

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022920.D
 Acq On : 25 Jun 2021 14:05
 Operator : JC/MD
 Sample : M2838-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 26 03:53:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

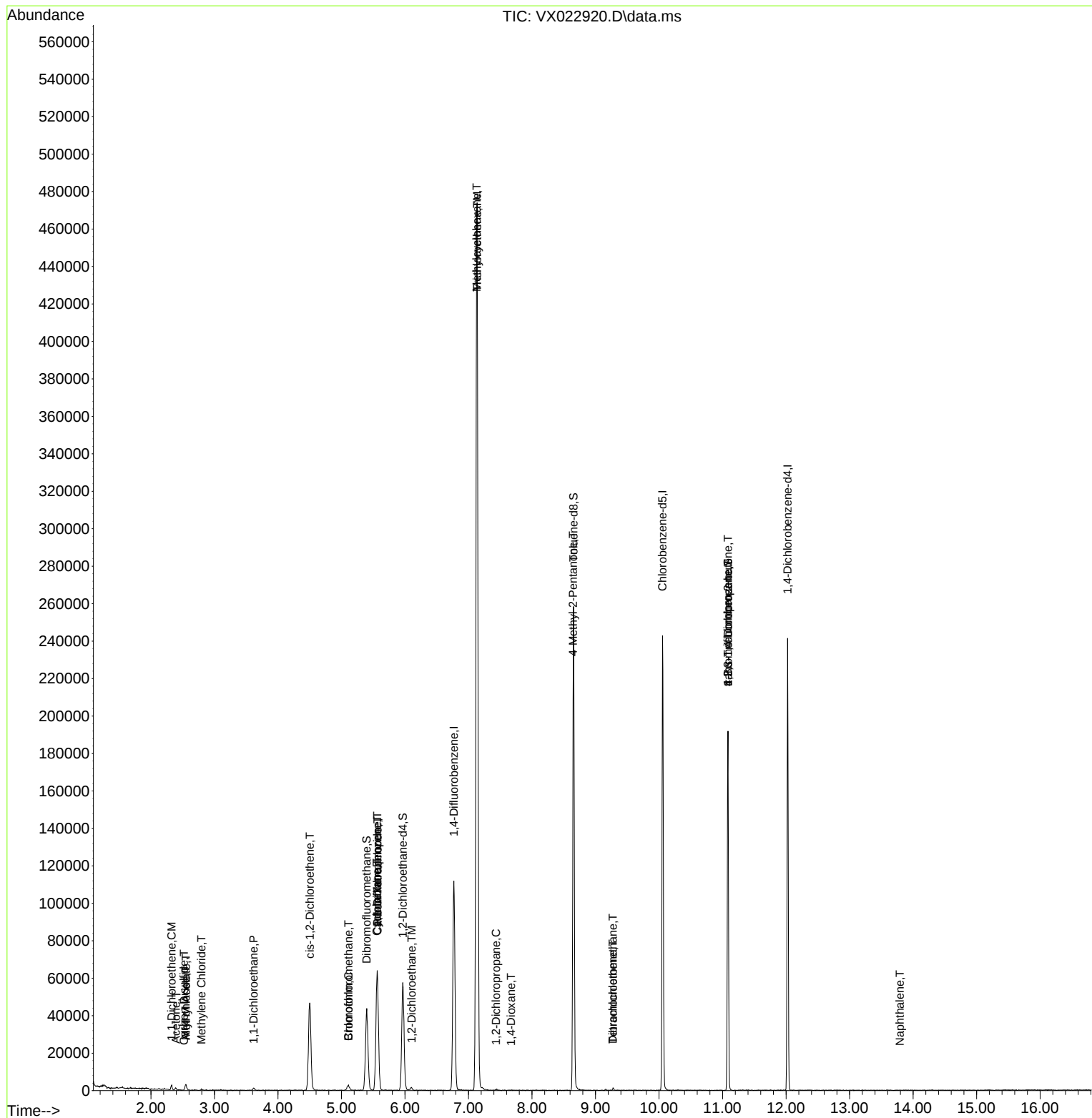
Internal Standards						
1) Pentafluorobenzene	5.562	168	52390	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	107538	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41448	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50151	52.75	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.50%			
35) Dibromofluoromethane	5.397	113	35898	52.57	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.14%			
50) Toluene-d8	8.653	98	144878	54.13	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.26%			
62) 4-Bromofluorobenzene	11.085	95	51316	51.38	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.76%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.325	96	775	1.14	ug/l #	63
14) Allyl chloride	2.544	41	476	0.37	ug/l #	53
16) Acetone	2.392	43	1354	3.21	ug/l #	71
17) Carbon Disulfide	2.520	76	122	3.58	ug/l #	75
18) Methyl Acetate	2.550	43	1092	1.05	ug/l #	47
20) Methylene Chloride	2.794	84	285	0.71	ug/l #	65
24) 1,1-Dichloroethane	3.617	63	1422	0.99	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	27624	33.01	ug/l	97
28) Bromochloromethane	5.111	49	144	0.21	ug/l #	9
30) Chloroform	5.111	83	2986	2.07	ug/l	98
31) Cyclohexane	5.556	56	1841	1.37	ug/l #	44
36) 1,1-Dichloropropene	5.562	75	5268	4.61	ug/l #	44
38) Carbon Tetrachloride	5.568	117	6296	6.57	ug/l #	18
39) Methylcyclohexane	7.129	83	2445	1.84	ug/l #	1
42) 1,2-Dichloroethane	6.104	62	1675	1.38	ug/l	77
44) Trichloroethene	7.135	130	162383	207.89	ug/l	92
45) 1,2-Dichloropropane	7.433	63	184	0.22	ug/l #	43
49) 1,4-Dioxane	7.671	88	38	1.79	ug/l #	1
51) 4-Methyl-2-Pentanone	8.647	43	847	0.64	ug/l #	1
60) Dibromochloromethane	9.275	129	183	3.87	ug/l #	11
64) Tetrachloroethene	9.275	164	154	0.22	ug/l #	78
76) 1,2,3-Trichloropropane	11.085	75	28620	26.14	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	28620	67.93	ug/l #	12
95) Naphthalene	13.792	128	23	1.93	ug/l #	69

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

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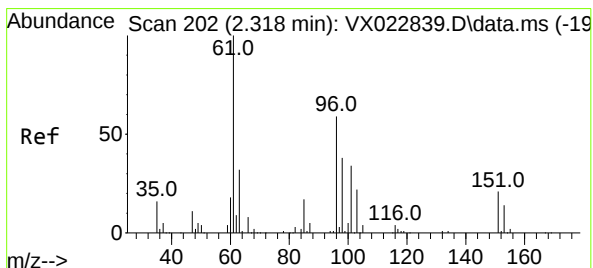
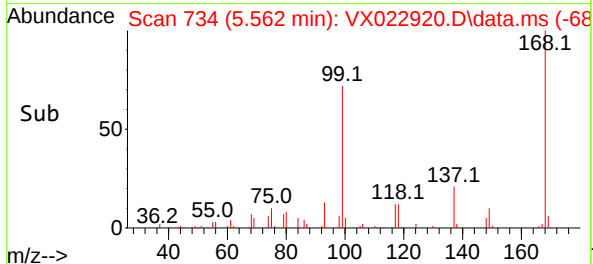
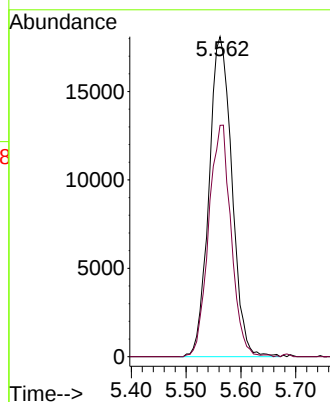
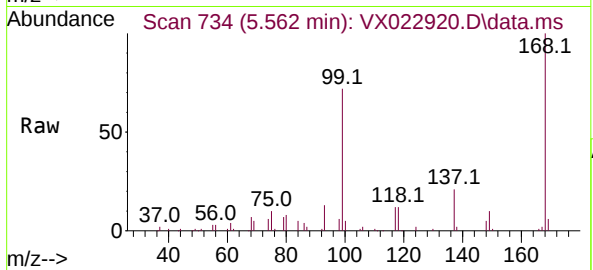




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022920.D
Acq: 25 Jun 2021 14:05

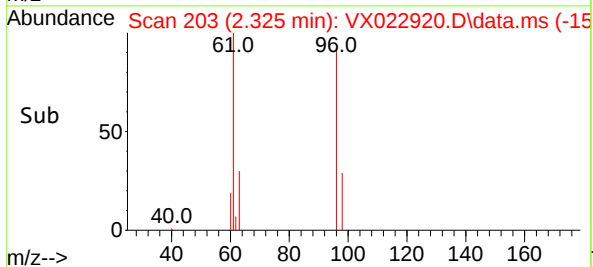
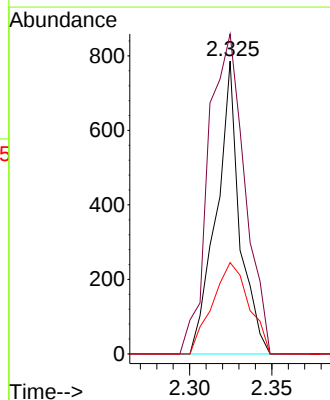
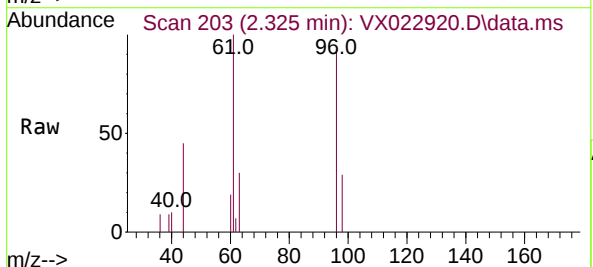
Instrument :
MSVOA_X
ClientSampleId :

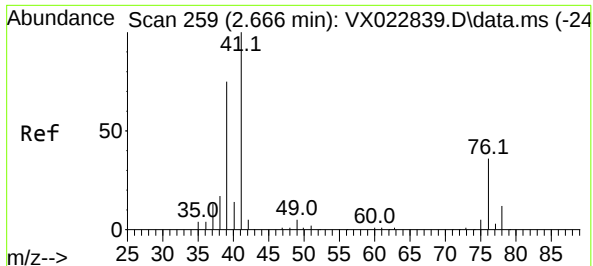
Tgt Ion:168 Resp: 52390
Ion Ratio Lower Upper
168 100
99 72.3 45.8 68.6#



#12
1,1-Dichloroethene
Concen: 1.14 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX022920.D
Acq: 25 Jun 2021 14:05

Tgt Ion: 96 Resp: 775
Ion Ratio Lower Upper
96 100
61 109.3 124.6 187.0#
98 31.2 50.6 76.0#





#14

Allyl chloride

Concen: 0.37 ug/l

RT: 2.544 min Scan# 239

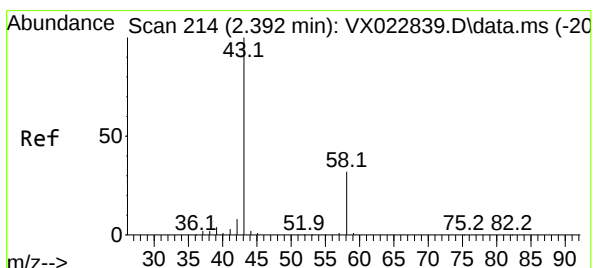
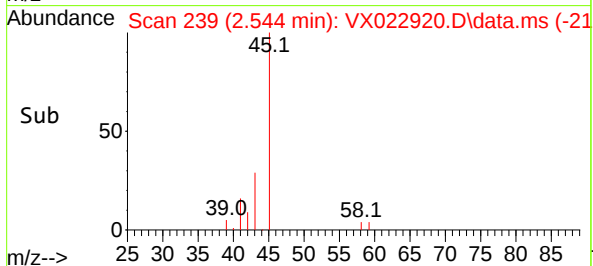
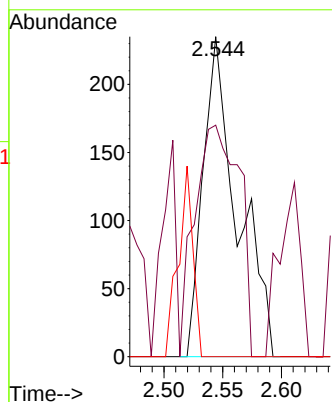
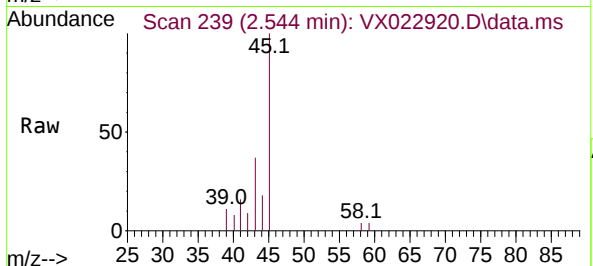
Delta R.T. -0.122 min

Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

Tgt Ion: 41	Resp: 476
Ion Ratio	Lower Upper
41 100	
39 94.1	51.6 77.4#
76 0.0	30.5 45.7#

Instrument :
MSVOA_X
ClientSampleId :



#16

Acetone

Concen: 3.21 ug/l

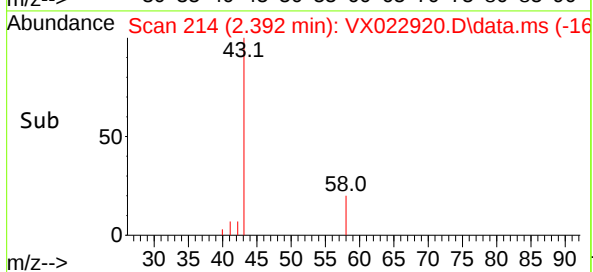
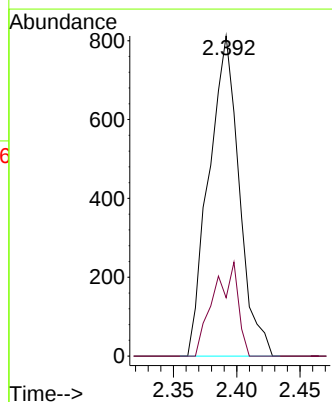
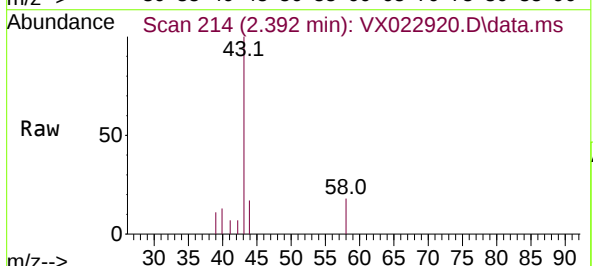
RT: 2.392 min Scan# 214

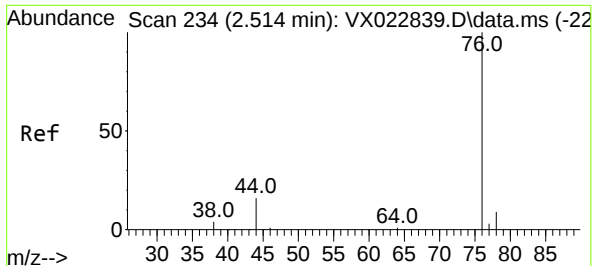
Delta R.T. -0.000 min

Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

Tgt Ion: 43	Resp: 1354
Ion Ratio	Lower Upper
43 100	
58 18.2	27.8 41.8#

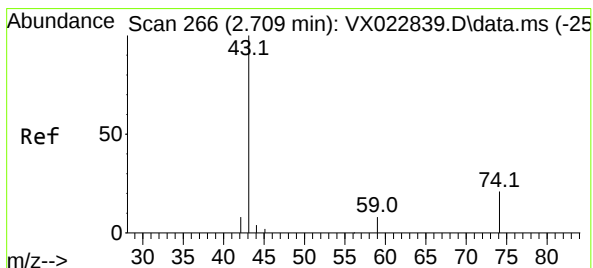
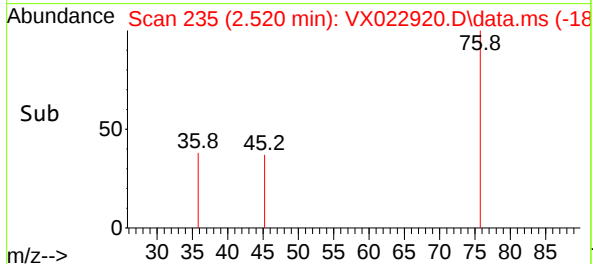
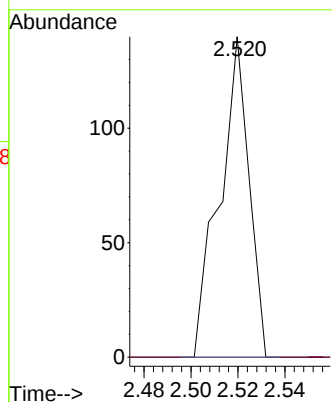
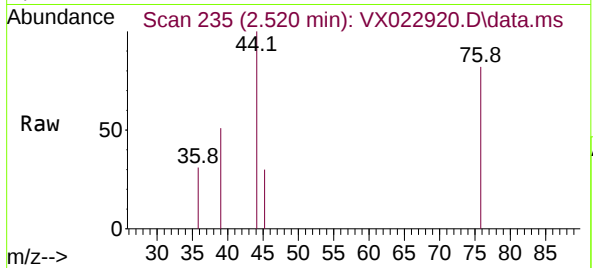




#17
Carbon Disulfide
Concen: 3.58 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022920.D
Acq: 25 Jun 2021 14:05

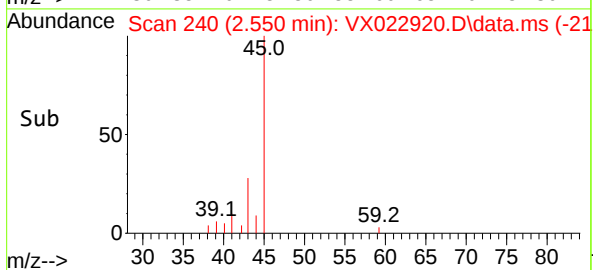
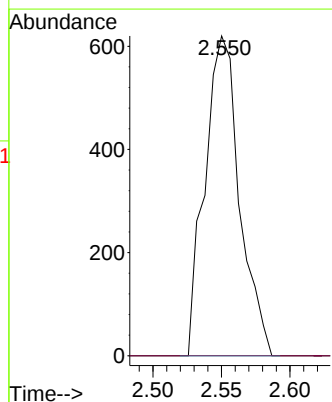
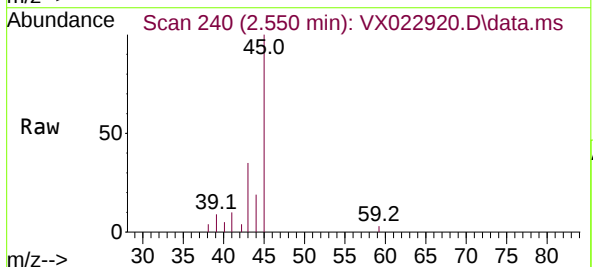
Instrument :
MSVOA_X
ClientSampled :

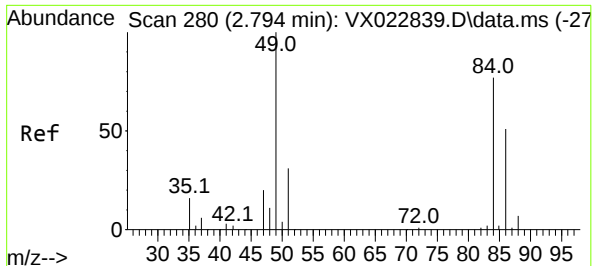
Tgt Ion: 76 Resp: 122
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.05 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.159 min
Lab File: VX022920.D
Acq: 25 Jun 2021 14:05

Tgt Ion: 43 Resp: 1092
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.71 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

Tgt Ion: 84 Resp: 285

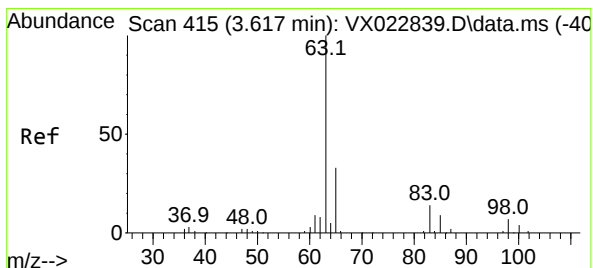
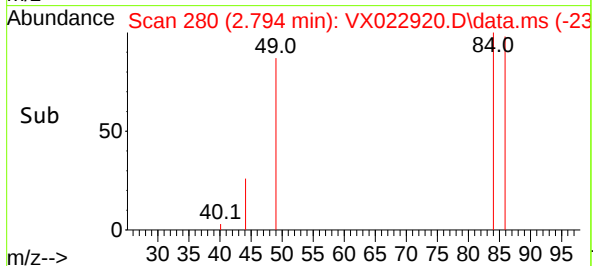
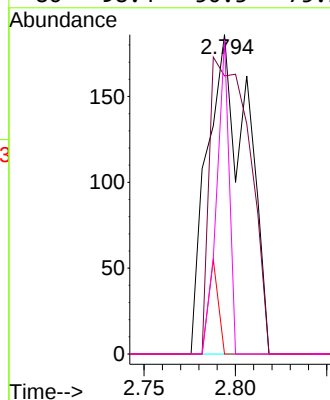
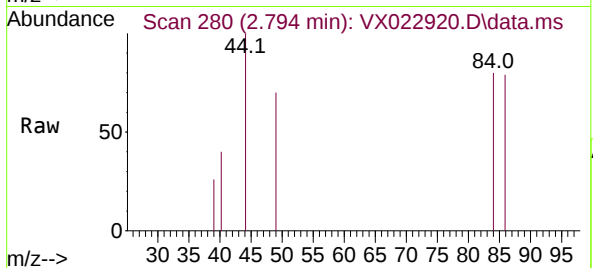
Ion Ratio Lower Upper

84 100

49 87.1 88.6 132.8#

51 0.0 27.0 40.6#

86 98.4 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 0.99 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.000 min

Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

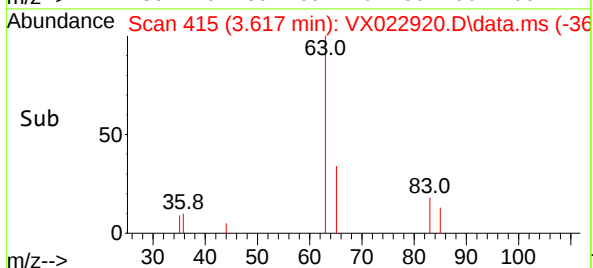
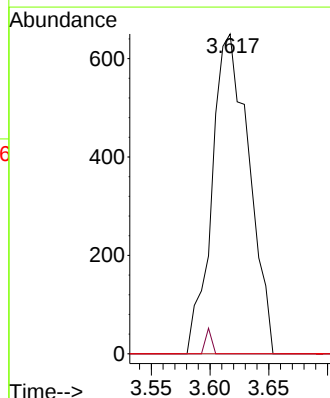
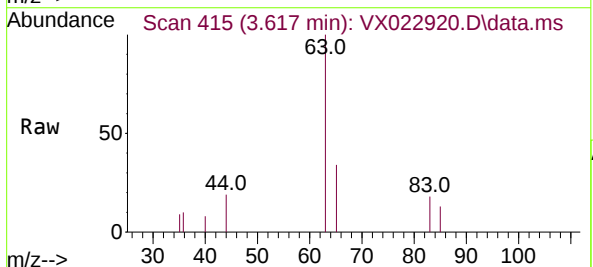
Tgt Ion: 63 Resp: 1422

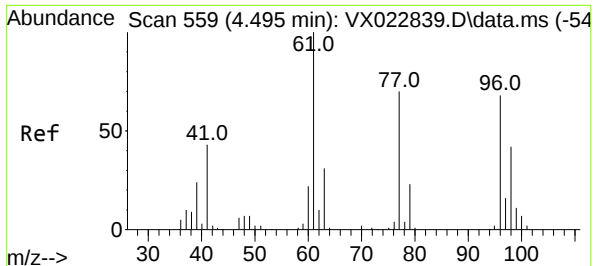
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 33.01 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

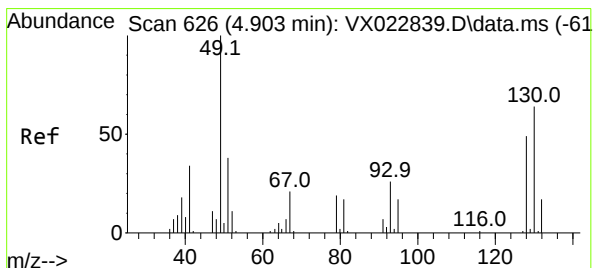
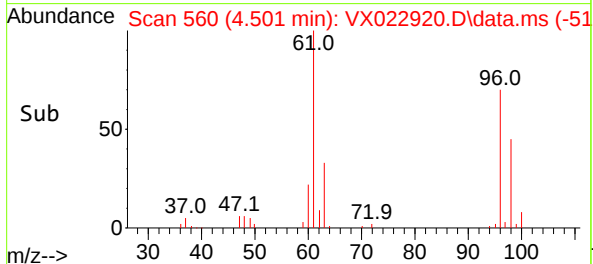
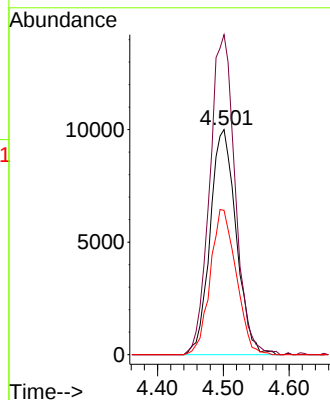
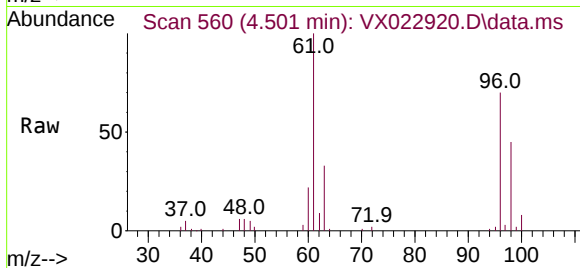
Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

Tgt Ion: 96 Resp: 27624

Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	285.6
98	63.9	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :



#28

Bromochloromethane

Concen: 0.21 ug/l

RT: 5.111 min Scan# 660

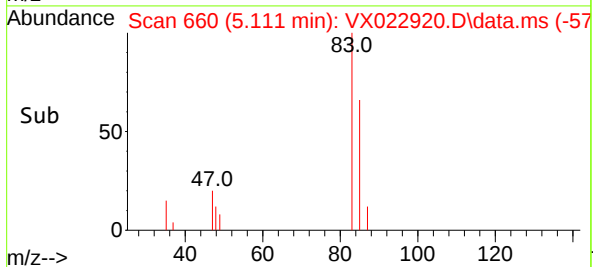
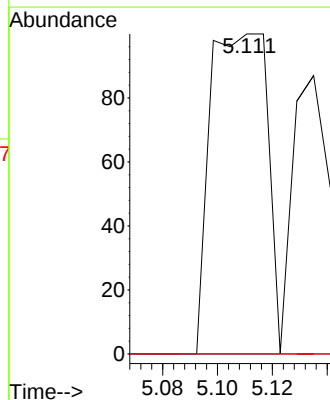
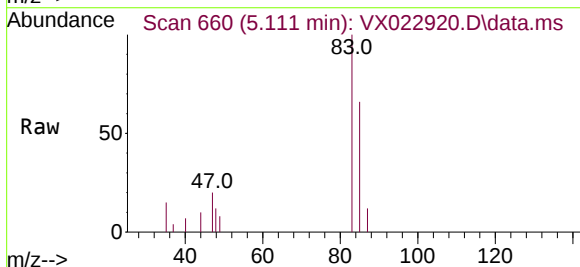
Delta R.T. 0.208 min

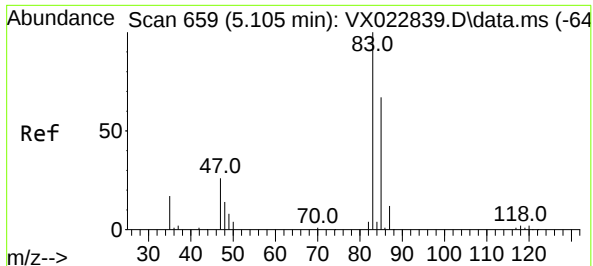
Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

Tgt Ion: 49 Resp: 144

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2#





#30

Chloroform

Concen: 2.07 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.006 min

Lab File: VX022920.D

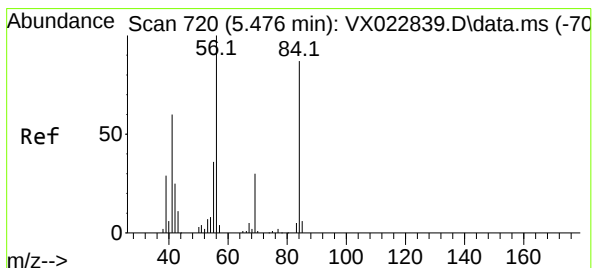
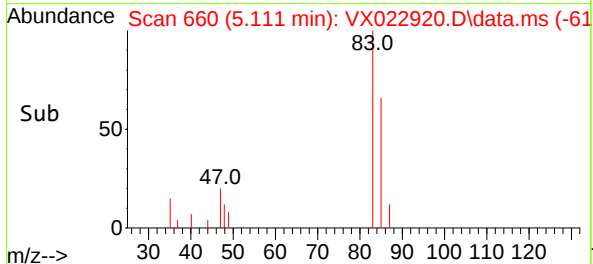
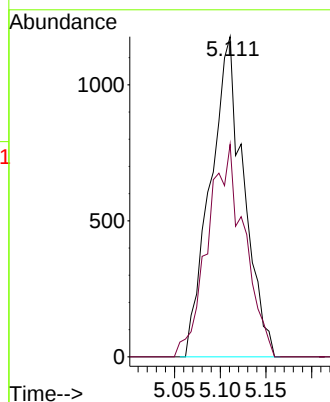
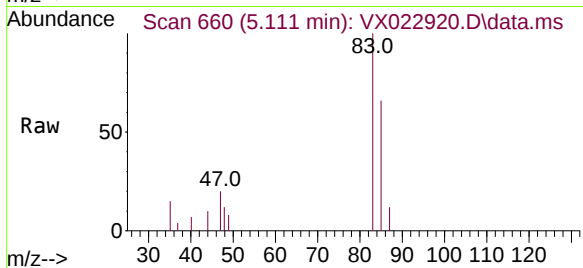
Acq: 25 Jun 2021 14:05

Tgt Ion: 83 Resp: 2986

Ion Ratio Lower Upper

83 100

85 66.4 52.0 78.0



#31

Cyclohexane

Concen: 1.37 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.080 min

Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

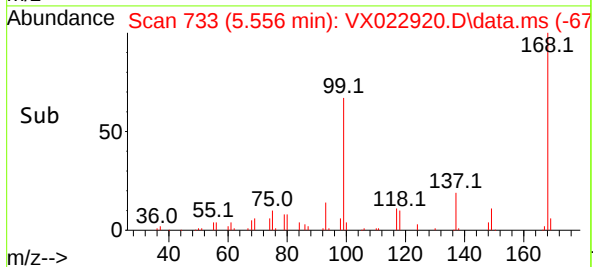
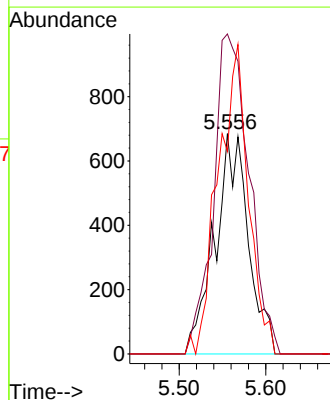
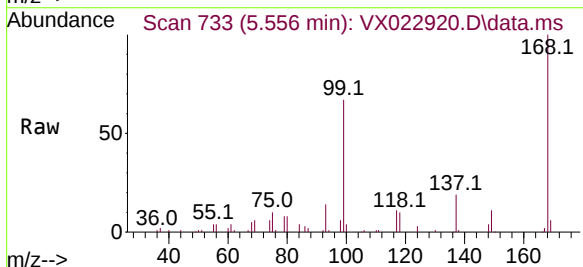
Tgt Ion: 56 Resp: 1841

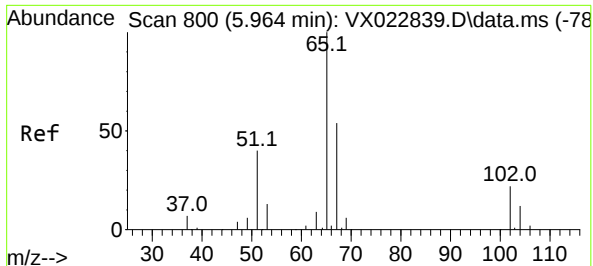
Ion Ratio Lower Upper

56 100

69 145.3 25.3 37.9#

84 92.0 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 52.75 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

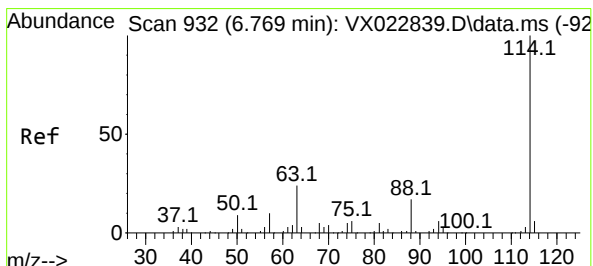
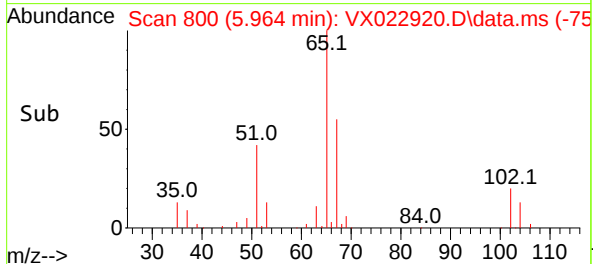
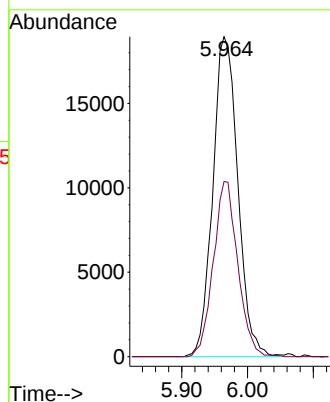
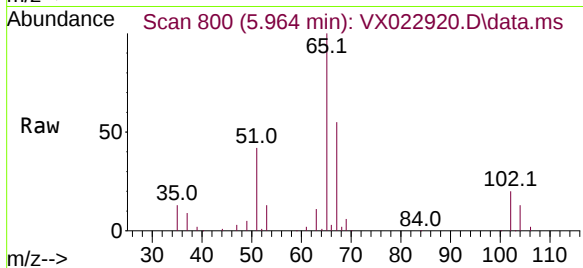
Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

Tgt Ion: 65 Resp: 50151

Ion Ratio Lower Upper

65	100		
67	53.6	0.0	105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

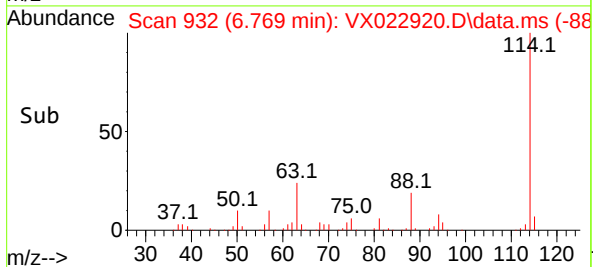
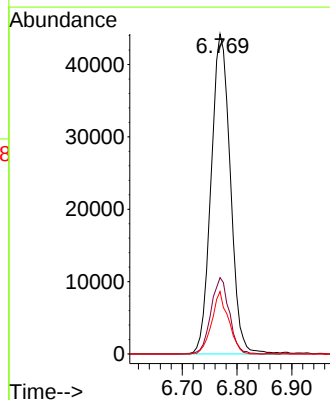
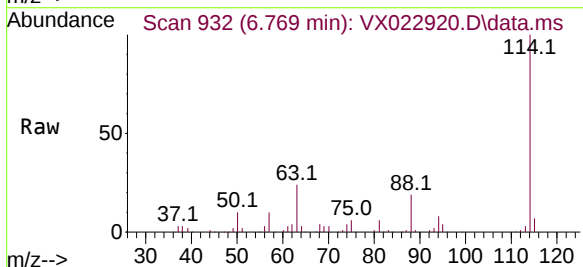
Lab File: VX022920.D

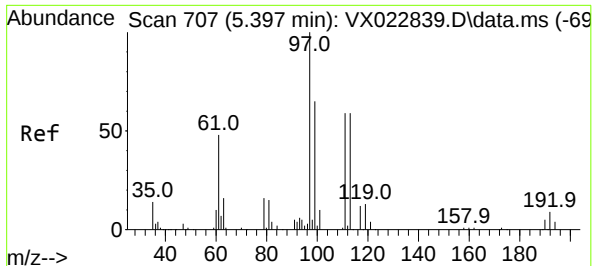
Acq: 25 Jun 2021 14:05

Tgt Ion: 114 Resp: 107538

Ion Ratio Lower Upper

114	100		
63	23.8	0.0	40.8
88	19.5	0.0	32.8





#35

Dibromofluoromethane

Concen: 52.57 ug/l

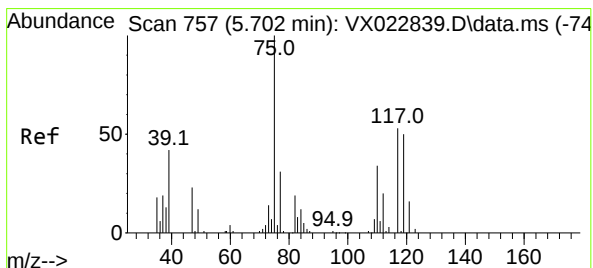
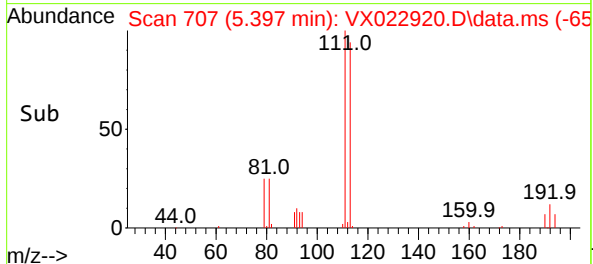
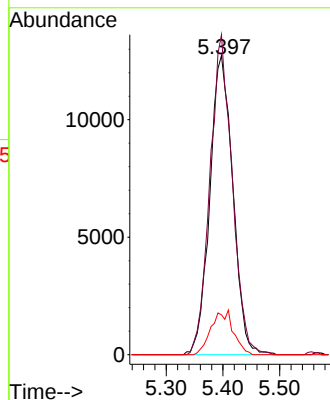
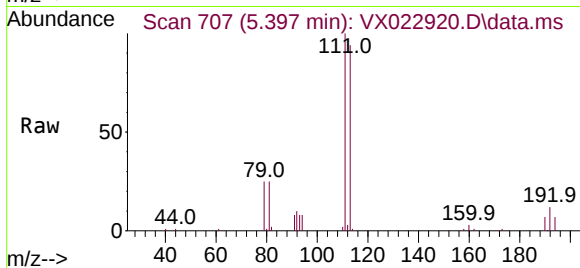
RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

Tgt Ion:	113	Resp:	35898
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.9	122.9
192	14.2	16.7	25.1#



#36

1,1-Dichloropropene

Concen: 4.61 ug/l

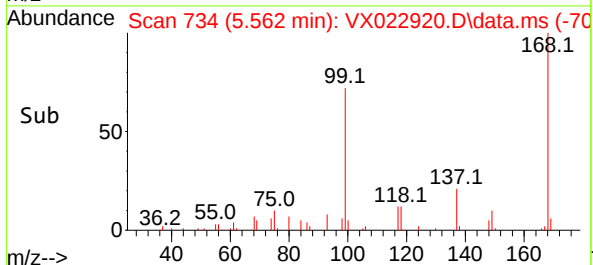
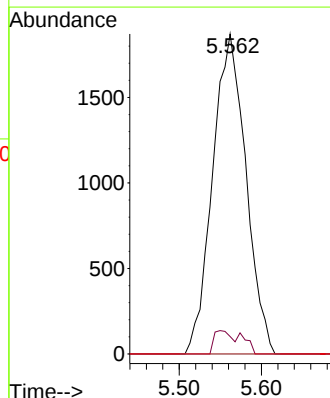
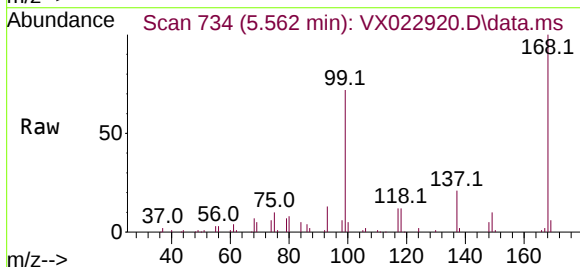
RT: 5.562 min Scan# 734

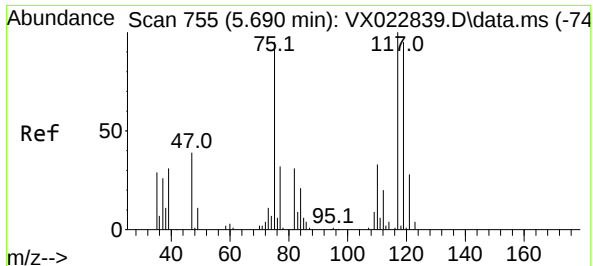
Delta R.T. -0.140 min

Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

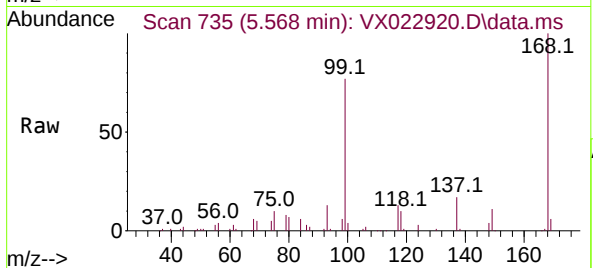
Tgt Ion:	75	Resp:	5268
Ion	Ratio	Lower	Upper
75	100		
110	4.0	18.1	54.4#
77	0.0	25.3	37.9#



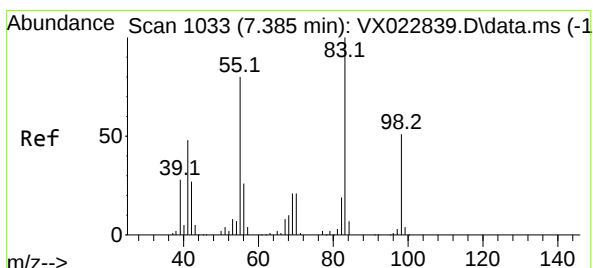
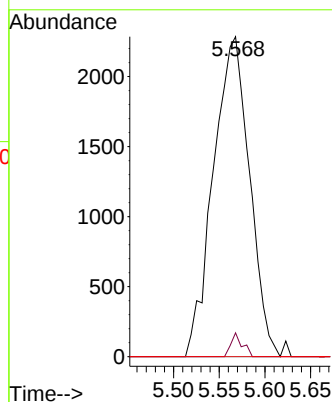
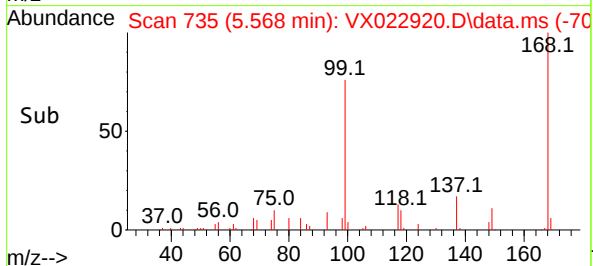


#38
Carbon Tetrachloride
Concen: 6.57 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX022920.D
Acq: 25 Jun 2021 14:05

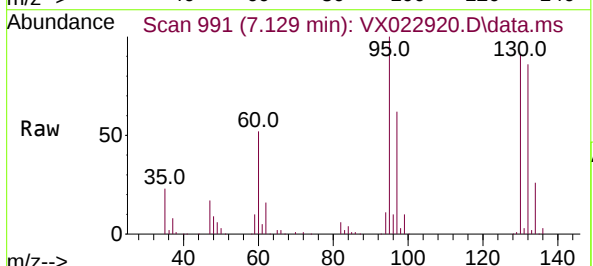
Instrument :
MSVOA_X
ClientSampleId :



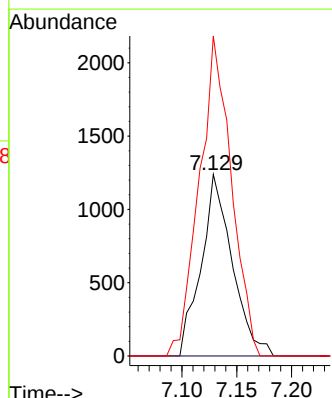
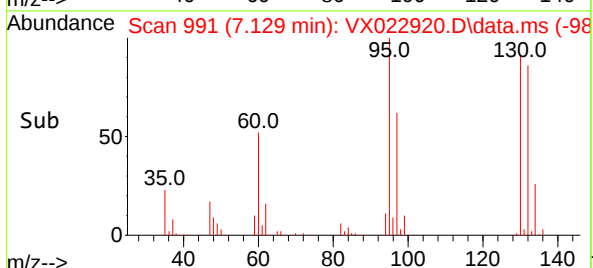
Tgt Ion:117 Resp: 6296
Ion Ratio Lower Upper
117 100
119 7.4 76.2 114.2#
121 0.0 24.8 37.2#

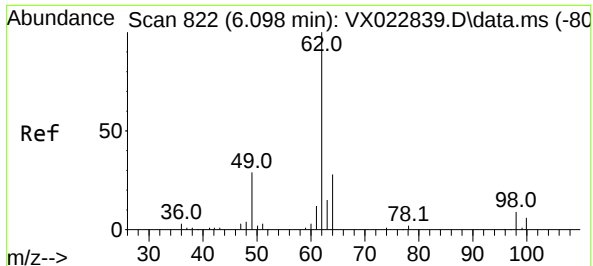


#39
Methylcyclohexane
Concen: 1.84 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX022920.D
Acq: 25 Jun 2021 14:05



Tgt Ion: 83 Resp: 2445
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 176.2 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 1.38 ug/l

RT: 6.104 min Scan# 823

Delta R.T. 0.006 min

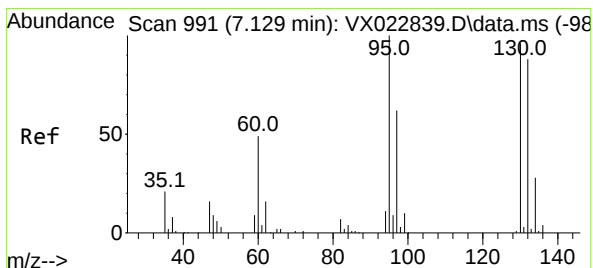
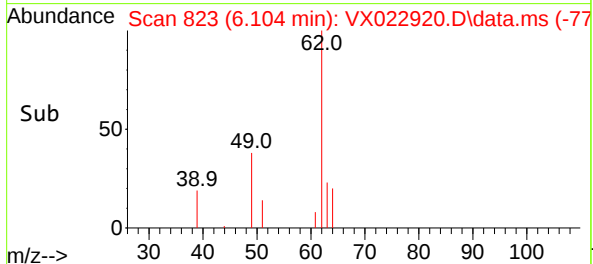
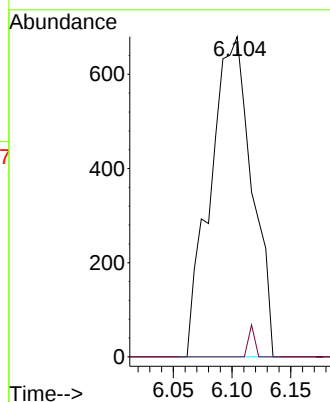
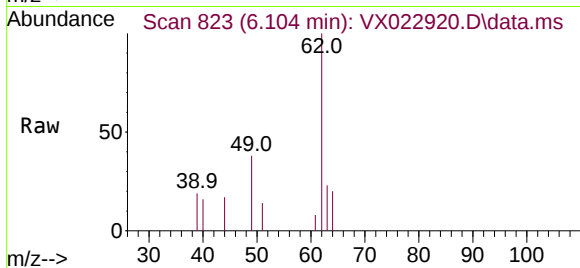
Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

Tgt Ion: 62 Resp: 1675

Ion Ratio Lower Upper

62 100
98 1.5 0.0 20.2



#44

Trichloroethene

Concen: 207.89 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

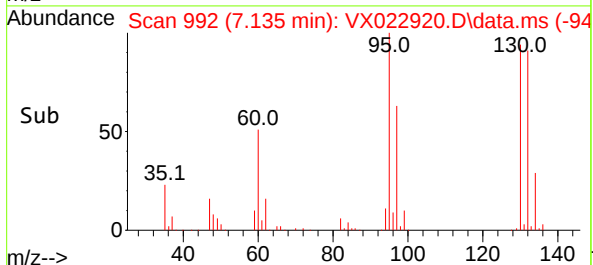
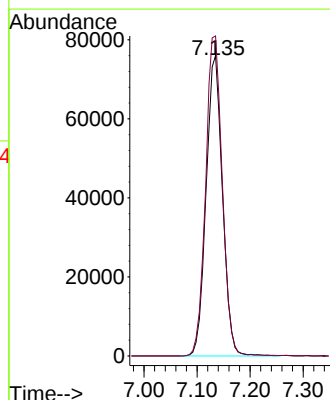
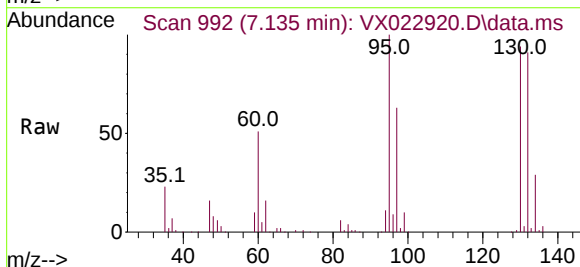
Lab File: VX022920.D

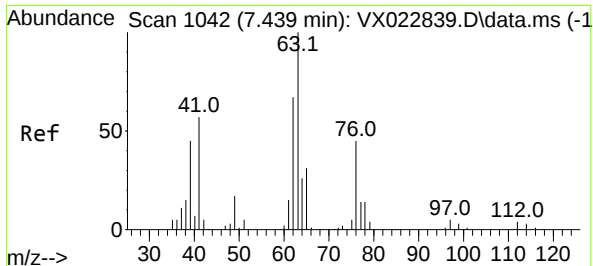
Acq: 25 Jun 2021 14:05

Tgt Ion: 130 Resp: 162383

Ion Ratio Lower Upper

130 100
95 106.5 0.0 198.0





#45

1,2-Dichloropropane

Concen: 0.22 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. -0.006 min

Lab File: VX022920.D

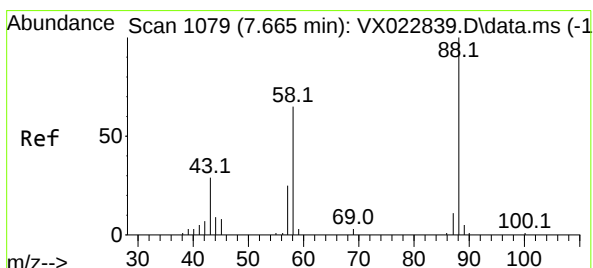
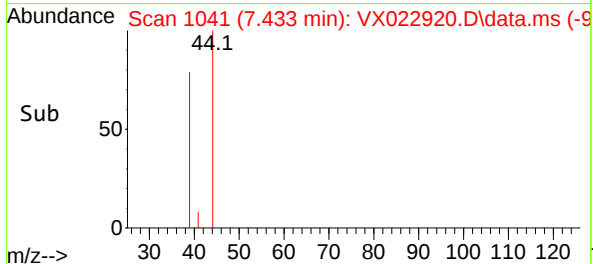
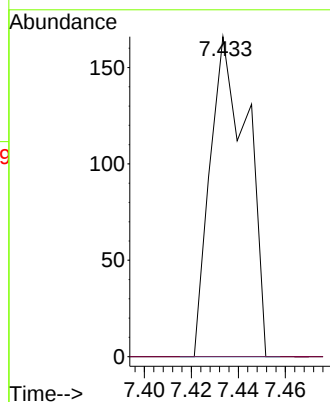
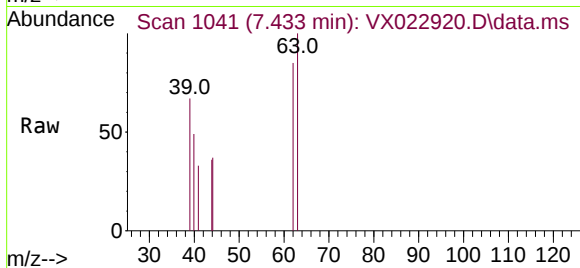
Acq: 25 Jun 2021 14:05

Tgt Ion: 63 Resp: 184

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#49

1,4-Dioxane

Concen: 1.79 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

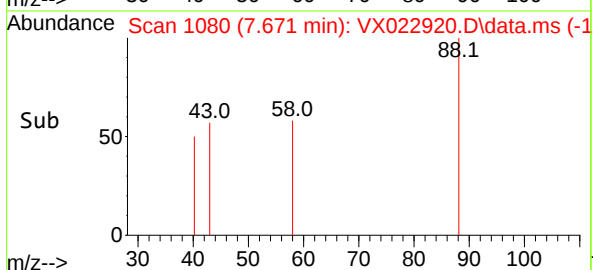
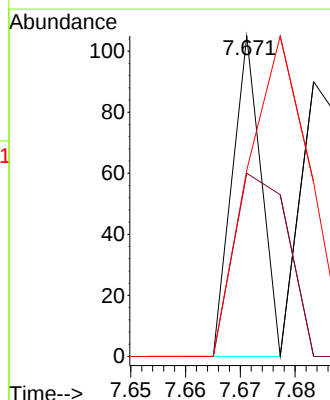
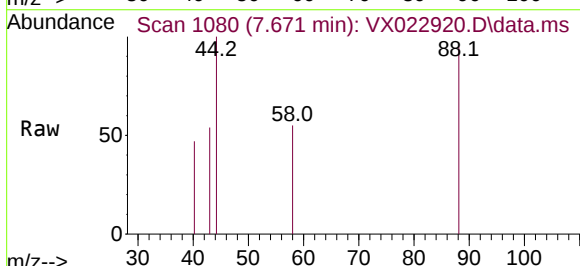
Tgt Ion: 88 Resp: 38

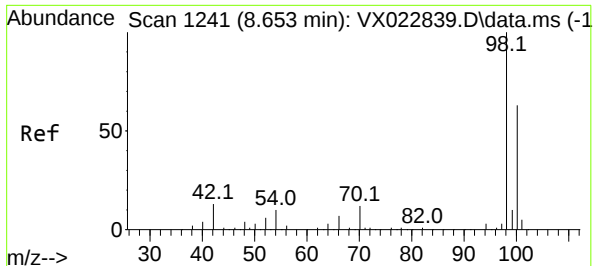
Ion Ratio Lower Upper

88 100

43 107.9 23.2 34.8#

58 0.0 55.0 82.4#

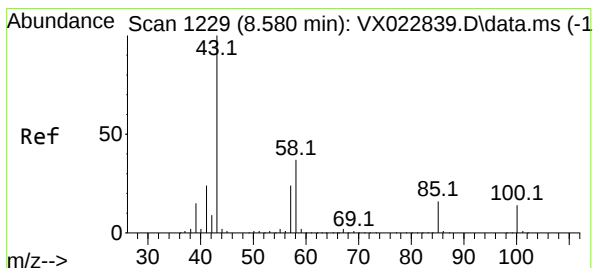
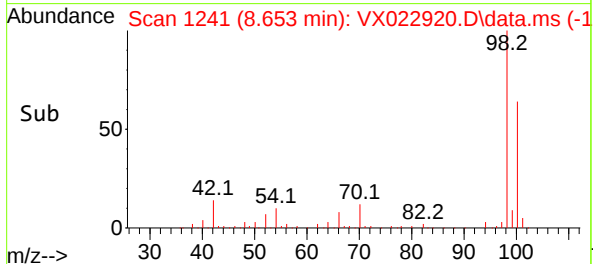
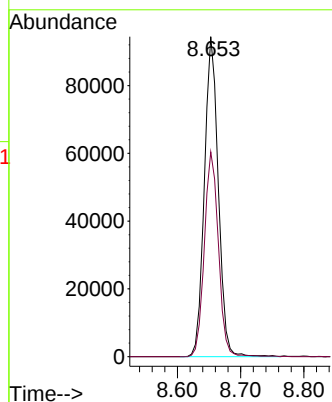
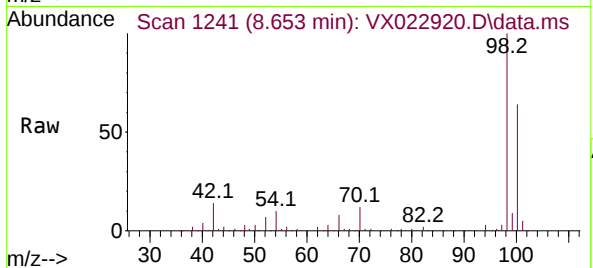




#50
Toluene-d8
Concen: 54.13 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022920.D
Acq: 25 Jun 2021 14:05

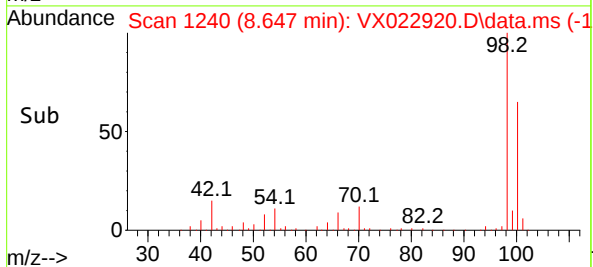
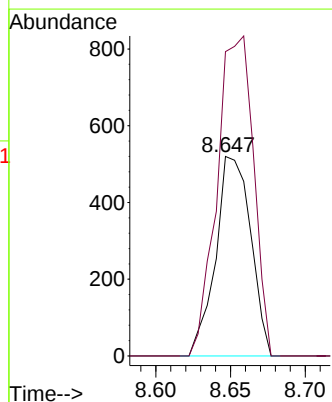
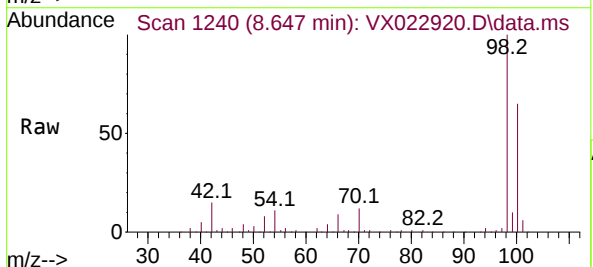
Instrument :
MSVOA_X
ClientSampled :

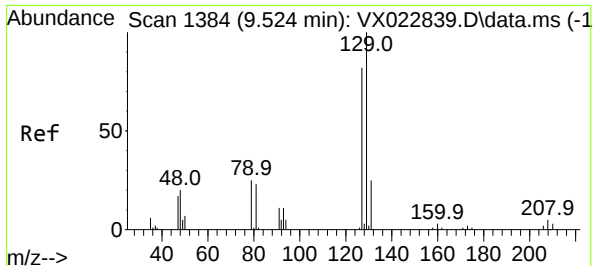
Tgt Ion: 98 Resp: 144878
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.64 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX022920.D
Acq: 25 Jun 2021 14:05

Tgt Ion: 43 Resp: 847
Ion Ratio Lower Upper
43 100
58 166.9 35.4 53.0#





#60

Dibromochloromethane

Concen: 3.87 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.249 min

Lab File: VX022920.D

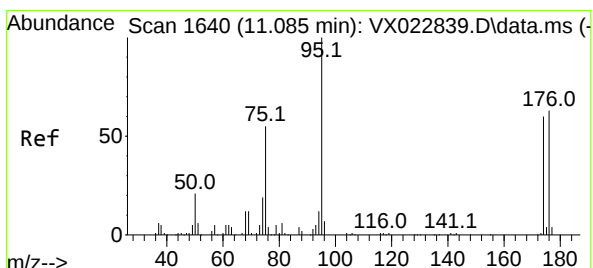
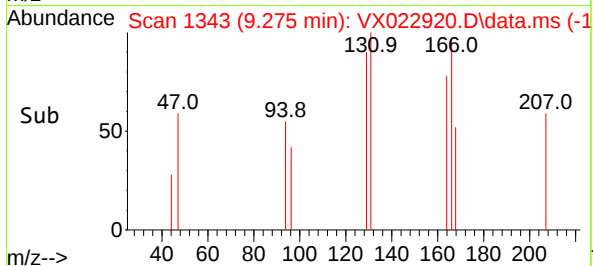
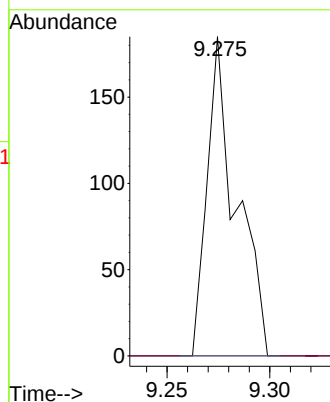
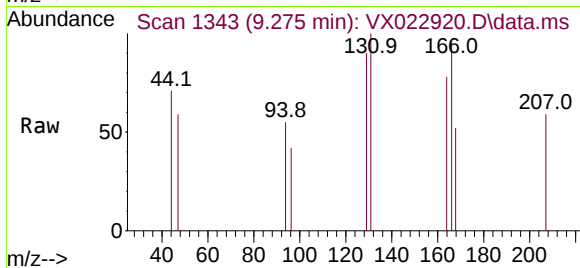
Acq: 25 Jun 2021 14:05

Tgt Ion:129 Resp: 183

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 51.38 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX022920.D

Acq: 25 Jun 2021 14:05

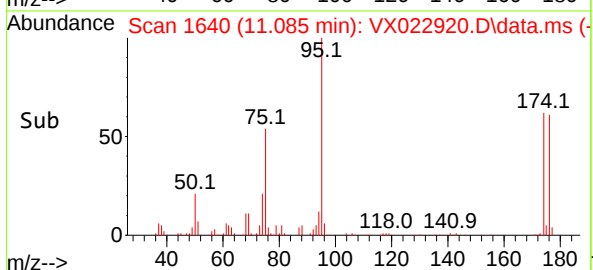
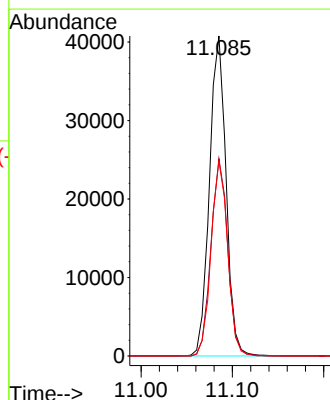
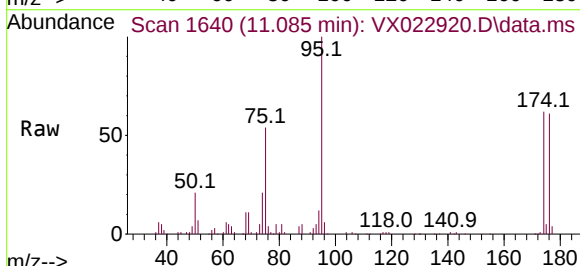
Tgt Ion: 95 Resp: 51316

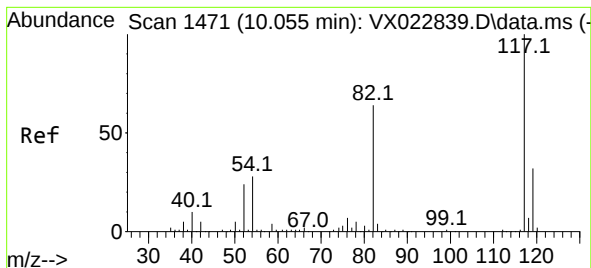
Ion Ratio Lower Upper

95 100

174 62.2 0.0 154.6

176 60.8 0.0 155.8

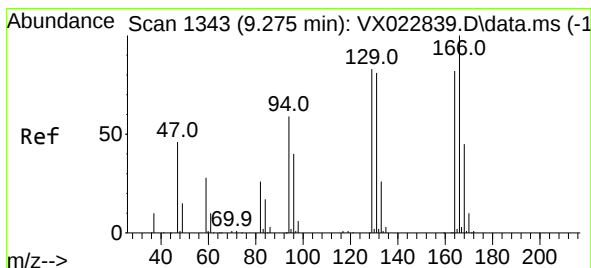
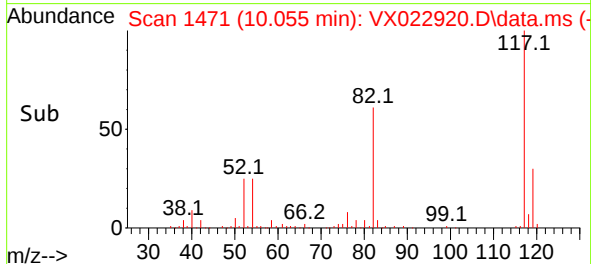
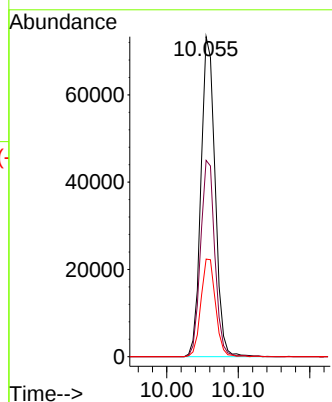
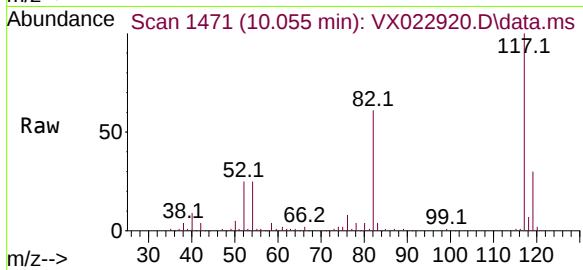




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX022920.D
Acq: 25 Jun 2021 14:05

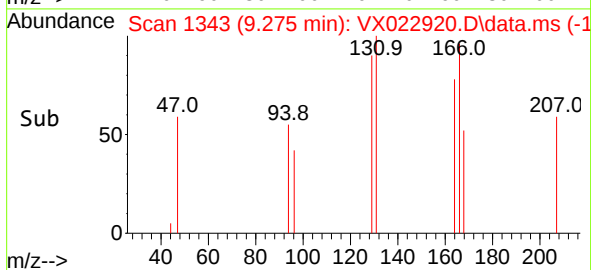
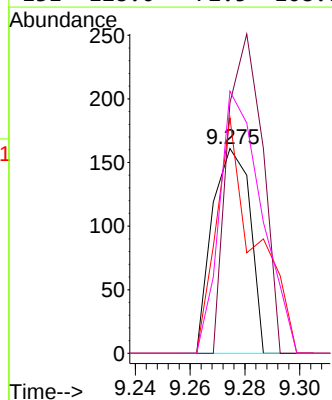
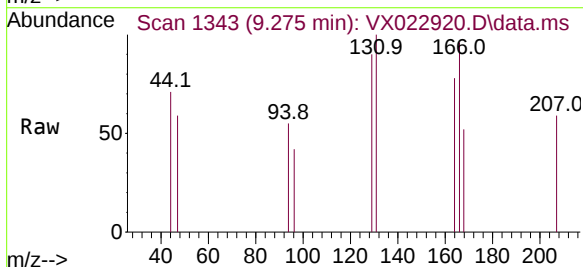
Instrument :
MSVOA_X
ClientSampled :

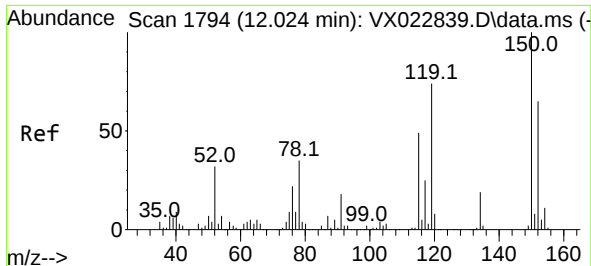
Tgt Ion:117 Resp: 100517
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.2
119 30.5 26.6 39.8



#64
Tetrachloroethene
Concen: 0.22 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX022920.D
Acq: 25 Jun 2021 14:05

Tgt Ion:164 Resp: 154
Ion Ratio Lower Upper
164 100
166 122.4 103.4 155.2
129 114.9 70.8 106.2#
131 128.0 72.5 108.7#

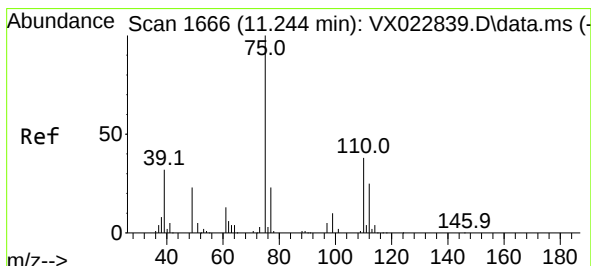
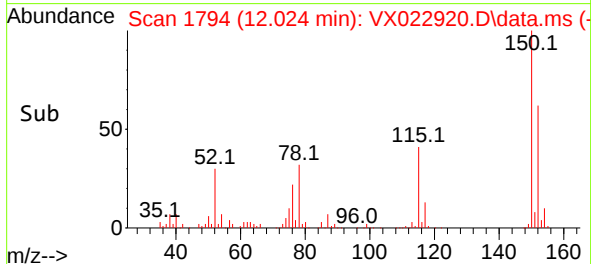
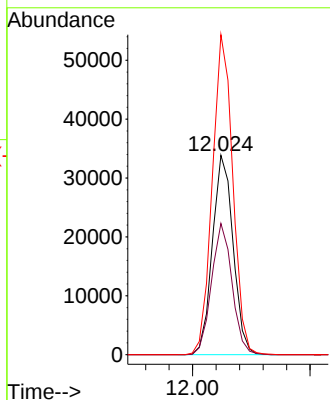
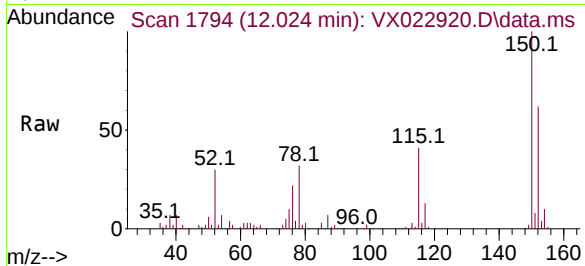




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022920.D
 Acq: 25 Jun 2021 14:05

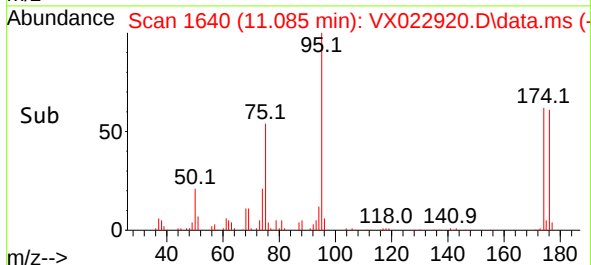
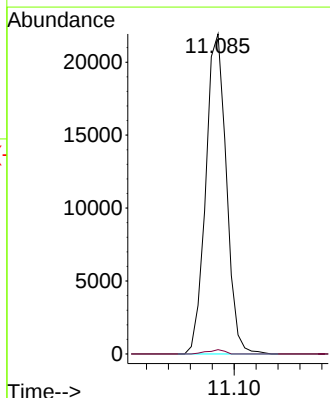
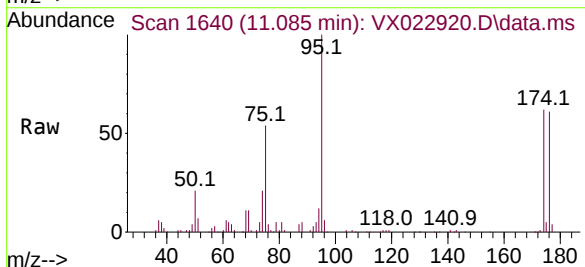
Instrument :
 MSVOA_X
 ClientSampled :

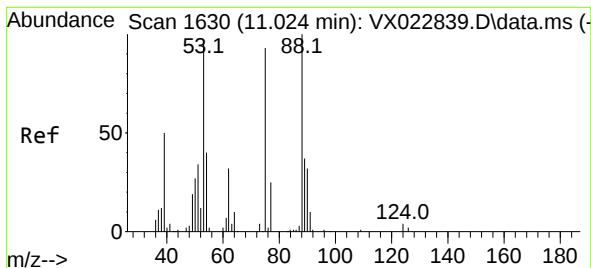
Tgt Ion:152 Resp: 41448
 Ion Ratio Lower Upper
 152 100
 115 65.3 41.1 123.3
 150 158.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.14 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX022920.D
 Acq: 25 Jun 2021 14:05

Tgt Ion: 75 Resp: 28620
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

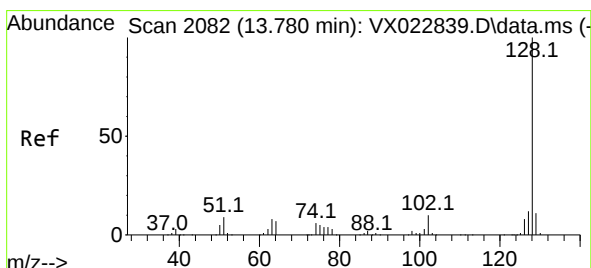
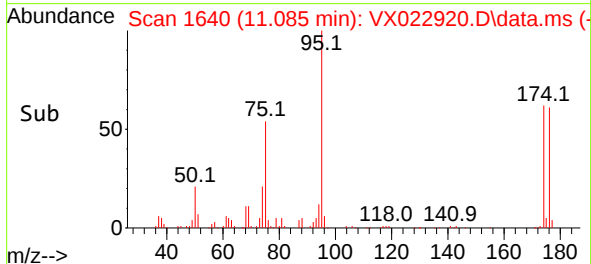
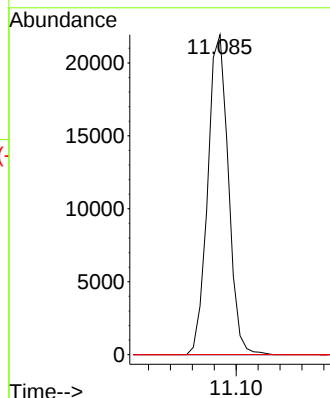
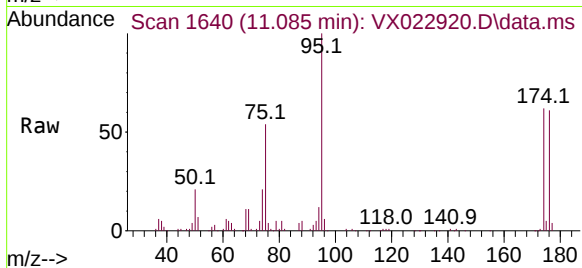




#81
trans-1,4-Dichloro-2-butene
Concen: 67.93 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022920.D
Acq: 25 Jun 2021 14:05

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 28620
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.93 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.012 min
Lab File: VX022920.D
Acq: 25 Jun 2021 14:05

Tgt Ion: 128 Resp: 23
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

