

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072321\
 Data File : VX023421.D
 Acq On : 23 Jul 2021 13:50
 Operator : JC/MD
 Sample : M3145-15 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 03:44:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

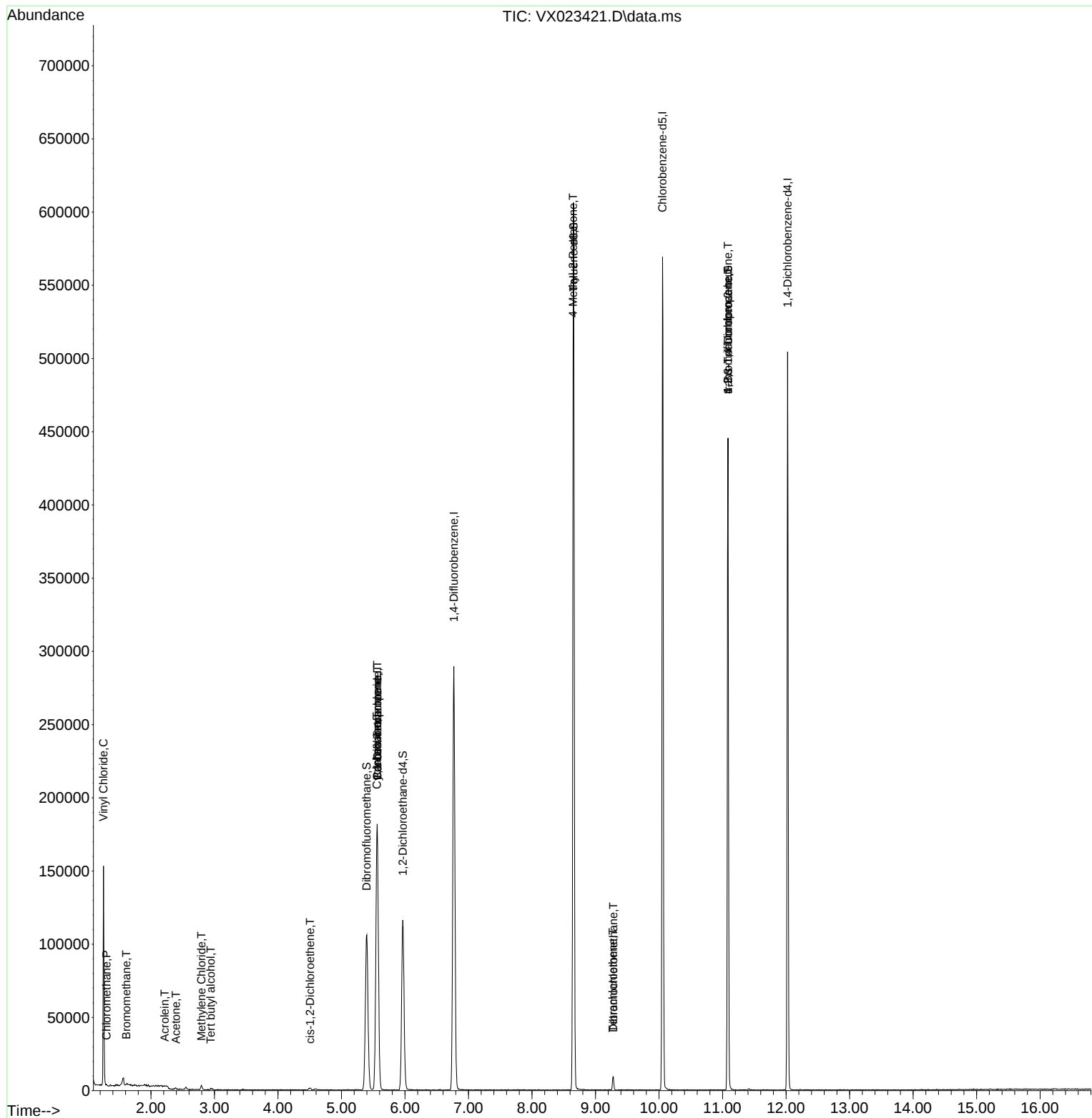
Internal Standards						
1) Pentafluorobenzene	5.562	168	173910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	290895	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	257946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	110862	51.103	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.200%		
35) Dibromofluoromethane	5.397	113	92370	50.786	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.580%		
50) Toluene-d8	8.653	98	348188	52.106	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 104.220%		
62) 4-Bromofluorobenzene	11.085	95	111840	49.220	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 98.440%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	398	0.214	ug/l	91
4) Vinyl Chloride	1.252	62	1248	0.661	ug/l #	61
5) Bromomethane	1.611	94	731	0.653	ug/l #	65
11) Tert butyl alcohol	2.940	59	224	0.452	ug/l #	73
13) Acrolein	2.215	56	33	1.494	ug/l #	1
16) Acetone	2.392	43	1142	1.073	ug/l #	69
20) Methylene Chloride	2.794	84	1345	0.650	ug/l #	90
27) cis-1,2-Dichloroethene	4.507	96	904	0.429	ug/l	90
31) Cyclohexane	5.556	56	3945	1.228	ug/l #	33
36) 1,1-Dichloropropene	5.562	75	12939	4.917	ug/l #	50
38) Carbon Tetrachloride	5.562	117	17430	6.513	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1721	0.547	ug/l #	1
60) Dibromochloromethane	9.281	129	1623	2.702	ug/l #	11
64) Tetrachloroethene	9.275	164	1776	0.865	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	56325	25.719	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56325	69.155	ug/l #	12

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

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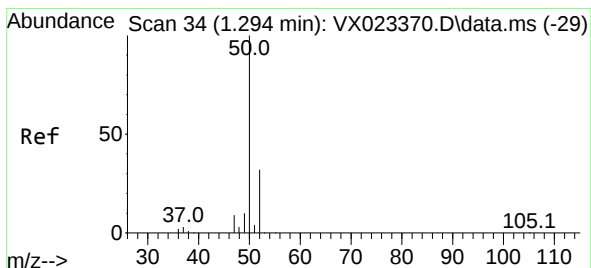
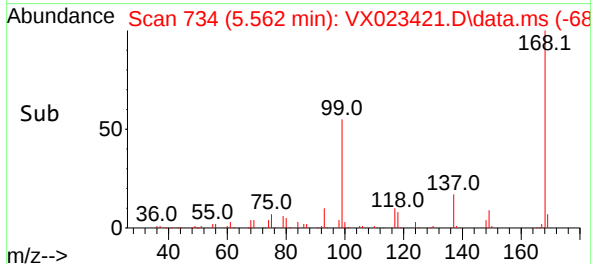
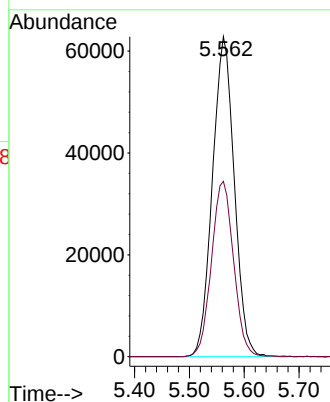
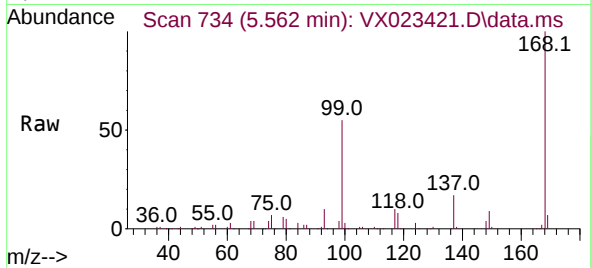




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

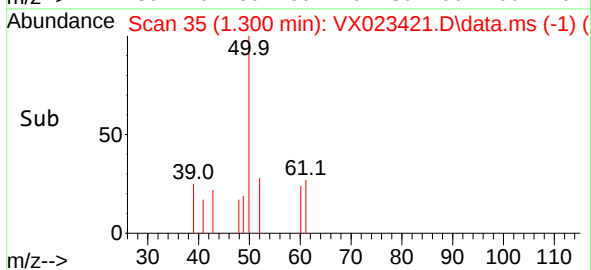
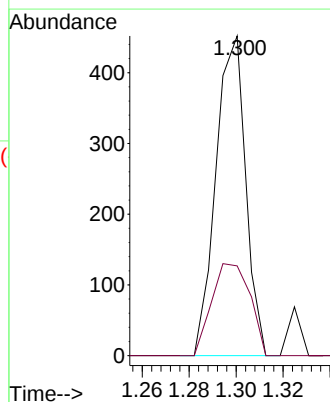
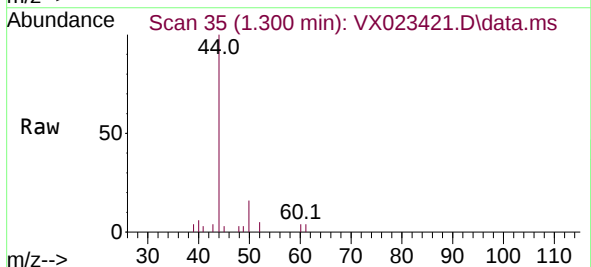
Instrument :
MSVOA_X
ClientSampleId :

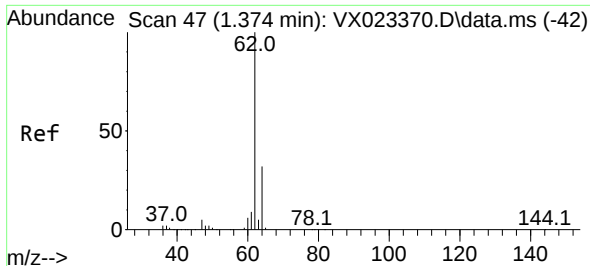
Tgt Ion:168 Resp: 173910
Ion Ratio Lower Upper
168 100
99 54.8 45.8 68.6



#3
Chloromethane
Concen: 0.214 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

Tgt Ion: 50 Resp: 398
Ion Ratio Lower Upper
50 100
52 28.1 26.4 39.6

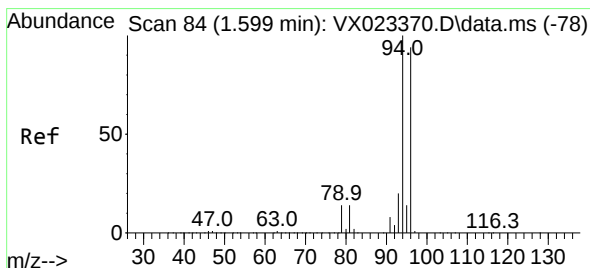
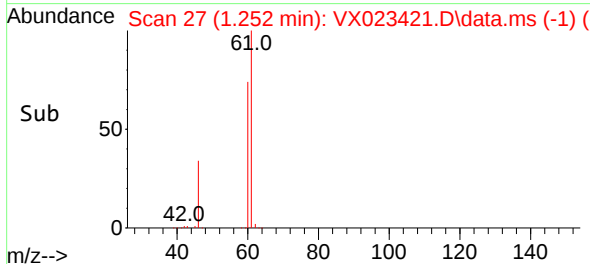
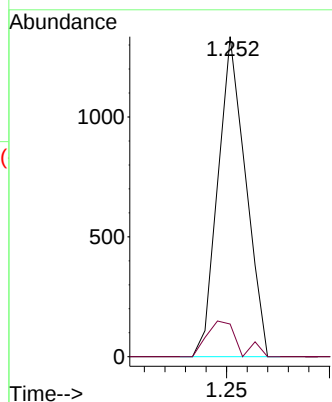
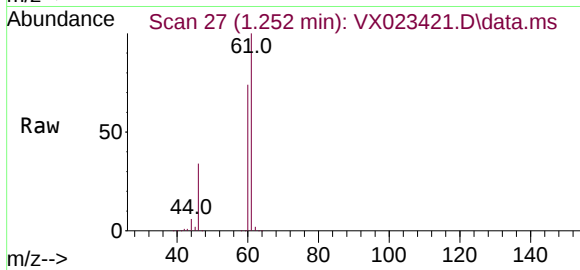




#4
 Vinyl Chloride
 Concen: 0.661 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX023421.D
 Acq: 23 Jul 2021 13:50

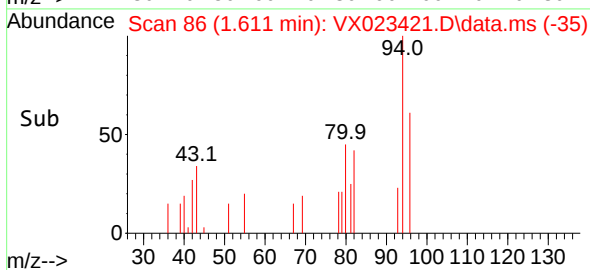
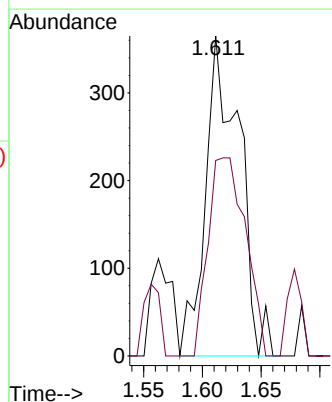
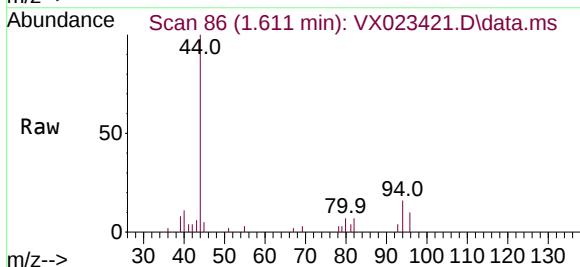
Instrument :
 MSVOA_X
 ClientSampled :

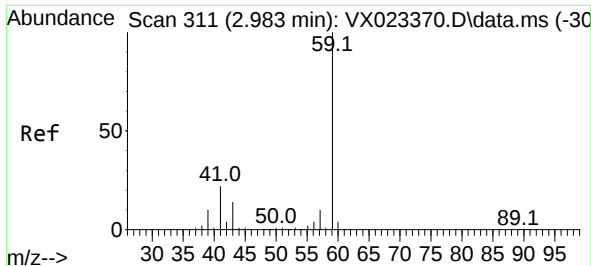
Tgt Ion: 62 Resp: 1248
 Ion Ratio Lower Upper
 62 100
 64 10.2 25.7 38.5#



#5
 Bromomethane
 Concen: 0.653 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX023421.D
 Acq: 23 Jul 2021 13:50

Tgt Ion: 94 Resp: 731
 Ion Ratio Lower Upper
 94 100
 96 61.1 76.4 114.6#



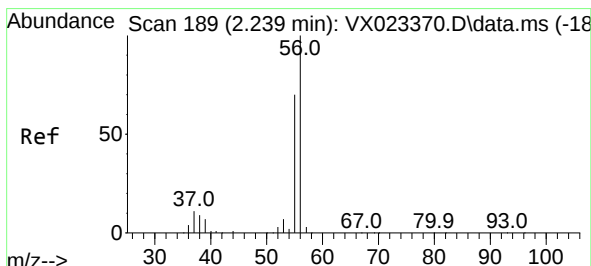
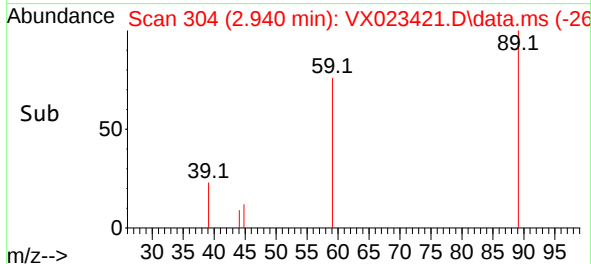
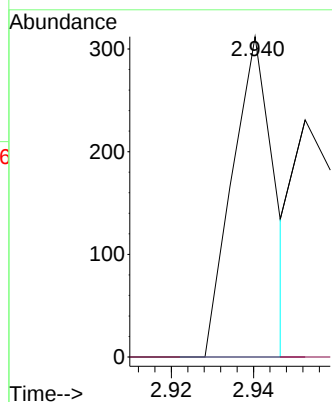
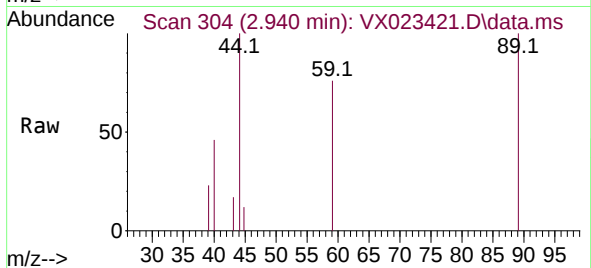


#11

Tert butyl alcohol
Concen: 0.452 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

Instrument :
MSVOA_X
ClientSampled :

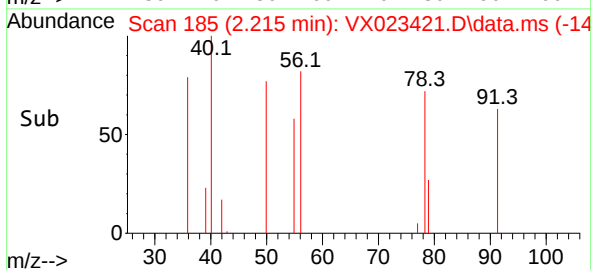
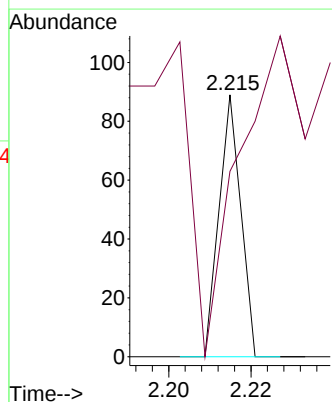
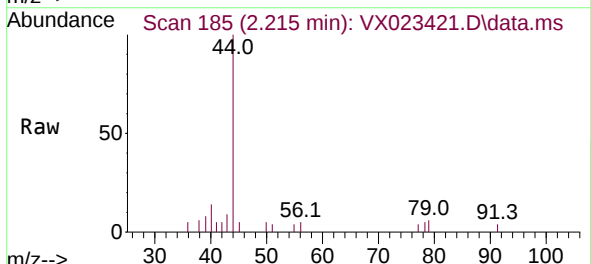
Tgt Ion: 59 Resp: 224
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

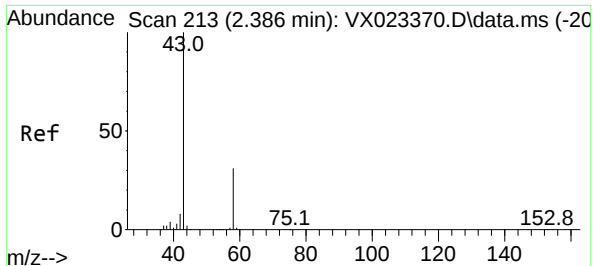


#13

Acrolein
Concen: 1.494 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.024 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

Tgt Ion: 56 Resp: 33
Ion Ratio Lower Upper
56 100
55 321.2 56.4 84.6#

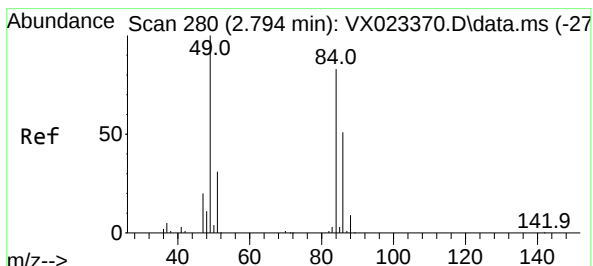
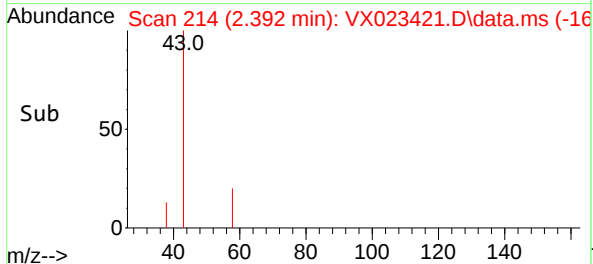
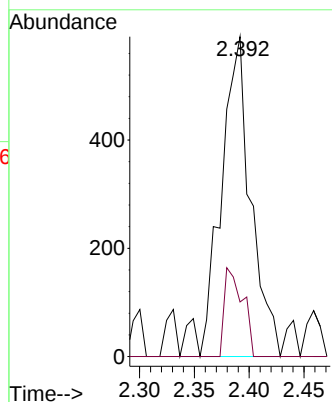
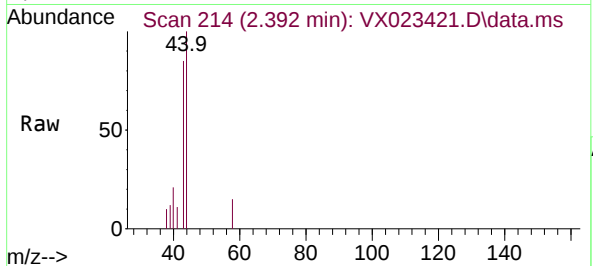




#16
Acetone
Concen: 1.073 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

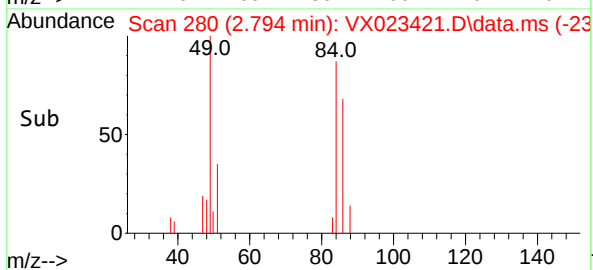
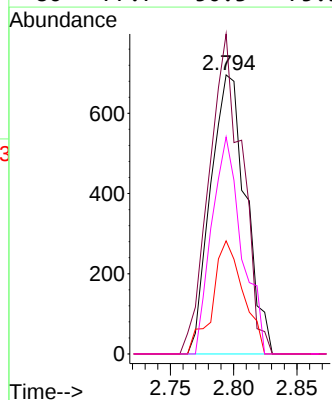
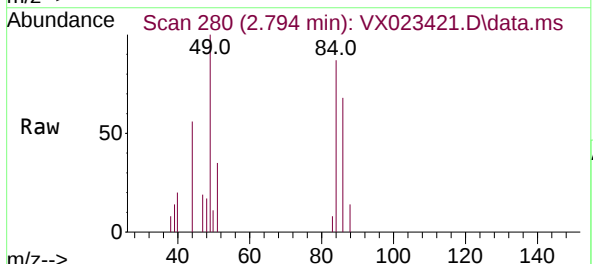
Instrument :
MSVOA_X
ClientSampleId :

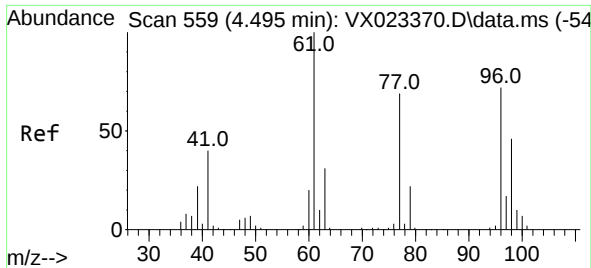
Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 17.1 27.8 41.8#



#20
Methylene Chloride
Concen: 0.650 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

Tgt Ion: 84 Resp: 1345
Ion Ratio Lower Upper
84 100
49 114.7 88.6 132.8
51 40.5 27.0 40.6
86 77.7 50.3 75.5#



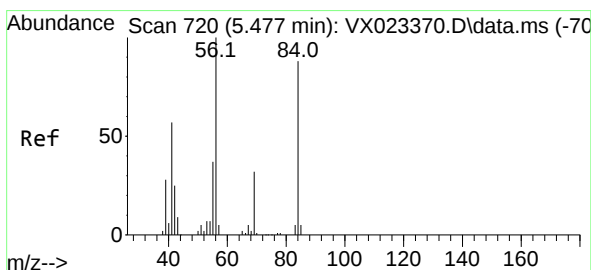
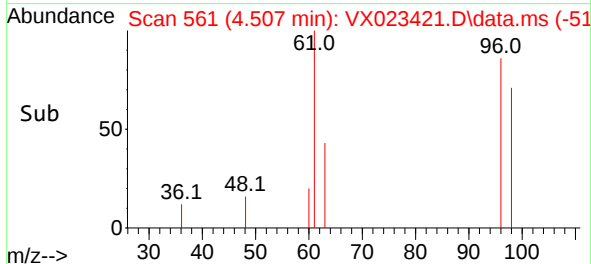
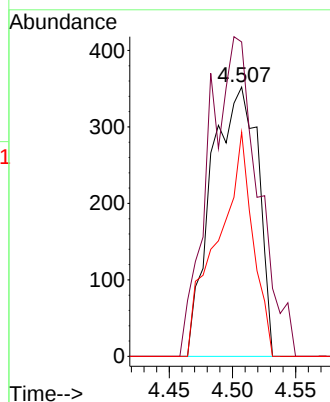
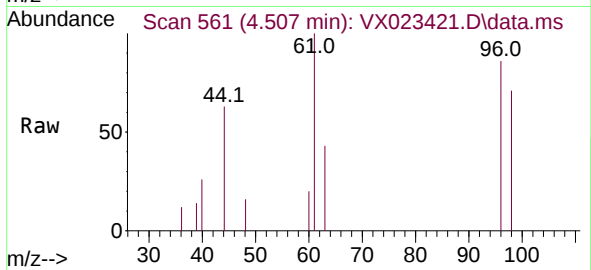


#27
 cis-1,2-Dichloroethene
 Concen: 0.429 ug/l
 RT: 4.507 min Scan# 561
 Delta R.T. 0.012 min
 Lab File: VX023421.D
 Acq: 23 Jul 2021 13:50

Instrument :
 MSVOA_X
 ClientSampled :

Tgt Ion: 96 Resp: 904

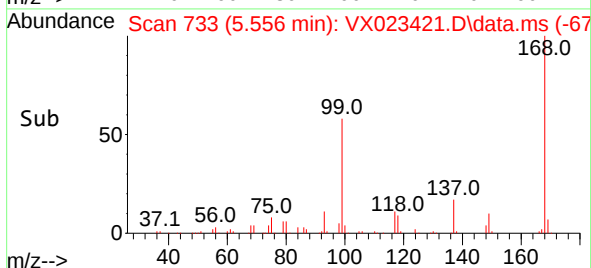
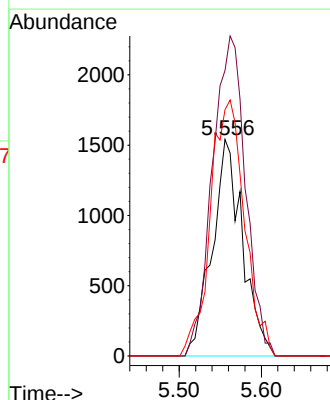
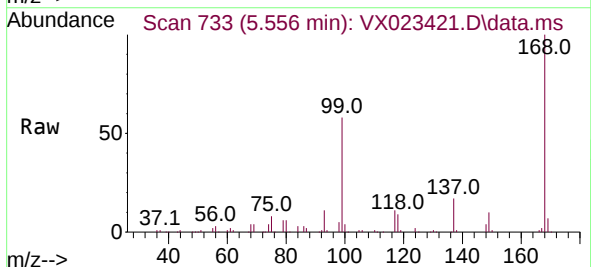
Ion	Ratio	Lower	Upper
96	100		
61	125.6	0.0	285.6
98	62.7	0.0	129.6

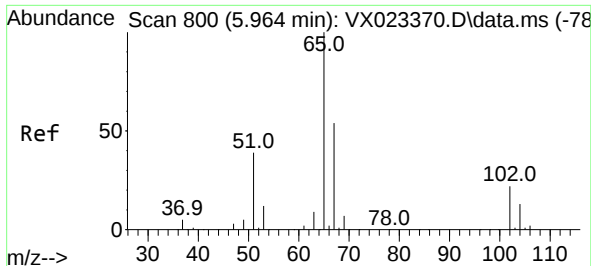


#31
 Cyclohexane
 Concen: 1.228 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. 0.079 min
 Lab File: VX023421.D
 Acq: 23 Jul 2021 13:50

Tgt Ion: 56 Resp: 3945

Ion	Ratio	Lower	Upper
56	100		
69	131.9	25.3	37.9#
84	113.8	71.4	107.0#

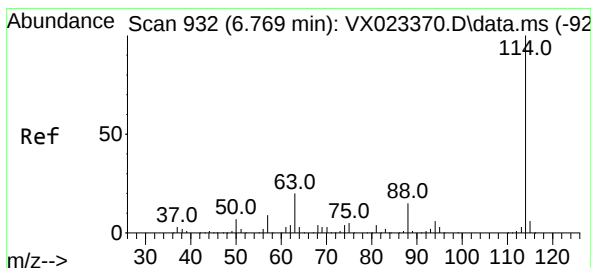
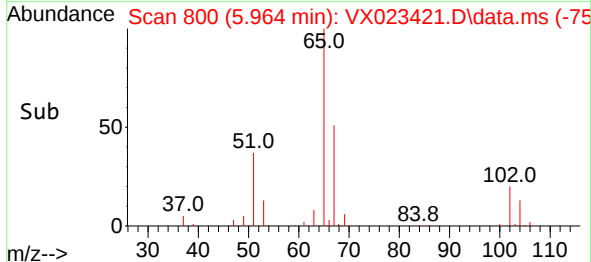
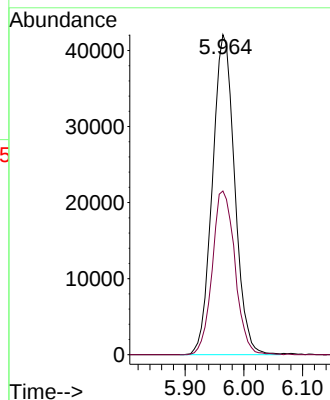
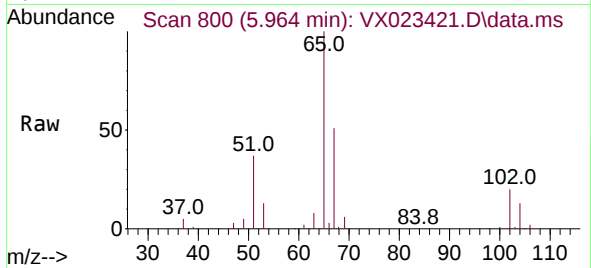




#33
 1,2-Dichloroethane-d4
 Concen: 51.103 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023421.D
 Acq: 23 Jul 2021 13:50

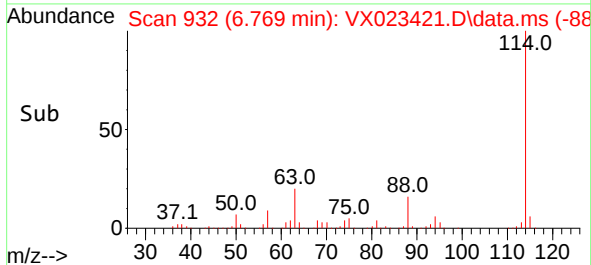
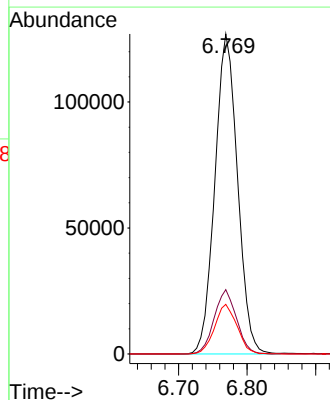
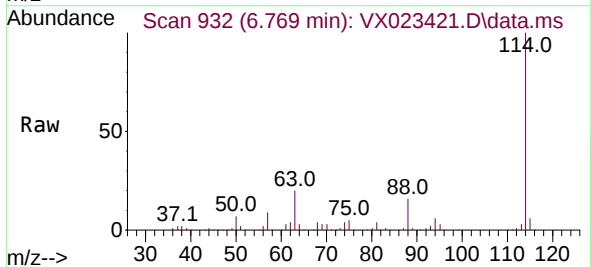
Instrument :
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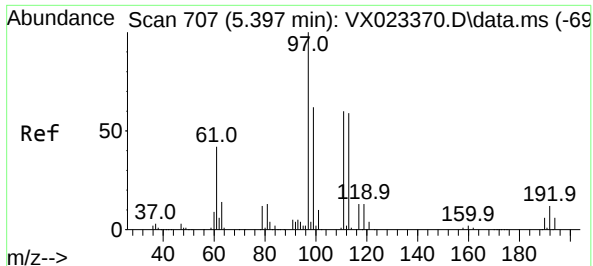
Tgt Ion: 65 Resp: 110862
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX023421.D
 Acq: 23 Jul 2021 13:50

Tgt Ion: 114 Resp: 290895
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 15.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.786 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023421.D

Acq: 23 Jul 2021 13:50

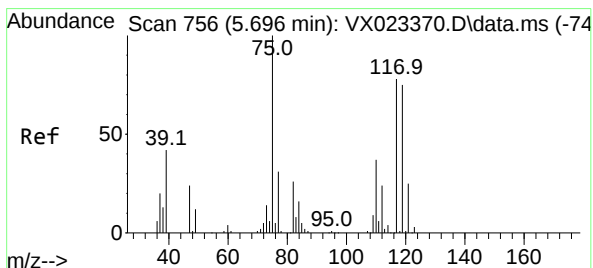
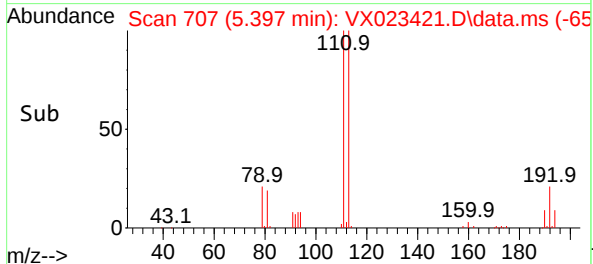
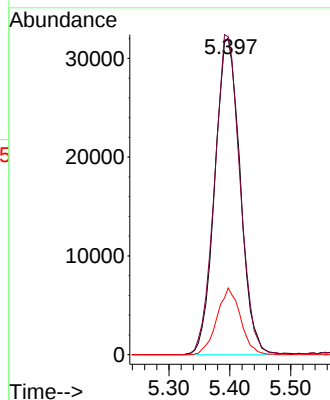
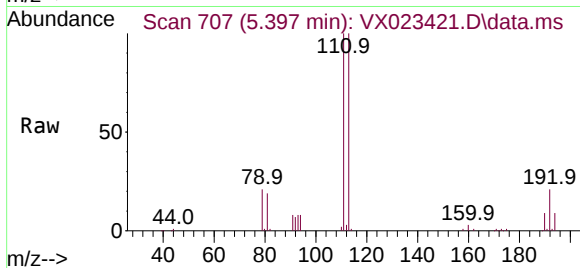
Tgt Ion:113 Resp: 92370

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

192 19.7 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.917 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023421.D

Acq: 23 Jul 2021 13:50

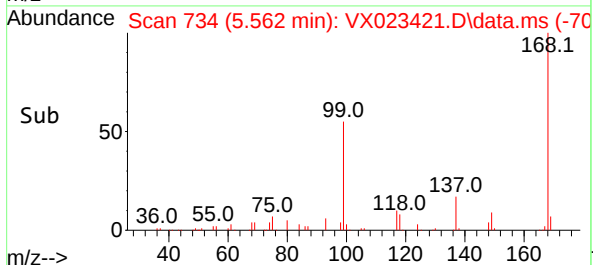
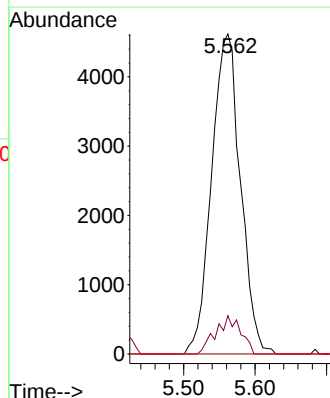
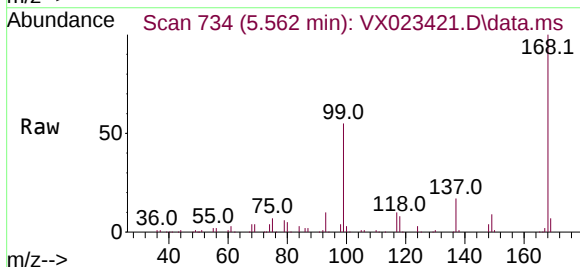
Tgt Ion: 75 Resp: 12939

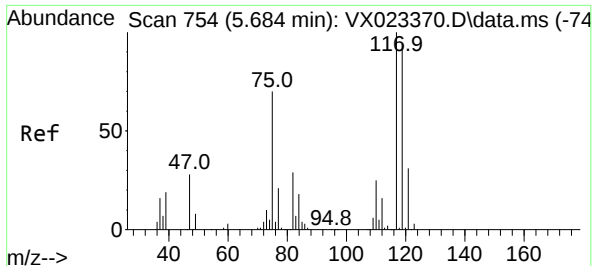
Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.4#

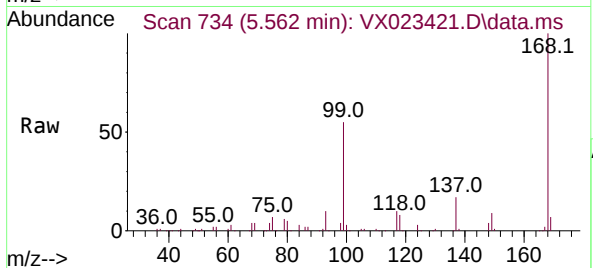
77 0.0 25.3 37.9#



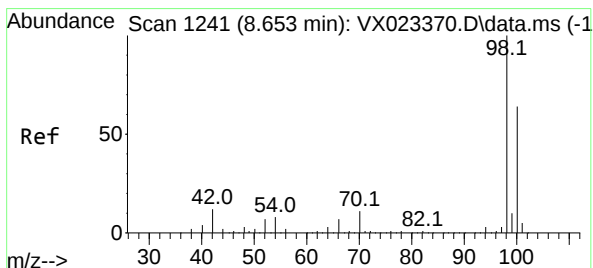
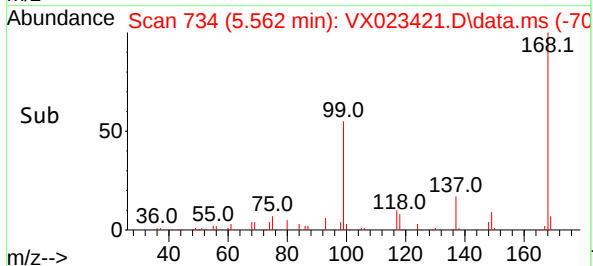
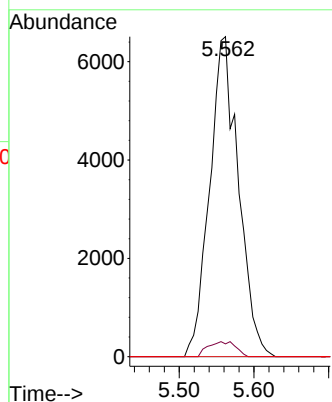


#38
Carbon Tetrachloride
Concen: 6.513 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

Instrument :
MSVOA_X
ClientSampleId :

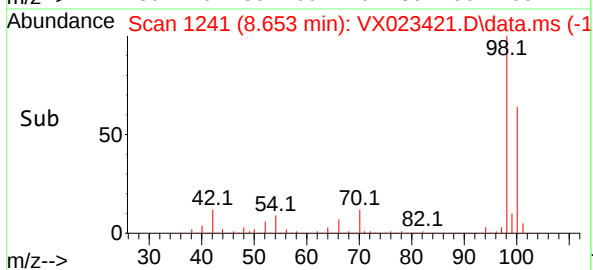
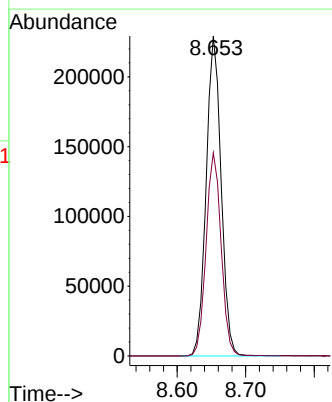
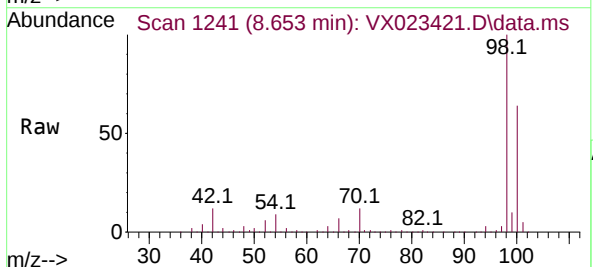


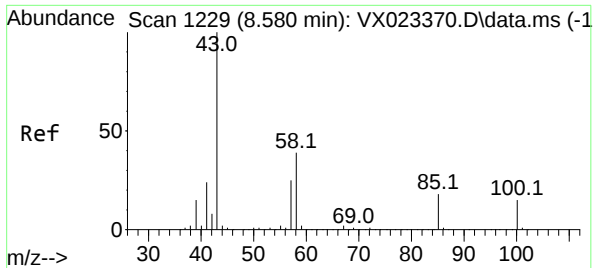
Tgt Ion:117 Resp: 17430
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.106 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

Tgt Ion: 98 Resp: 348188
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

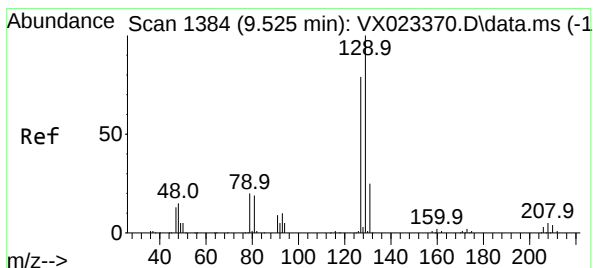
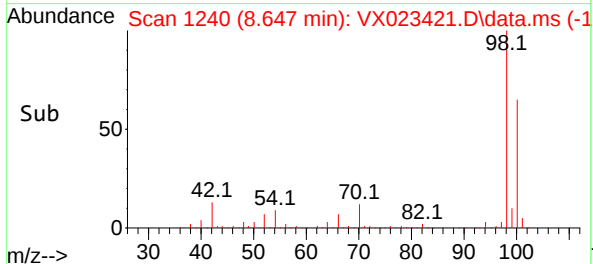
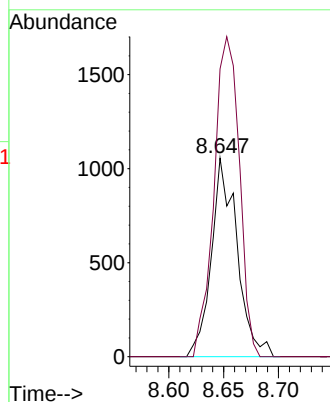
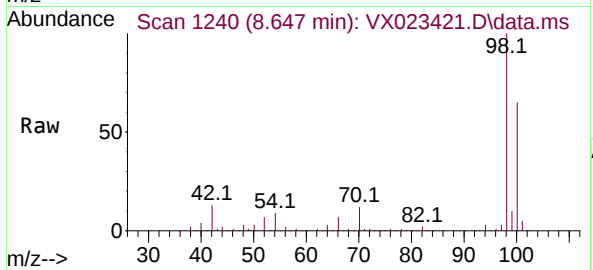




#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

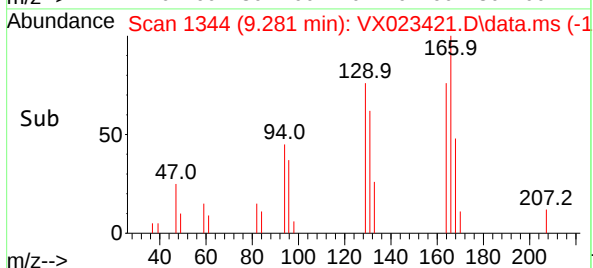
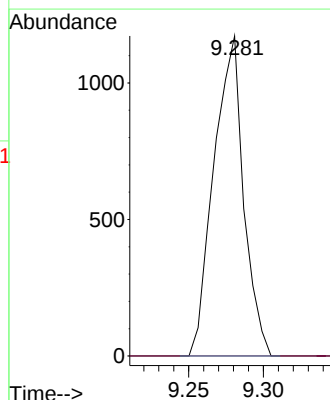
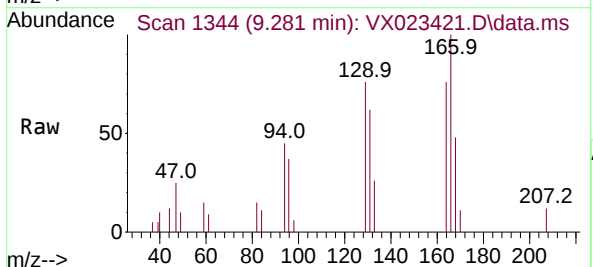
Instrument :
MSVOA_X
ClientSampled :

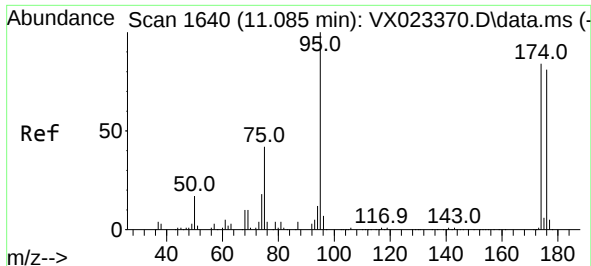
Tgt Ion: 43 Resp: 1721
Ion Ratio Lower Upper
43 100
58 159.3 35.4 53.0#



#60
Dibromochloromethane
Concen: 2.702 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

Tgt Ion: 129 Resp: 1623
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

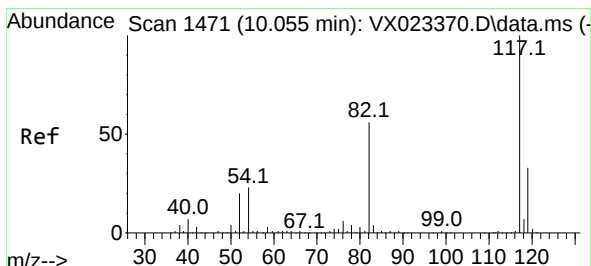
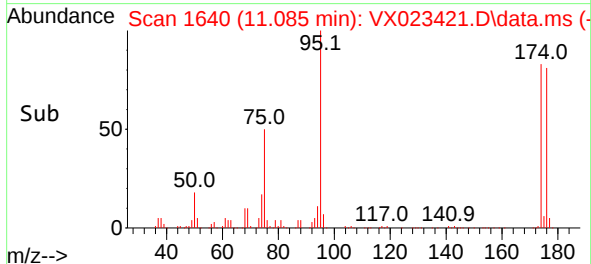
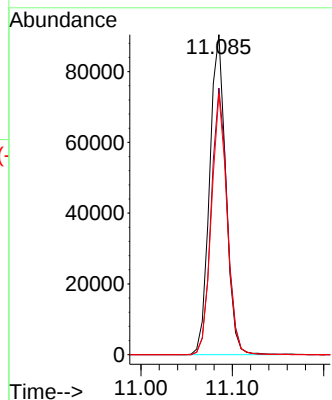
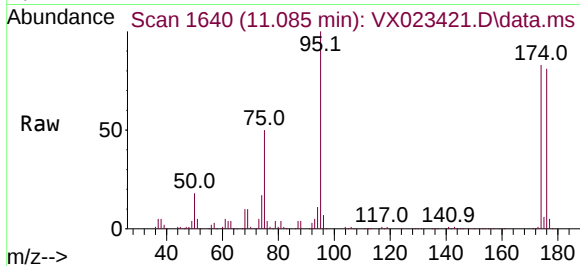




#62
4-Bromofluorobenzene
Concen: 49.220 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

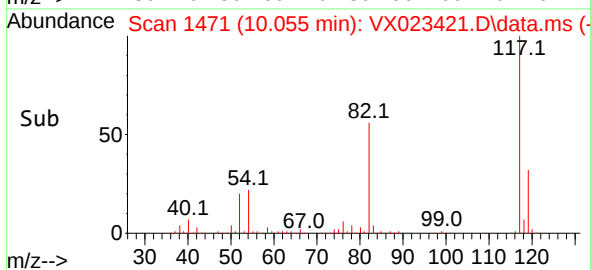
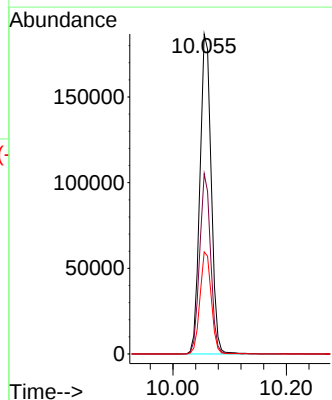
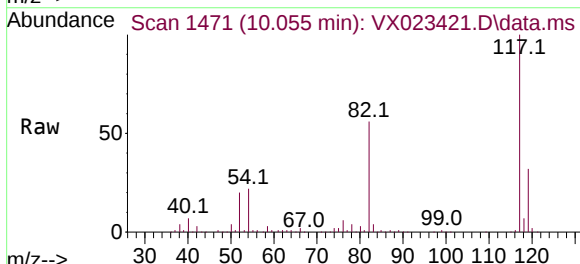
Instrument :
MSVOA_X
ClientSampleId :

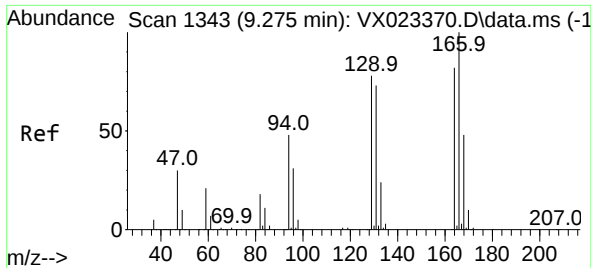
Tgt Ion: 95 Resp: 111840
Ion Ratio Lower Upper
95 100
174 82.3 0.0 154.6
176 78.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

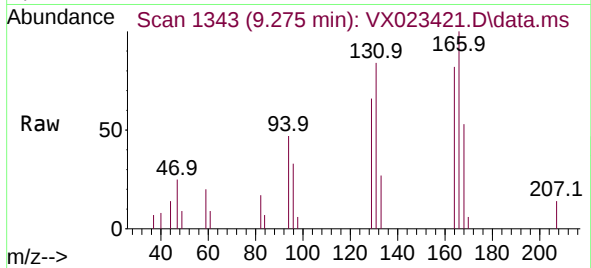
Tgt Ion: 117 Resp: 257946
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 31.9 26.6 39.8



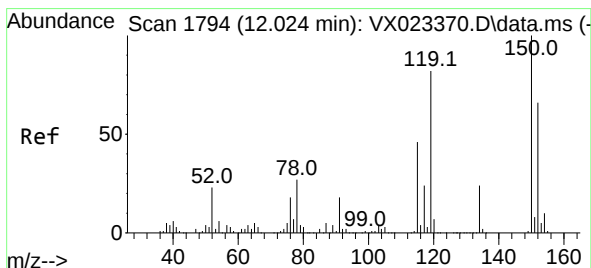
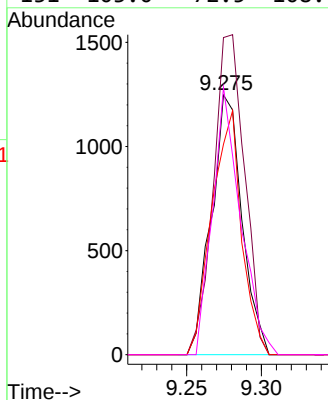
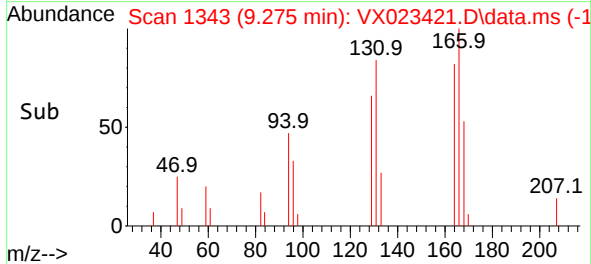


#64
Tetrachloroethene
Concen: 0.865 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

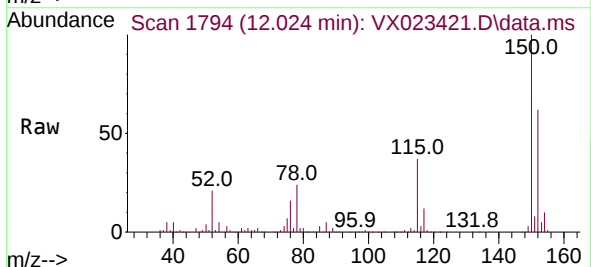
Instrument :
MSVOA_X
ClientSampled :



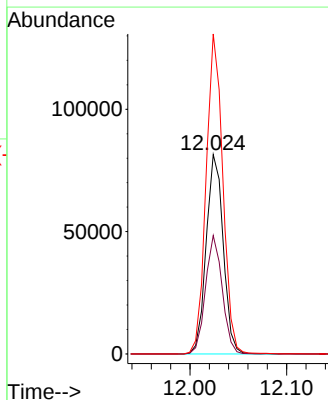
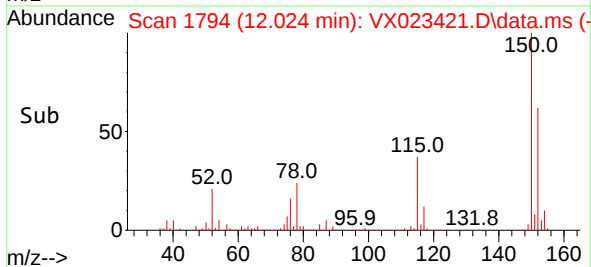
Tgt Ion:	164	Resp:	1776
Ion	Ratio	Lower	Upper
164	100		
166	122.1	103.4	155.2
129	81.1	70.8	106.2
131	103.0	72.5	108.7

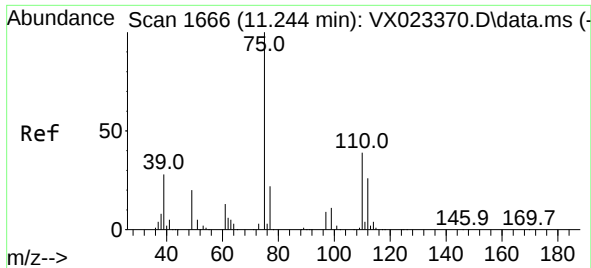


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50



Tgt Ion:	152	Resp:	99520
Ion	Ratio	Lower	Upper
152	100		
115	58.4	41.1	123.3
150	157.4	0.0	349.0

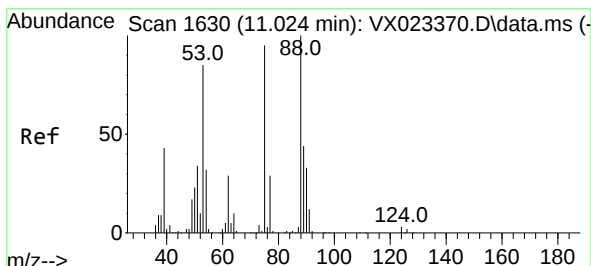
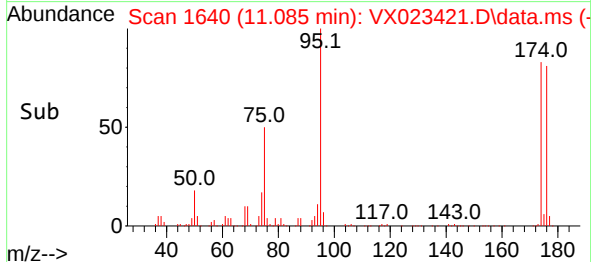
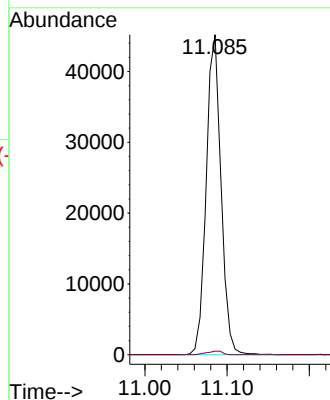
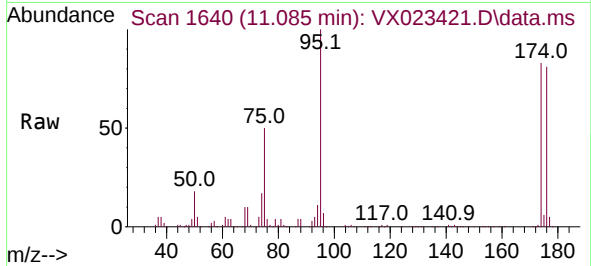




#76
1,2,3-Trichloropropane
Concen: 25.719 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 56325
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.155 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023421.D
Acq: 23 Jul 2021 13:50

Tgt Ion: 75 Resp: 56325
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

