

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082321\
 Data File : VX023910.D
 Acq On : 23 Aug 2021 20:00
 Operator : JC/MD
 Sample : M3520-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 07:16:44 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)

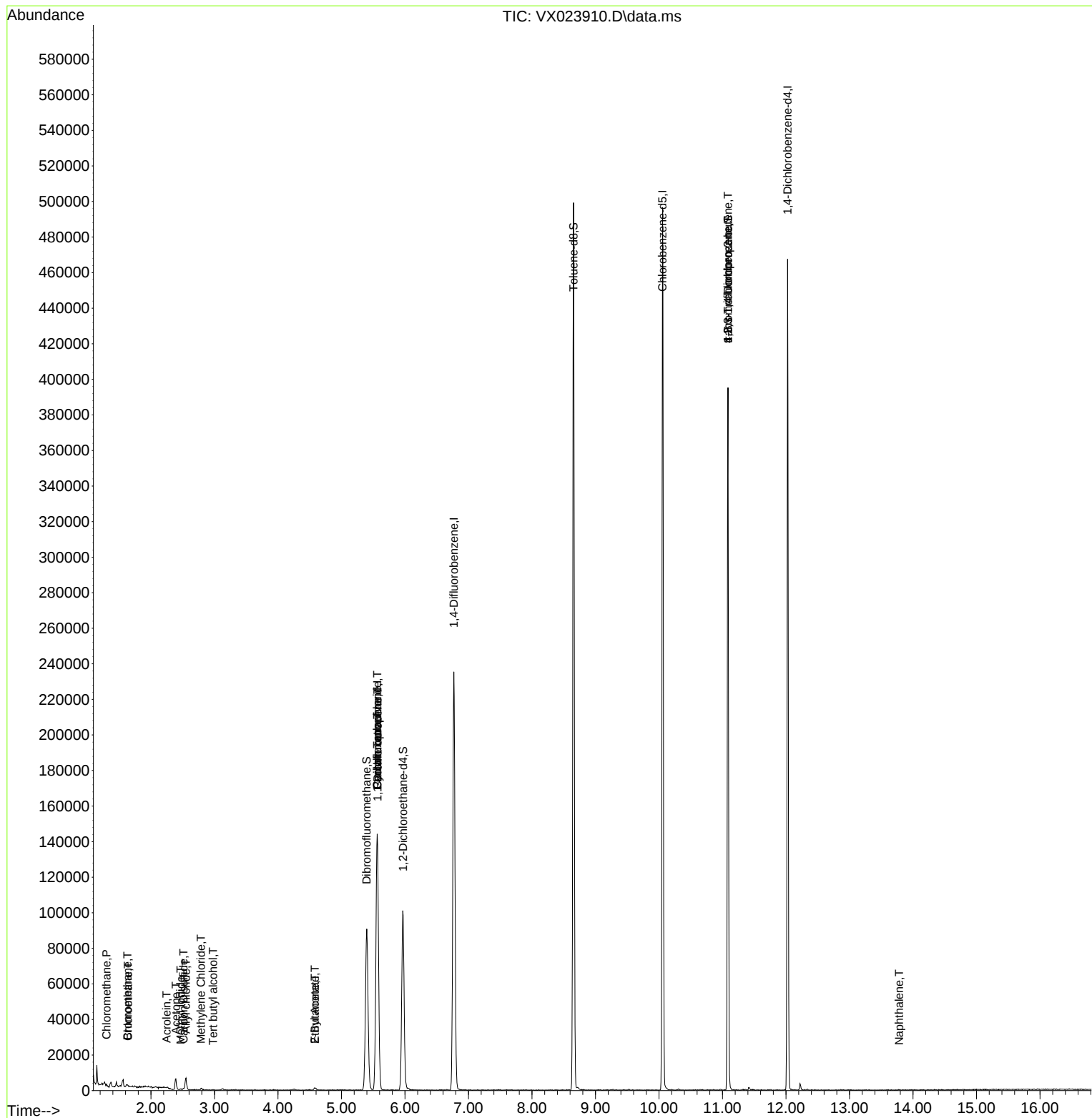
Internal Standards						
1) Pentafluorobenzene	5.562	168	136332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235404	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	97849	51.425	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.840%
35) Dibromofluoromethane	5.398	113	76716	49.238	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.480%
50) Toluene-d8	8.653	98	285065	48.071	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.140%
62) 4-Bromofluorobenzene	11.086	95	100554	46.061	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.120%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	640	0.405	ug/l	100
5) Bromomethane	1.630	94	754	0.779	ug/l	81
6) Chloroethane	1.636	64	19	2.232	ug/l #	43
10) Methyl Iodide	2.465	142	520	0.273	ug/l #	81
11) Tert butyl alcohol	2.977	59	130	0.338	ug/l #	73
13) Acrolein	2.246	56	57	0.249	ug/l #	14
14) Allyl chloride	2.550	41	689	0.286	ug/l #	35
16) Acetone	2.392	43	6501	7.641	ug/l	89
17) Carbon Disulfide	2.514	76	1155	0.370	ug/l #	86
20) Methylene Chloride	2.788	84	339	0.209	ug/l #	79
25) 2-Butanone	4.581	43	2105	1.634	ug/l #	86
31) Cyclohexane	5.562	56	3115	1.274	ug/l #	18
36) 1,1-Dichloropropene	5.568	75	10847	4.976	ug/l #	50
37) Ethyl Acetate	4.581	43	2105	0.786	ug/l #	64
38) Carbon Tetrachloride	5.562	117	14043	6.177	ug/l #	17
76) 1,2,3-Trichloropropane	11.086	75	53773	24.744	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.086	75	53773	72.787	ug/l #	12
95) Naphthalene	13.780	128	380	1.337	ug/l #	69

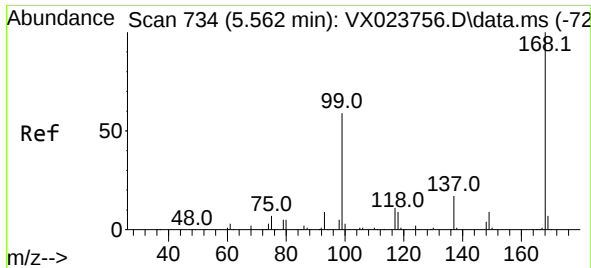
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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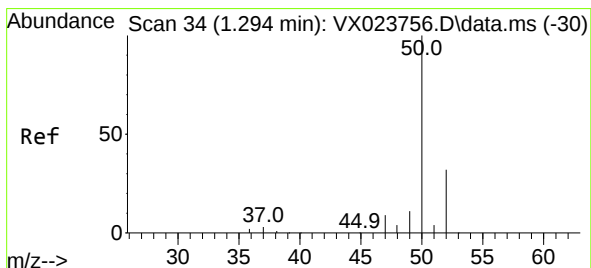
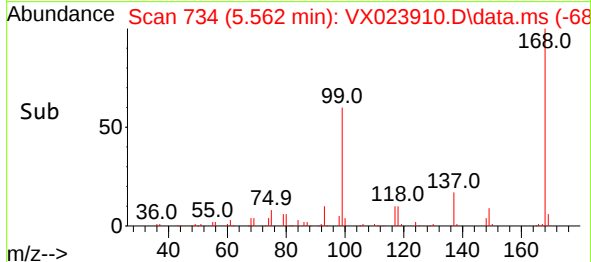
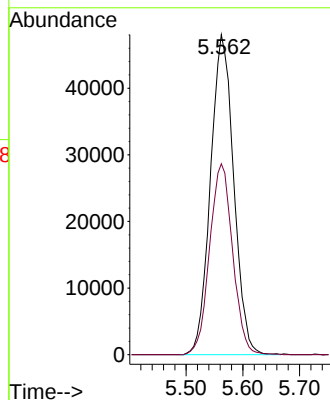
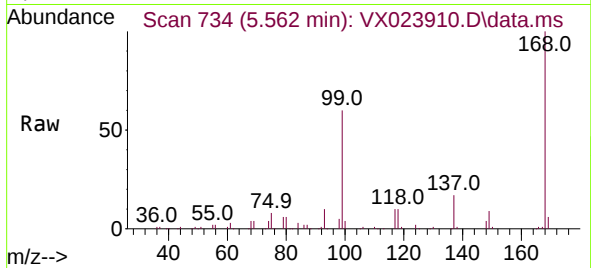




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

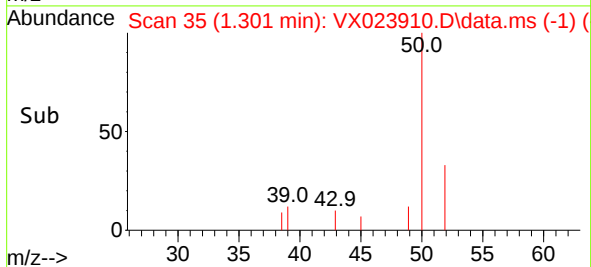
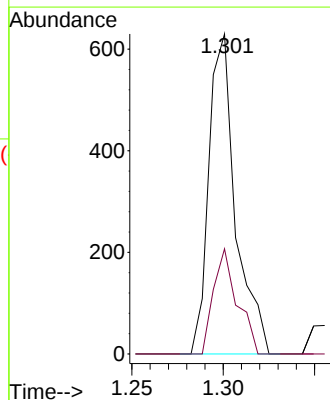
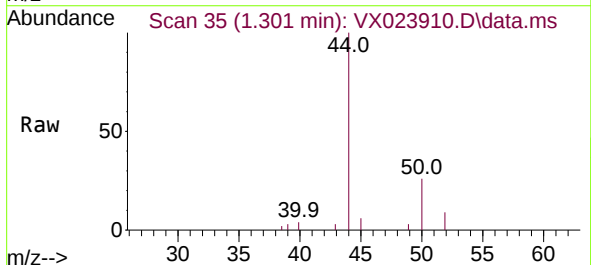
Instrument :
MSVOA_X
ClientSampleId :

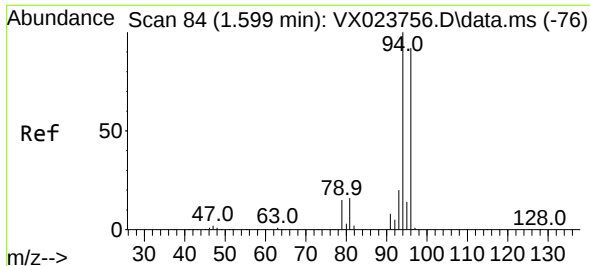
Tgt Ion:168 Resp: 136332
Ion Ratio Lower Upper
168 100
99 59.7 45.8 68.6



#3
Chloromethane
Concen: 0.405 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

Tgt Ion: 50 Resp: 640
Ion Ratio Lower Upper
50 100
52 32.9 26.4 39.6

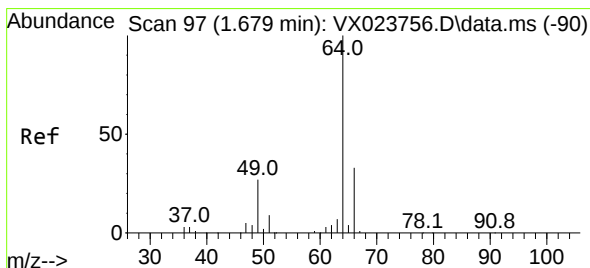
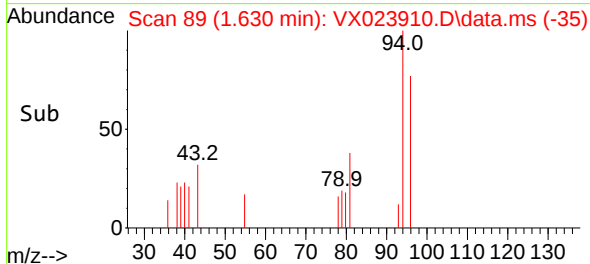
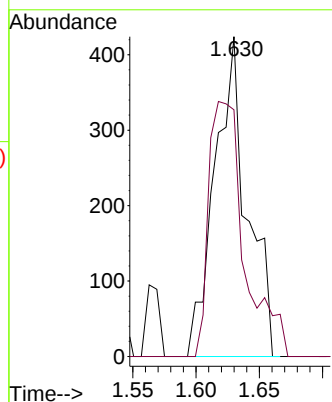
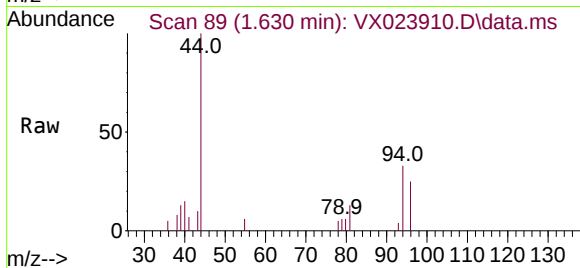




#5
Bromomethane
Concen: 0.779 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

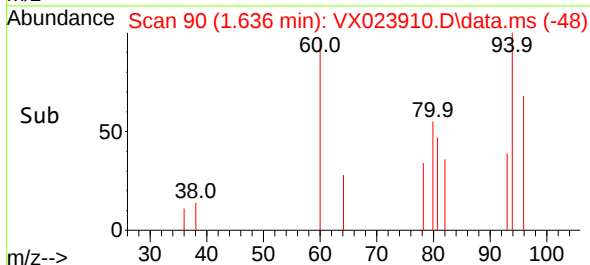
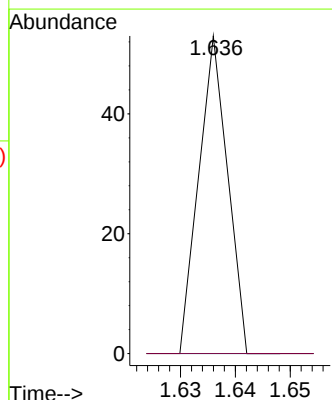
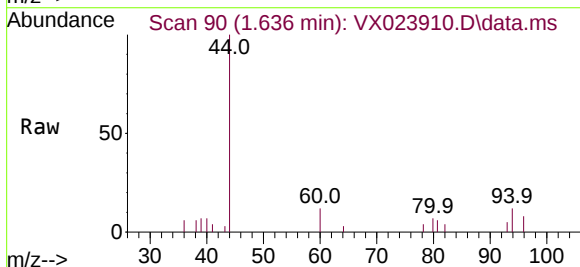
Instrument :
MSVOA_X
ClientSampleId :

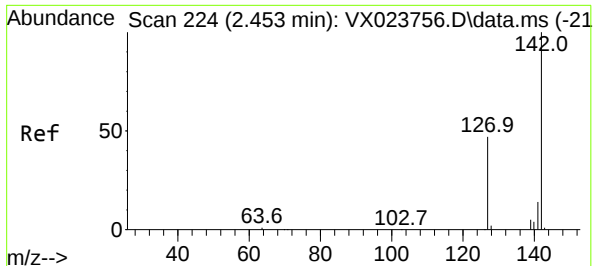
Tgt Ion: 94 Resp: 754
Ion Ratio Lower Upper
94 100
96 77.1 76.4 114.6



#6
Chloroethane
Concen: 2.232 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.043 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

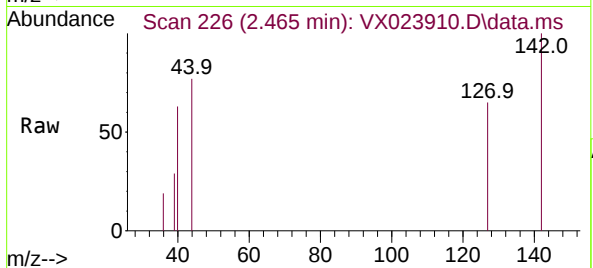
Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



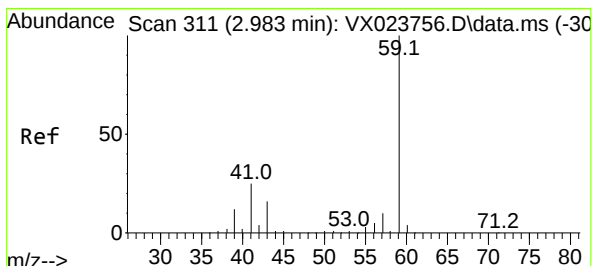
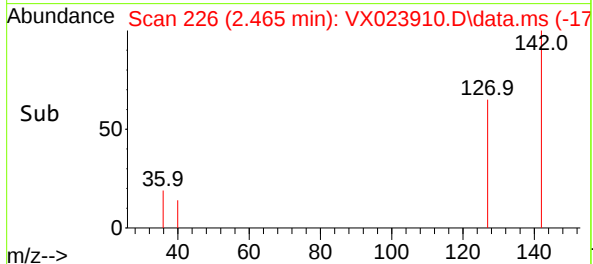
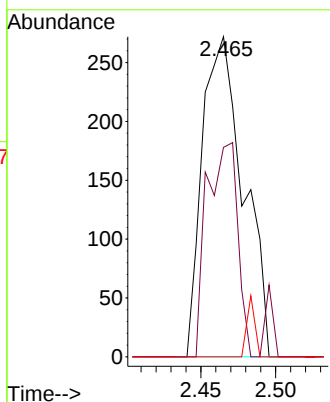


#10
Methyl Iodide
Concen: 0.273 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

Instrument :
MSVOA_X
ClientSampled :

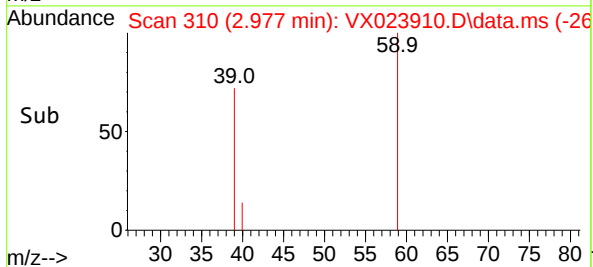
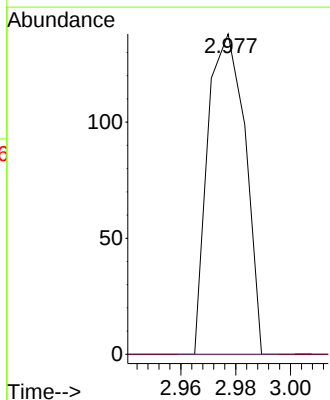
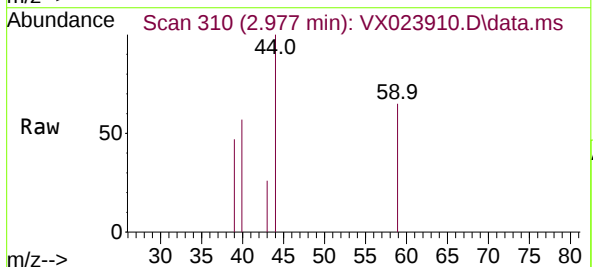


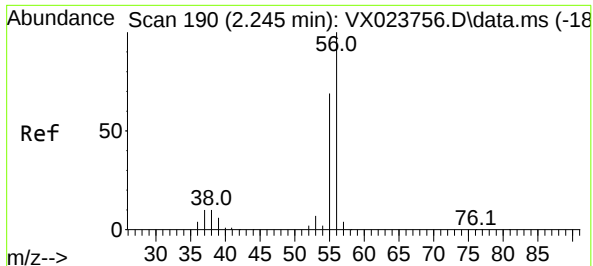
Tgt Ion:142 Resp: 520
Ion Ratio Lower Upper
142 100
127 50.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.338 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

Tgt Ion: 59 Resp: 130
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

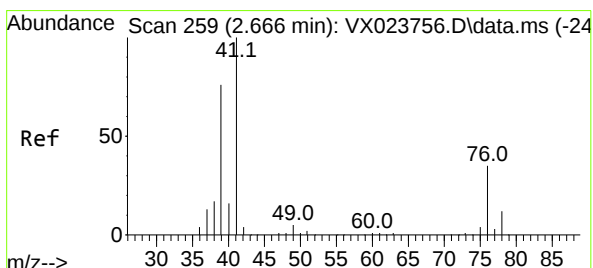
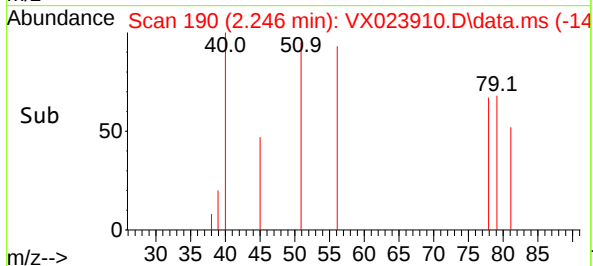
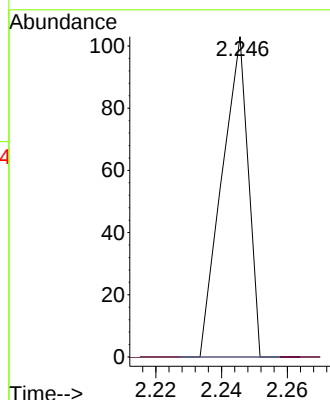
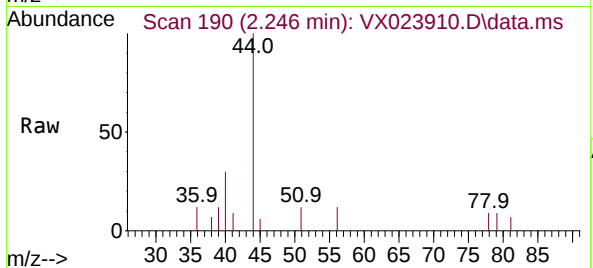




#13
Acrolein
Concen: 0.249 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.001 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

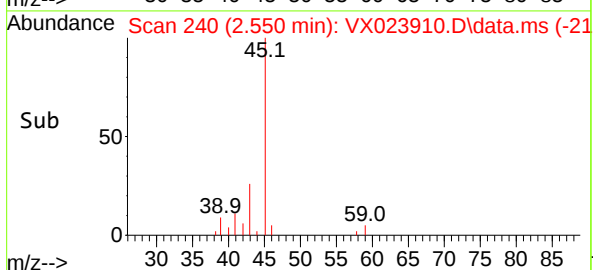
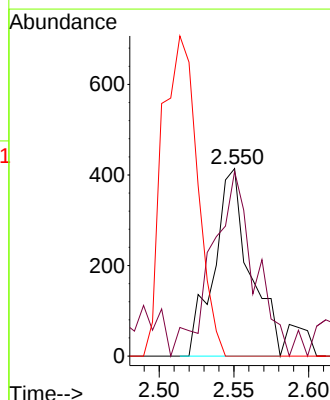
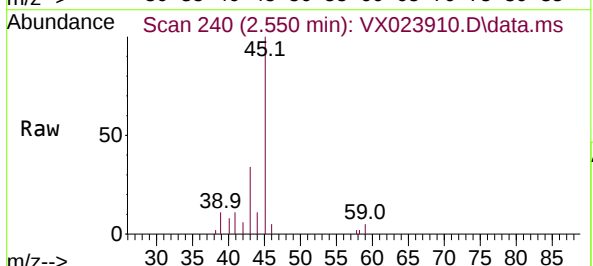
Instrument :
MSVOA_X
ClientSampleId :

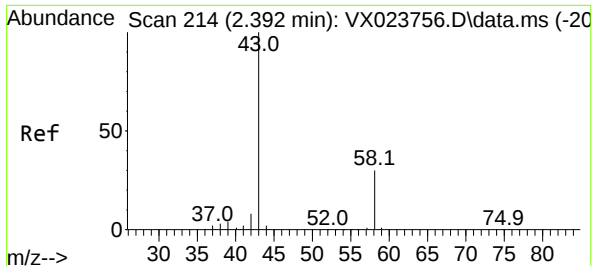
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#14
Allyl chloride
Concen: 0.286 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

Tgt Ion: 41 Resp: 689
Ion Ratio Lower Upper
41 100
39 115.8 51.6 77.4#
76 0.0 30.5 45.7#

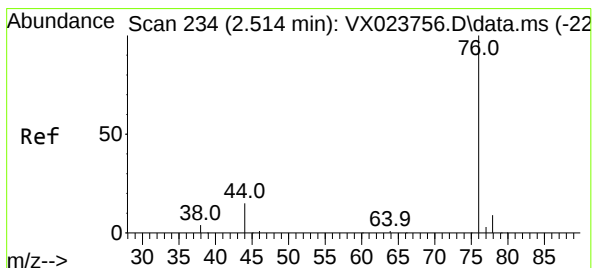
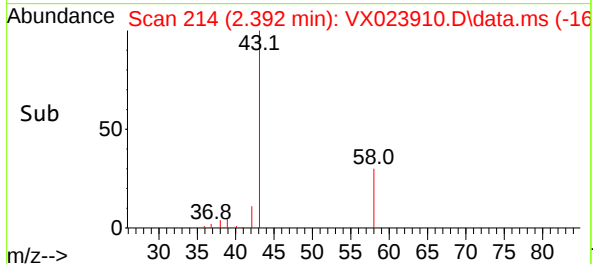
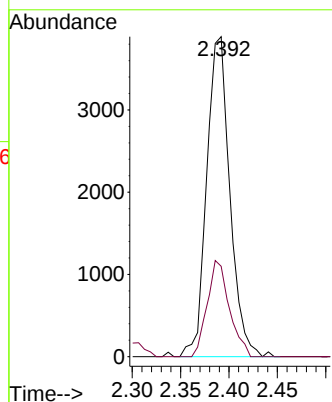
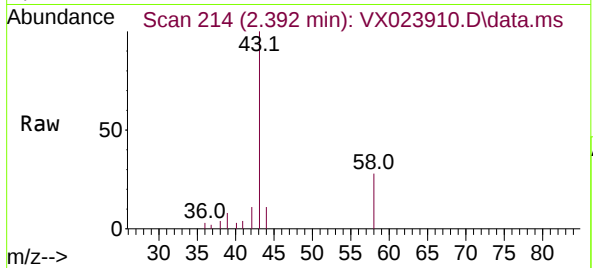




#16
Acetone
Concen: 7.641 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

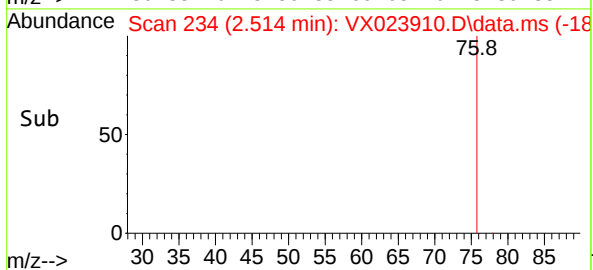
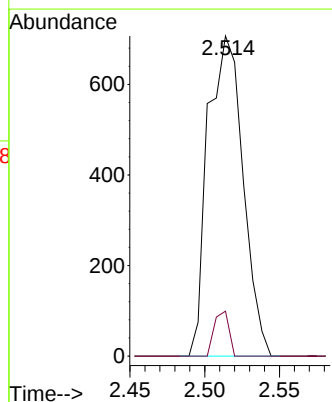
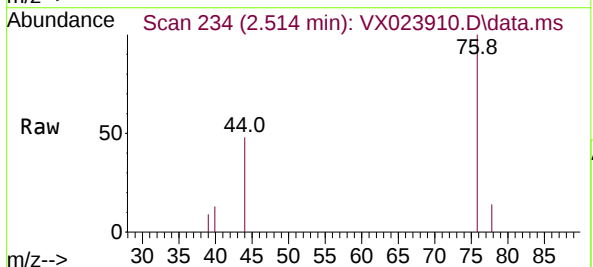
Instrument :
MSVOA_X
ClientSampled :

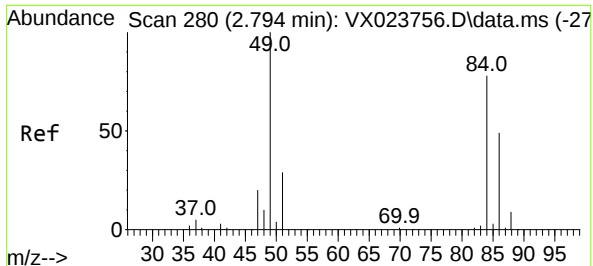
Tgt Ion: 43 Resp: 6501
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8



#17
Carbon Disulfide
Concen: 0.370 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

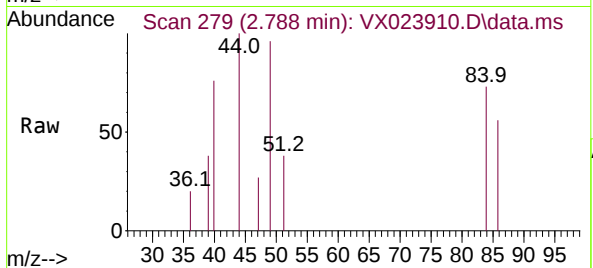
Tgt Ion: 76 Resp: 1155
Ion Ratio Lower Upper
76 100
78 14.0 7.2 10.8#



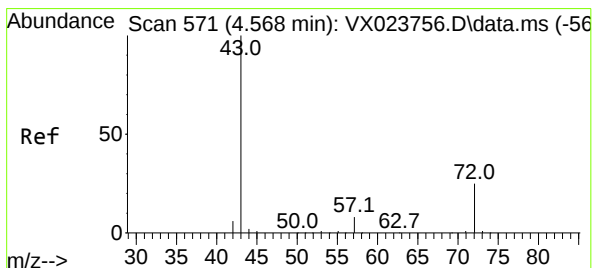
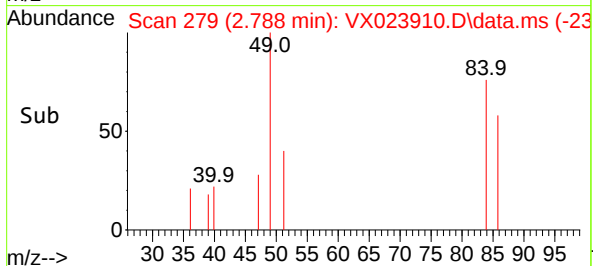
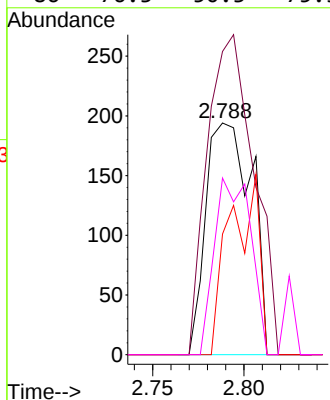


#20
Methylene Chloride
Concen: 0.209 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

Instrument :
MSVOA_X
ClientSampleId :

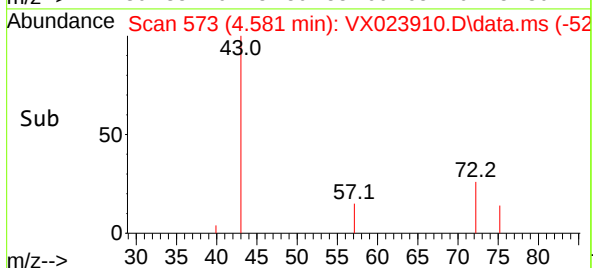
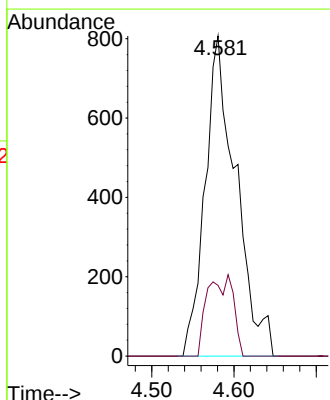
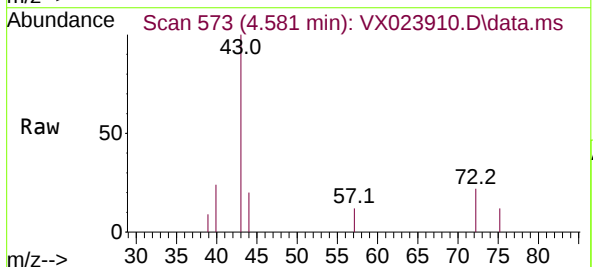


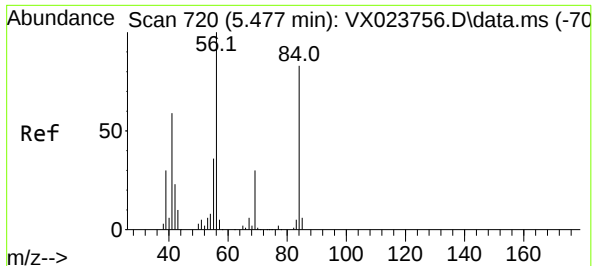
Tgt Ion: 84	Resp: 339
Ion Ratio	Lower Upper
84 100	
49 130.9	88.6 132.8
51 52.1	27.0 40.6#
86 76.3	50.3 75.5#



#25
2-Butanone
Concen: 1.634 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

Tgt Ion: 43	Resp: 2105		
Ion Ratio	Lower	Upper	
43 100			
72 22.1	23.7	35.5#	

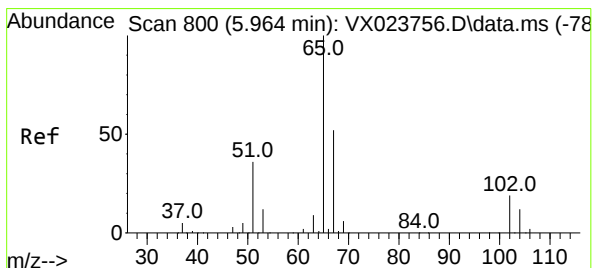
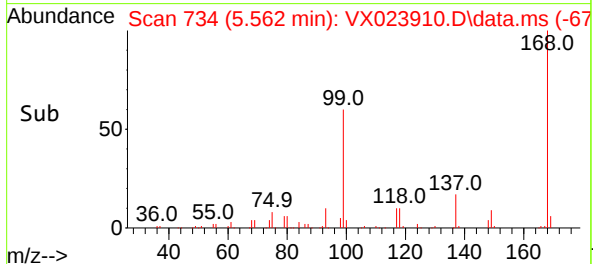
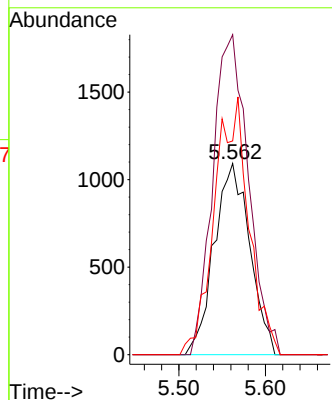
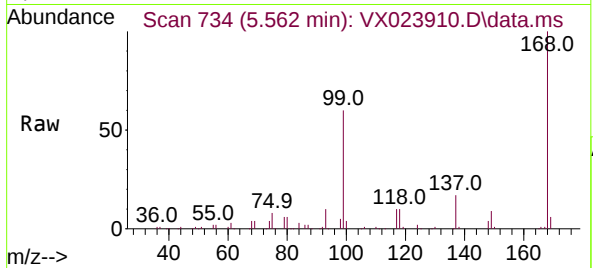




#31
Cyclohexane
Concen: 1.274 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

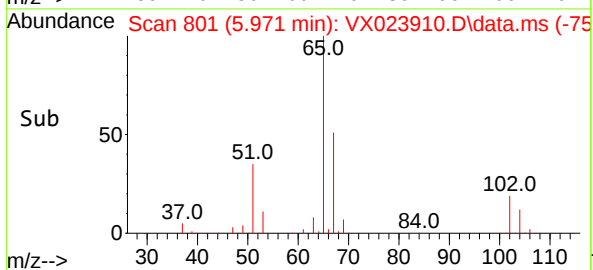
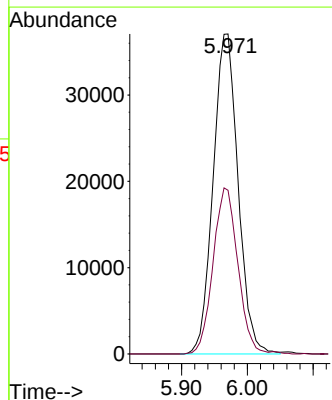
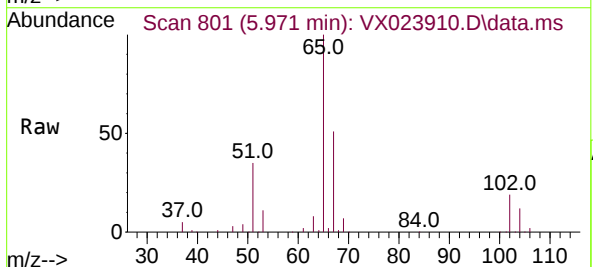
Instrument :
MSVOA_X
ClientSampleId :

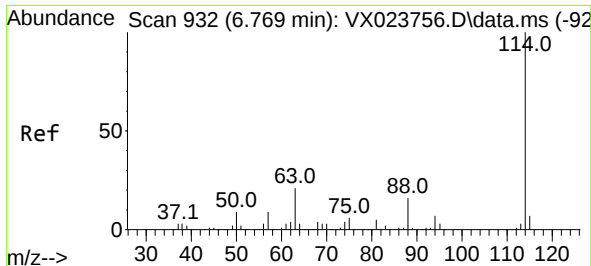
Tgt Ion: 56 Resp: 3115
Ion Ratio Lower Upper
56 100
69 167.4 25.3 37.9#
84 111.8 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.425 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.007 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

Tgt Ion: 65 Resp: 97849
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.4

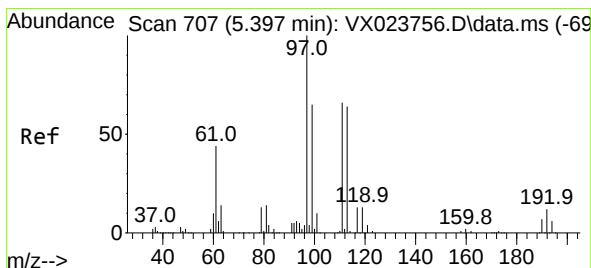
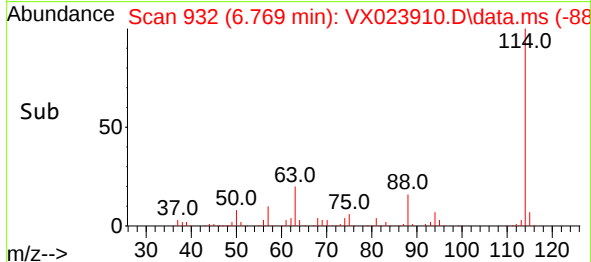
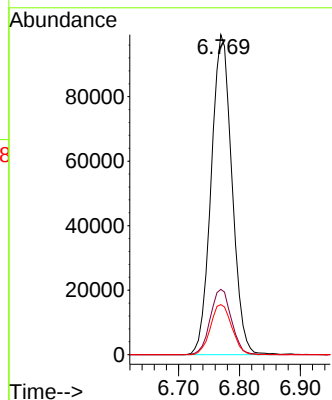
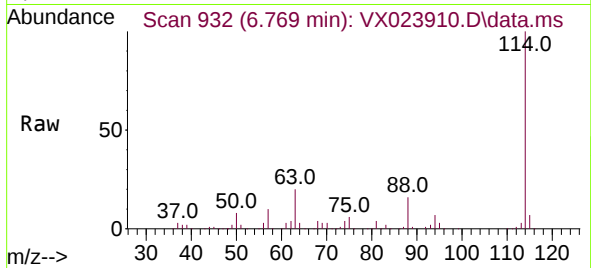




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

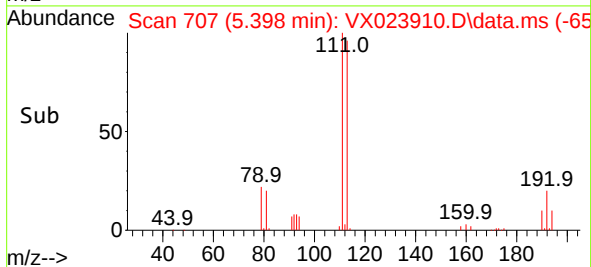
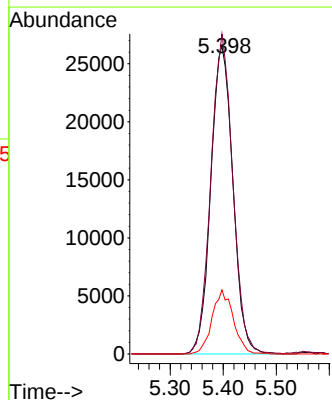
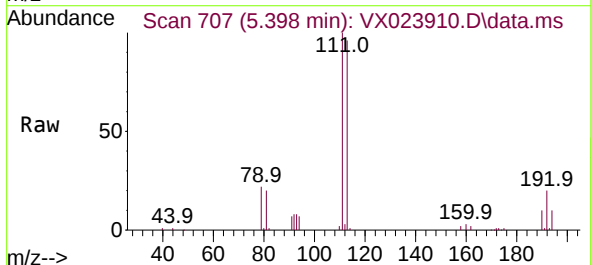
Instrument :
MSVOA_X
ClientSampleId :

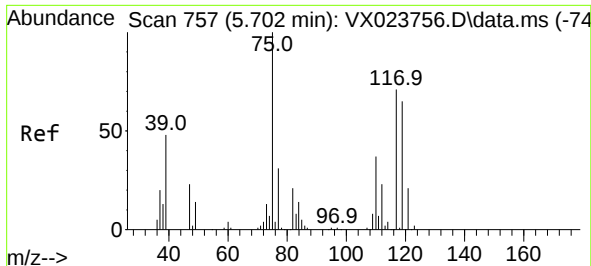
Tgt Ion:114 Resp: 235404
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 15.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.238 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

Tgt Ion:113 Resp: 76716
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 5.568 min Scan# 735

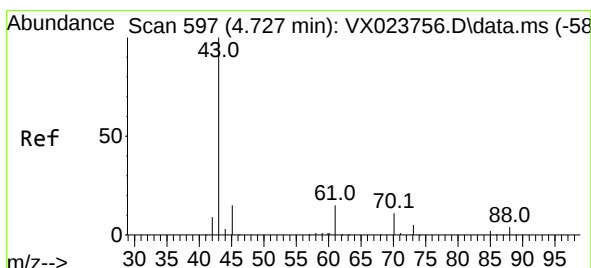
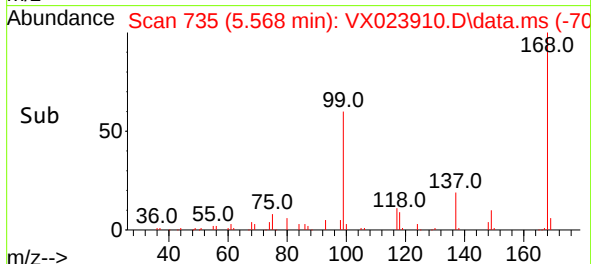
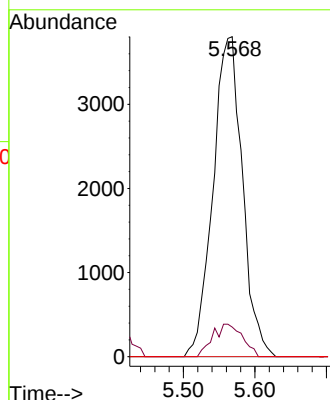
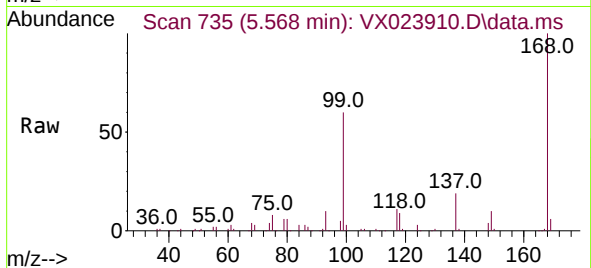
Delta R.T. -0.134 min

Lab File: VX023910.D

Acq: 23 Aug 2021 20:00

Tgt Ion:	75	Resp:	10847
Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :



#37

Ethyl Acetate

Concen: 0.786 ug/l

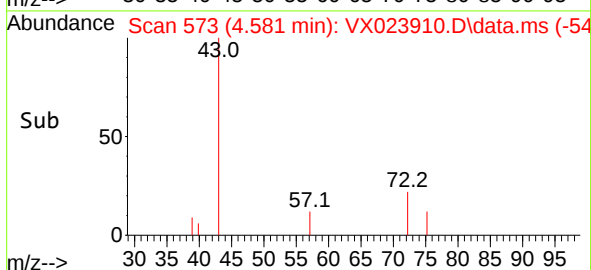
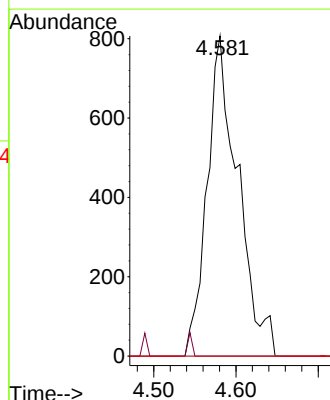
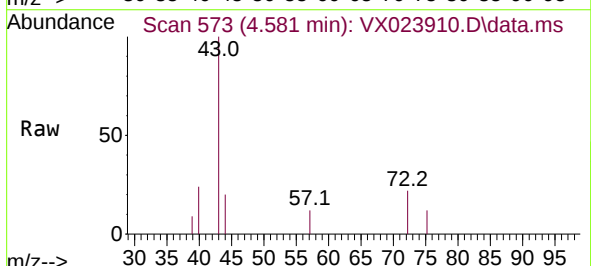
RT: 4.581 min Scan# 573

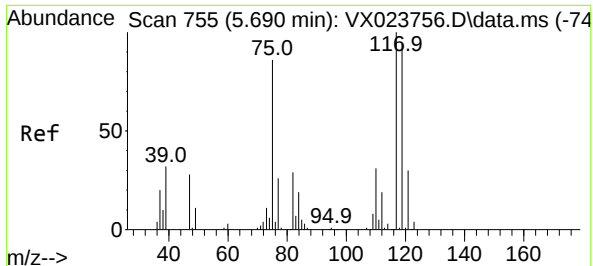
Delta R.T. -0.146 min

Lab File: VX023910.D

Acq: 23 Aug 2021 20:00

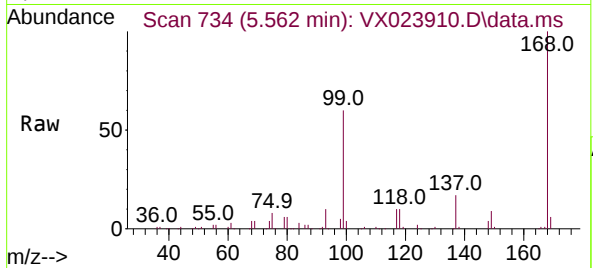
Tgt Ion:	43	Resp:	2105
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



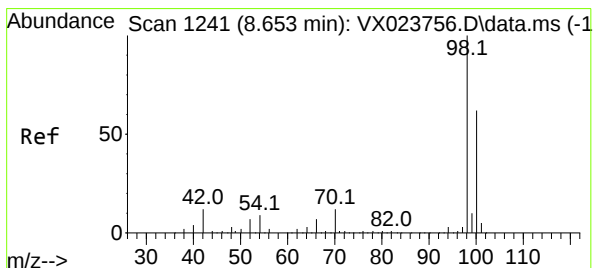
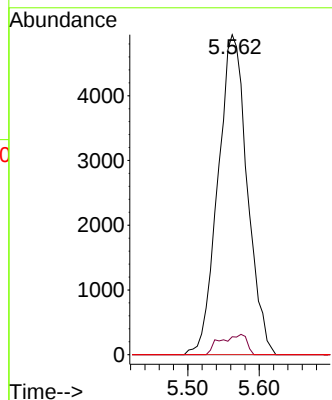
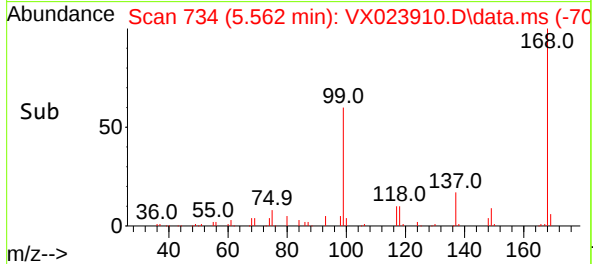


#38
Carbon Tetrachloride
Concen: 6.177 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

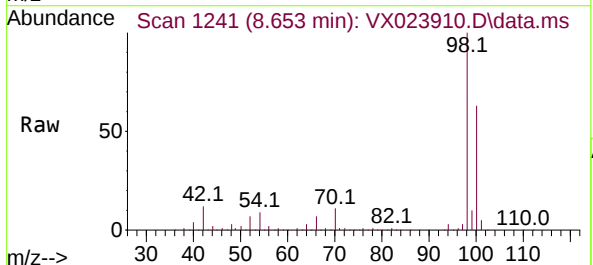
Instrument :
MSVOA_X
ClientSampled :



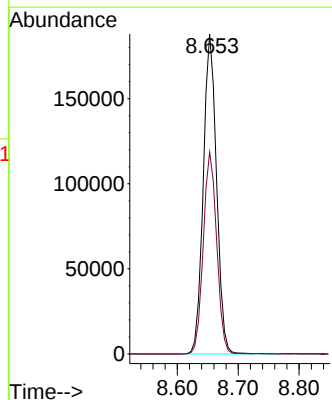
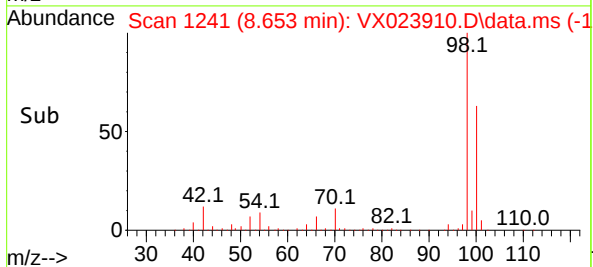
Tgt Ion:117 Resp: 14043
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#

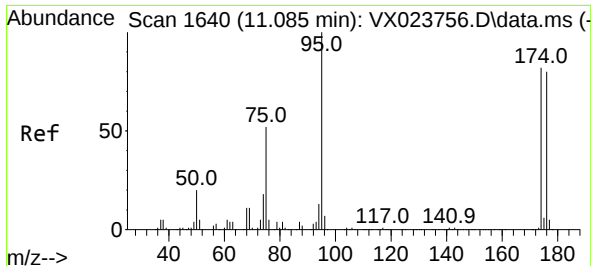


#50
Toluene-d8
Concen: 48.071 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00



Tgt Ion: 98 Resp: 285065
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

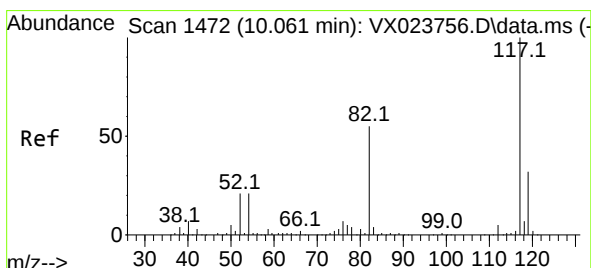
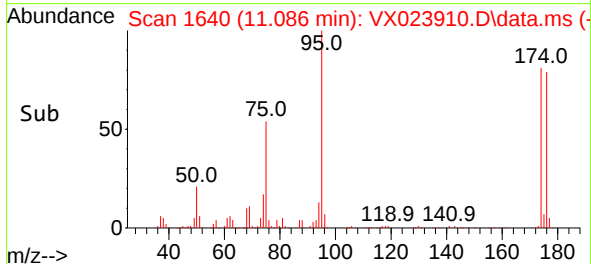
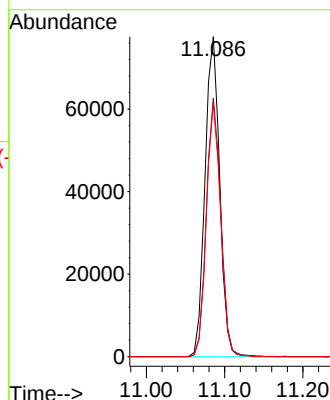
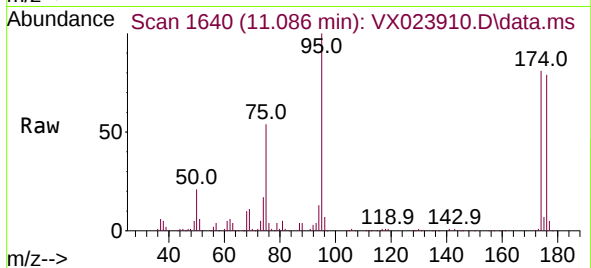




#62
4-Bromofluorobenzene
Concen: 46.061 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

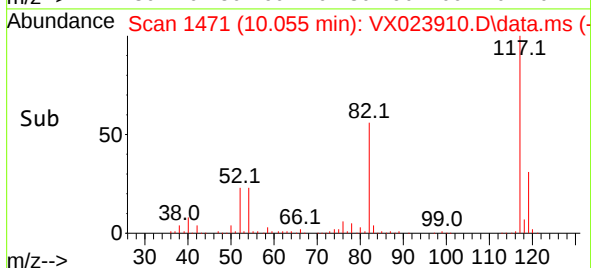
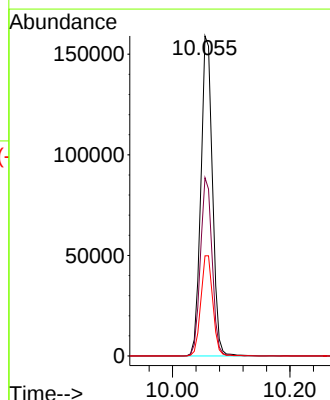
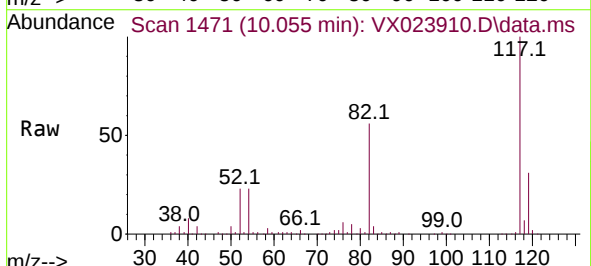
Instrument :
MSVOA_X
ClientSampleId :

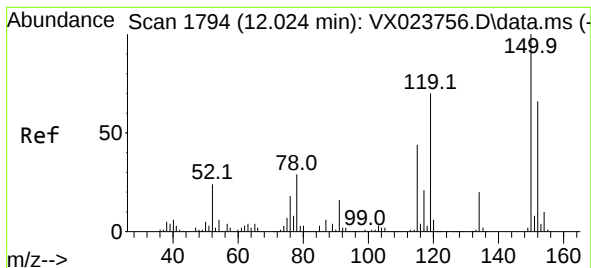
Tgt Ion: 95 Resp: 100554
Ion Ratio Lower Upper
95 100
174 79.7 0.0 154.6
176 77.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

Tgt Ion: 117 Resp: 218106
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 31.3 26.6 39.8

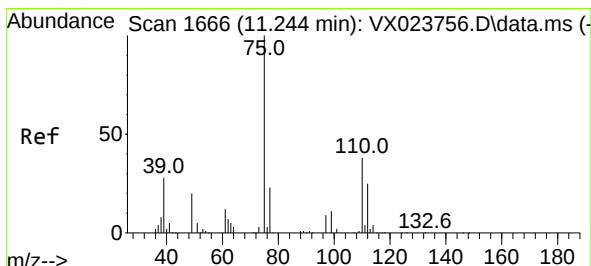
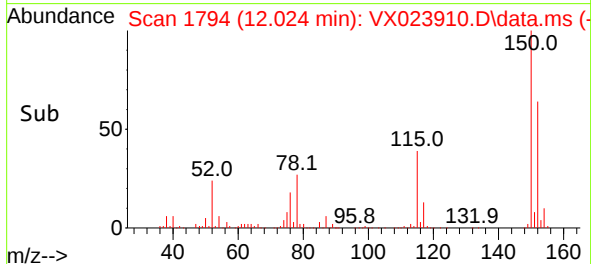
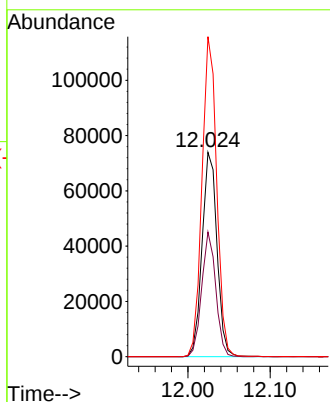
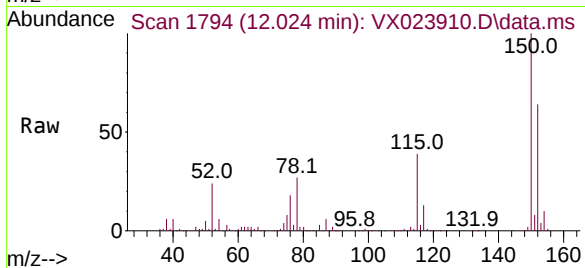




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023910.D
 Acq: 23 Aug 2021 20:00

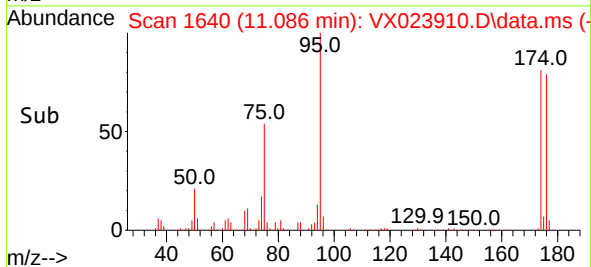
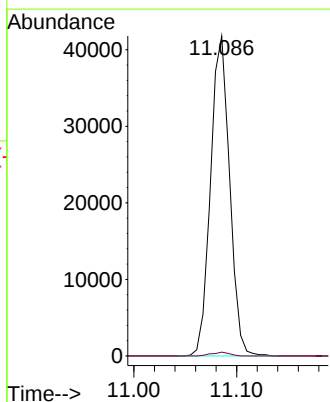
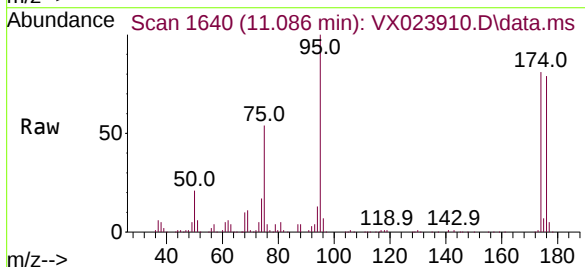
Instrument :
 MSVOA_X
 ClientSampled :

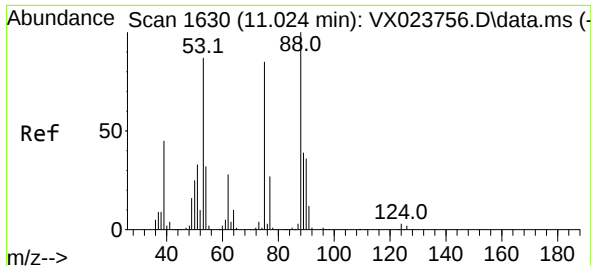
Tgt Ion:152 Resp: 93158
 Ion Ratio Lower Upper
 152 100
 115 57.6 41.1 123.3
 150 154.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.744 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023910.D
 Acq: 23 Aug 2021 20:00

Tgt Ion: 75 Resp: 53773
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

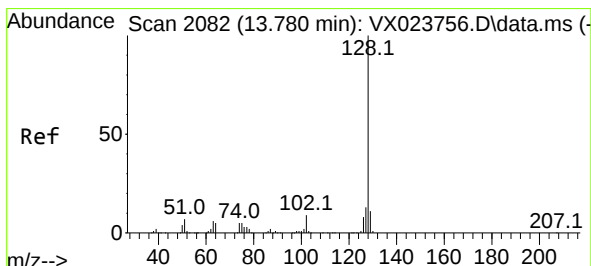
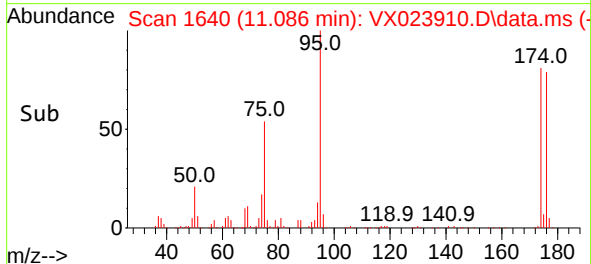
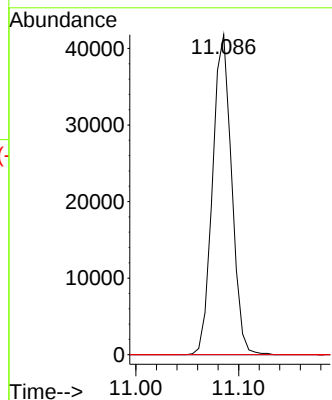
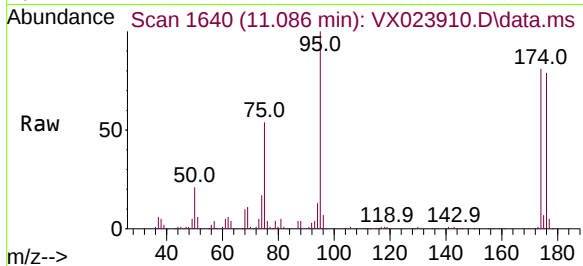




#81
trans-1,4-Dichloro-2-butene
Concen: 72.787 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.062 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 53773
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.337 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023910.D
Acq: 23 Aug 2021 20:00

Tgt Ion: 128 Resp: 380
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

