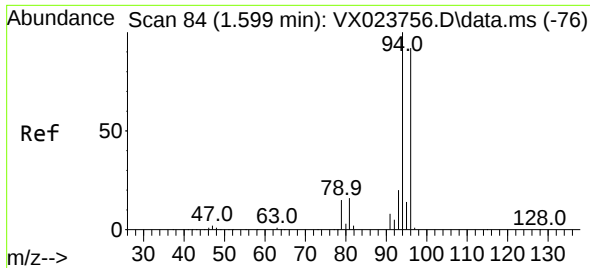
Tgt Ion:168 Resp: 136468
Ion Ratio Lower Upper
168 100
99 58.4 45.8 68.6



#3
Chloromethane
Concen: 0.366 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

Tgt Ion: 50 Resp: 579
Ion Ratio Lower Upper
50 100
52 36.0 26.4 39.6

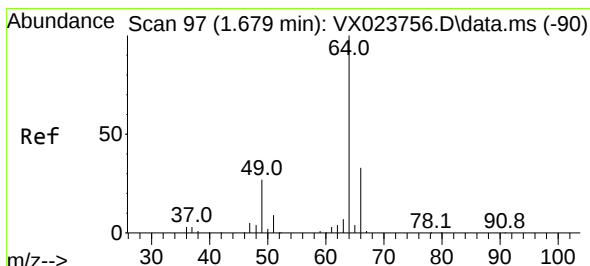
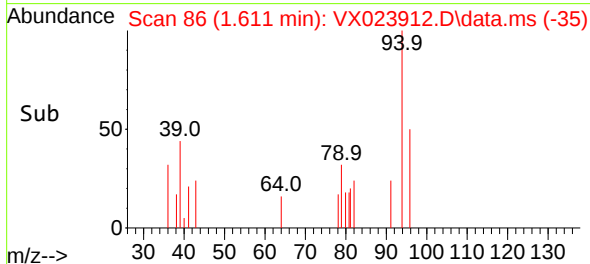
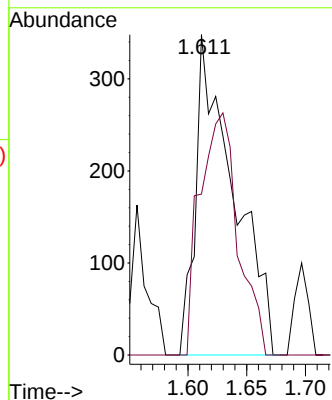
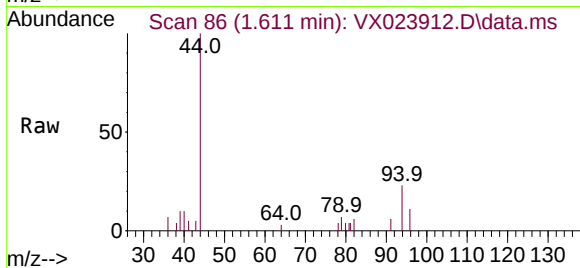




#5
Bromomethane
Concen: 0.807 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

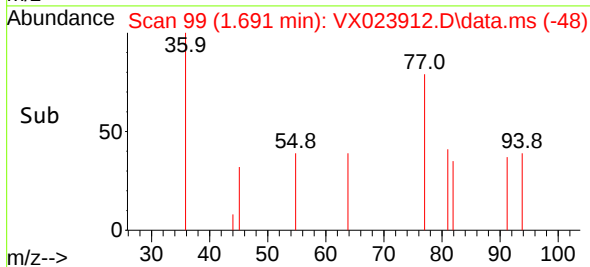
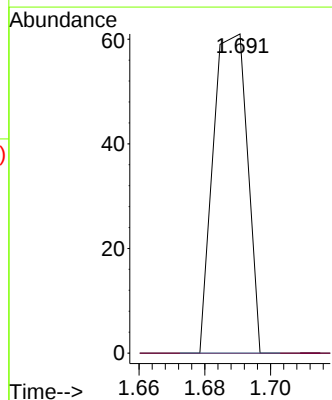
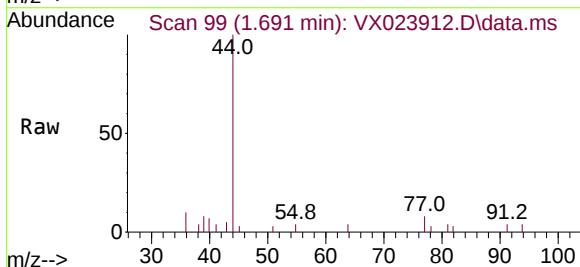
Instrument :
MSVOA_X
ClientSampleId :

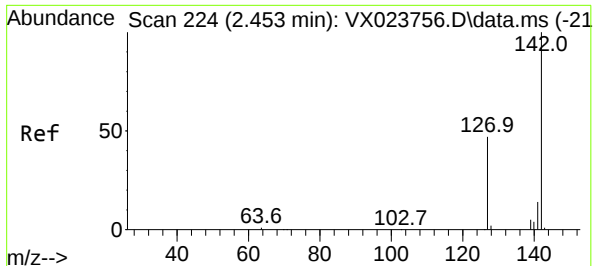
Tgt Ion: 94 Resp: 782
Ion Ratio Lower Upper
94 100
96 50.3 76.4 114.6#



#6
Chloroethane
Concen: 2.250 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

Tgt Ion: 64 Resp: 44
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

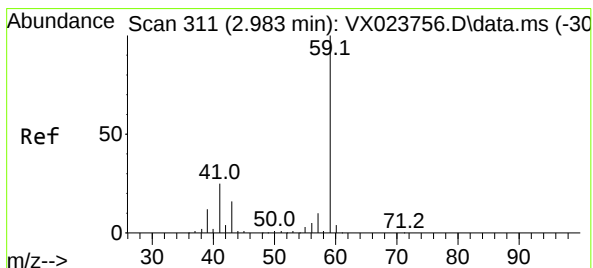
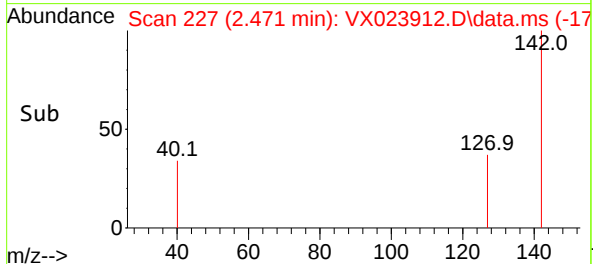
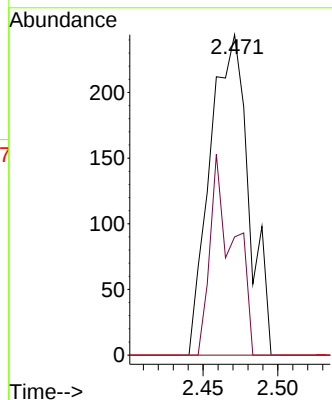
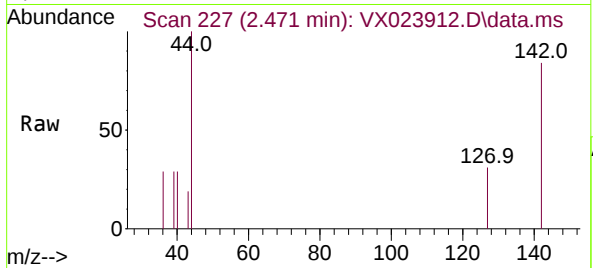




#10
Methyl Iodide
Concen: 0.230 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

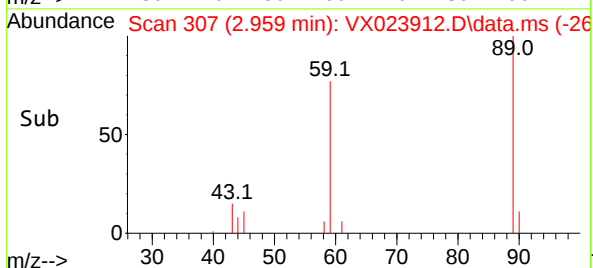
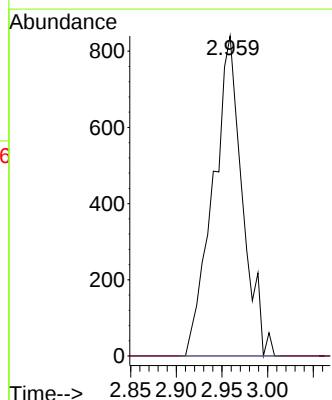
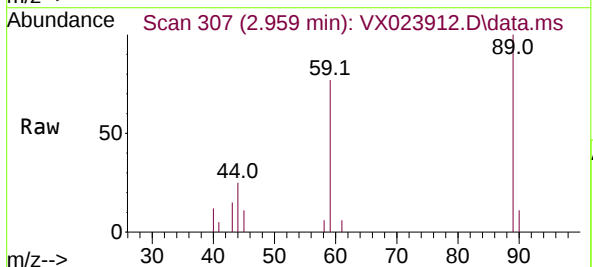
Instrument :
MSVOA_X
ClientSampled :

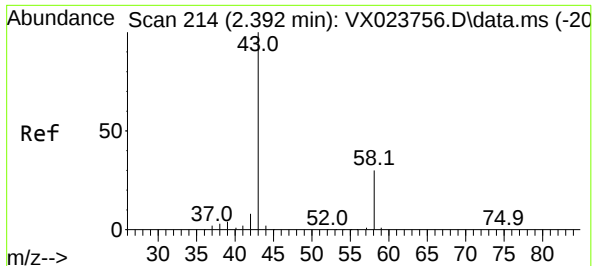
Tgt Ion:142 Resp: 439
Ion Ratio Lower Upper
142 100
127 38.7 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 4.873 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

Tgt Ion: 59 Resp: 1877
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

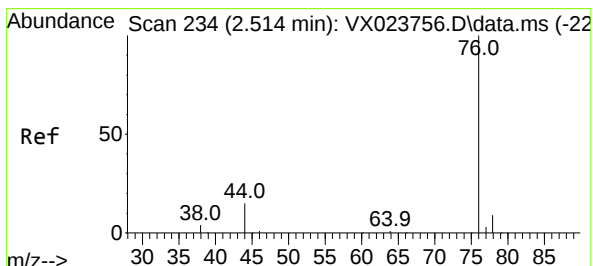
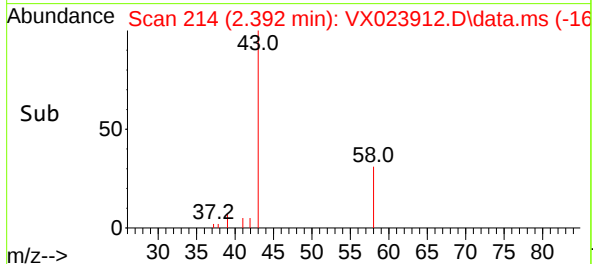
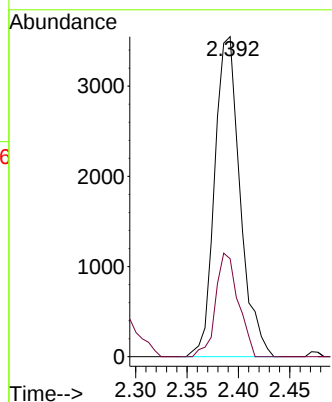
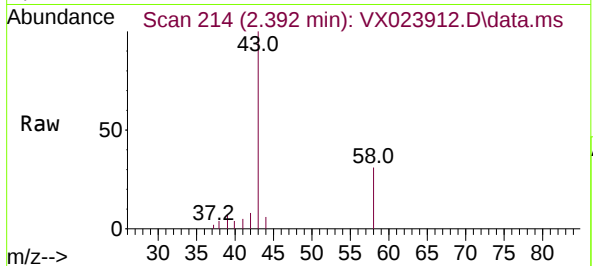




#16
Acetone
Concen: 7.180 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

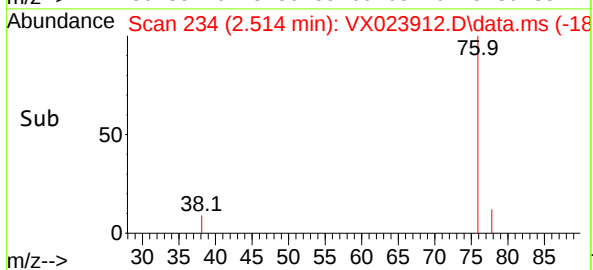
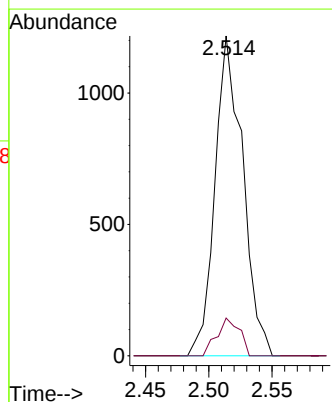
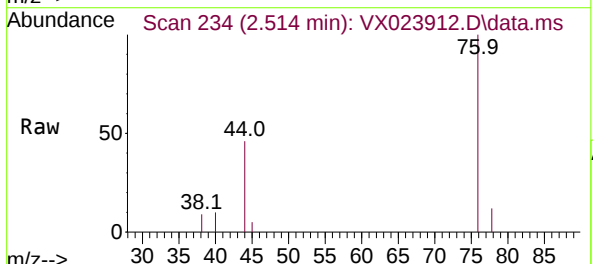
Instrument :
MSVOA_X
ClientSampleId :

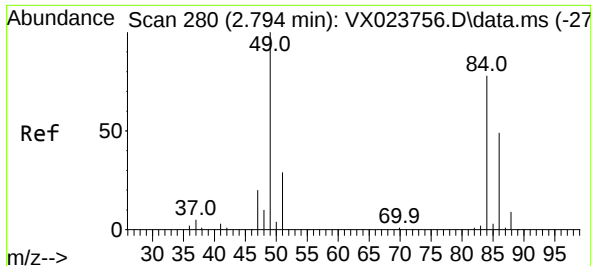
Tgt Ion: 43 Resp: 6115
Ion Ratio Lower Upper
43 100
58 30.6 27.8 41.8



#17
Carbon Disulfide
Concen: 0.595 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

Tgt Ion: 76 Resp: 1858
Ion Ratio Lower Upper
76 100
78 11.8 7.2 10.8#

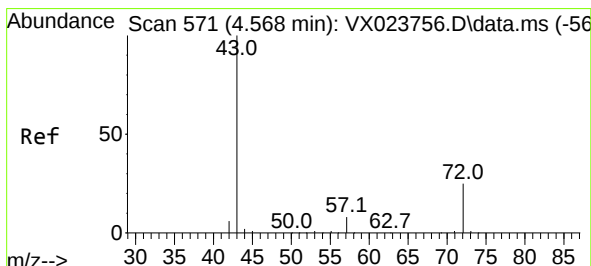
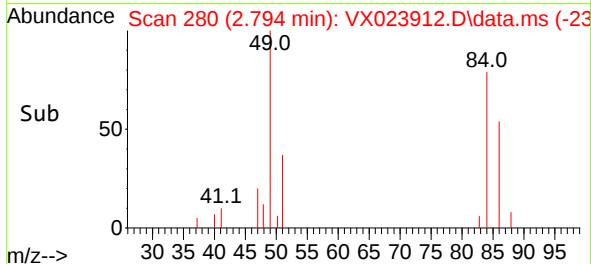
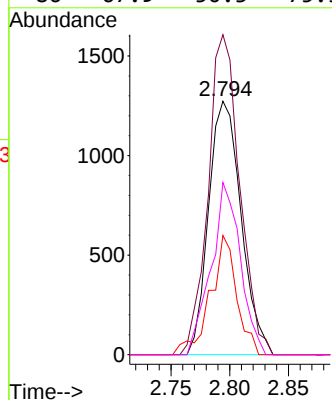
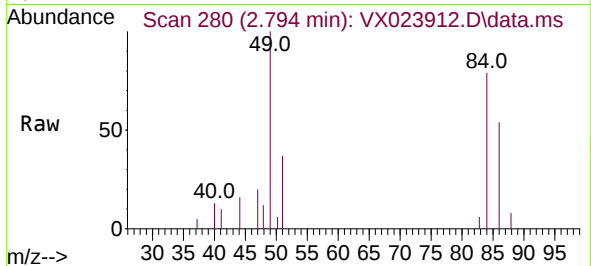




#20
Methylene Chloride
Concen: 1.506 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

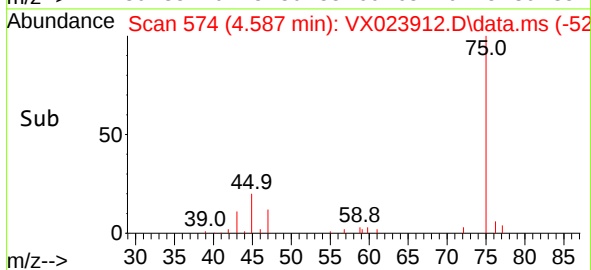
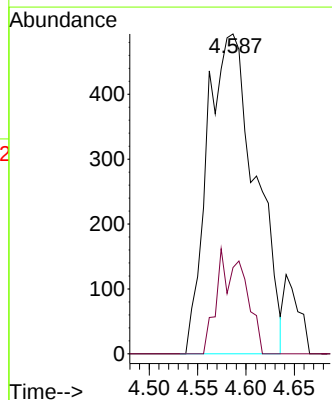
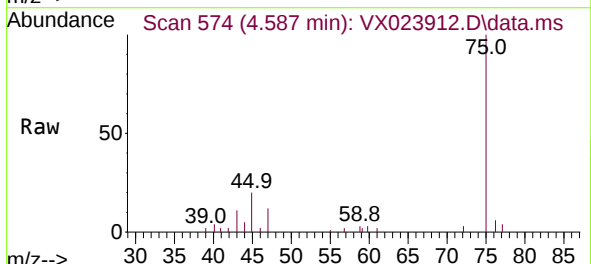
Instrument :
MSVOA_X
ClientSampleId :

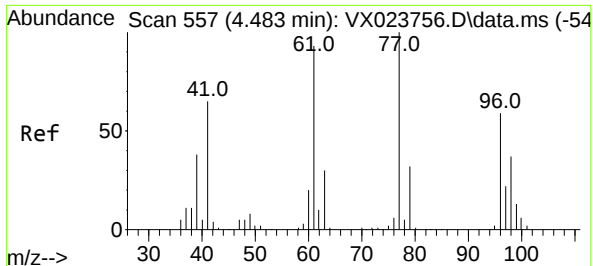
Tgt Ion:	84	Resp:	2450
Ion	Ratio	Lower	Upper
84	100		
49	126.2	88.6	132.8
51	47.1	27.0	40.6#
86	67.9	50.3	75.5



#25
2-Butanone
Concen: 1.319 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

Tgt Ion:	43	Resp:	1701
Ion	Ratio	Lower	Upper
43	100		
72	27.0	23.7	35.5





#26

2,2-Dichloropropane

Concen: 0.215 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.104 min

Lab File: VX023912.D

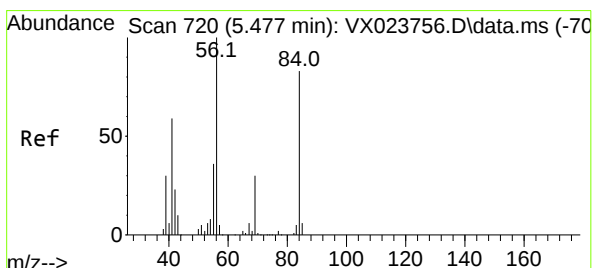
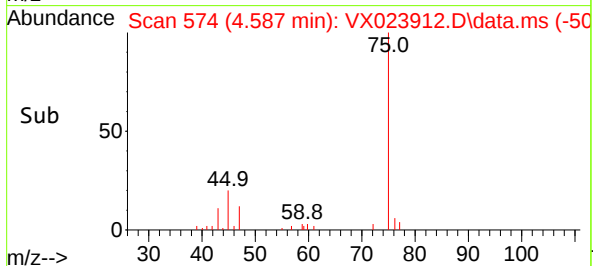
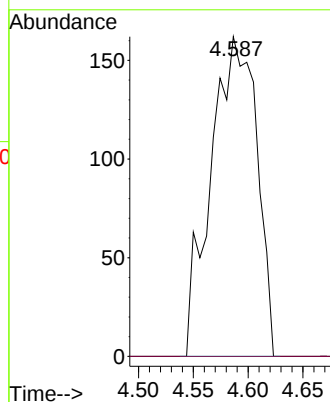
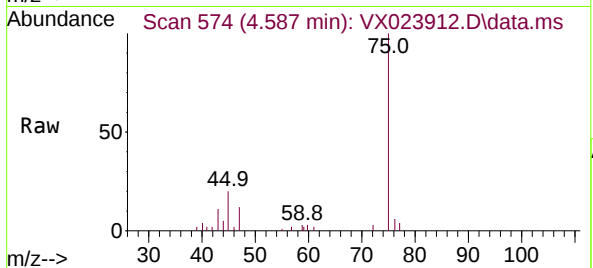
Acq: 23 Aug 2021 20:48

Tgt Ion: 77 Resp: 472

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#



#31

Cyclohexane

Concen: 1.288 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023912.D

Acq: 23 Aug 2021 20:48

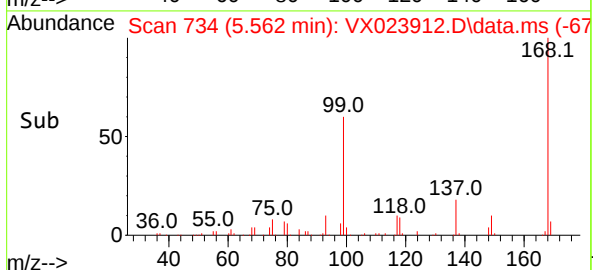
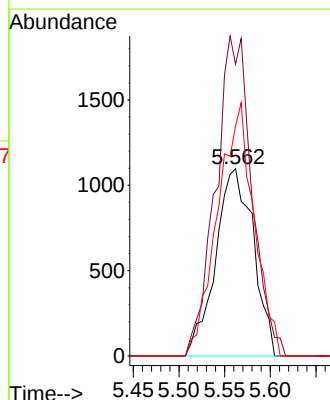
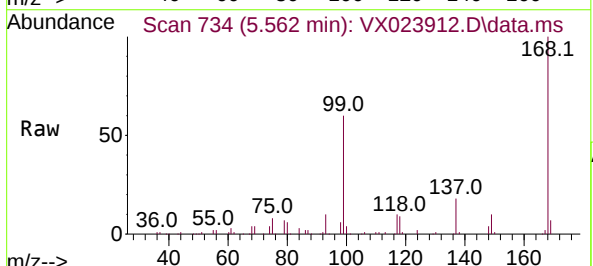
Tgt Ion: 56 Resp: 3151

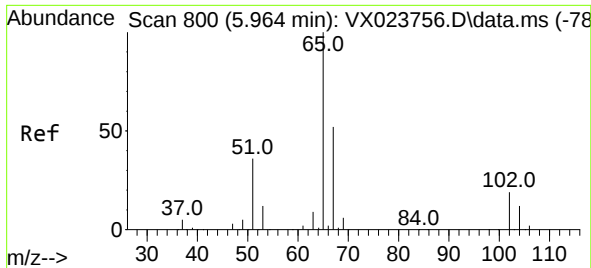
Ion Ratio Lower Upper

56 100

69 155.8 25.3 37.9#

84 122.8 71.4 107.0#

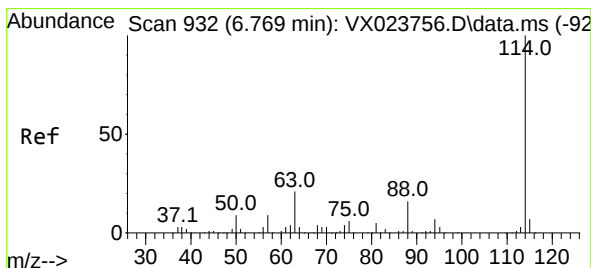
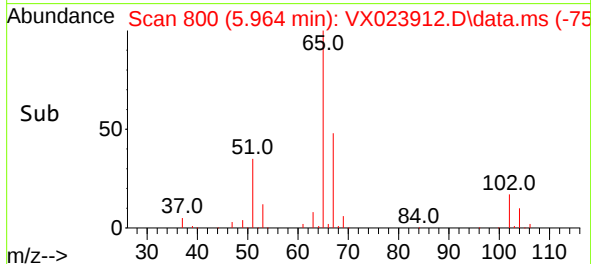
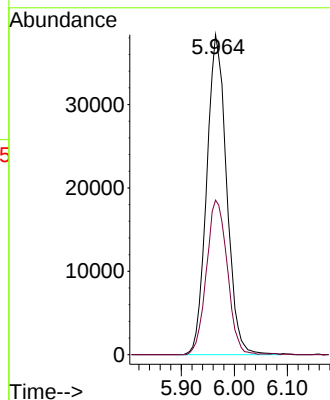
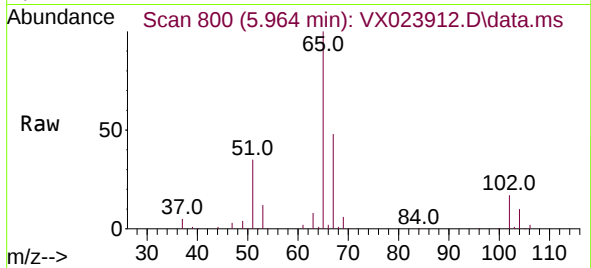




#33
 1,2-Dichloroethane-d4
 Concen: 52.487 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023912.D
 Acq: 23 Aug 2021 20:48

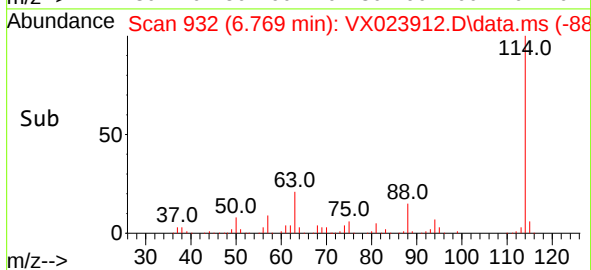
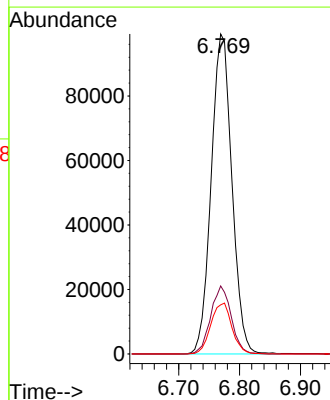
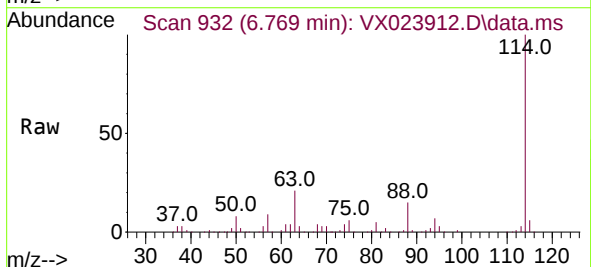
Instrument :
 MSVOA_X
 ClientSampled :

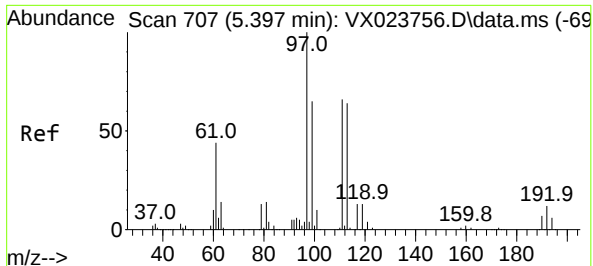
Tgt Ion: 65 Resp: 99970
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023912.D
 Acq: 23 Aug 2021 20:48

Tgt Ion:114 Resp: 234605
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.8
 88 15.3 0.0 32.8

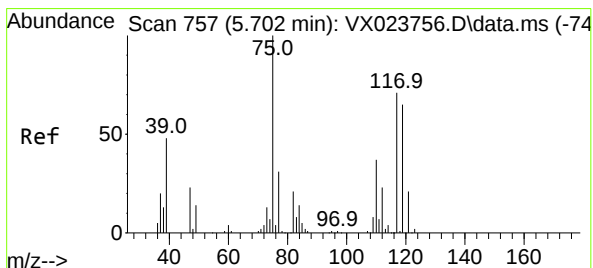
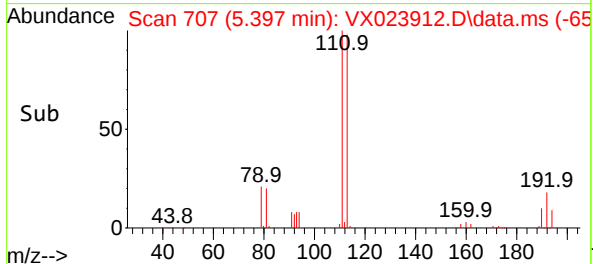
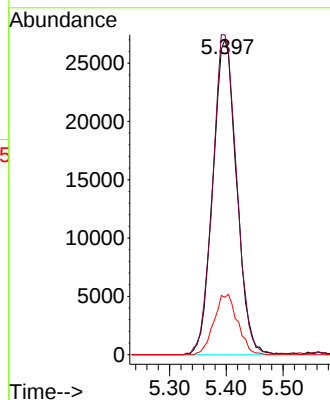
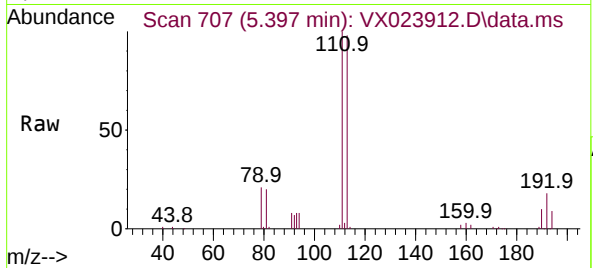




#35
Dibromofluoromethane
Concen: 50.645 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

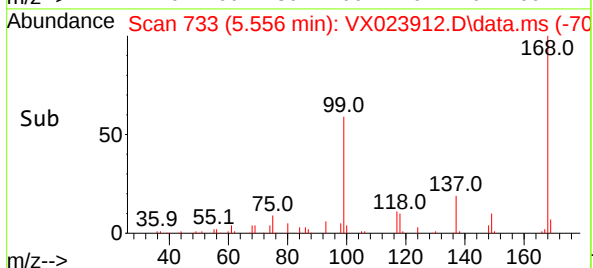
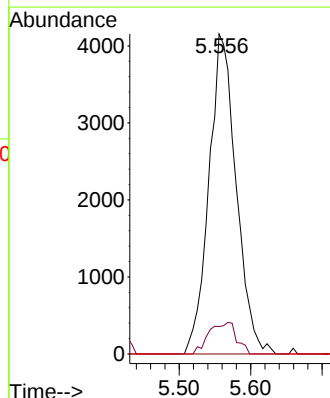
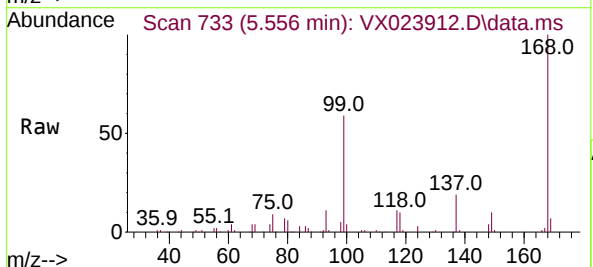
Instrument :
MSVOA_X
ClientSampleId :

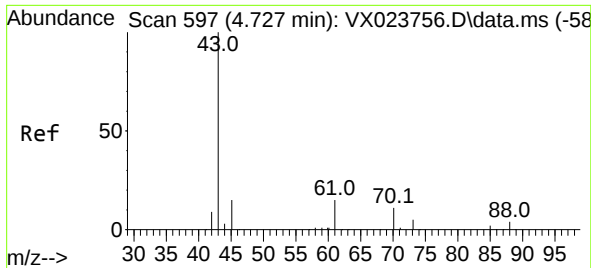
Tgt Ion:113 Resp: 78641
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 19.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.061 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

Tgt Ion: 75 Resp: 10996
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.637 ug/l

RT: 4.587 min Scan# 574

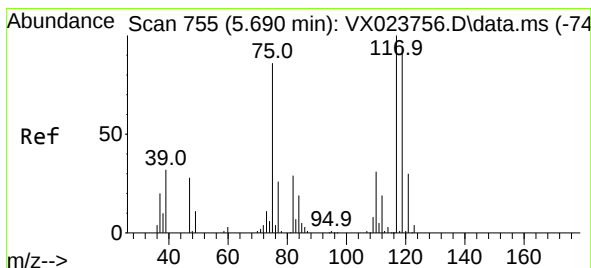
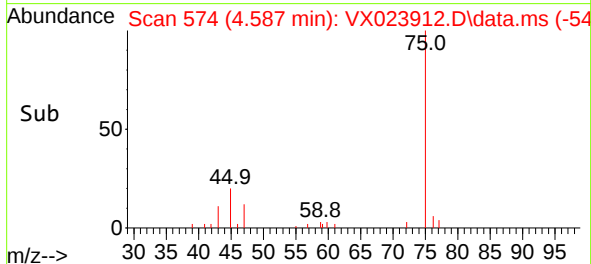
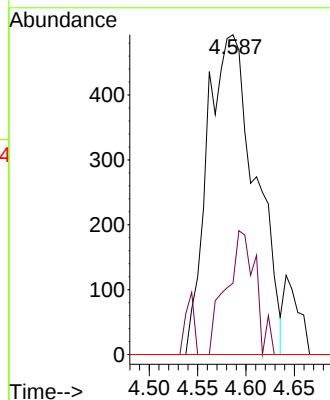
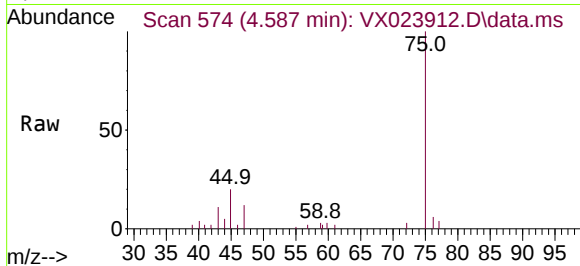
Delta R.T. -0.140 min

Lab File: VX023912.D

Acq: 23 Aug 2021 20:48

Tgt Ion: 43	Resp: 1701
Ion Ratio	Lower Upper
43 100	
61 23.6	12.8 19.2#
70 0.0	10.5 15.7#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.136 ug/l

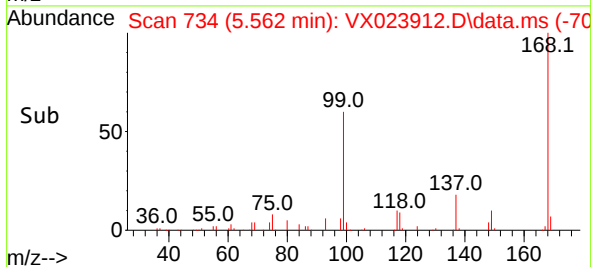
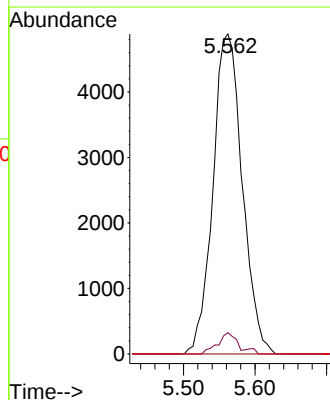
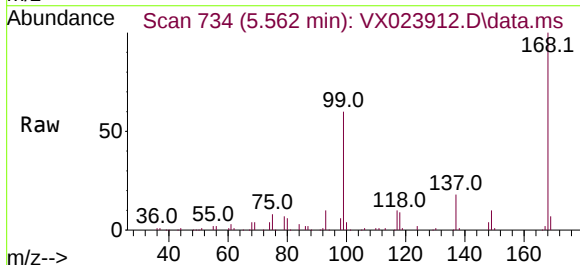
RT: 5.562 min Scan# 734

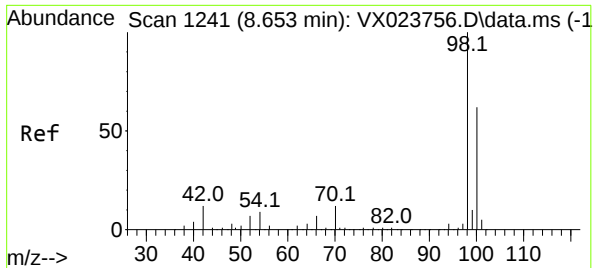
Delta R.T. -0.128 min

Lab File: VX023912.D

Acq: 23 Aug 2021 20:48

Tgt Ion: 117	Resp: 13902
Ion Ratio	Lower Upper
117 100	
119 6.6	76.2 114.2#
121 0.0	24.8 37.2#

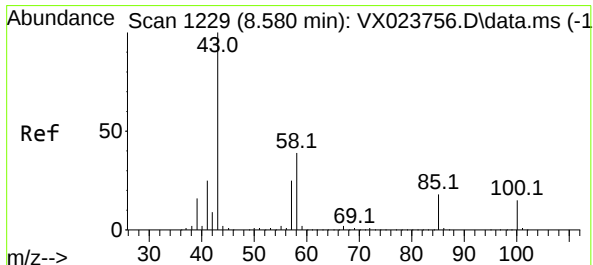
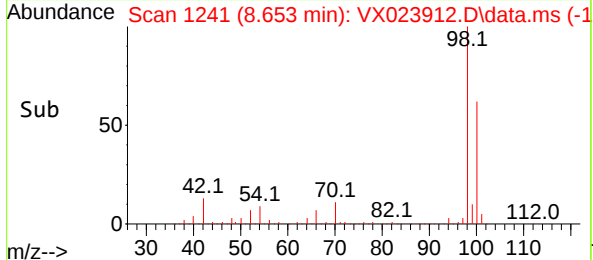
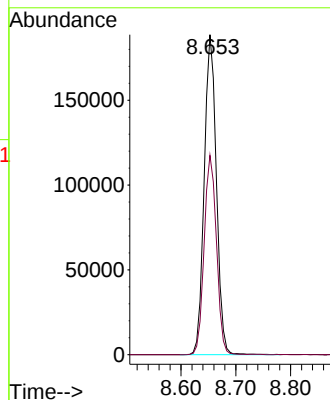
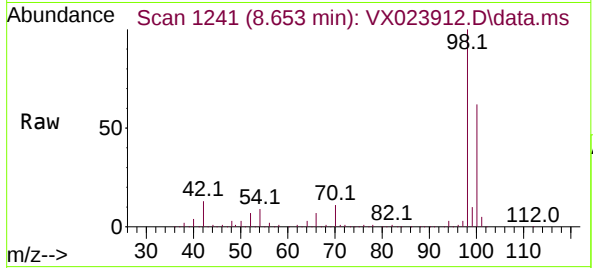




#50
Toluene-d8
Concen: 49.058 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

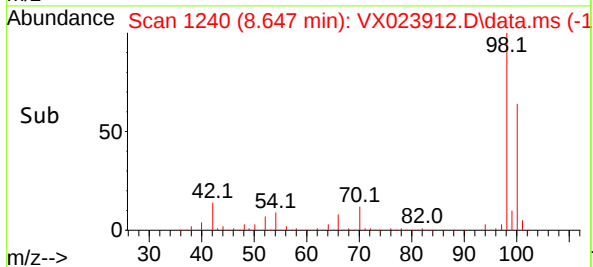
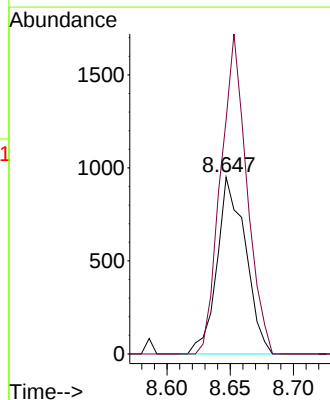
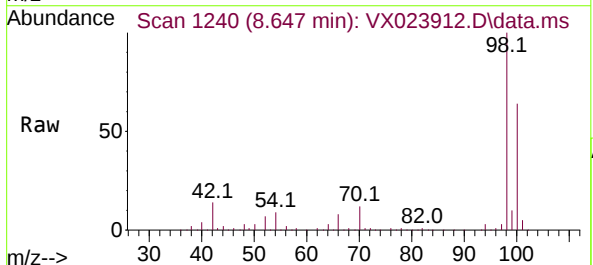
Instrument :
MSVOA_X
ClientSampled :

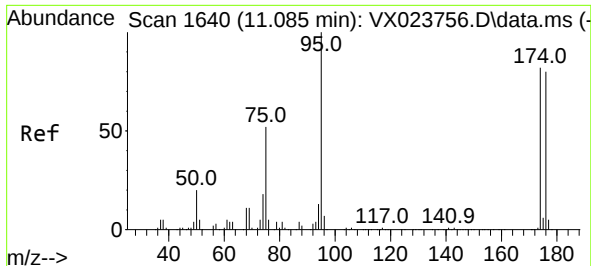
Tgt Ion: 98 Resp: 289933
Ion Ratio Lower Upper
98 100
100 62.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.550 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

Tgt Ion: 43 Resp: 1485
Ion Ratio Lower Upper
43 100
58 166.3 35.4 53.0#

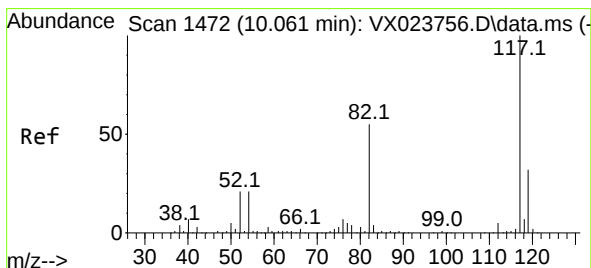
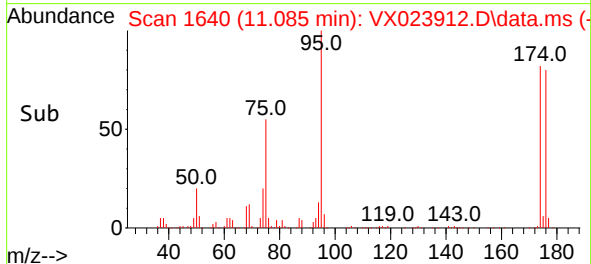
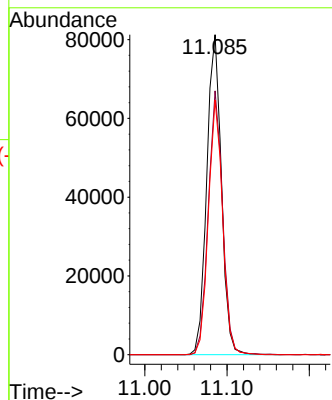
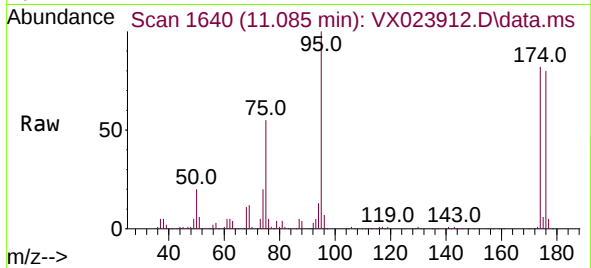




#62
4-Bromofluorobenzene
Concen: 46.203 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

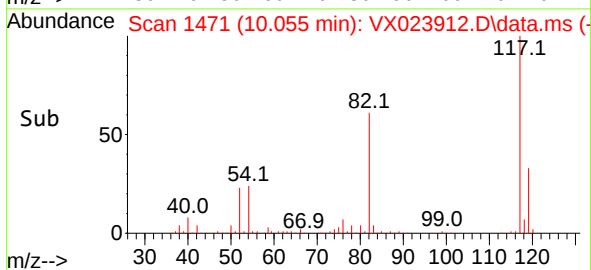
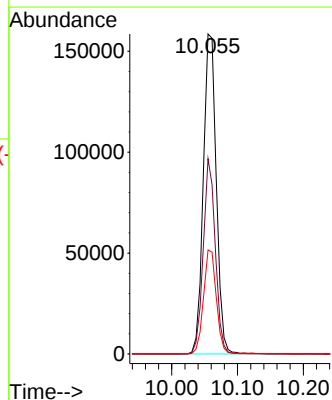
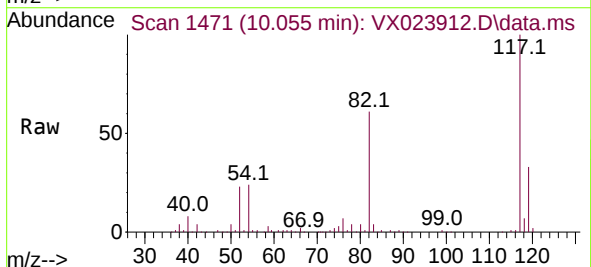
Instrument :
MSVOA_X
ClientSampleId :

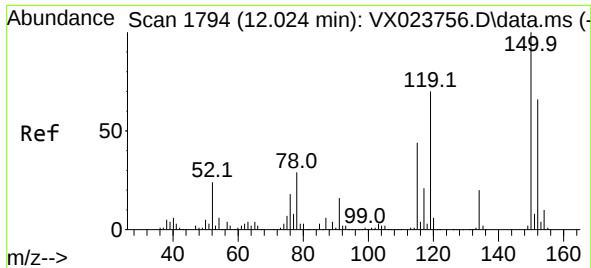
Tgt Ion: 95 Resp: 100520
Ion Ratio Lower Upper
95 100
174 81.2 0.0 154.6
176 77.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

Tgt Ion: 117 Resp: 218189
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.2
119 32.5 26.6 39.8

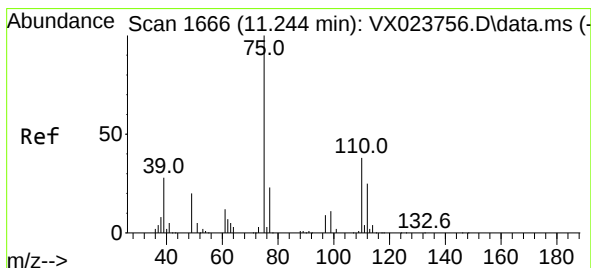
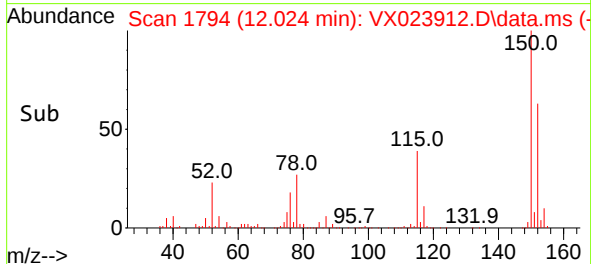
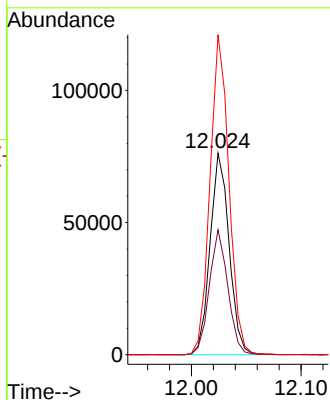
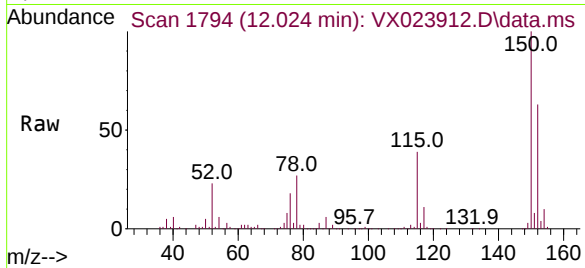




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023912.D
 Acq: 23 Aug 2021 20:48

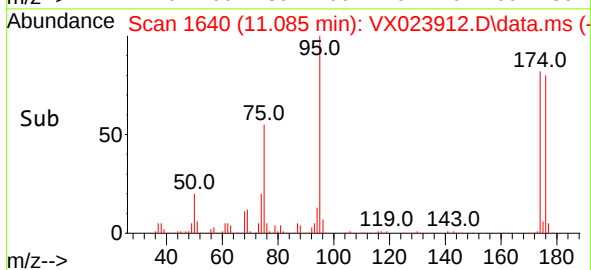
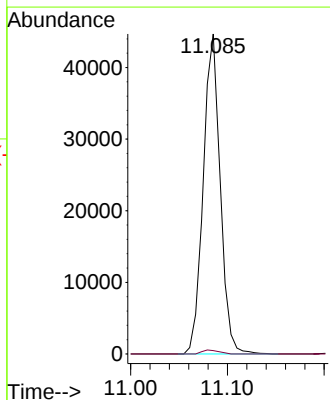
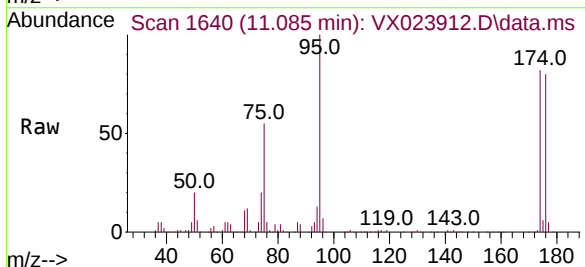
Instrument :
 MSVOA_X
 ClientSampleId :

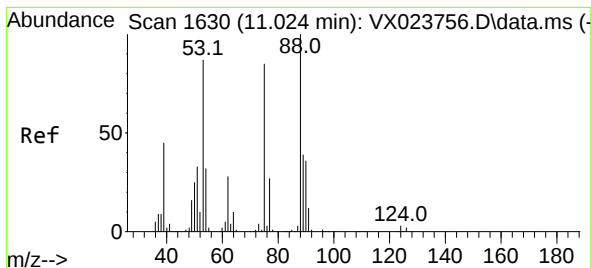
Tgt Ion:152 Resp: 92015
 Ion Ratio Lower Upper
 152 100
 115 60.3 41.1 123.3
 150 157.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.433 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023912.D
 Acq: 23 Aug 2021 20:48

Tgt Ion: 75 Resp: 54591
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

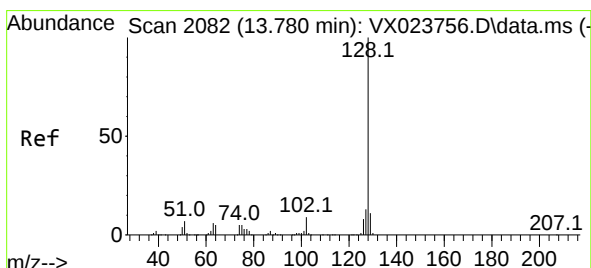
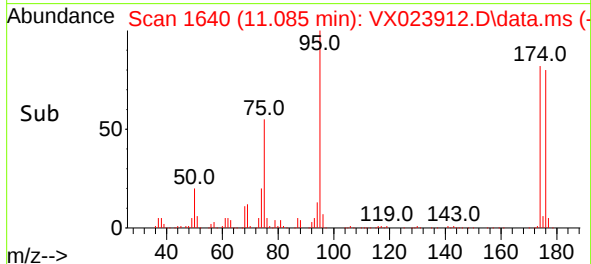
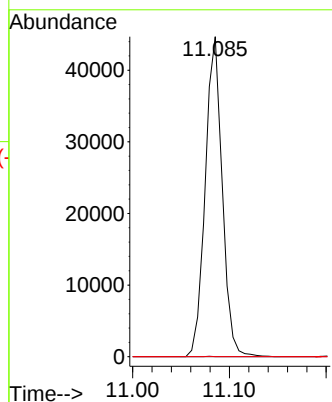
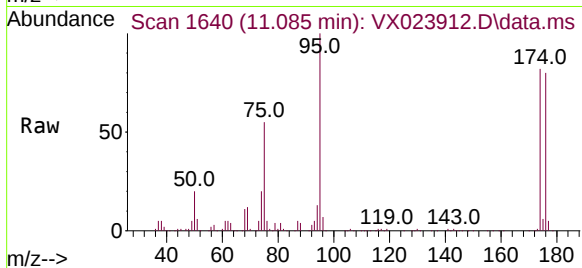




#81
trans-1,4-Dichloro-2-butene
Concen: 74.812 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 54591
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.304 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023912.D
Acq: 23 Aug 2021 20:48

Tgt Ion: 128 Resp: 147
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

