

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072321\
 Data File : VX023420.D
 Acq On : 23 Jul 2021 13:03
 Operator : JC/MD
 Sample : M3145-09 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 03:44:32 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)

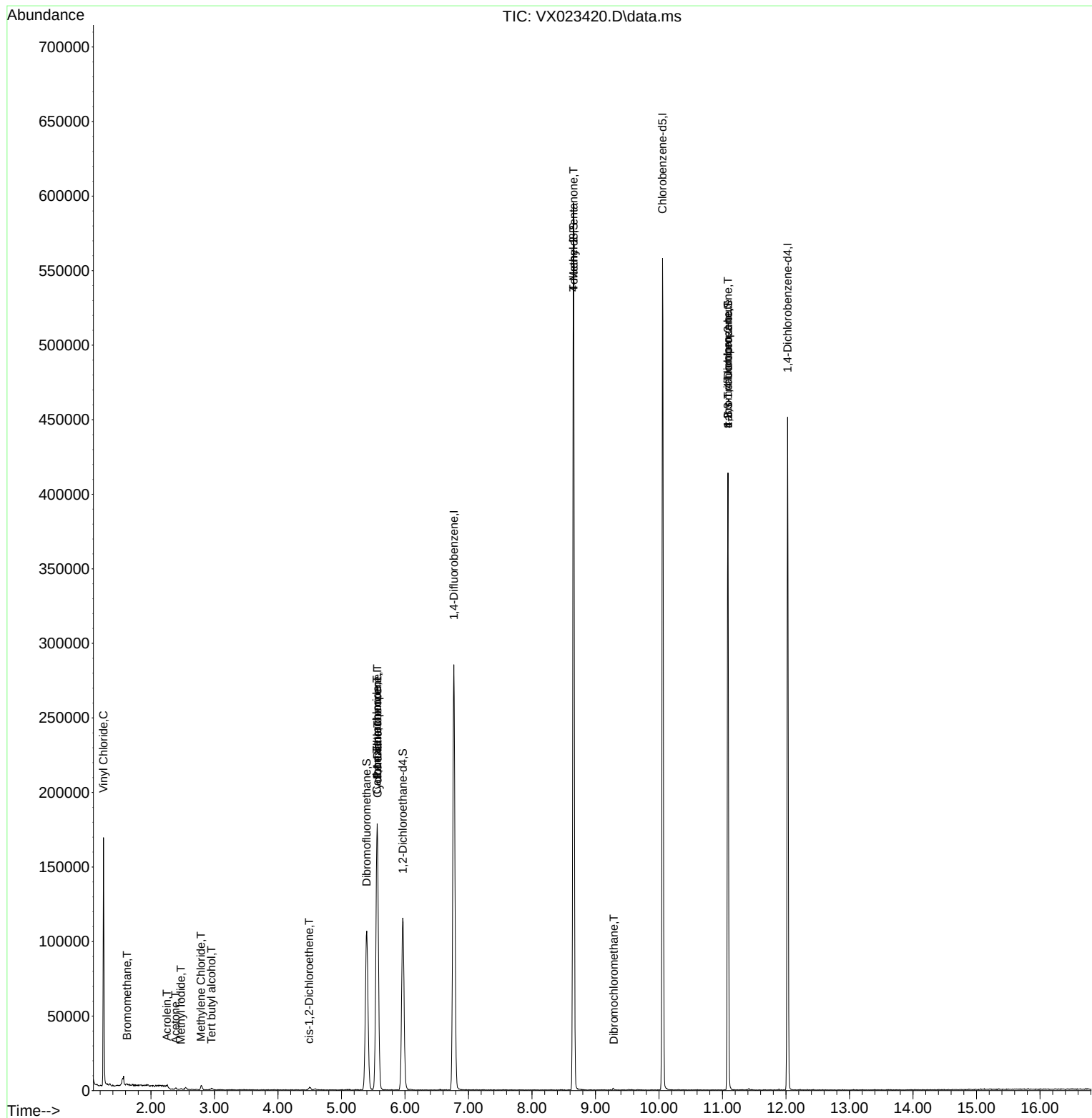
Internal Standards						
1) Pentafluorobenzene	5.562	168	171254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	290608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	112664	52.739	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.480%			
35) Dibromofluoromethane	5.397	113	92446	50.878	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.760%			
50) Toluene-d8	8.653	98	342986	51.378	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.760%			
62) 4-Bromofluorobenzene	11.085	95	105444	46.451	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.900%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.252	62	1266	0.681	ug/l #	52
5) Bromomethane	1.624	94	703	0.637	ug/l #	63
10) Methyl Iodide	2.471	142	598	0.281	ug/l #	74
11) Tert butyl alcohol	2.953	59	688	1.410	ug/l #	73
13) Acrolein	2.252	56	44	1.540	ug/l #	1
16) Acetone	2.386	43	1140	1.088	ug/l #	77
20) Methylene Chloride	2.788	84	1348	0.661	ug/l	91
27) cis-1,2-Dichloroethene	4.489	96	1323	0.637	ug/l #	19
31) Cyclohexane	5.568	56	3728	1.178	ug/l #	39
36) 1,1-Dichloropropene	5.562	75	12624	4.802	ug/l #	50
38) Carbon Tetrachloride	5.556	117	17182	6.427	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1730	0.551	ug/l #	1
60) Dibromochloromethane	9.287	129	178	2.062	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	52838	25.834	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	52838	69.465	ug/l #	12

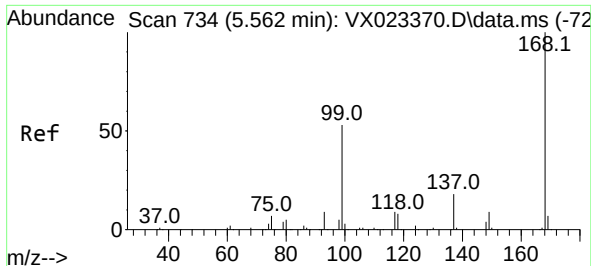
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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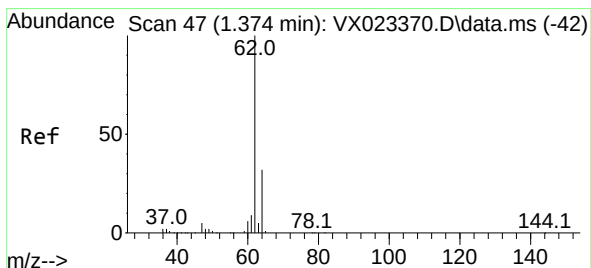
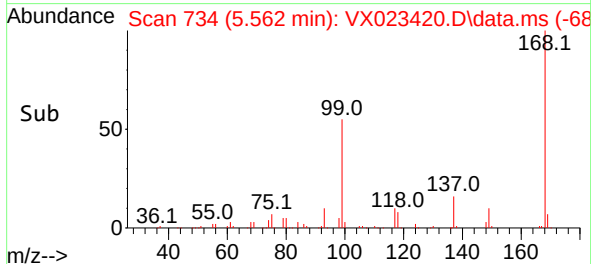
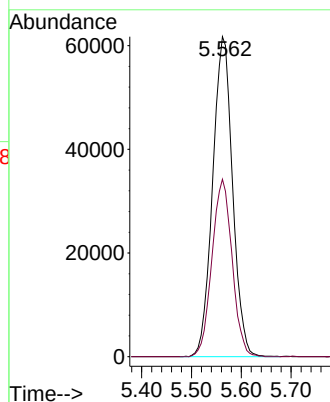
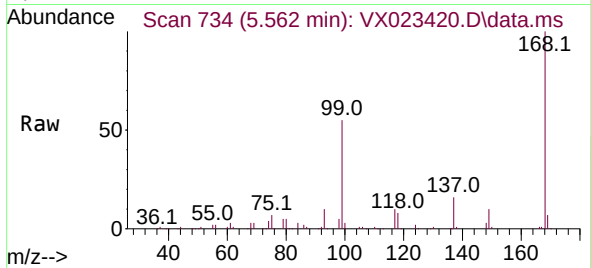




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

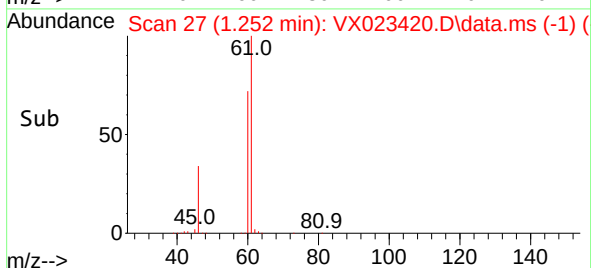
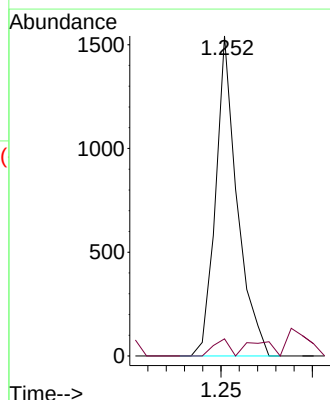
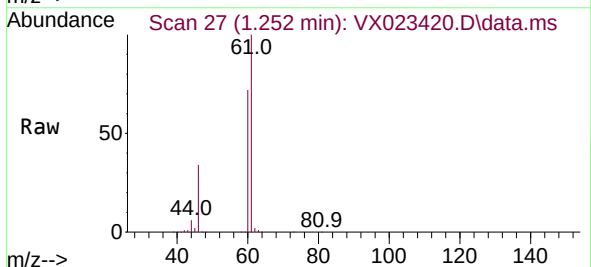
Instrument :
MSVOA_X
ClientSampleId :

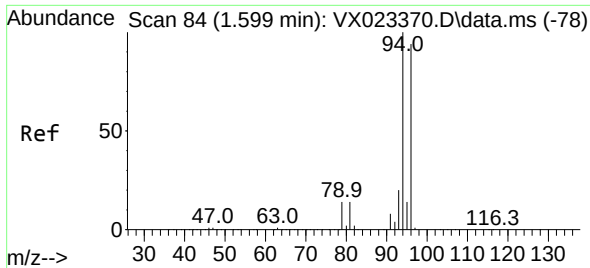
Tgt Ion:168 Resp: 171254
Ion Ratio Lower Upper
168 100
99 55.4 45.8 68.6



#4
Vinyl Chloride
Concen: 0.681 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.122 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

Tgt Ion: 62 Resp: 1266
Ion Ratio Lower Upper
62 100
64 5.4 25.7 38.5#

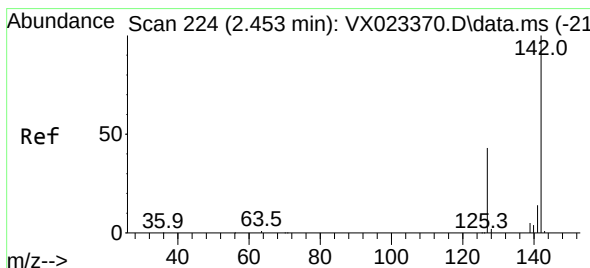
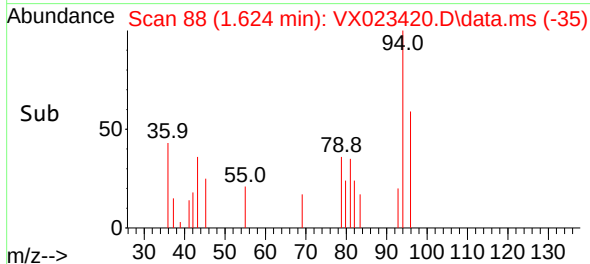
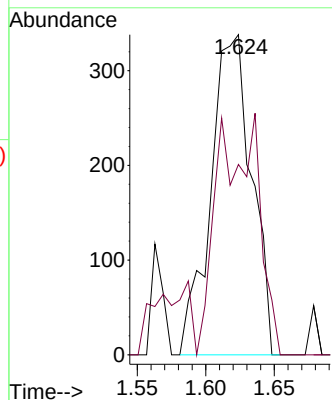
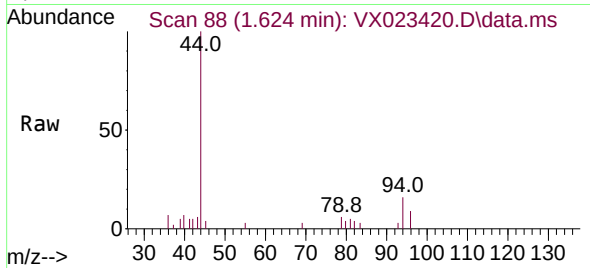




#5
Bromomethane
Concen: 0.637 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

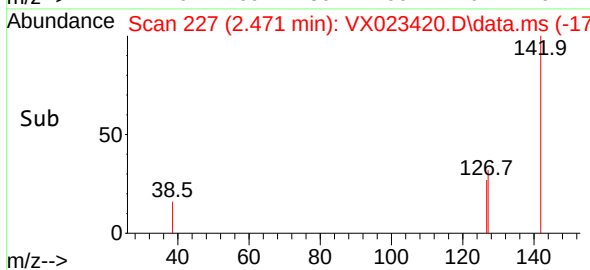
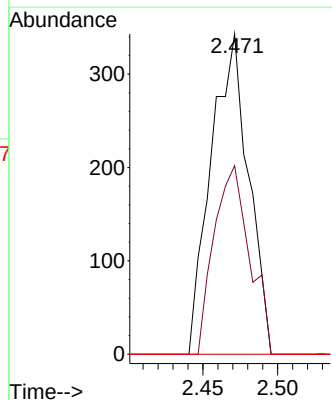
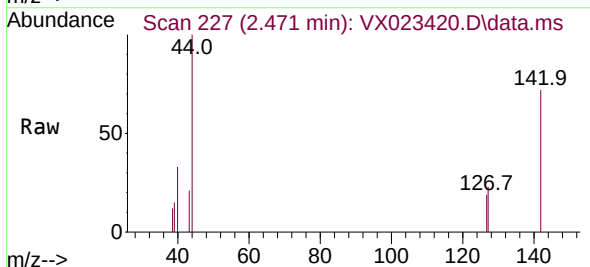
Instrument :
MSVOA_X
ClientSampled :

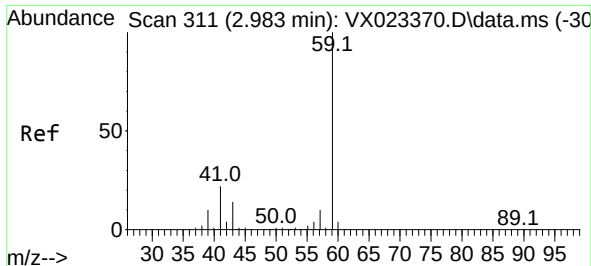
Tgt Ion: 94 Resp: 703
Ion Ratio Lower Upper
94 100
96 59.5 76.4 114.6#



#10
Methyl Iodide
Concen: 0.281 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

Tgt Ion:142 Resp: 598
Ion Ratio Lower Upper
142 100
127 55.9 33.3 49.9#
141 0.0 11.4 17.0#



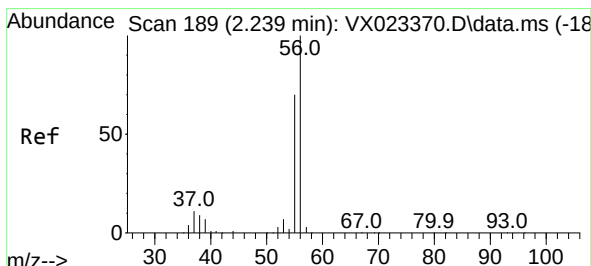
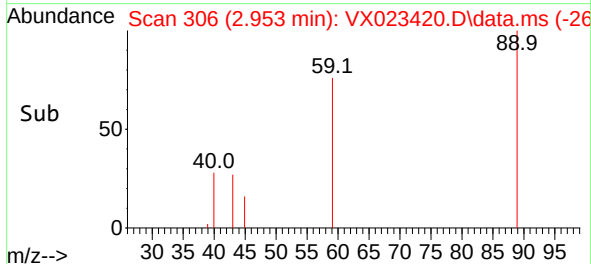
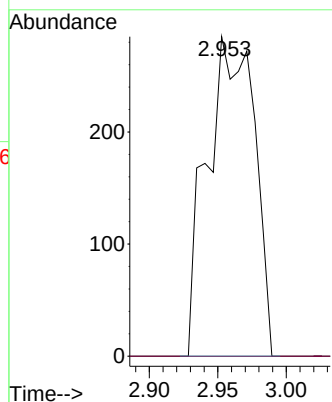
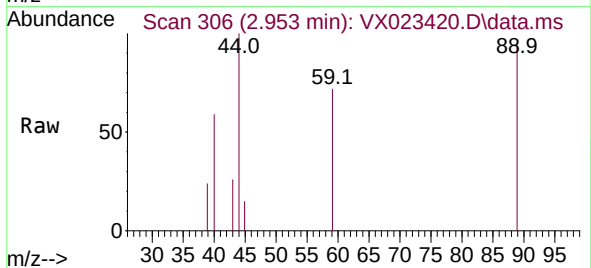


#11

Tert butyl alcohol
Concen: 1.410 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

Instrument :
MSVOA_X
ClientSampled :

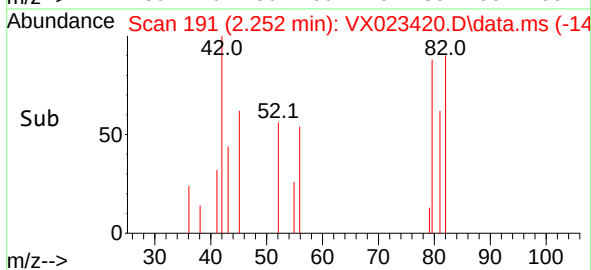
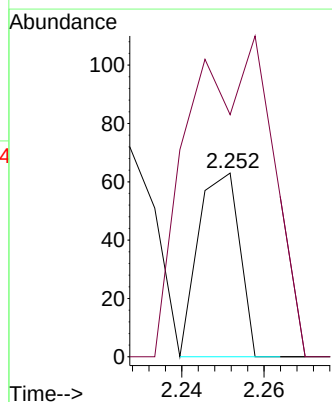
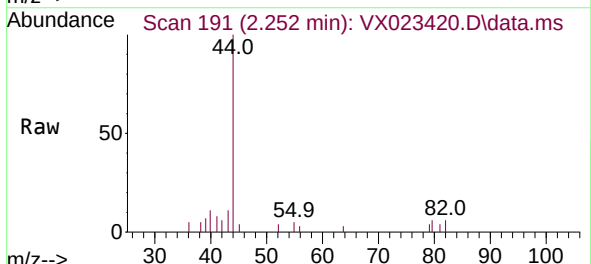
Tgt Ion: 59 Resp: 688
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

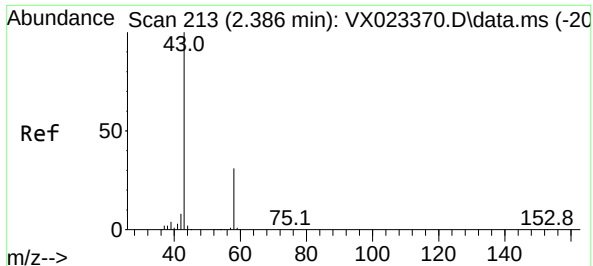


#13

Acrolein
Concen: 1.540 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 350.0 56.4 84.6#

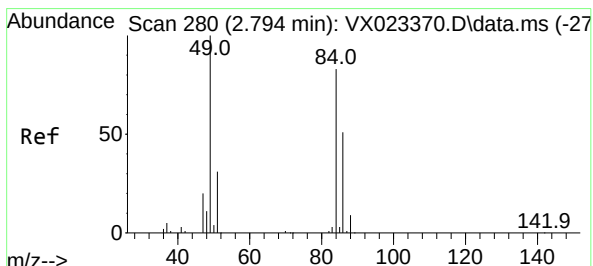
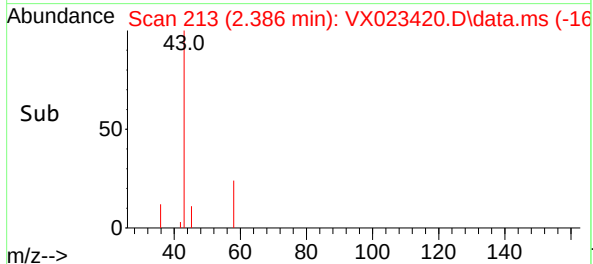
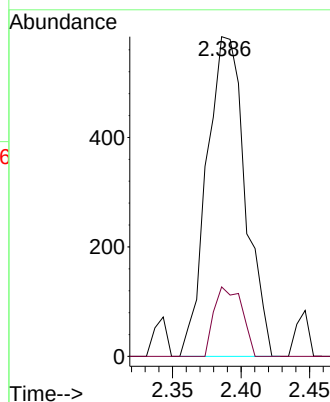
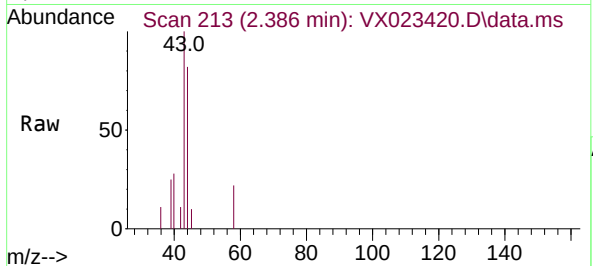




#16
Acetone
Concen: 1.088 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

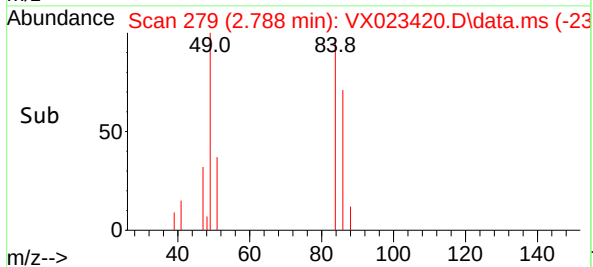
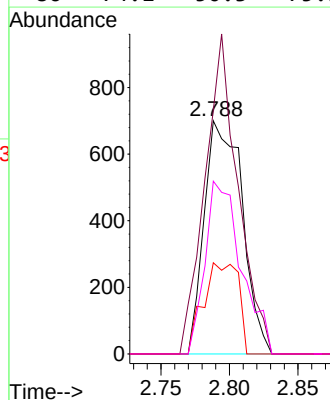
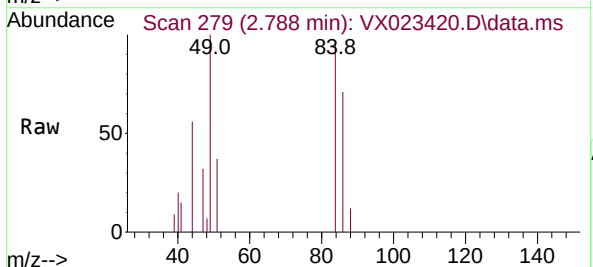
Instrument :
MSVOA_X
ClientSampled :

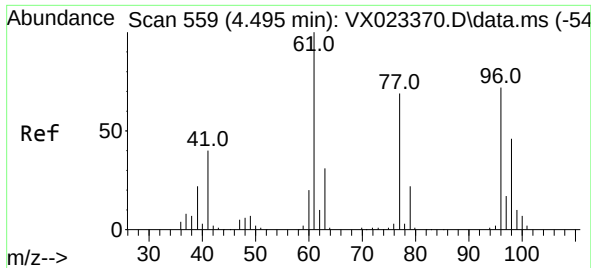
Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
58 21.7 27.8 41.8#



#20
Methylene Chloride
Concen: 0.661 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

Tgt Ion: 84 Resp: 1348
Ion Ratio Lower Upper
84 100
49 104.6 88.6 132.8
51 39.1 27.0 40.6
86 74.1 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 0.637 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.006 min

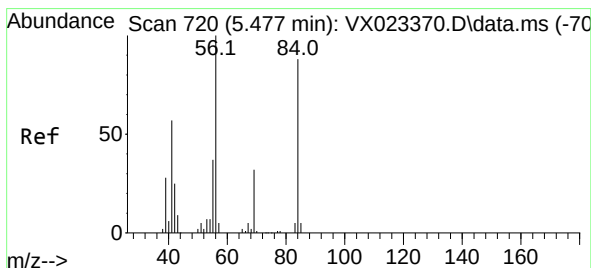
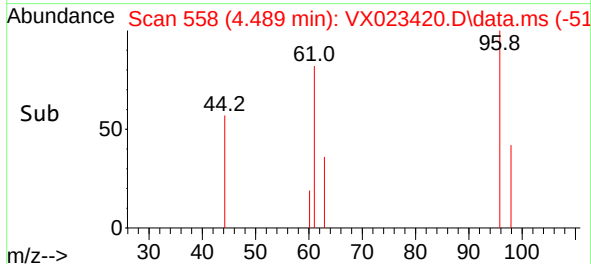
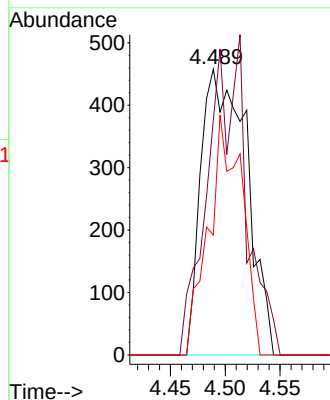
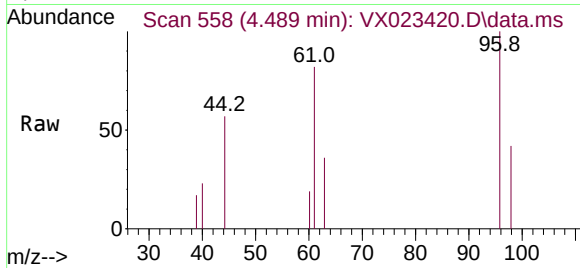
Lab File: VX023420.D

Acq: 23 Jul 2021 13:03

Tgt Ion: 96 Resp: 1323

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	285.6
98	61.3	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.178 ug/l

RT: 5.568 min Scan# 735

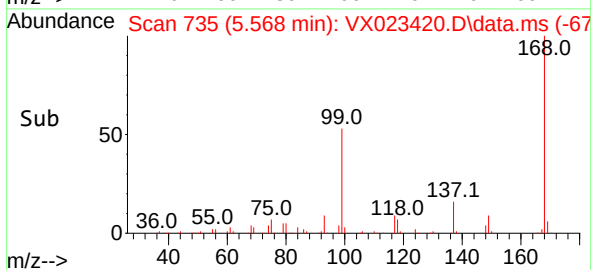
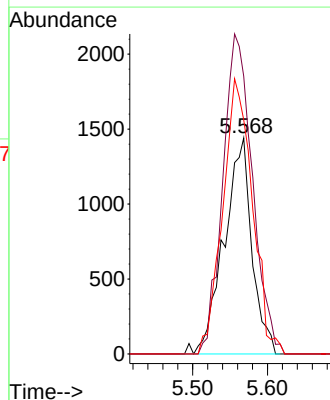
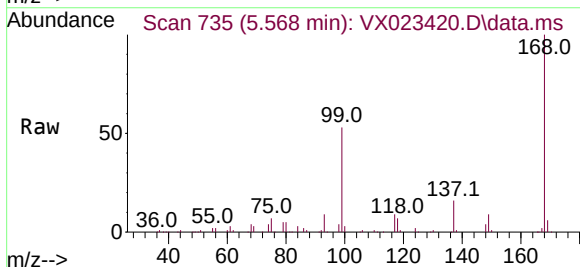
Delta R.T. 0.091 min

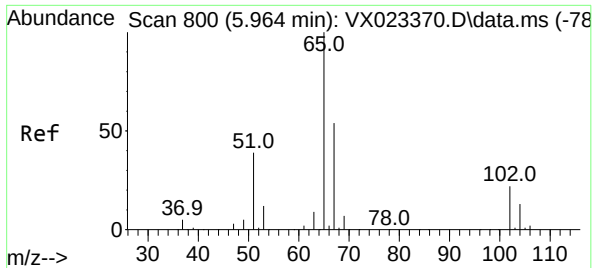
Lab File: VX023420.D

Acq: 23 Jul 2021 13:03

Tgt Ion: 56 Resp: 3728

Ion	Ratio	Lower	Upper
56	100		
69	128.6	25.3	37.9#
84	108.4	71.4	107.0#

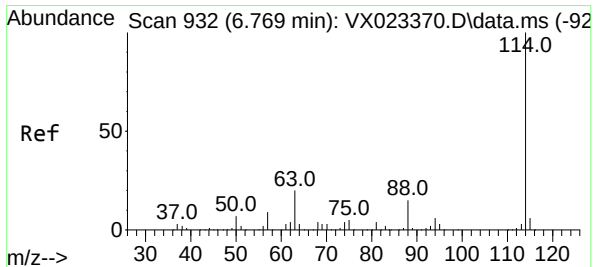
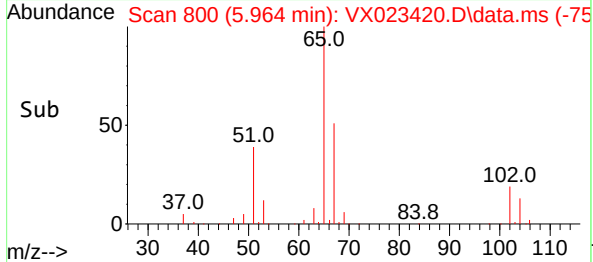
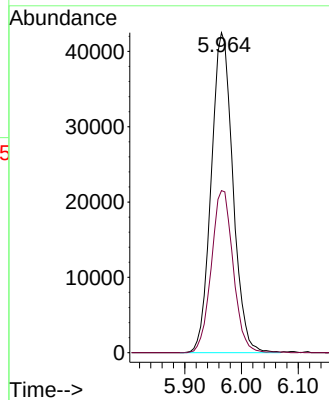
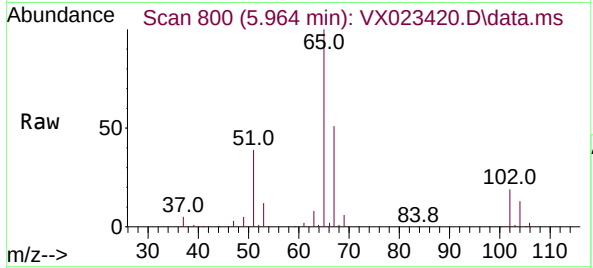




#33
1,2-Dichloroethane-d4
Concen: 52.739 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

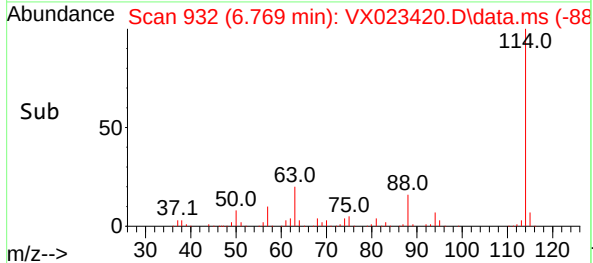
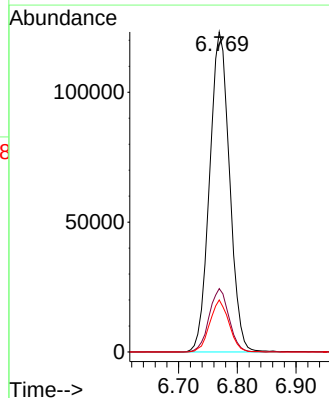
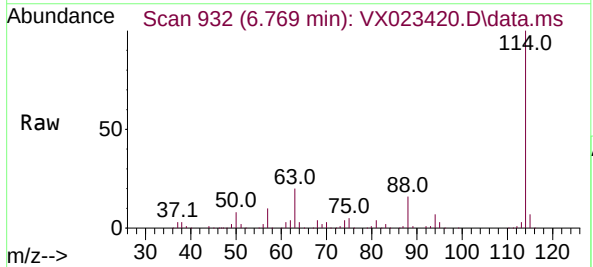
Instrument :
MSVOA_X
ClientSampleId :

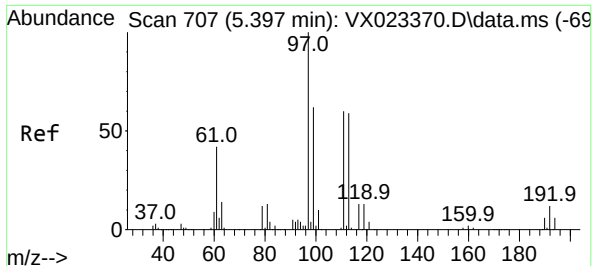
Tgt Ion: 65 Resp: 112664
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

Tgt Ion: 114 Resp: 290608
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.878 ug/l

RT: 5.397 min Scan# 707

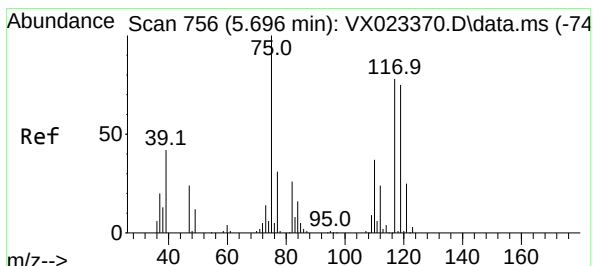
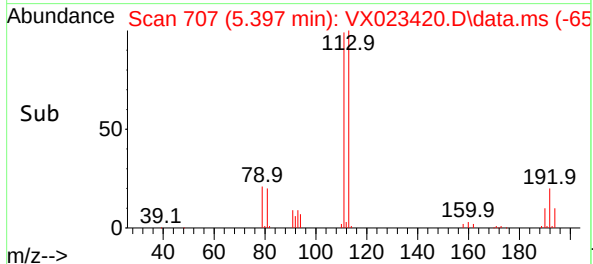
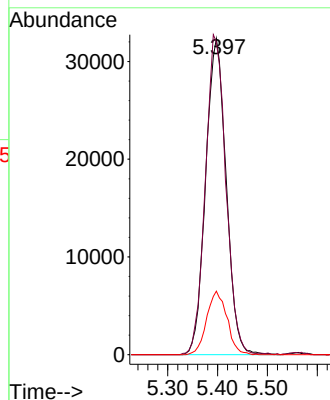
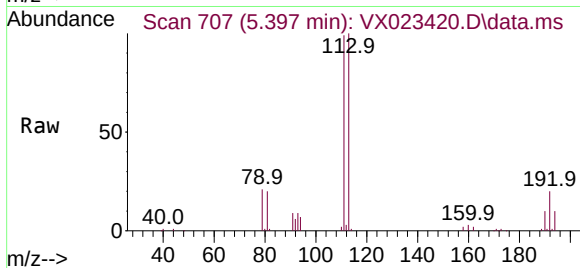
Delta R.T. 0.000 min

Lab File: VX023420.D

Acq: 23 Jul 2021 13:03

Tgt Ion:	113	Resp:	92446
Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.9	122.9
192	19.9	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.802 ug/l

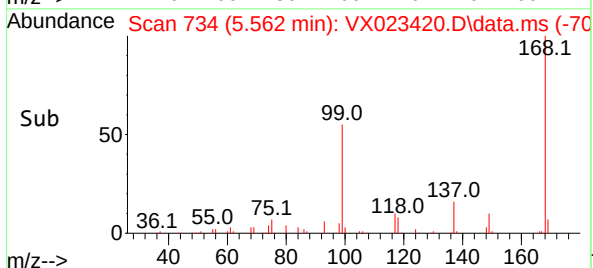
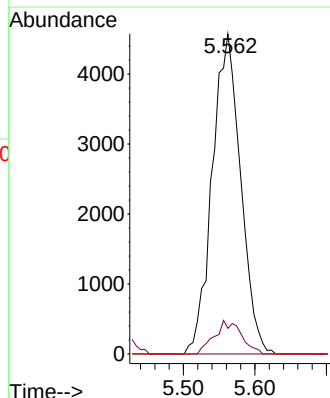
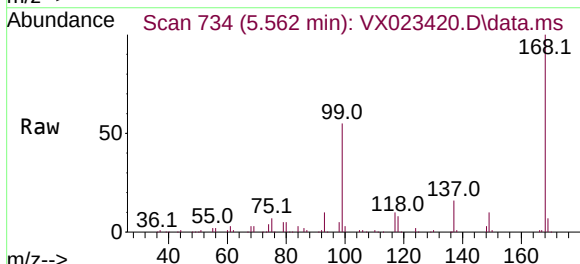
RT: 5.562 min Scan# 734

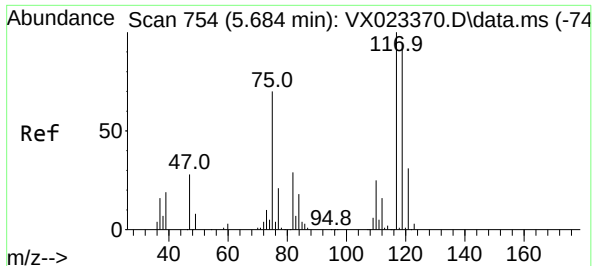
Delta R.T. -0.134 min

Lab File: VX023420.D

Acq: 23 Jul 2021 13:03

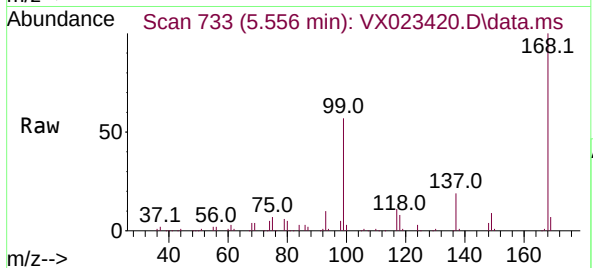
Tgt Ion:	75	Resp:	12624
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.4#
77	0.0	25.3	37.9#



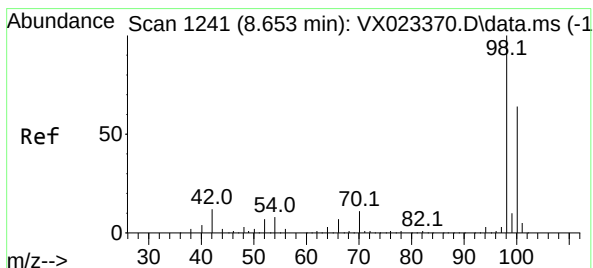
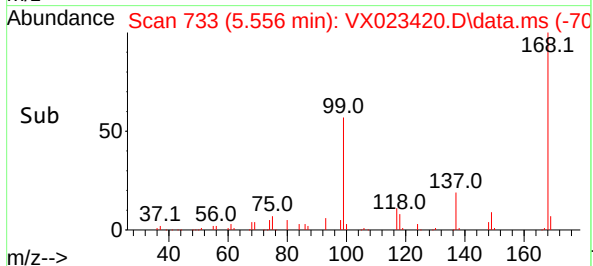
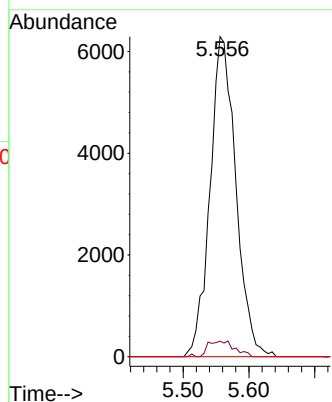


#38
Carbon Tetrachloride
Concen: 6.427 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

Instrument :
MSVOA_X
ClientSampled :

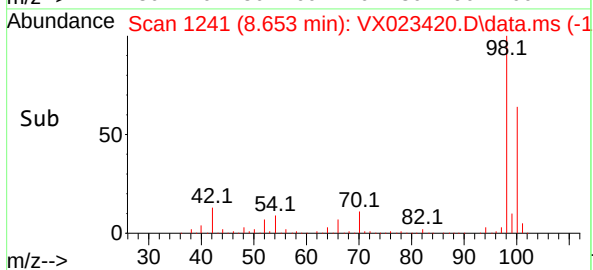
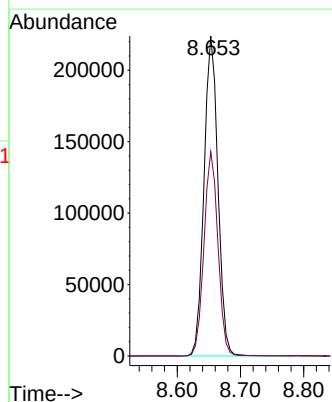
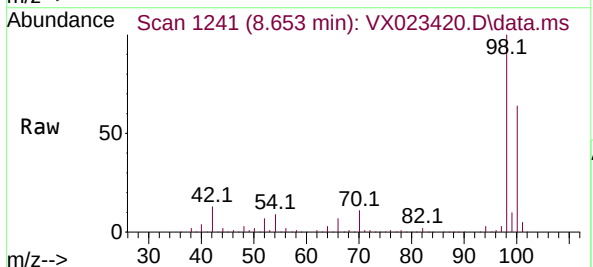


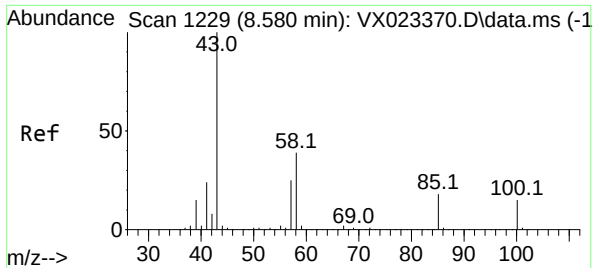
Tgt Ion:117 Resp: 17182
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.378 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

Tgt Ion: 98 Resp: 342986
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

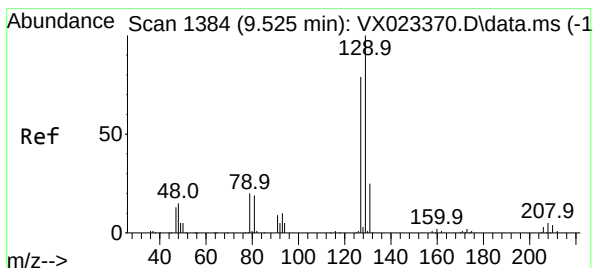
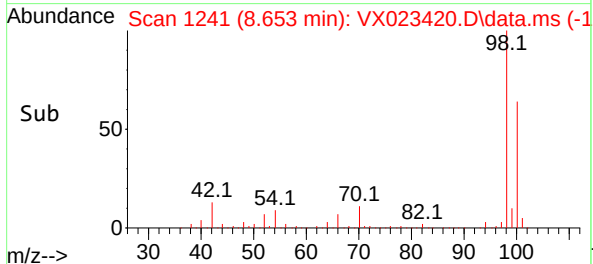
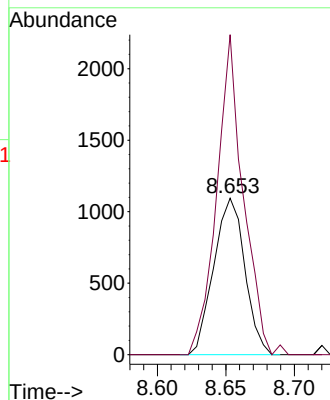
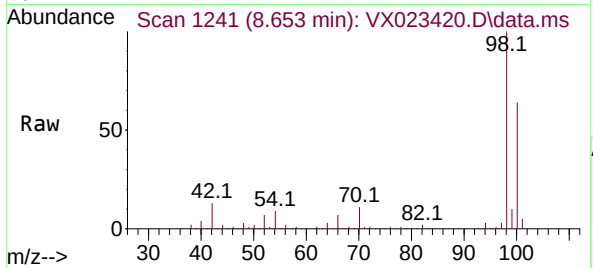




#51
4-Methyl-2-Pentanone
Concen: 0.551 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

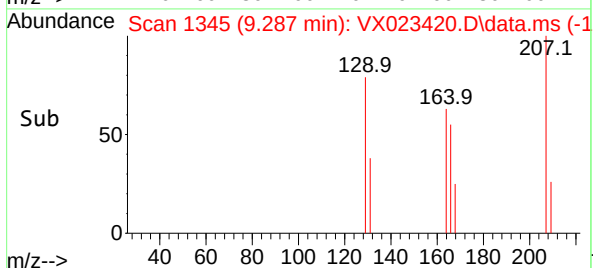
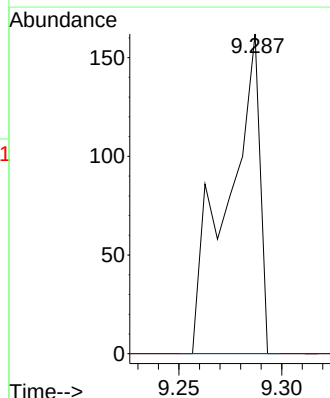
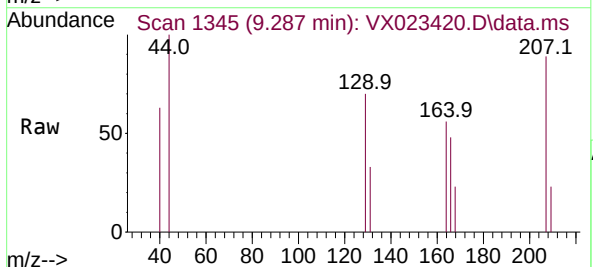
Instrument :
MSVOA_X
ClientSampled :

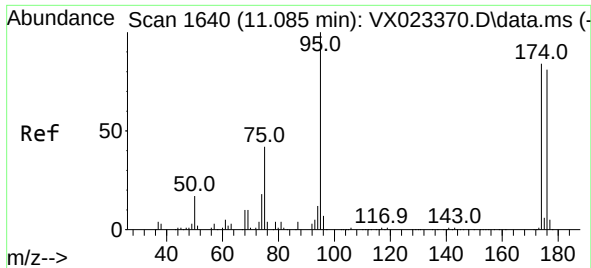
Tgt Ion: 43 Resp: 1730
Ion Ratio Lower Upper
43 100
58 174.9 35.4 53.0#



#60
Dibromochloromethane
Concen: 2.062 ug/l
RT: 9.287 min Scan# 1345
Delta R.T. -0.238 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

Tgt Ion: 129 Resp: 178
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

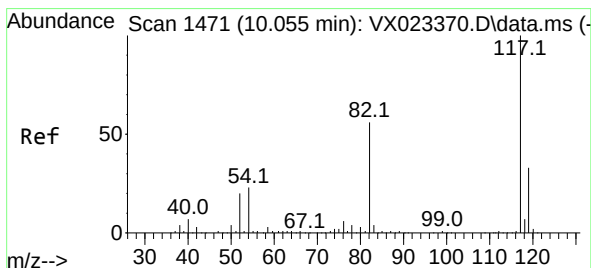
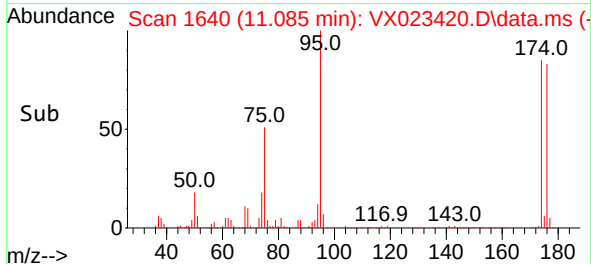
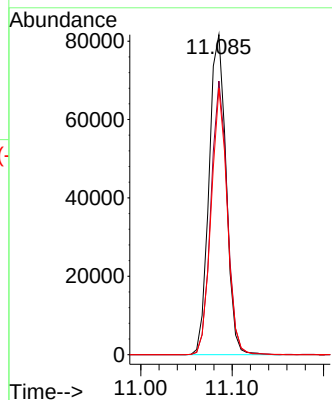
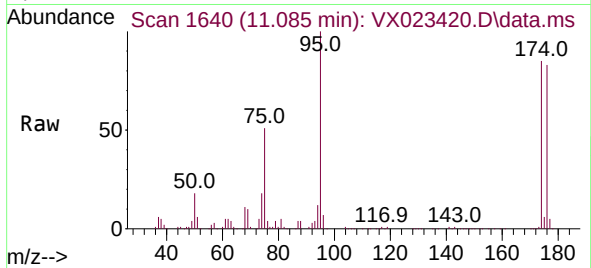




#62
4-Bromofluorobenzene
Concen: 46.451 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

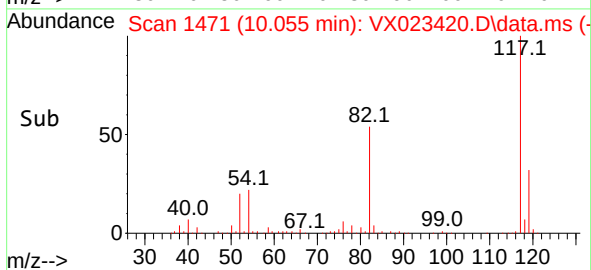
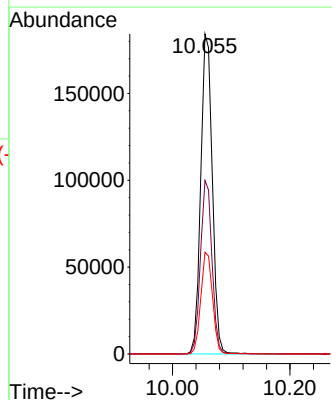
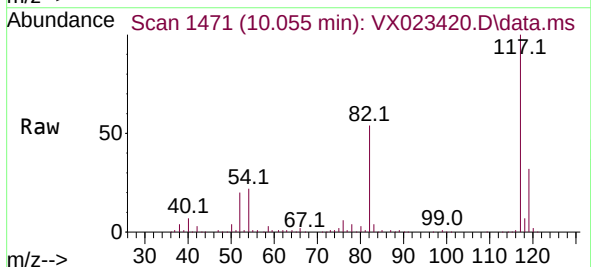
Instrument :
MSVOA_X
ClientSampleId :

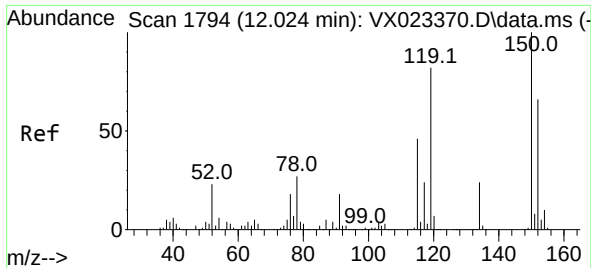
Tgt Ion: 95 Resp: 105444
Ion Ratio Lower Upper
95 100
174 82.0 0.0 154.6
176 78.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023420.D
Acq: 23 Jul 2021 13:03

Tgt Ion: 117 Resp: 251050
Ion Ratio Lower Upper
117 100
82 54.2 47.4 71.2
119 31.8 26.6 39.8

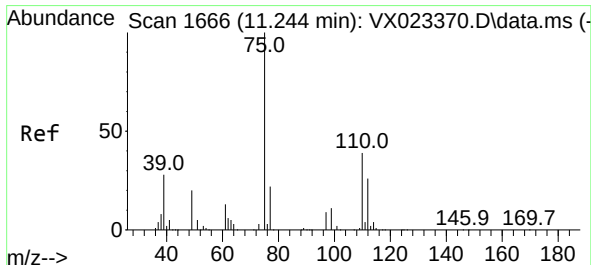
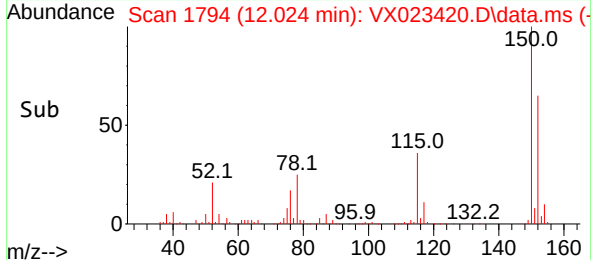
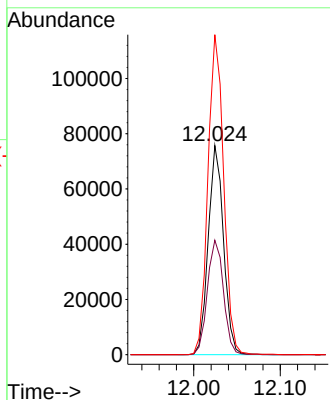
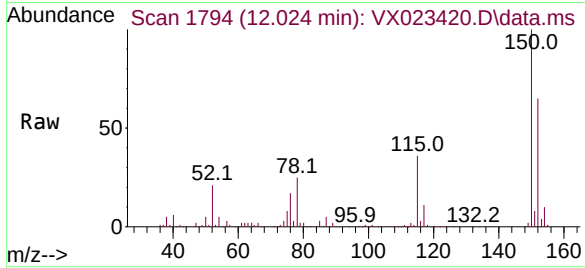




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023420.D
 Acq: 23 Jul 2021 13:03

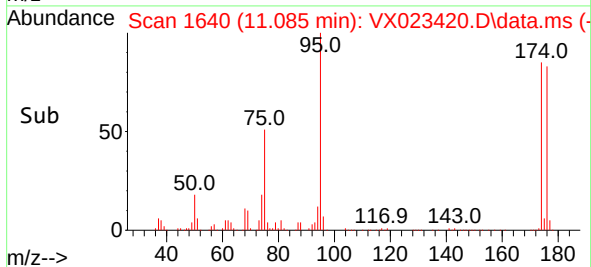
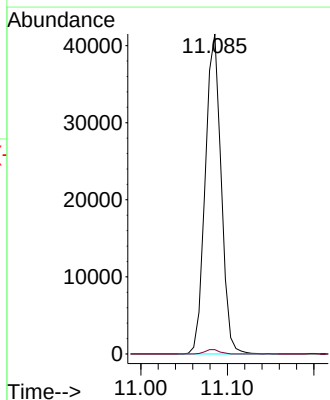
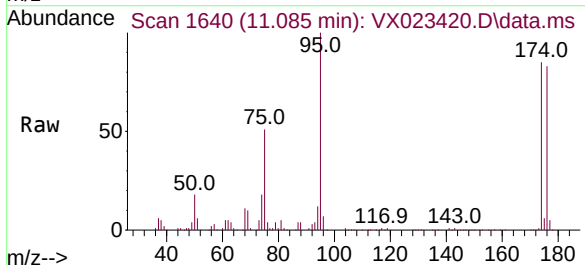
Instrument :
 MSVOA_X
 ClientSampled :

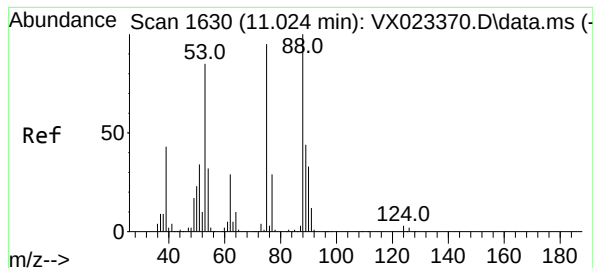
Tgt Ion:152 Resp: 92943
 Ion Ratio Lower Upper
 152 100
 115 57.5 41.1 123.3
 150 157.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.834 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023420.D
 Acq: 23 Jul 2021 13:03

Tgt Ion: 75 Resp: 52838
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 69.465 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX023420.D

Acq: 23 Jul 2021 13:03

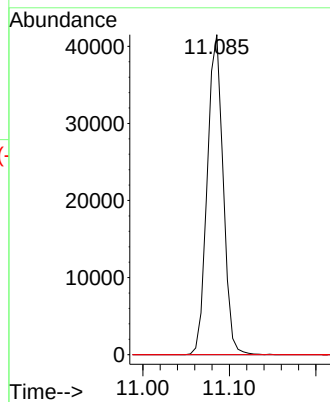
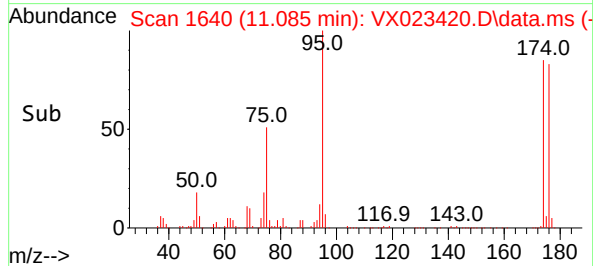
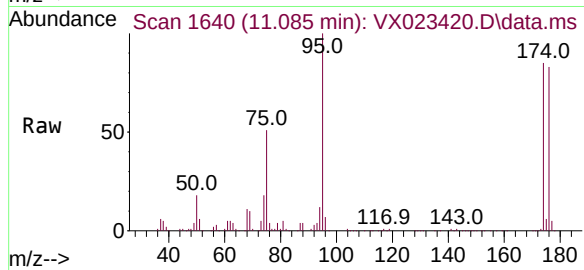
Tgt Ion: 75 Resp: 52838

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#



Instrument :
MSVOA_X
ClientSampleId :