

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070621\
 Data File : VX023151.D
 Acq On : 06 Jul 2021 17:16
 Operator : JC/MD
 Sample : M2923-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 02:54:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

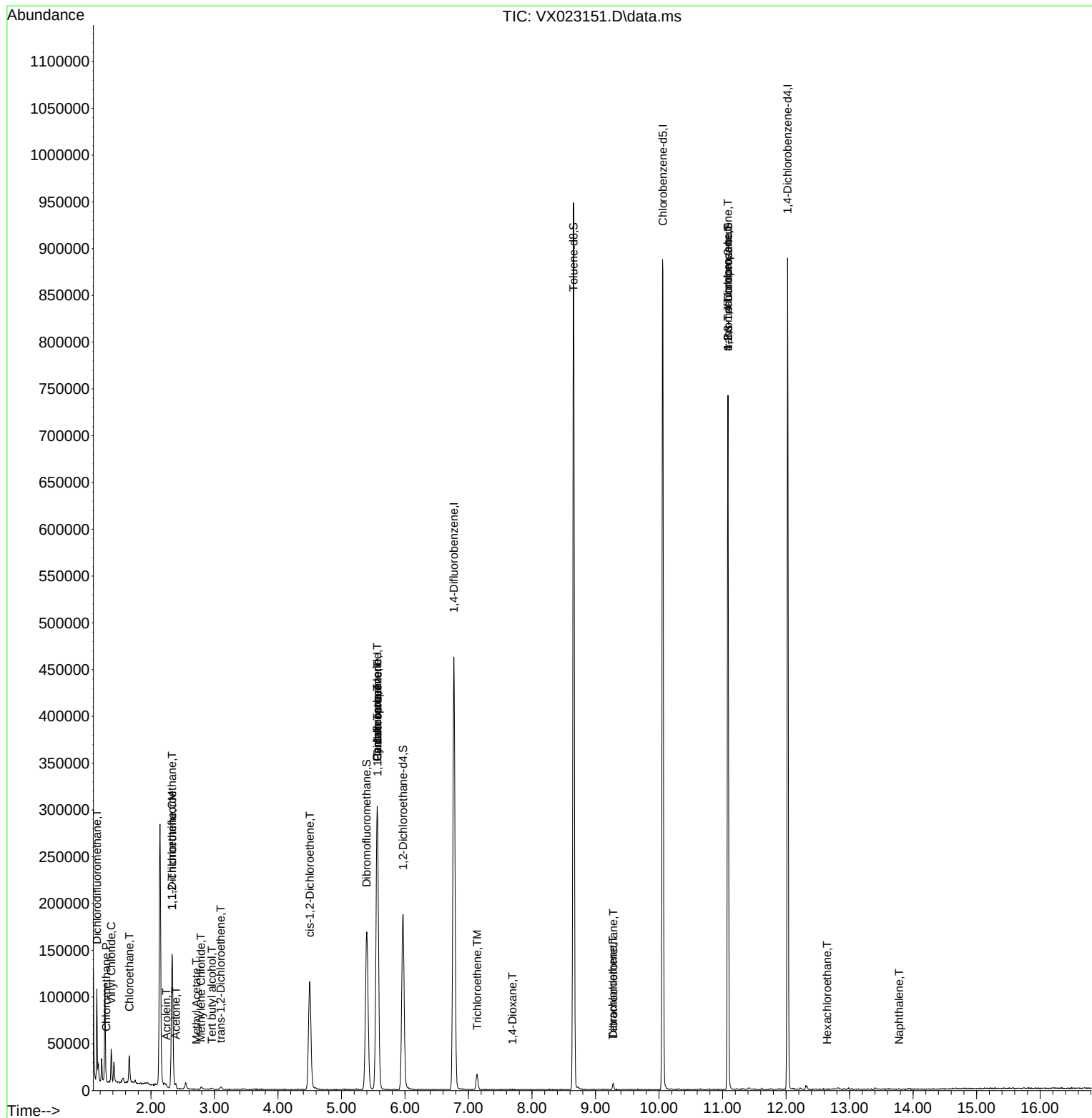
Internal Standards						
1) Pentafluorobenzene	5.562	168	277269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	461899	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	404400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	173105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	193417	51.903	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.800%			
35) Dibromofluoromethane	5.397	113	146648	49.165	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.653	98	544162	48.907	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.820%			
62) 4-Bromofluorobenzene	11.085	95	196301	45.700	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.148	85	7729	3.076	ug/l	98
3) Chloromethane	1.294	50	619	0.249	ug/l #	84
4) Vinyl Chloride	1.374	62	18952	7.198	ug/l	96
5) Bromomethane	1.611	94	985	Below Cal	#	73
6) Chloroethane	1.660	64	951	0.552	ug/l #	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	55419	20.695	ug/l	97
11) Tert butyl alcohol	2.959	59	915	1.167	ug/l #	90
12) 1,1-Dichloroethene	2.331	96	693	0.280	ug/l #	61
13) Acrolein	2.239	56	267	0.511	ug/l #	14
16) Acetone	2.392	43	4845	3.286	ug/l #	88
18) Methyl Acetate	2.715	43	722	0.202	ug/l #	47
20) Methylene Chloride	2.788	84	1048	0.330	ug/l #	83
21) trans-1,2-Dichloroethene	3.099	96	1035	0.388	ug/l #	63
27) cis-1,2-Dichloroethene	4.501	96	72965	22.567	ug/l	92
31) Cyclohexane	5.562	56	6346	1.422	ug/l #	18
36) 1,1-Dichloropropene	5.568	75	22415	5.443	ug/l #	49
38) Carbon Tetrachloride	5.562	117	28930	6.731	ug/l #	16
44) Trichloroethene	7.135	130	6064	1.788	ug/l	97
49) 1,4-Dioxane	7.689	88	81	0.982	ug/l #	1
60) Dibromochloromethane	9.281	129	1156	3.411	ug/l #	11
64) Tetrachloroethene	9.275	164	1251	0.388	ug/l #	86
76) 1,2,3-Trichloropropane	11.085	75	102145	29.323	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	102145	78.840	ug/l #	12
90) Hexachloroethane	12.646	117	78	3.035	ug/l #	9
95) Naphthalene	13.780	128	222	1.292	ug/l #	69

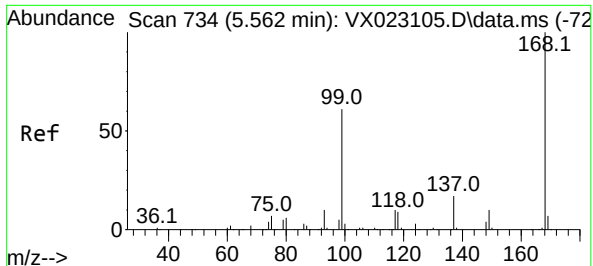
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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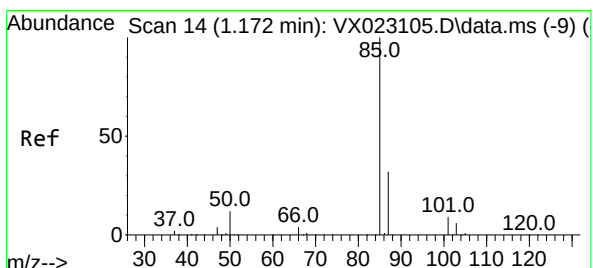
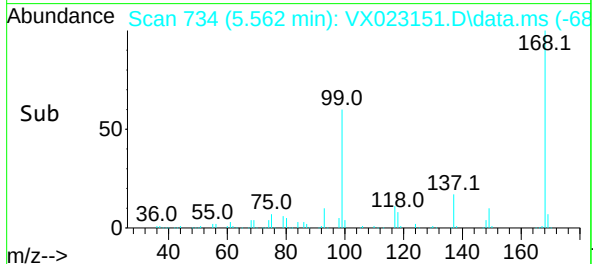
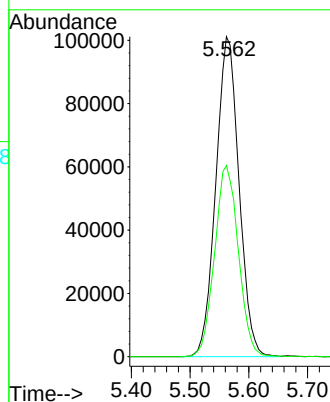
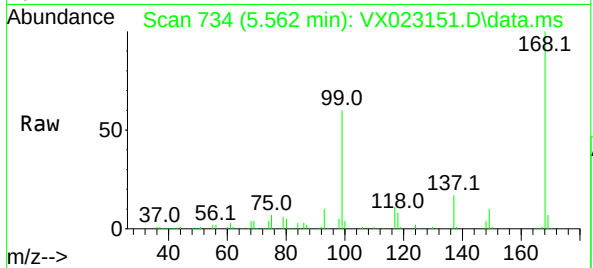




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

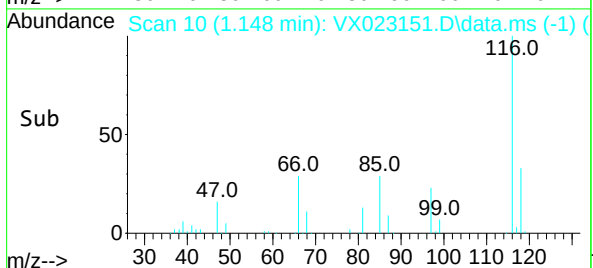
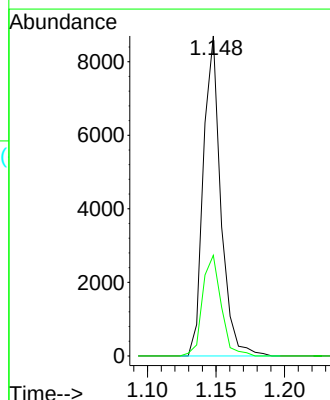
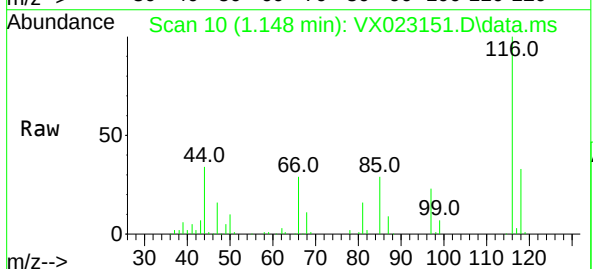
Instrument :
MSVOA_X
ClientSampled :

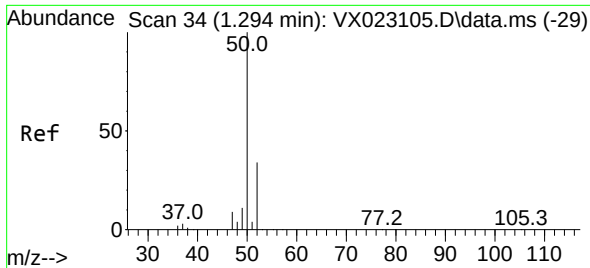
Tgt Ion:168 Resp: 277269
Ion Ratio Lower Upper
168 100
99 59.7 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 3.076 ug/l
RT: 1.148 min Scan# 10
Delta R.T. -0.024 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

Tgt Ion: 85 Resp: 7729
Ion Ratio Lower Upper
85 100
87 31.5 16.4 49.2

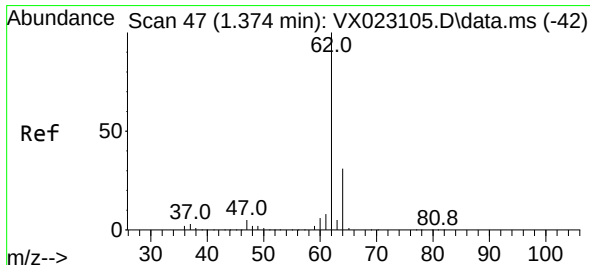
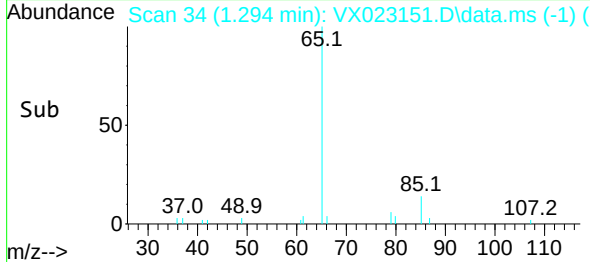
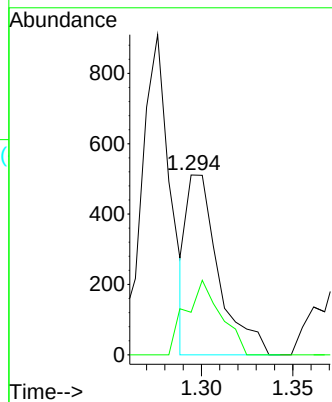
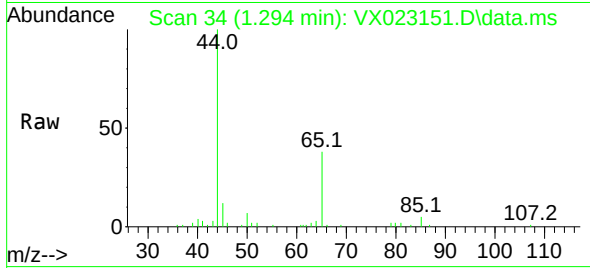




#3
Chloromethane
Concen: 0.249 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

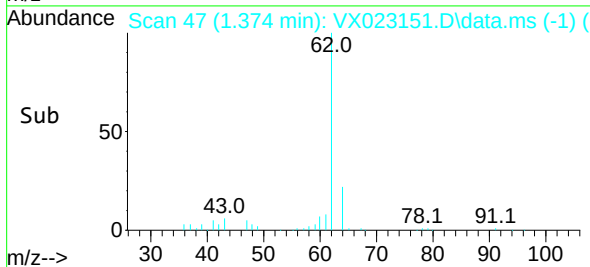
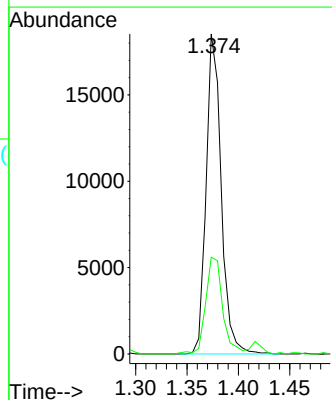
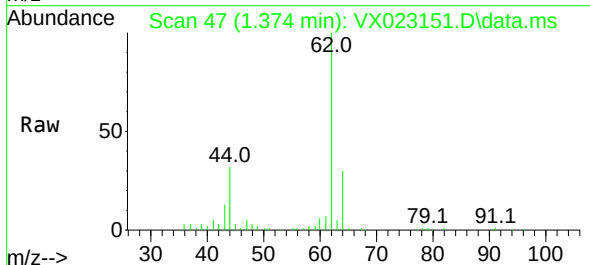
Instrument :
MSVOA_X
ClientSampled :

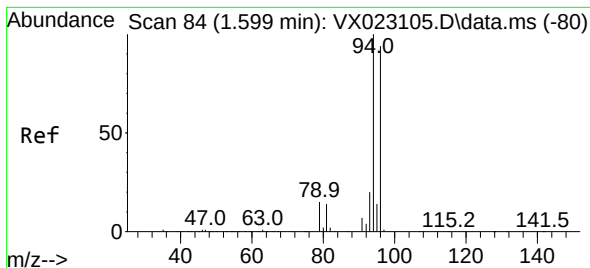
Tgt Ion: 50 Resp: 619
Ion Ratio Lower Upper
50 100
52 23.7 26.4 39.6#



#4
Vinyl Chloride
Concen: 7.198 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

Tgt Ion: 62 Resp: 18952
Ion Ratio Lower Upper
62 100
64 29.9 25.7 38.5





#5

Bromomethane

Concen: Below Cal

RT: 1.611 min Scan# 86

Delta R.T. 0.012 min

Lab File: VX023151.D

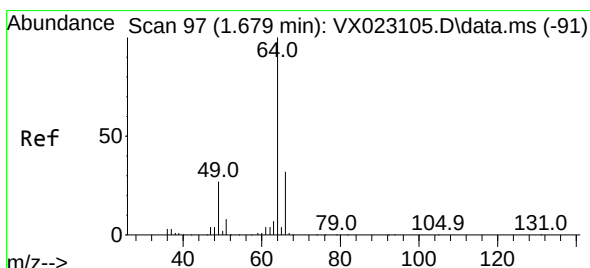
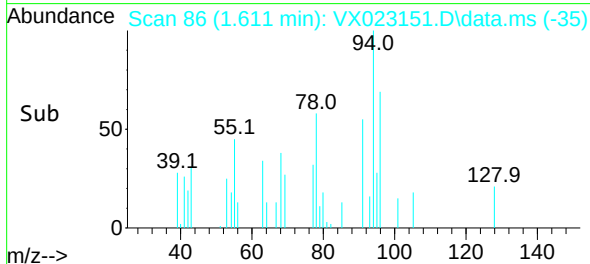
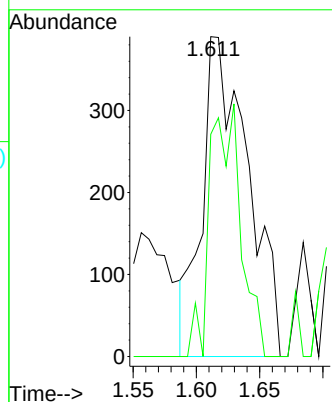
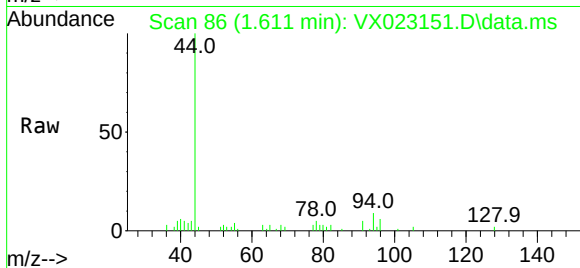
Acq: 06 Jul 2021 17:16

Tgt Ion: 94 Resp: 985

Ion Ratio Lower Upper

94 100

96 69.5 76.4 114.6#



#6

Chloroethane

Concen: 0.552 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.019 min

Lab File: VX023151.D

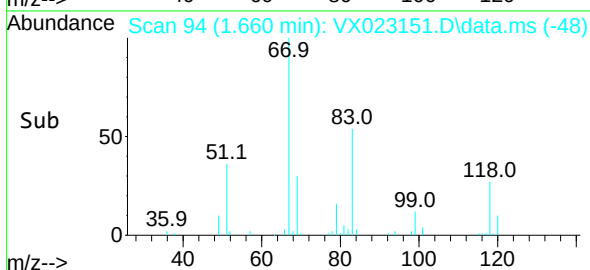
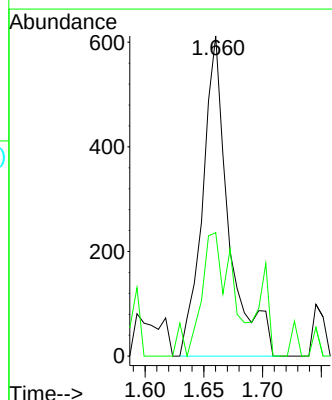
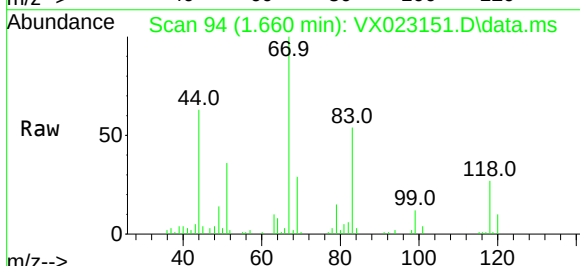
Acq: 06 Jul 2021 17:16

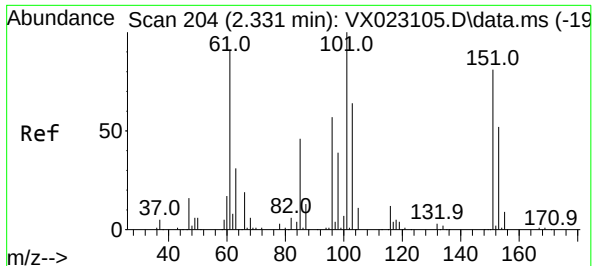
Tgt Ion: 64 Resp: 951

Ion Ratio Lower Upper

64 100

66 38.6 25.4 38.0#

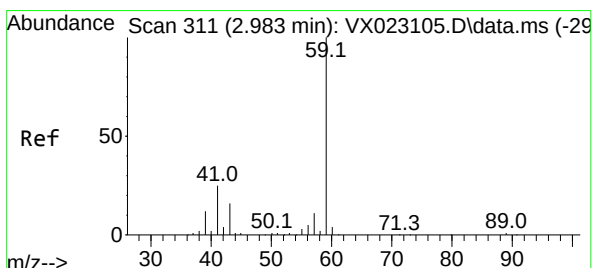
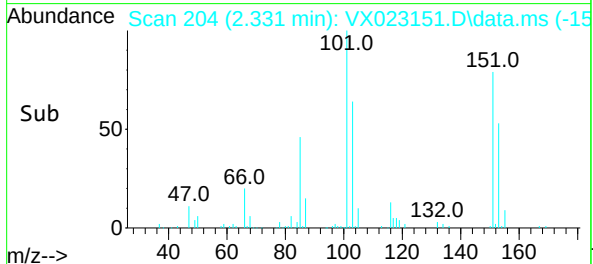
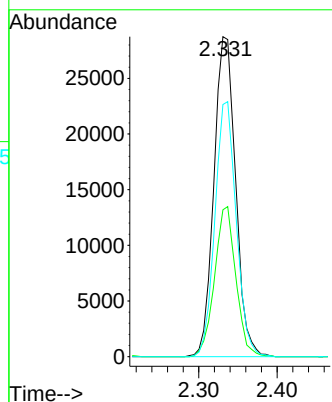
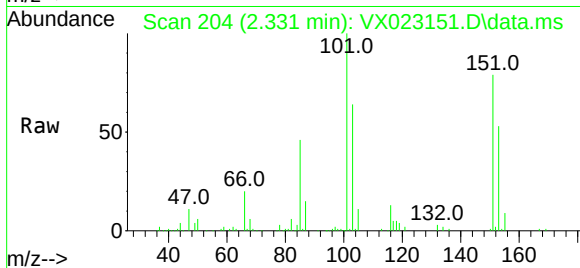




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.695 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

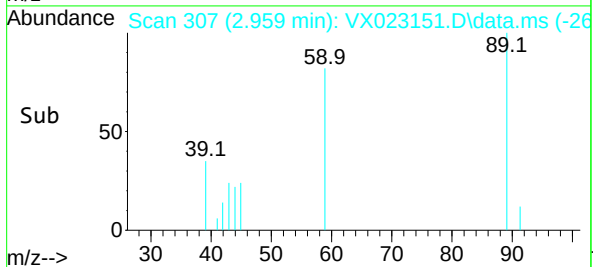
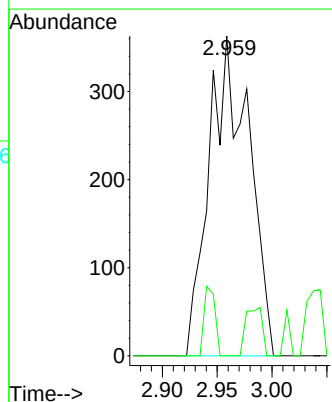
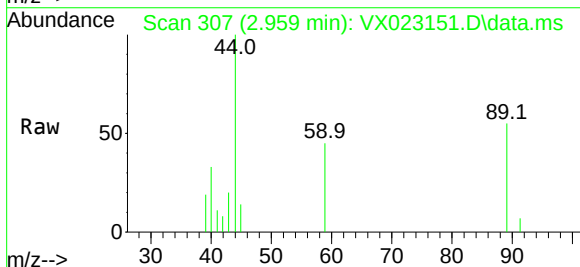
Instrument :
MSVOA_X
ClientSampled :

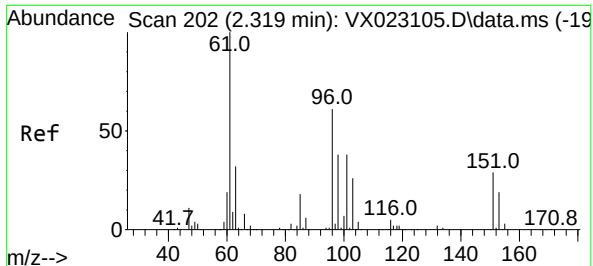
Tgt Ion:101 Resp: 55419
Ion Ratio Lower Upper
101 100
85 46.0 34.9 52.3
151 78.4 61.4 92.2



#11
Tert butyl alcohol
Concen: 1.167 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

Tgt Ion: 59 Resp: 915
Ion Ratio Lower Upper
59 100
57 6.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.280 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.012 min

Lab File: VX023151.D

Acq: 06 Jul 2021 17:16

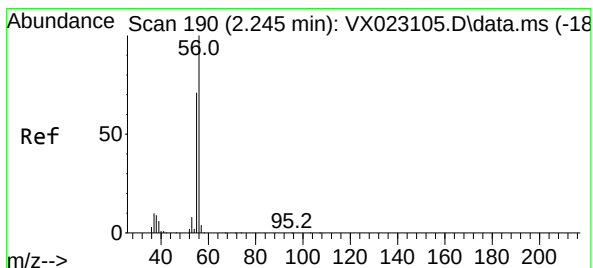
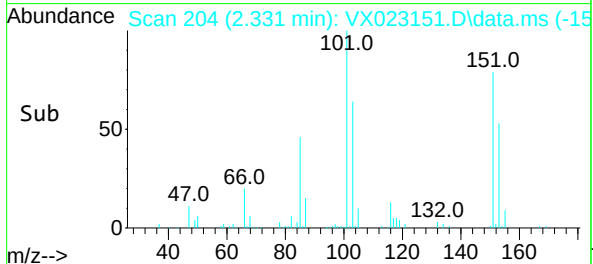
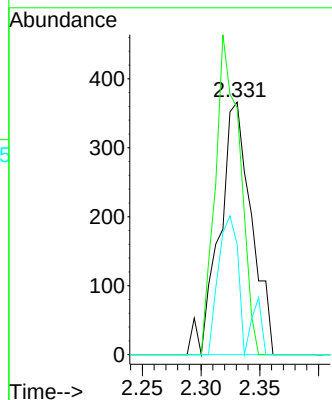
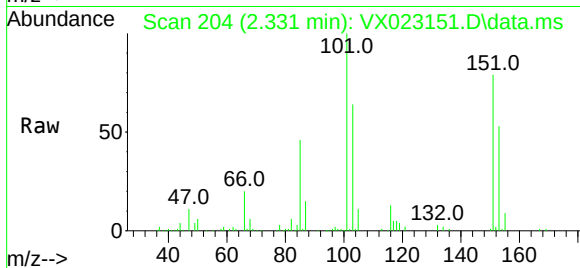
Tgt Ion: 96 Resp: 693

Ion Ratio Lower Upper

96 100

61 97.8 124.6 187.0#

98 43.7 50.6 76.0#



#13

Acrolein

Concen: 0.511 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX023151.D

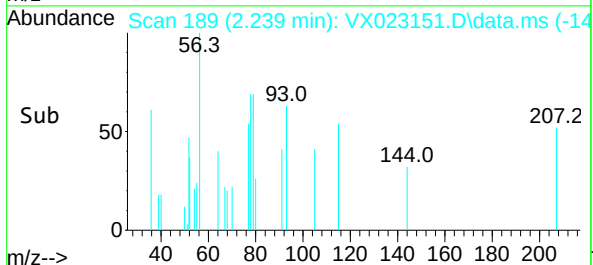
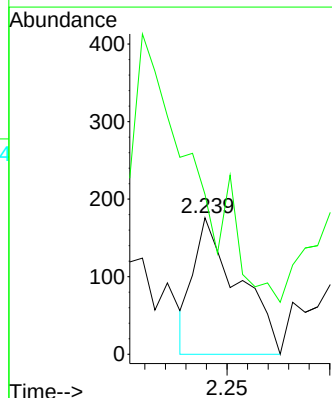
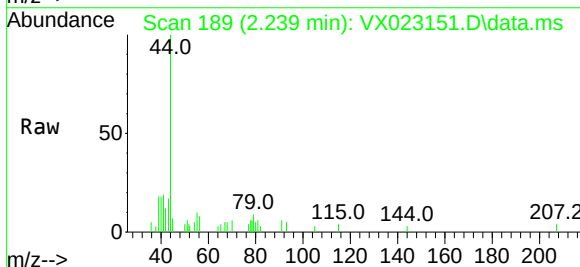
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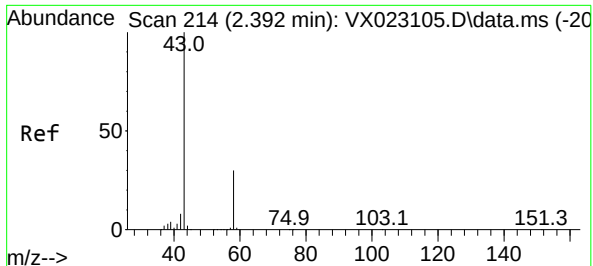
Tgt Ion: 56 Resp: 267

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#

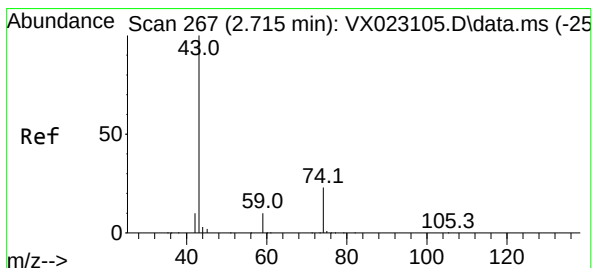
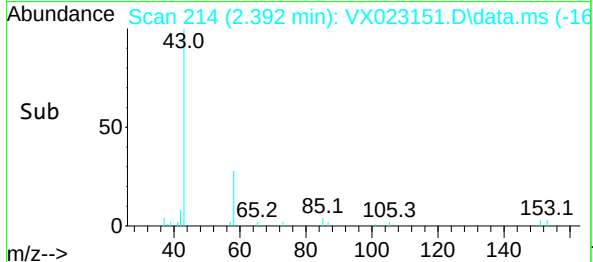
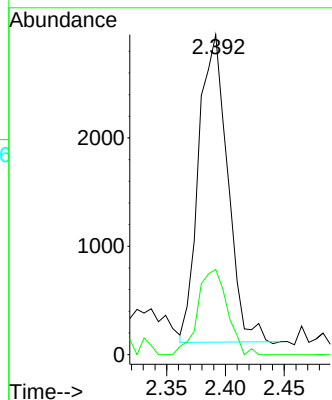
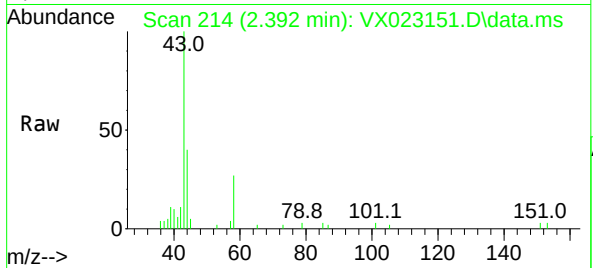




#16
Acetone
Concen: 3.286 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

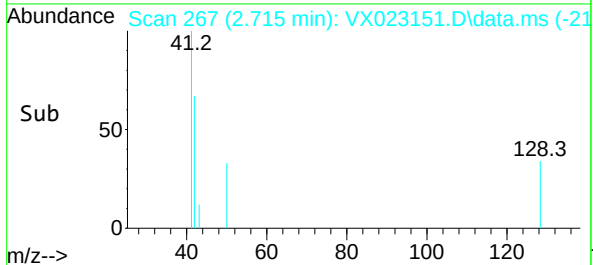
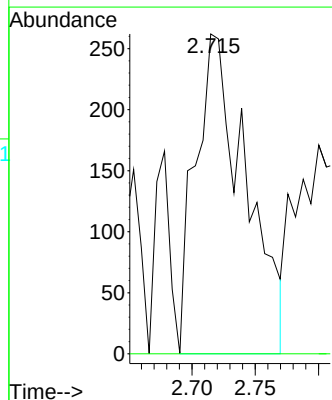
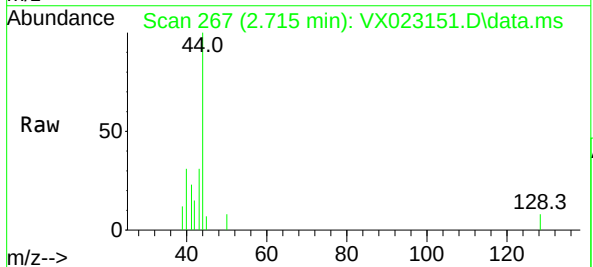
Instrument :
MSVOA_X
ClientSampled :

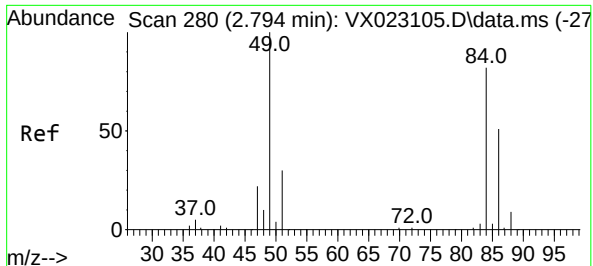
Tgt Ion: 43 Resp: 4845
Ion Ratio Lower Upper
43 100
58 27.7 27.8 41.8#



#18
Methyl Acetate
Concen: 0.202 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.330 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX023151.D

Acq: 06 Jul 2021 17:16

Tgt Ion: 84 Resp: 1048

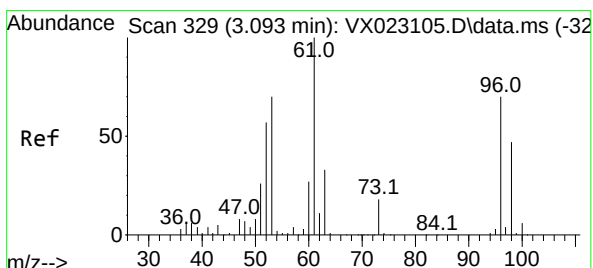
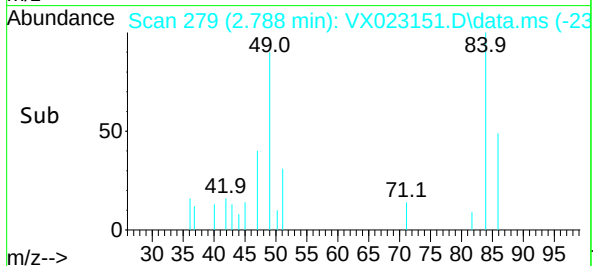
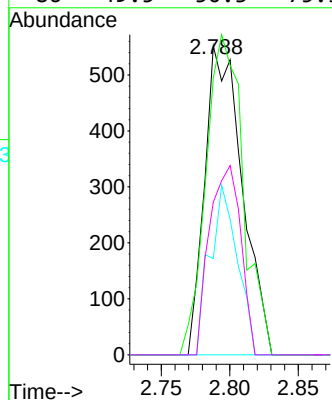
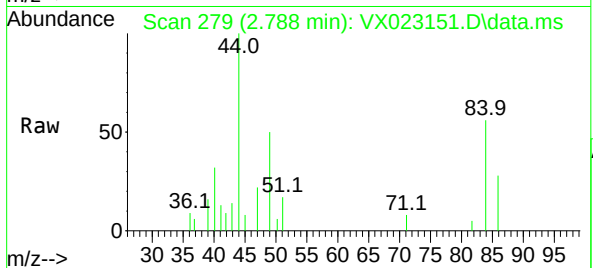
Ion Ratio Lower Upper

84 100

49 89.7 88.6 132.8

51 31.2 27.0 40.6

86 49.5 50.3 75.5#



#21

trans-1,2-Dichloroethene

Concen: 0.388 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.006 min

Lab File: VX023151.D

Acq: 06 Jul 2021 17:16

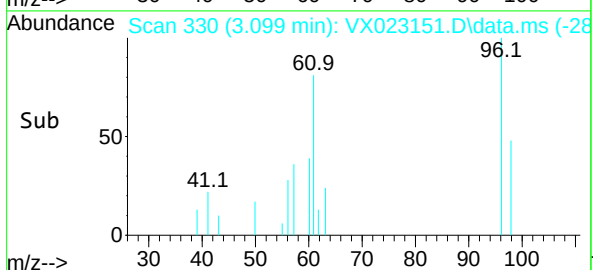
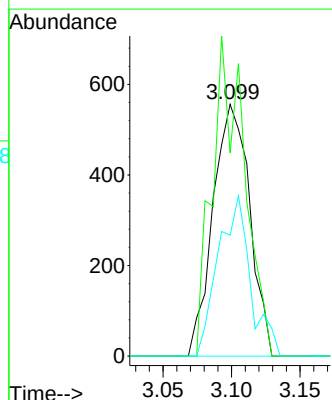
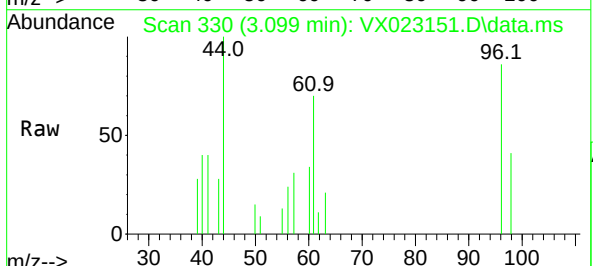
Tgt Ion: 96 Resp: 1035

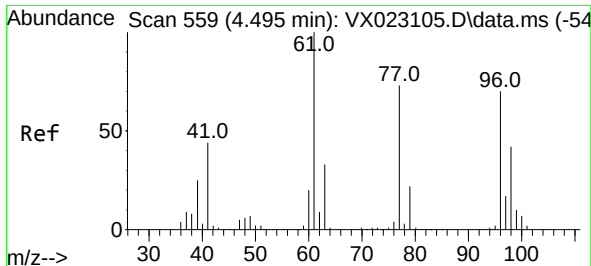
Ion Ratio Lower Upper

96 100

61 80.8 107.7 161.5#

98 48.0 50.4 75.6#





#27

cis-1,2-Dichloroethene

Concen: 22.567 ug/l

RT: 4.501 min Scan# 560

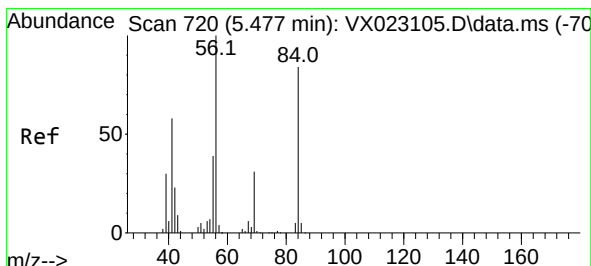
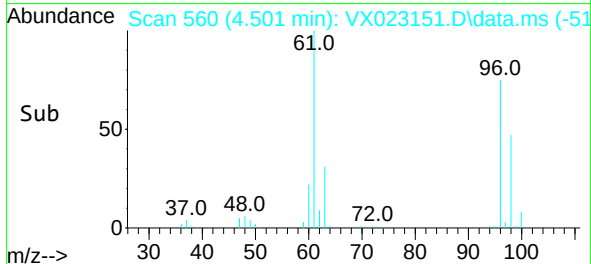
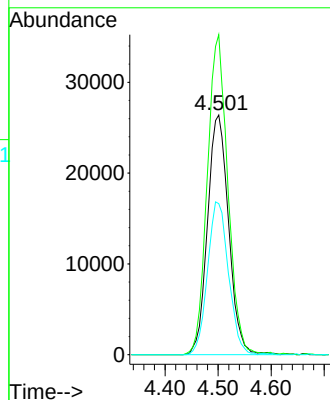
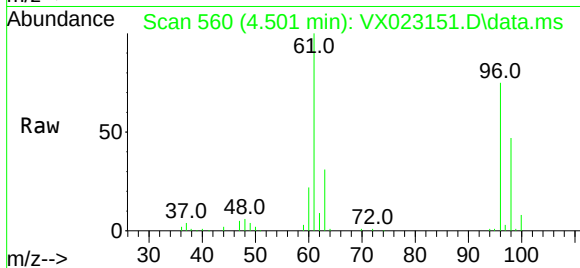
Delta R.T. 0.006 min

Lab File: VX023151.D

Acq: 06 Jul 2021 17:16

Tgt Ion: 96 Resp: 72965

Ion	Ratio	Lower	Upper
96	100		
61	129.8	0.0	285.6
98	63.3	0.0	129.6



#31

Cyclohexane

Concen: 1.422 ug/l

RT: 5.562 min Scan# 734

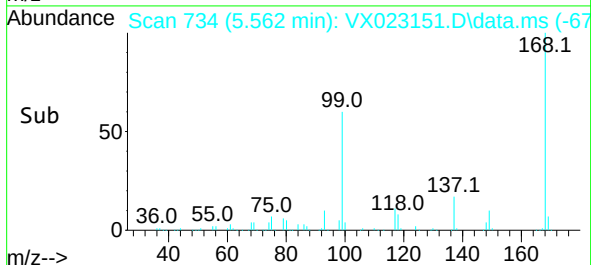
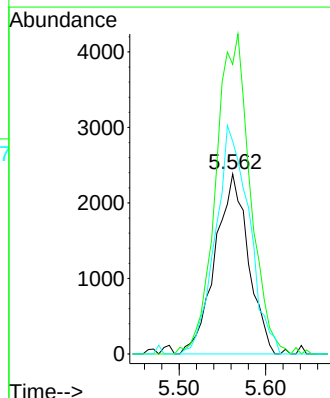
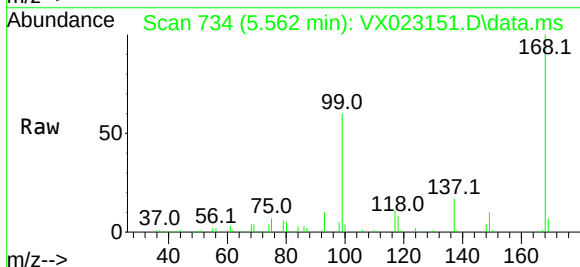
Delta R.T. 0.085 min

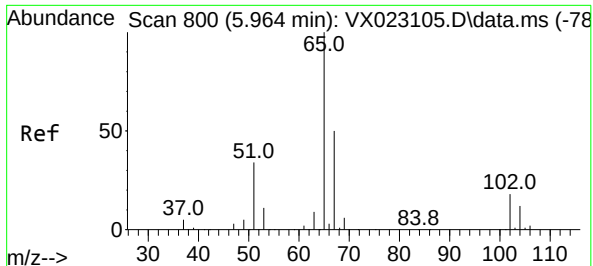
Lab File: VX023151.D

Acq: 06 Jul 2021 17:16

Tgt Ion: 56 Resp: 6346

Ion	Ratio	Lower	Upper
56	100		
69	157.2	25.3	37.9#
84	118.1	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.903 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX023151.D

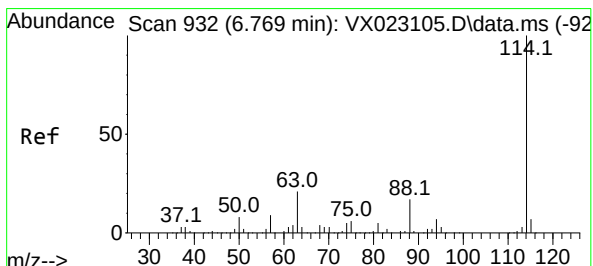
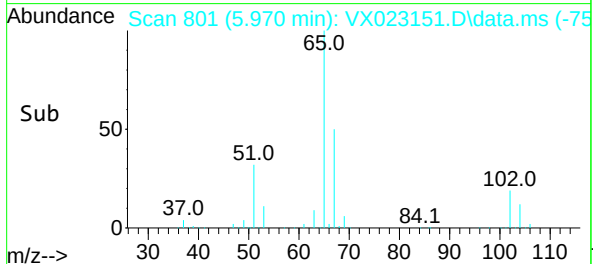
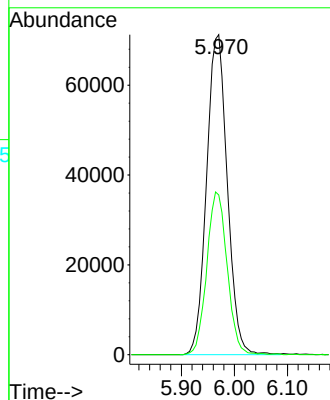
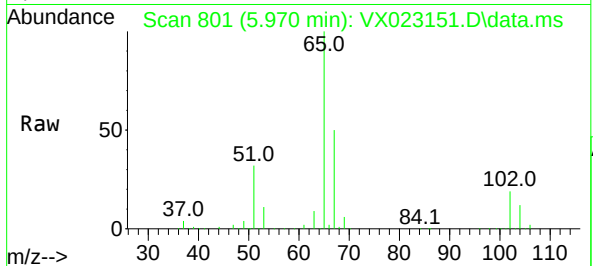
Acq: 06 Jul 2021 17:16

Tgt Ion: 65 Resp: 193417

Ion Ratio Lower Upper

65 100

67 49.9 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX023151.D

Acq: 06 Jul 2021 17:16

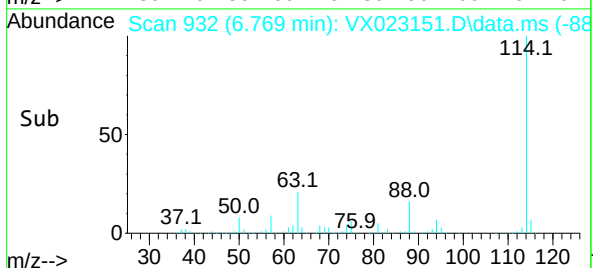
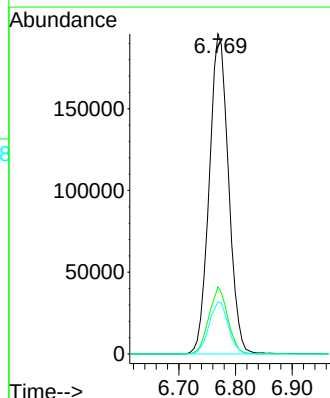
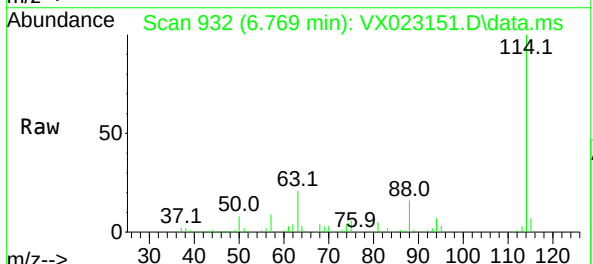
Tgt Ion: 114 Resp: 461899

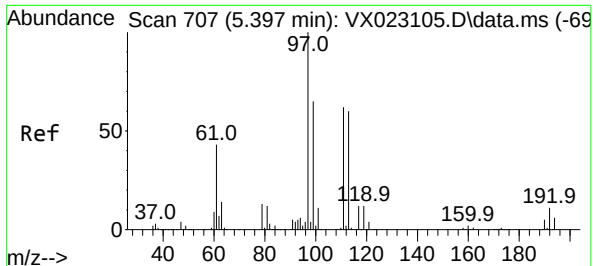
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 16.2 0.0 32.8

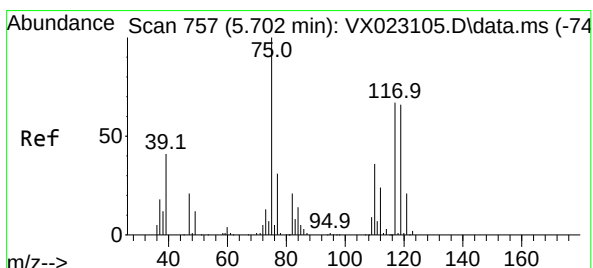
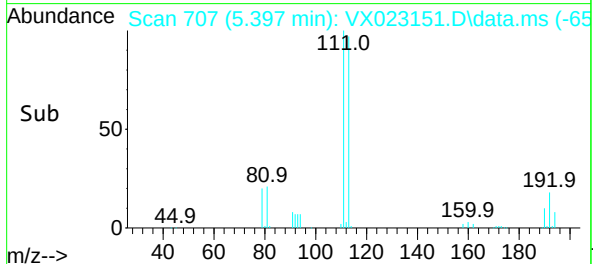
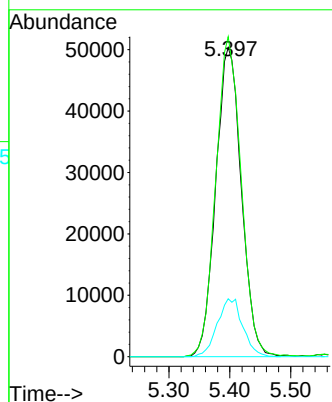
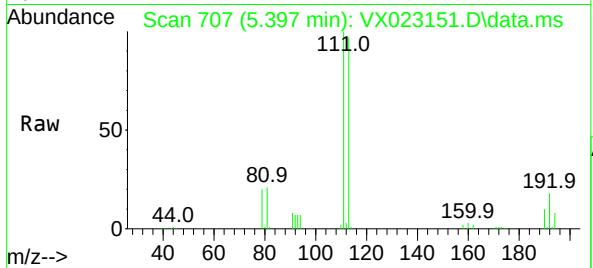




#35
Dibromofluoromethane
Concen: 49.165 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

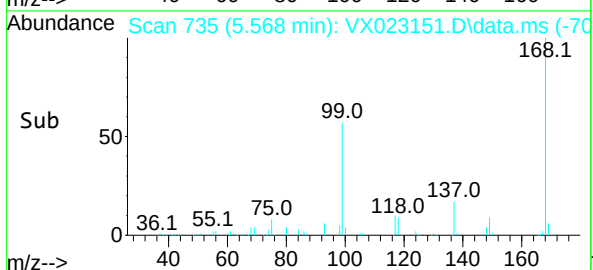
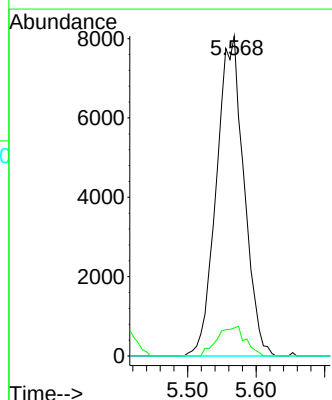
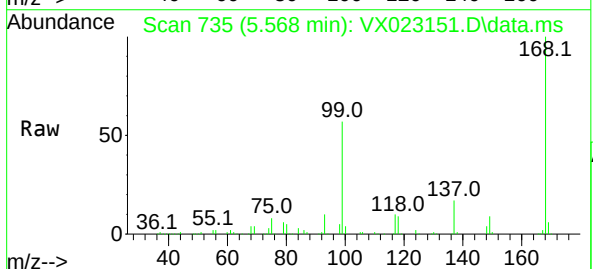
Instrument :
MSVOA_X
ClientSampleId :

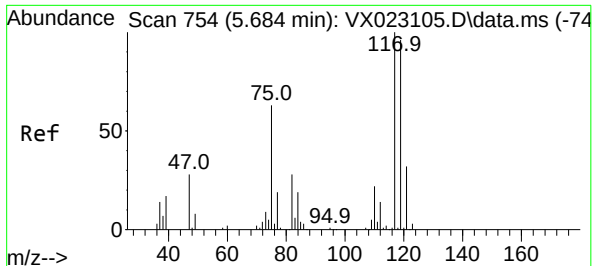
Tgt Ion:113 Resp: 146648
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 18.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.443 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

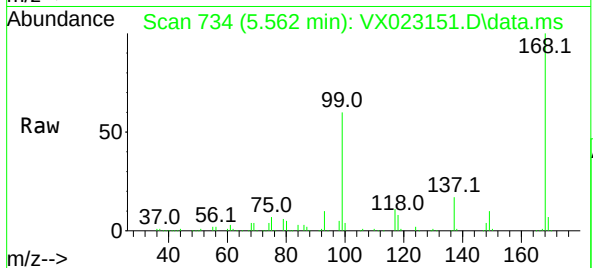
Tgt Ion: 75 Resp: 22415
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 25.3 37.9#



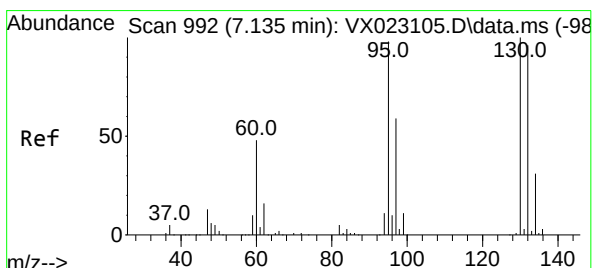
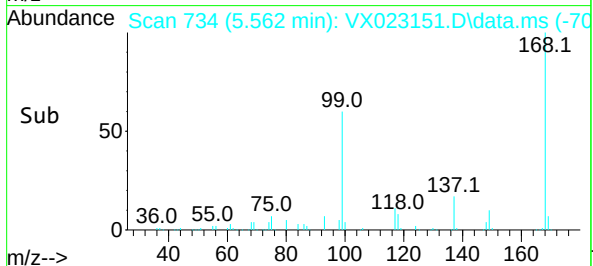
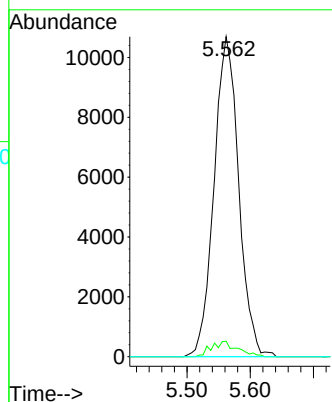


#38
Carbon Tetrachloride
Concen: 6.731 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

Instrument :
MSVOA_X
ClientSampled :

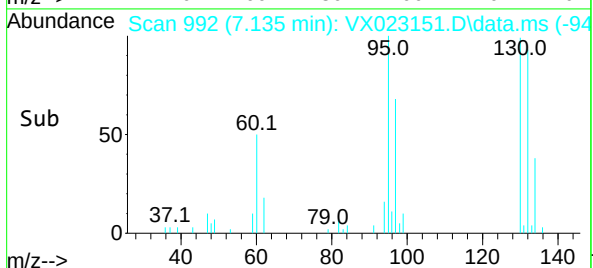
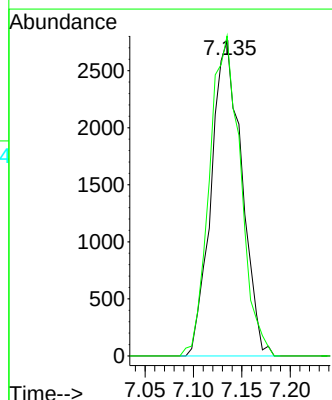
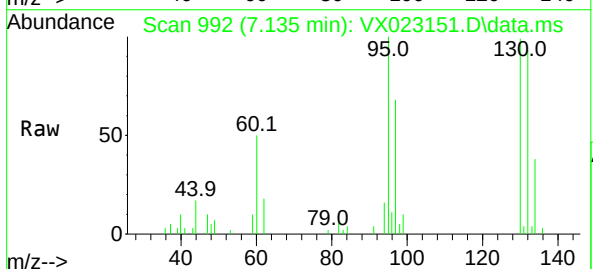


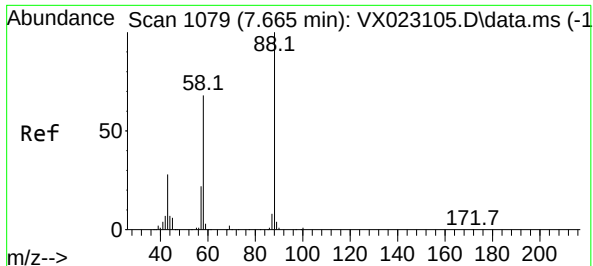
Tgt Ion:117 Resp: 28930
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 1.788 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

Tgt Ion:130 Resp: 6064
Ion Ratio Lower Upper
130 100
95 101.5 0.0 198.0





#49

1,4-Dioxane

Concen: 0.982 ug/l

RT: 7.689 min Scan# 1083

Delta R.T. 0.024 min

Lab File: VX023151.D

Acq: 06 Jul 2021 17:16

Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

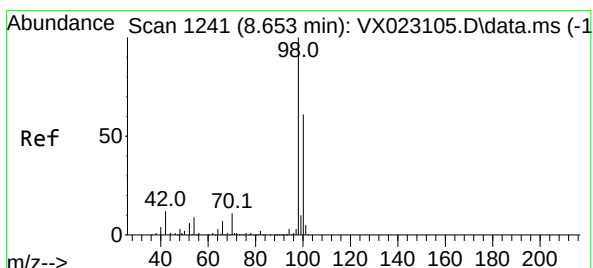
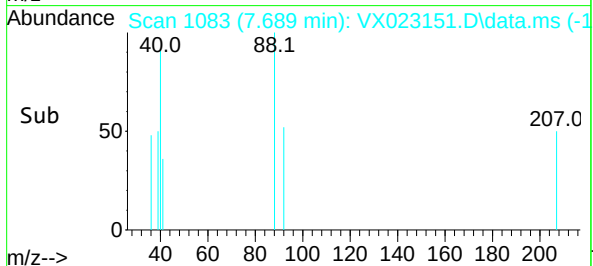
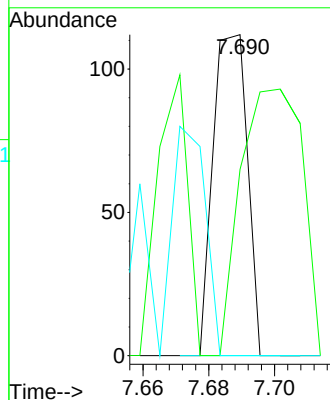
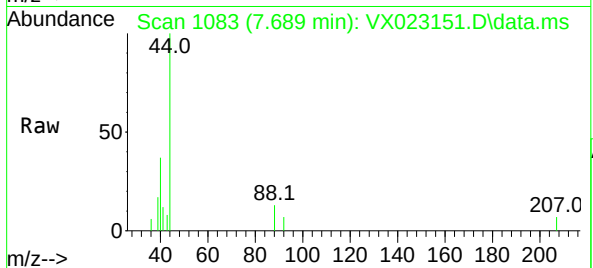
43 149.4 23.2 34.8#

58 0.0 55.0 82.4#

Instrument :

MSVOA_X

ClientSampled :



#50

Toluene-d8

Concen: 48.907 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023151.D

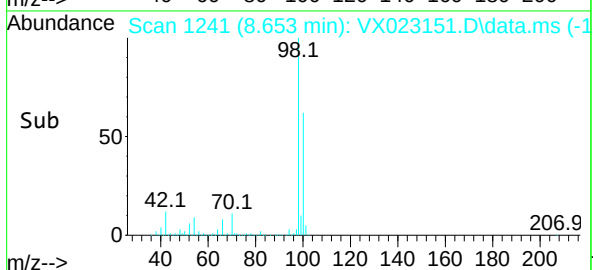
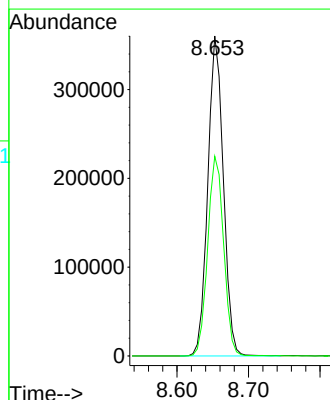
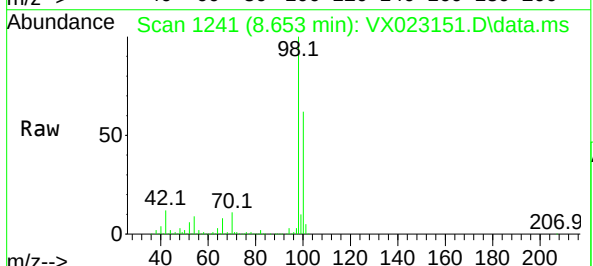
Acq: 06 Jul 2021 17:16

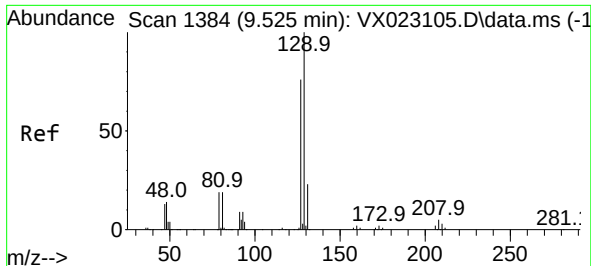
Tgt Ion: 98 Resp: 544162

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9

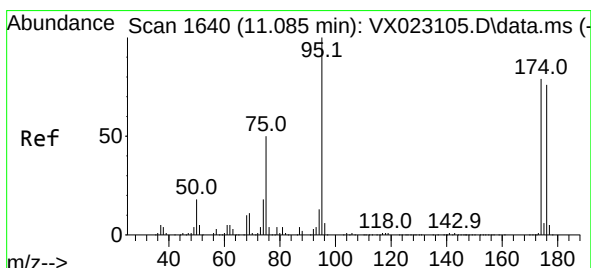
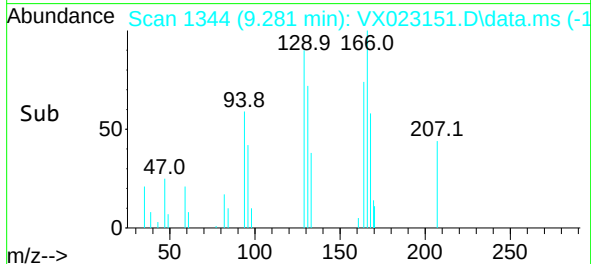
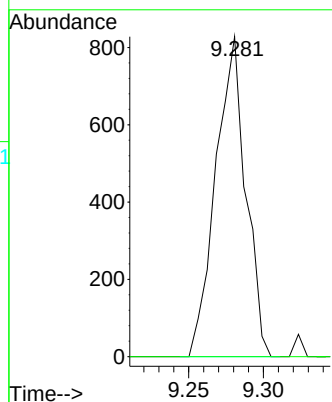
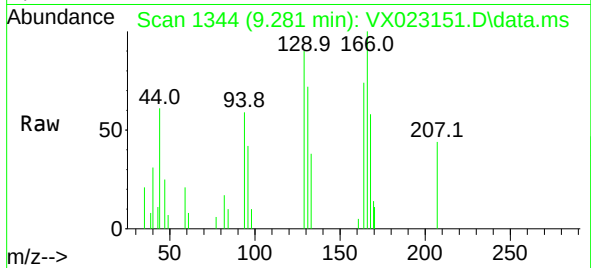




#60
Dibromochloromethane
Concen: 3.411 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

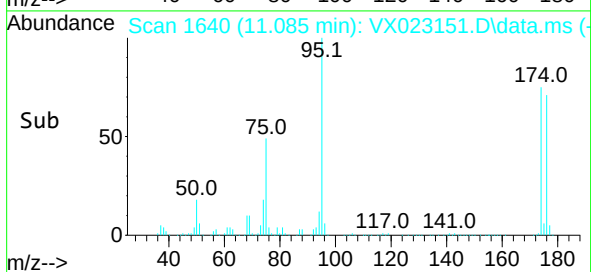
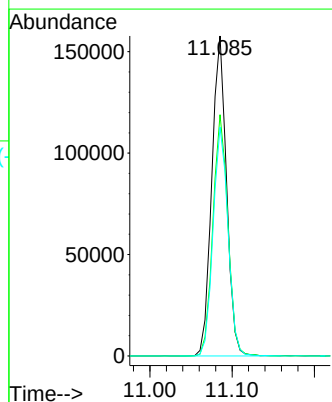
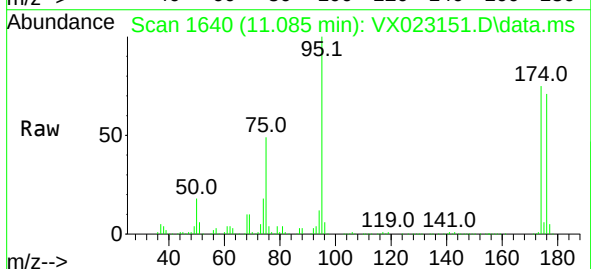
Instrument :
MSVOA_X
ClientSampleId :

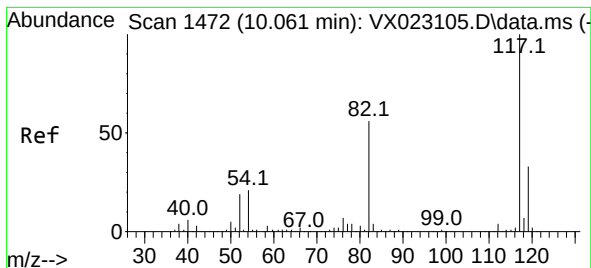
Tgt Ion:129 Resp: 1156
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.700 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

Tgt Ion: 95 Resp: 196301
Ion Ratio Lower Upper
95 100
174 76.6 0.0 154.6
176 72.7 0.0 155.8

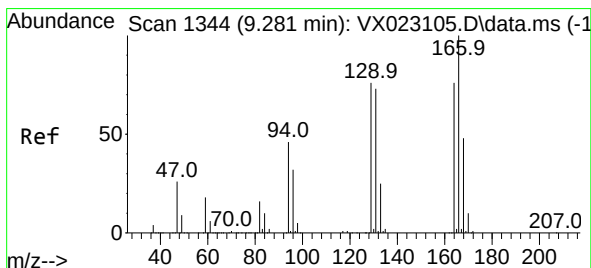
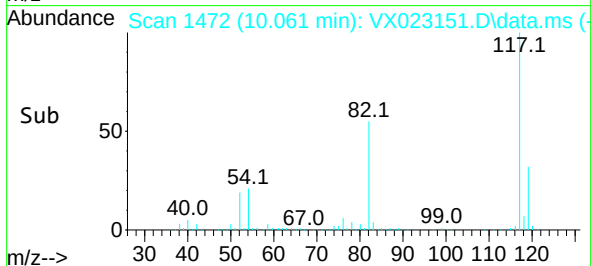
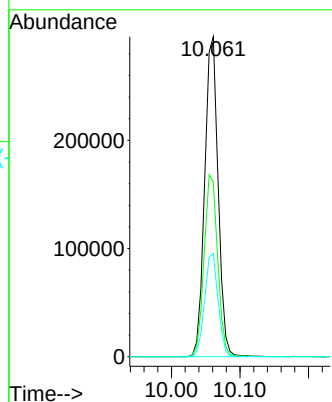
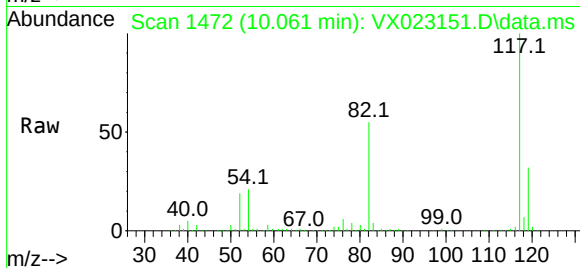




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

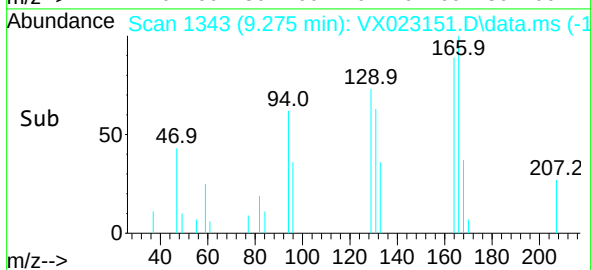
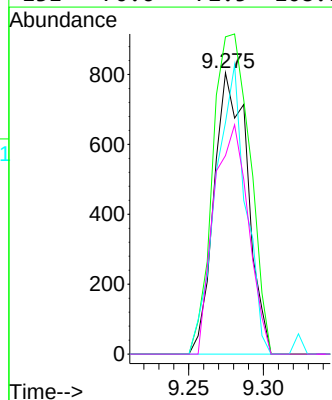
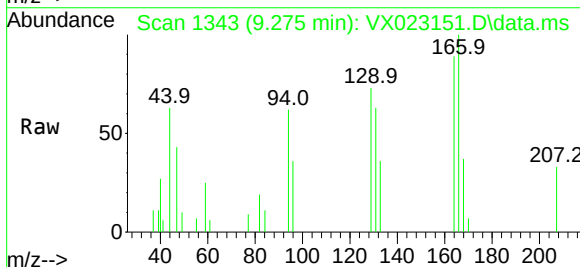
Instrument :
MSVOA_X
ClientSampled :

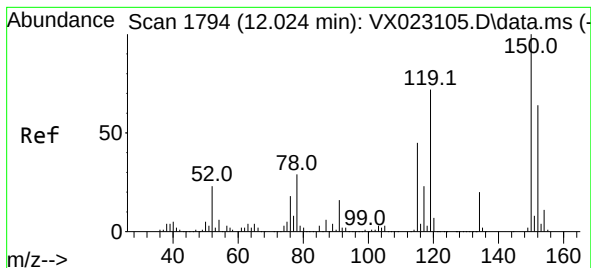
Tgt Ion:117 Resp: 404400
Ion Ratio Lower Upper
117 100
82 54.7 47.4 71.2
119 32.3 26.6 39.8



#64
Tetrachloroethene
Concen: 0.388 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

Tgt Ion:164 Resp: 1251
Ion Ratio Lower Upper
164 100
166 112.8 103.4 155.2
129 82.4 70.8 106.2
131 70.6 72.5 108.7#

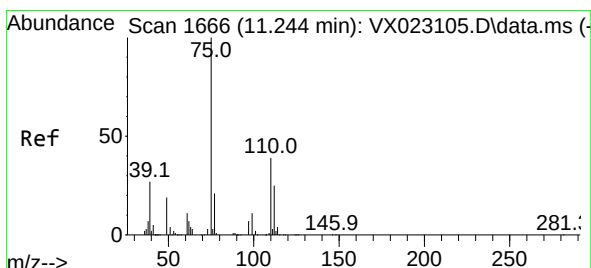
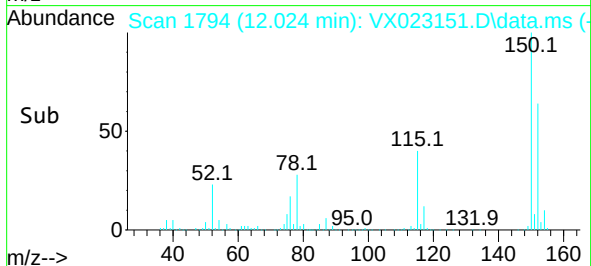
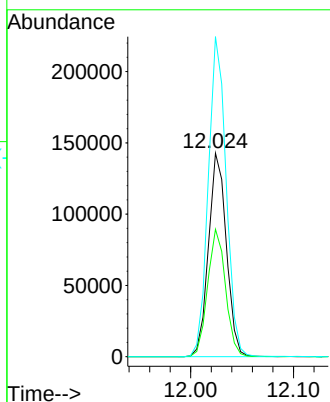
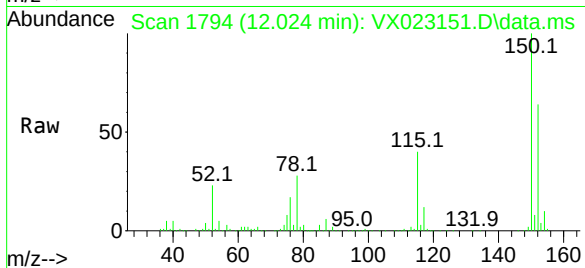




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023151.D
 Acq: 06 Jul 2021 17:16

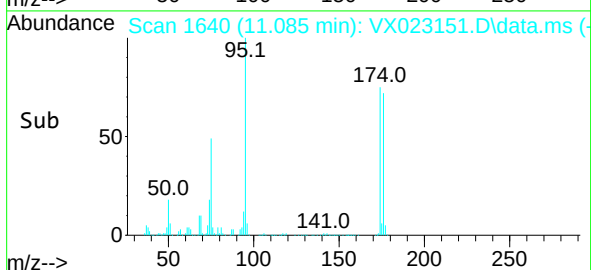
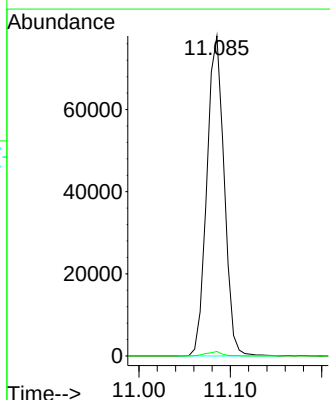
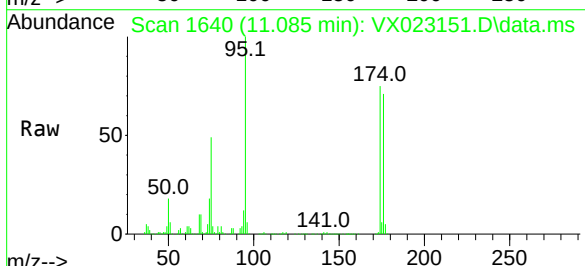
Instrument :
 MSVOA_X
 ClientSampled :

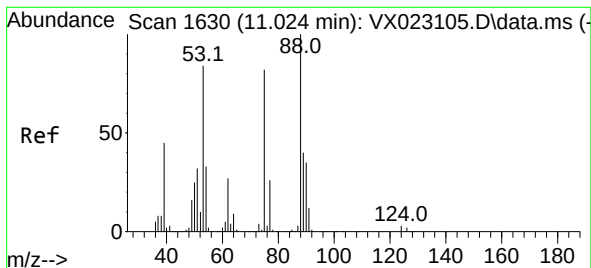
Tgt Ion:152 Resp: 173105
 Ion Ratio Lower Upper
 152 100
 115 62.6 41.1 123.3
 150 156.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.323 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023151.D
 Acq: 06 Jul 2021 17:16

Tgt Ion: 75 Resp: 102145
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

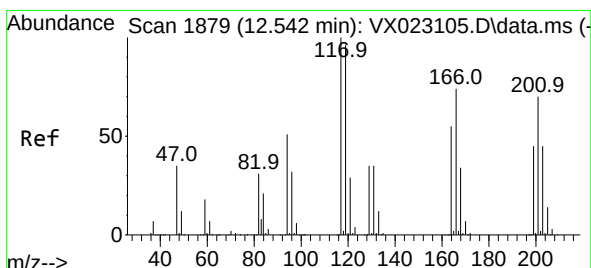
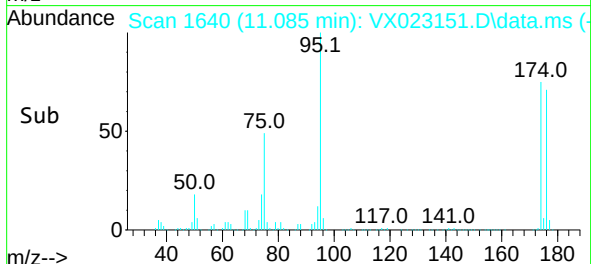
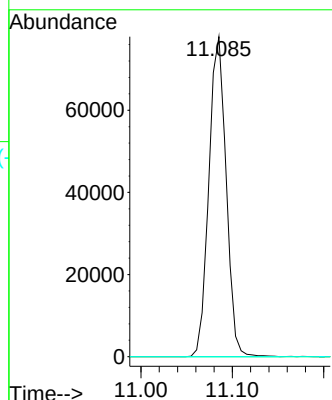
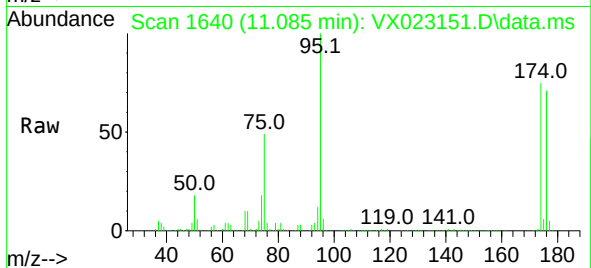




#81
trans-1,4-Dichloro-2-butene
Concen: 78.840 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

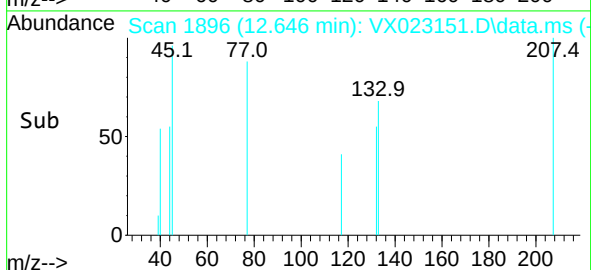
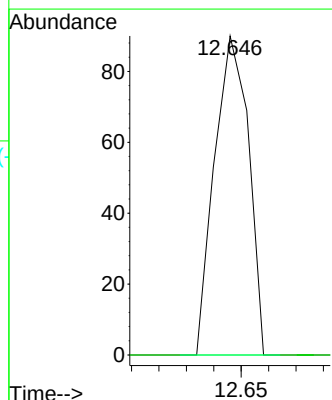
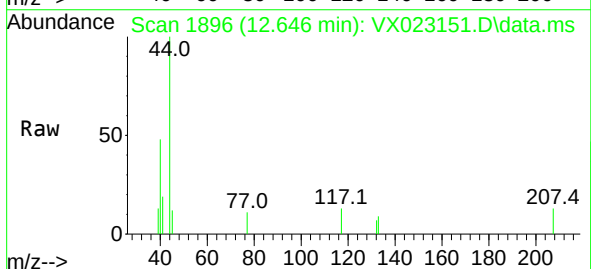
Instrument :
MSVOA_X
ClientSampleId :

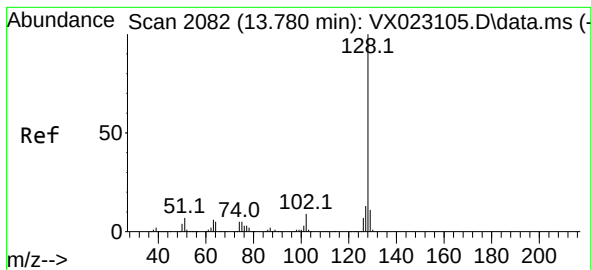
Tgt Ion: 75 Resp: 102145
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 3.035 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.104 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

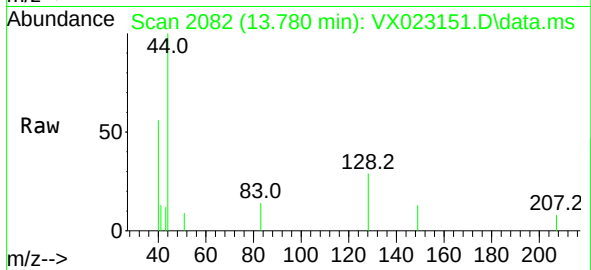
Tgt Ion: 117 Resp: 78
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.292 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023151.D
Acq: 06 Jul 2021 17:16

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	222
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

