

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021462.D
 Acq On : 25 Mar 2021 02:35
 Operator : JC/MD
 Sample : M1770-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 25 06:54:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

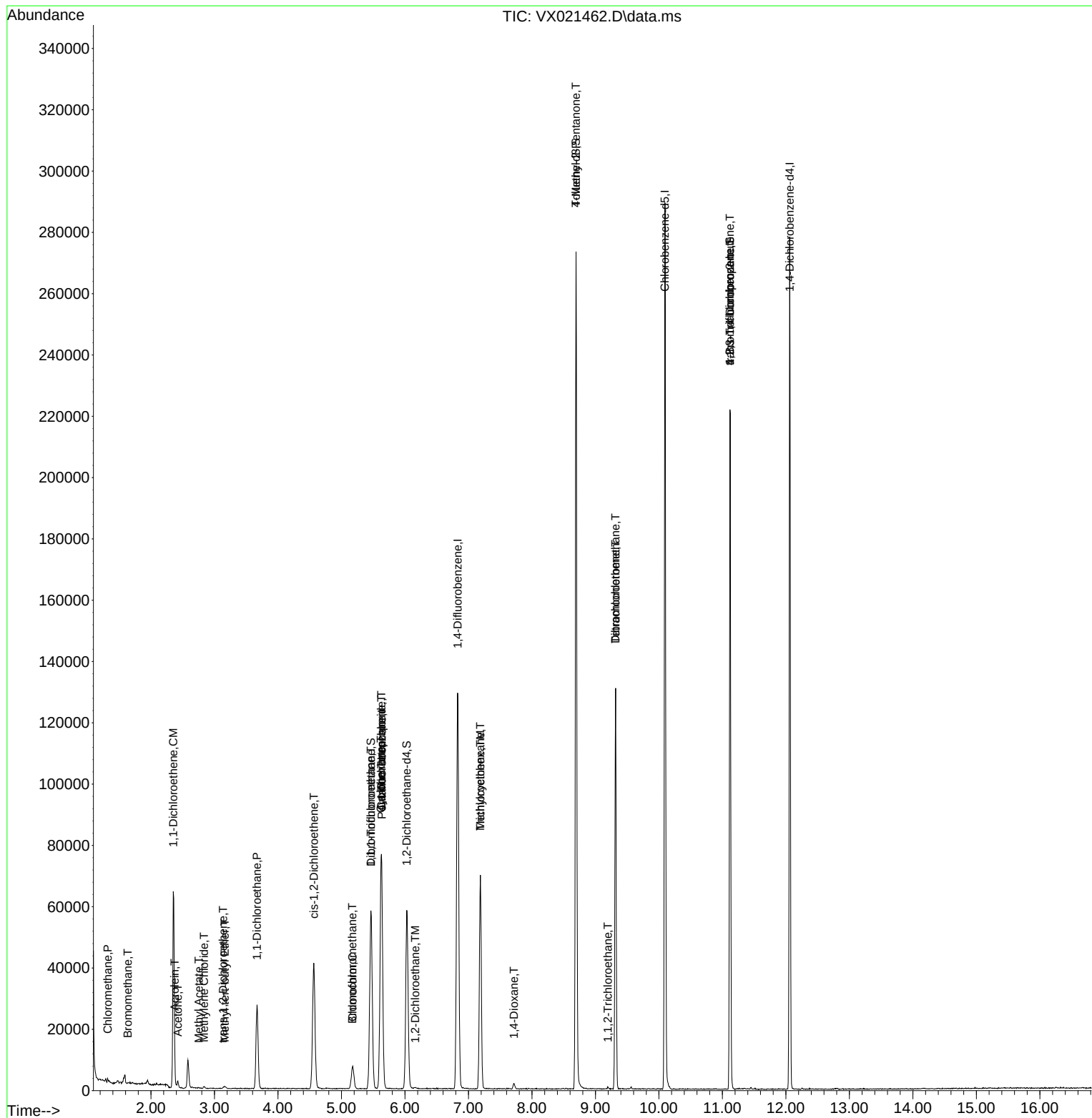
Internal Standards						
1) Pentafluorobenzene	5.635	168	66386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	121222	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	120059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	51264	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	56903	51.52	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.04%
35) Dibromofluoromethane	5.464	113	42507	49.37	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.74%
50) Toluene-d8	8.694	98	153004	49.86	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.72%
62) 4-Bromofluorobenzene	11.118	95	59022	49.47	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.94%
Target Compounds						
					Qvalue	
3) Chloromethane	1.316	50	2034	2.46	ug/l	91
5) Bromomethane	1.634	94	105	0.35	ug/l #	76
12) 1,1-Dichloroethene	2.352	96	19599	29.29	ug/l	85
13) Acrolein	2.375	56	20	4.51	ug/l #	14
16) Acetone	2.422	43	2302	5.51	ug/l #	86
18) Methyl Acetate	2.752	43	281	0.23	ug/l #	47
19) Methyl tert-butyl Ether	3.164	73	681	0.27	ug/l	98
20) Methylene Chloride	2.834	84	231	0.28	ug/l #	65
21) trans-1,2-Dichloroethene	3.134	96	183	0.25	ug/l #	73
24) 1,1-Dichloroethane	3.670	63	29733	20.90	ug/l	97
27) cis-1,2-Dichloroethene	4.564	96	24168	28.32	ug/l	97
28) Bromochloromethane	5.170	49	853	1.20	ug/l #	9
30) Chloroform	5.176	83	8296	5.53	ug/l	93
31) Cyclohexane	5.623	56	1925	1.58	ug/l #	40
32) 1,1,1-Trichloroethane	5.464	97	5031	3.78	ug/l	94
36) 1,1-Dichloropropene	5.629	75	6135	5.17	ug/l #	50
38) Carbon Tetrachloride	5.629	117	7478	5.86	ug/l #	16
39) Methylcyclohexane	7.188	83	388	0.29	ug/l #	1
42) 1,2-Dichloroethane	6.164	62	495	0.34	ug/l #	73
44) Trichloroethene	7.188	130	24214	27.20	ug/l	95
49) 1,4-Dioxane	7.717	88	1225	57.52	ug/l #	93
51) 4-Methyl-2-Pentanone	8.694	43	956	0.70	ug/l #	1
55) 1,1,2-Trichloroethane	9.194	97	209	0.24	ug/l #	61
60) Dibromochloromethane	9.318	129	22716	23.07	ug/l #	11
64) Tetrachloroethene	9.318	164	21598	26.86	ug/l #	91
76) 1,2,3-Trichloropropane	11.118	75	33621	28.17	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	33621	85.81	ug/l #	12

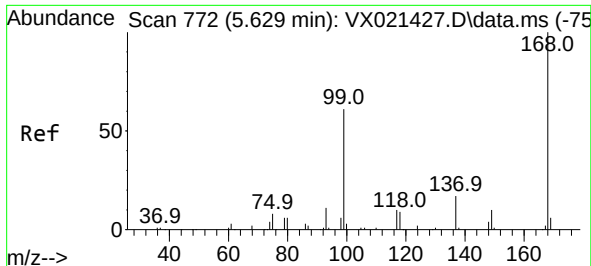
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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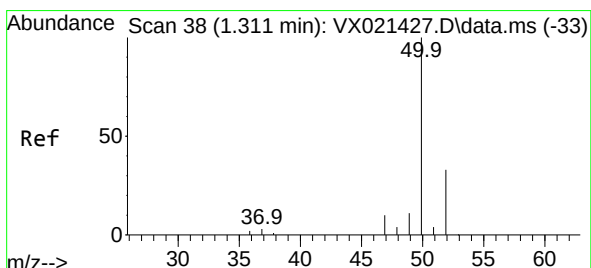
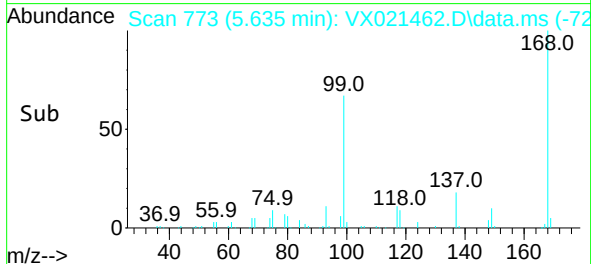
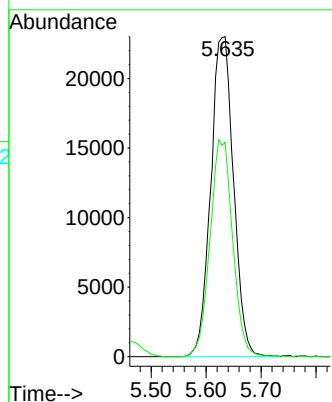
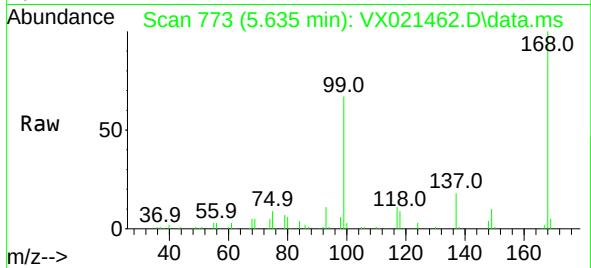




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

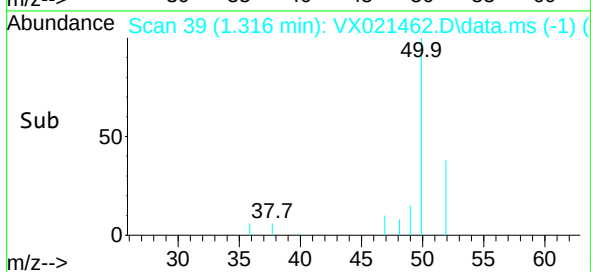
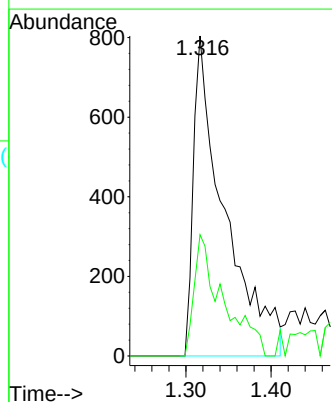
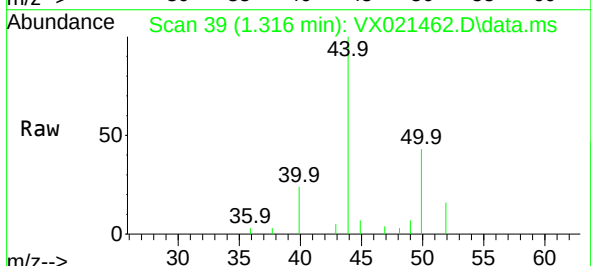
Instrument :
MSVOA_X
ClientSampled :

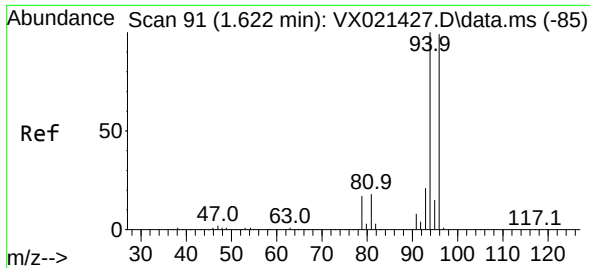
Tgt Ion:168 Resp: 66386
Ion Ratio Lower Upper
168 100
99 67.0 45.8 68.6



#3
Chloromethane
Concen: 2.46 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

Tgt Ion: 50 Resp: 2034
Ion Ratio Lower Upper
50 100
52 37.9 26.4 39.6

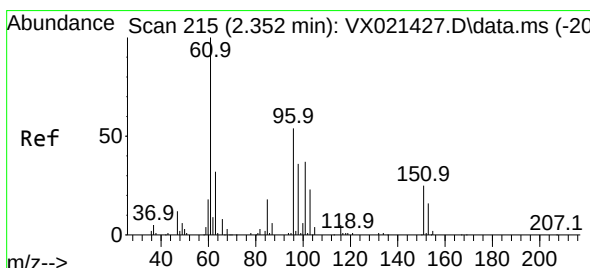
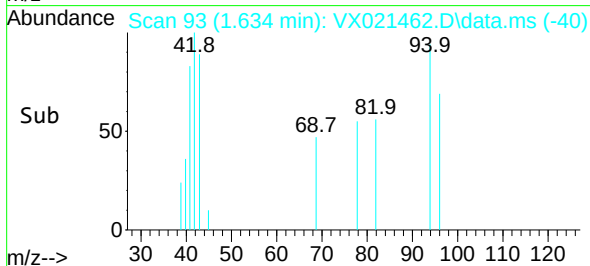
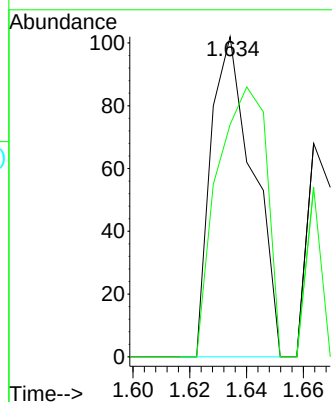
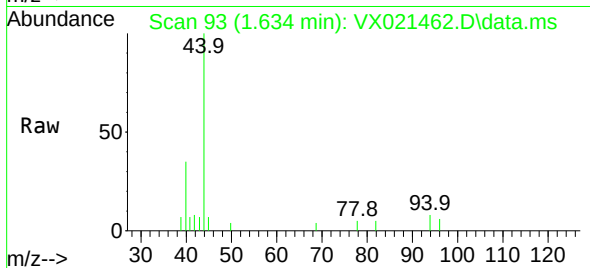




#5
Bromomethane
Concen: 0.35 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

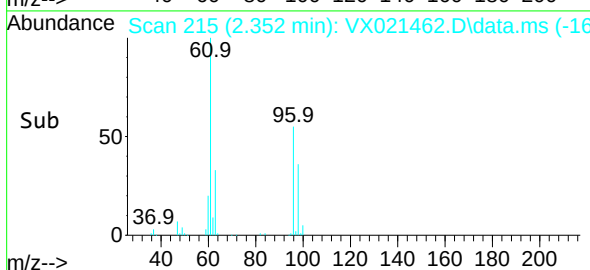
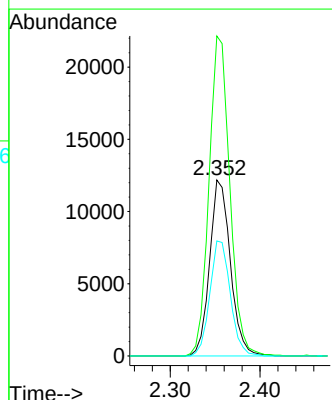
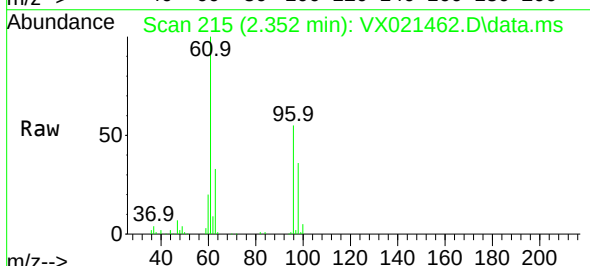
Instrument :
MSVOA_X
ClientSampled :

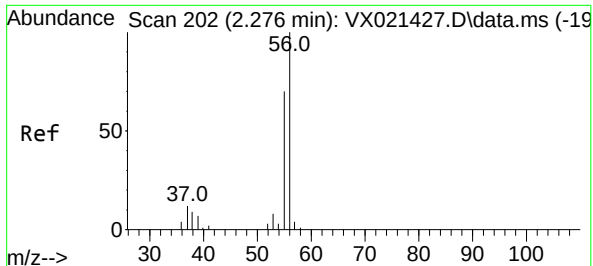
Tgt Ion: 94 Resp: 105
Ion Ratio Lower Upper
94 100
96 72.5 76.4 114.6#



#12
1,1-Dichloroethene
Concen: 29.29 ug/l
RT: 2.352 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

Tgt Ion: 96 Resp: 19599
Ion Ratio Lower Upper
96 100
61 181.8 124.6 187.0
98 65.4 50.6 76.0

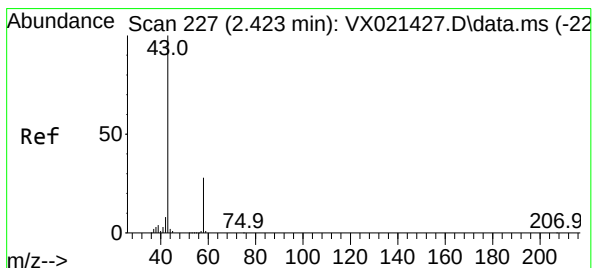
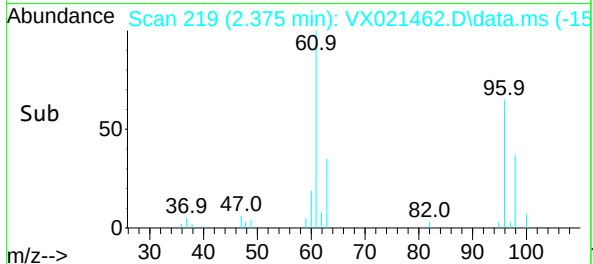
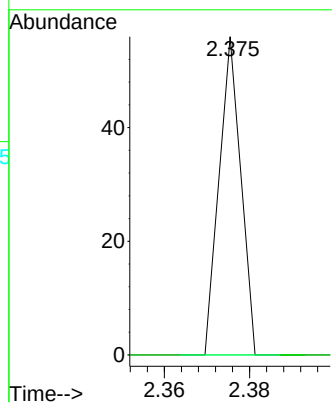
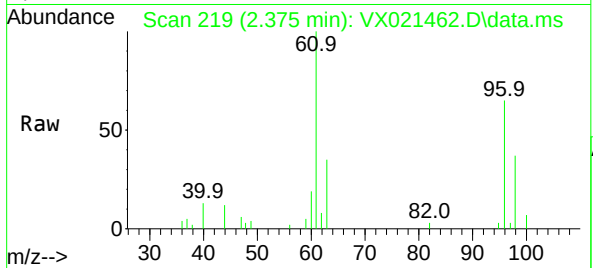




#13
Acrolein
Concen: 4.51 ug/l
RT: 2.375 min Scan# 219
Delta R.T. 0.099 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

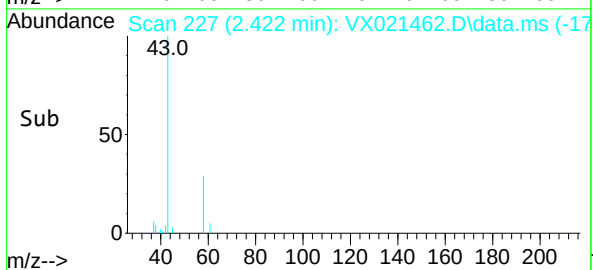
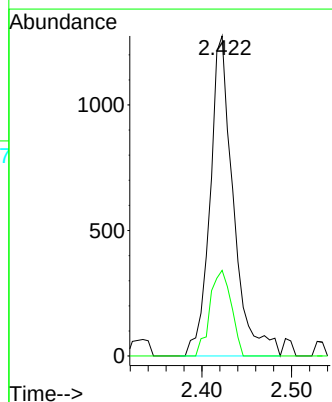
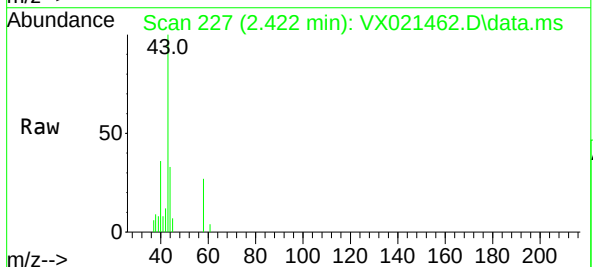
Instrument :
MSVOA_X
ClientSampleId :

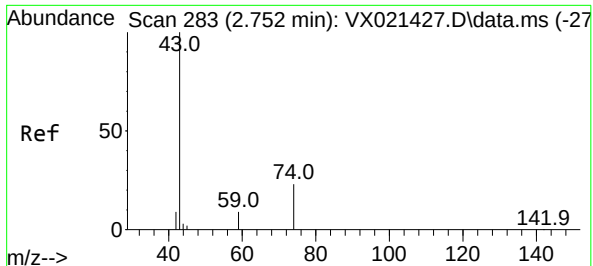
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 5.51 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

Tgt Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
58 26.7 27.8 41.8#





#18

Methyl Acetate

Concen: 0.23 ug/l

RT: 2.752 min Scan# 283

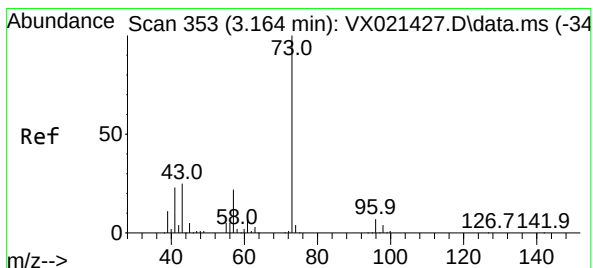
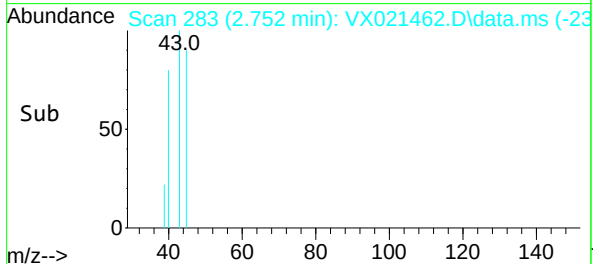
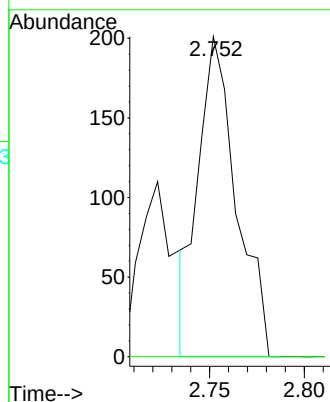
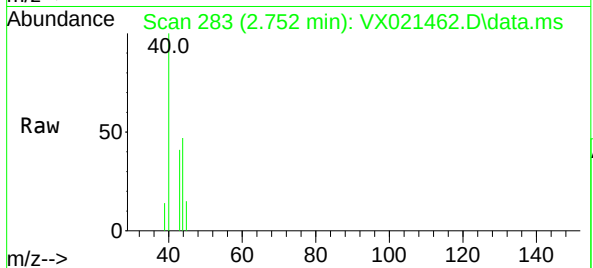
Delta R.T. -0.000 min

Lab File: VX021462.D

Acq: 25 Mar 2021 02:35

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#19

Methyl tert-butyl Ether

Concen: 0.27 ug/l

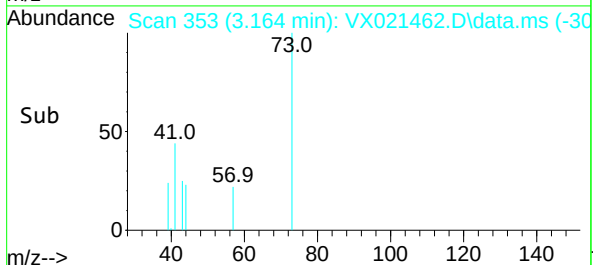
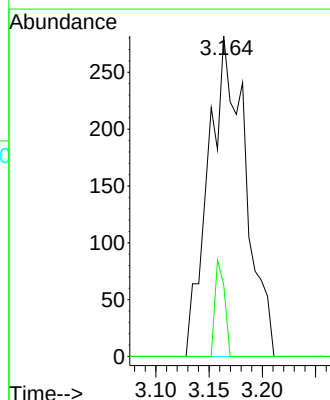
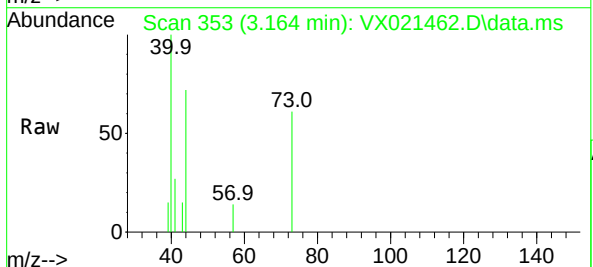
RT: 3.164 min Scan# 353

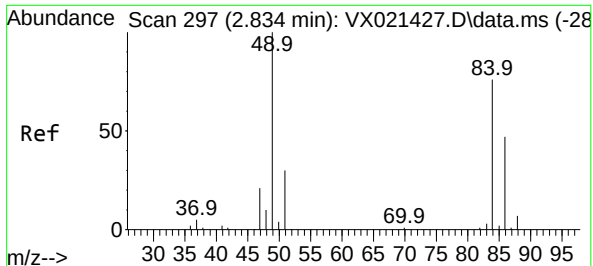
Delta R.T. -0.000 min

Lab File: VX021462.D

Acq: 25 Mar 2021 02:35

Tgt Ion: 73 Resp: 681
Ion Ratio Lower Upper
73 100
57 22.3 17.1 25.7





#20

Methylene Chloride

Concen: 0.28 ug/l

RT: 2.834 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX021462.D

Acq: 25 Mar 2021 02:35

Tgt Ion: 84 Resp: 231

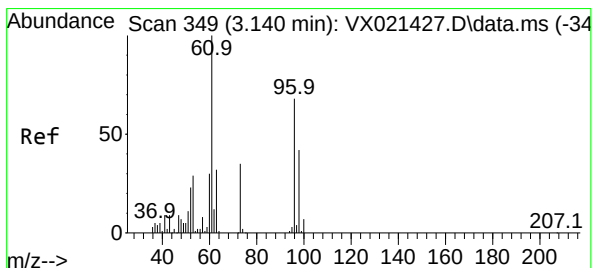
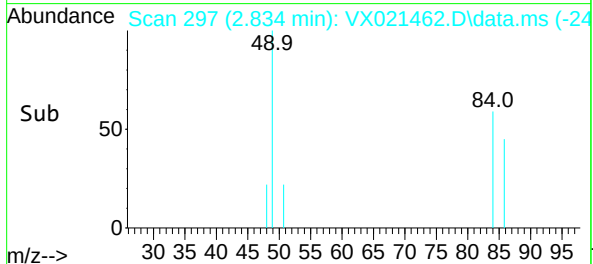
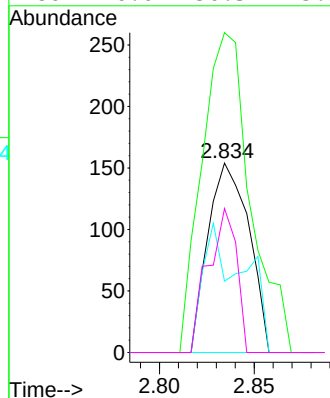
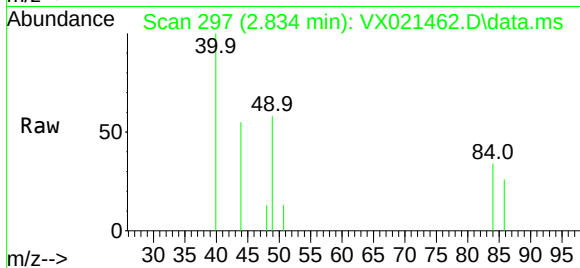
Ion Ratio Lower Upper

84 100

49 168.8 88.6 132.8#

51 37.7 27.0 40.6

86 76.0 50.3 75.5#



#21

trans-1,2-Dichloroethene

Concen: 0.25 ug/l

RT: 3.134 min Scan# 348

Delta R.T. -0.006 min

Lab File: VX021462.D

Acq: 25 Mar 2021 02:35

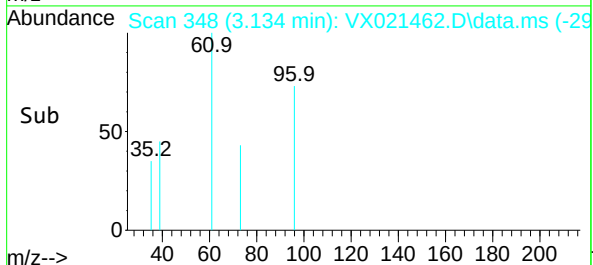
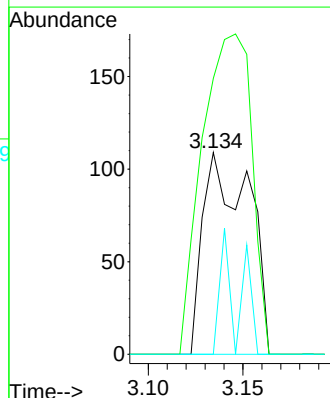
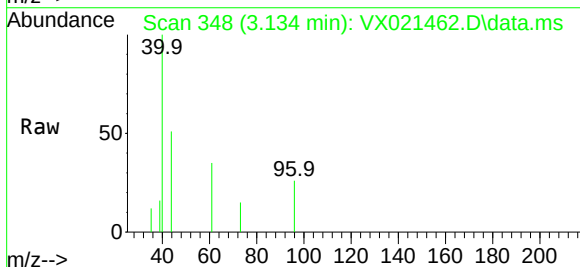
Tgt Ion: 96 Resp: 183

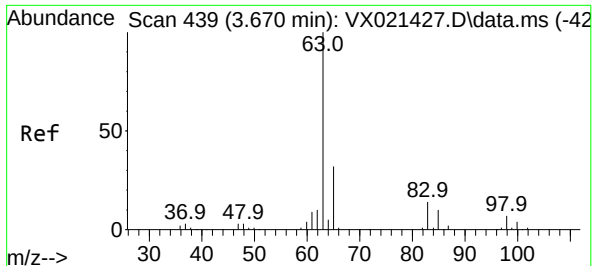
Ion Ratio Lower Upper

96 100

61 136.7 107.7 161.5

98 0.0 50.4 75.6#

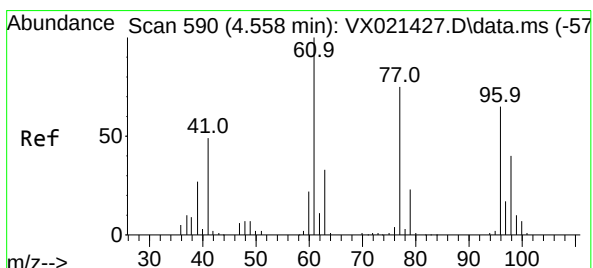
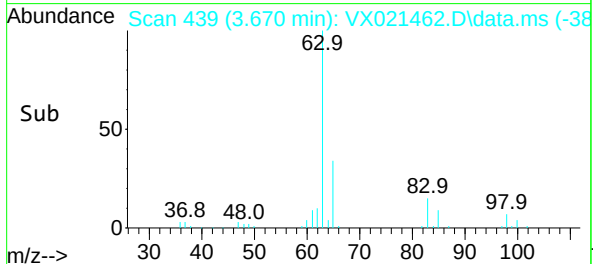
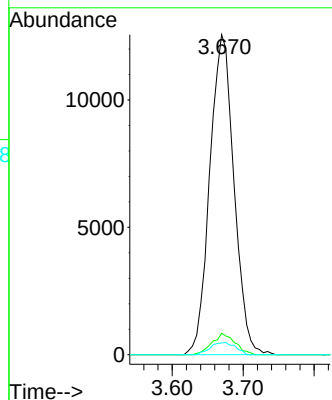
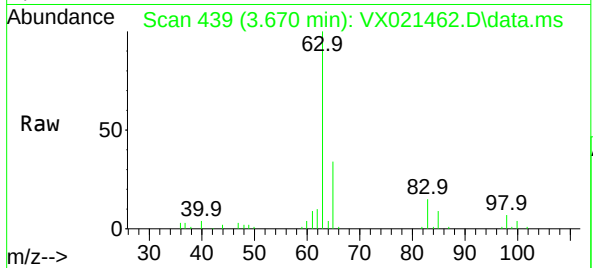




#24
1,1-Dichloroethane
Concen: 20.90 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

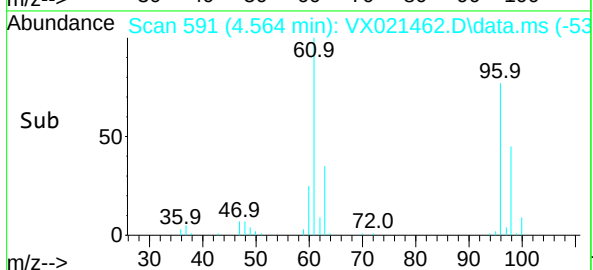
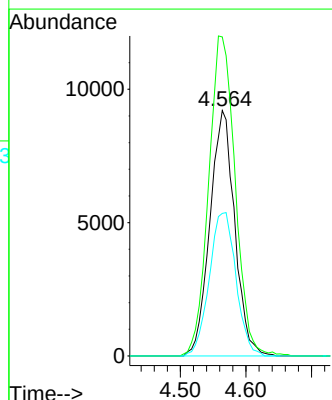
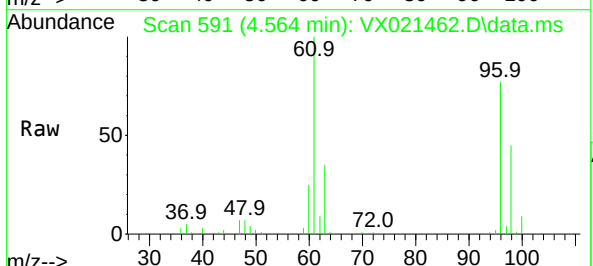
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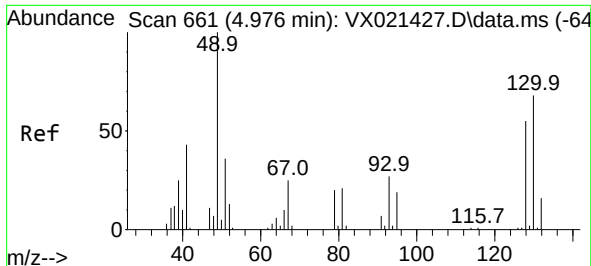
Tgt Ion: 63 Resp: 29733
Ion Ratio Lower Upper
63 100
98 6.7 3.8 11.2
100 3.6 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 28.32 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.006 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

Tgt Ion: 96 Resp: 24168
Ion Ratio Lower Upper
96 100
61 139.3 0.0 285.6
98 62.9 0.0 129.6

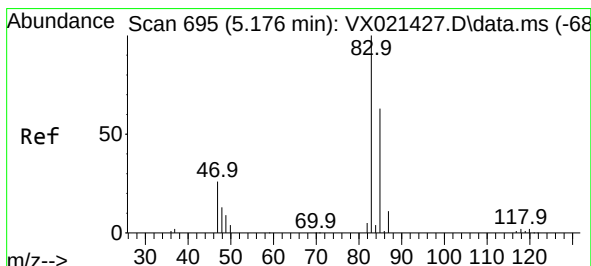
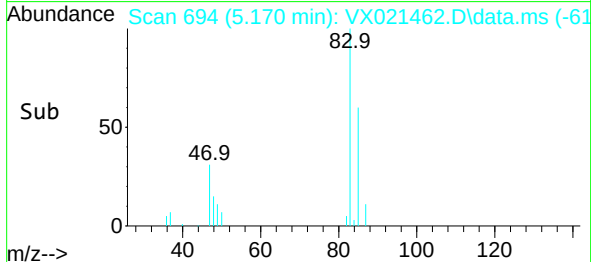
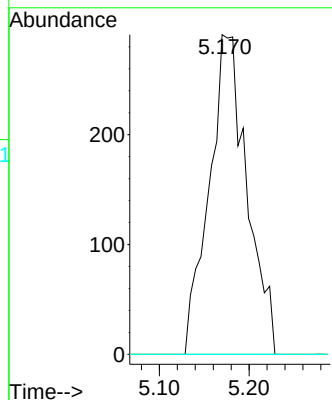
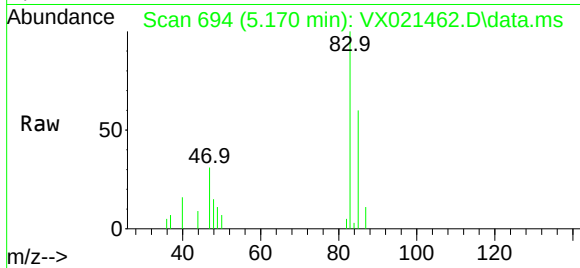




#28
Bromochloromethane
Concen: 1.20 ug/l
RT: 5.170 min Scan# 694
Delta R.T. 0.194 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

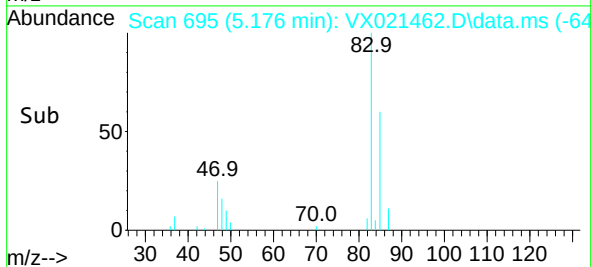
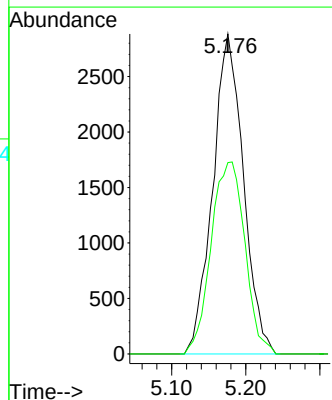
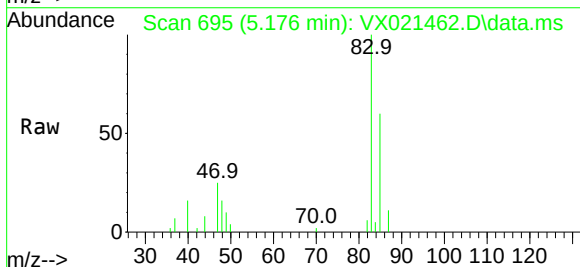
Instrument :
MSVOA_X
ClientSampled :

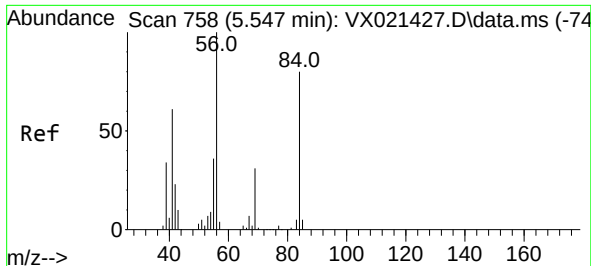
Tgt Ion: 49 Resp: 853
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#30
Chloroform
Concen: 5.53 ug/l
RT: 5.176 min Scan# 695
Delta R.T. -0.000 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

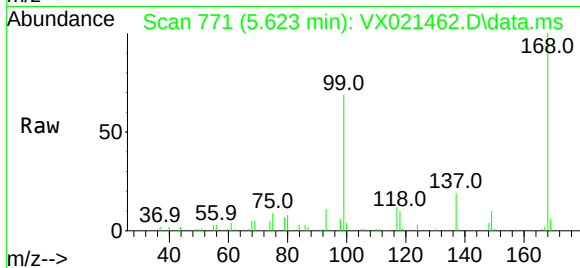
Tgt Ion: 83 Resp: 8296
Ion Ratio Lower Upper
83 100
85 59.8 52.0 78.0



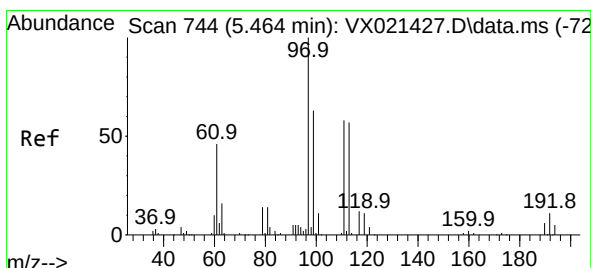
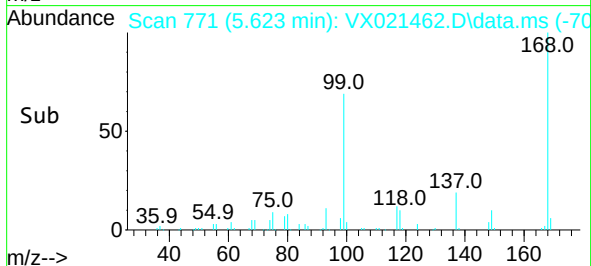
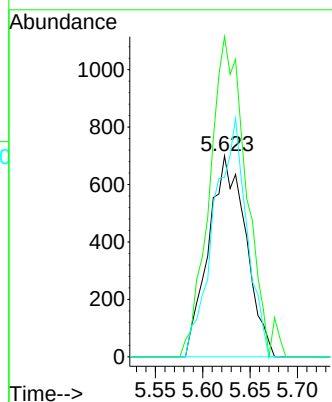


#31
Cyclohexane
Concen: 1.58 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

Instrument :
MSVOA_X
ClientSampled :

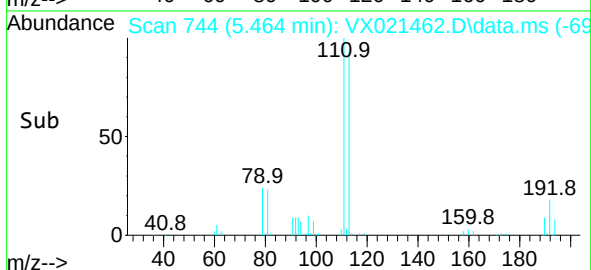
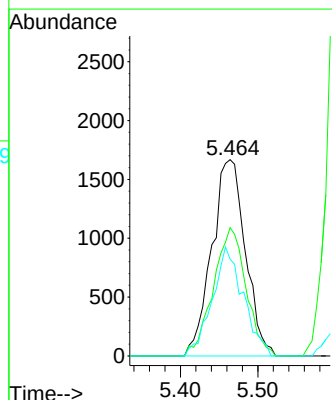
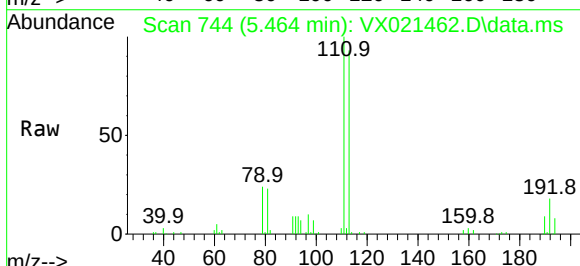


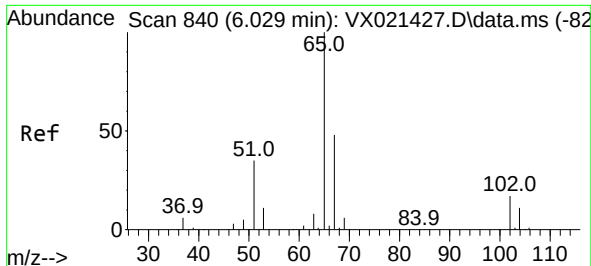
Tgt Ion: 56 Resp: 1925
Ion Ratio Lower Upper
56 100
69 159.3 25.3 37.9#
84 89.3 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 3.78 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

Tgt Ion: 97 Resp: 5031
Ion Ratio Lower Upper
97 100
99 63.5 51.5 77.3
61 51.3 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 51.52 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021462.D

Acq: 25 Mar 2021 02:35

Tgt Ion: 65 Resp: 56903

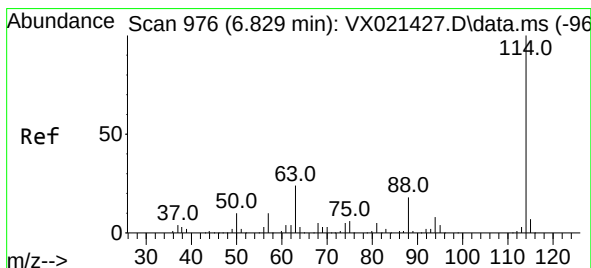
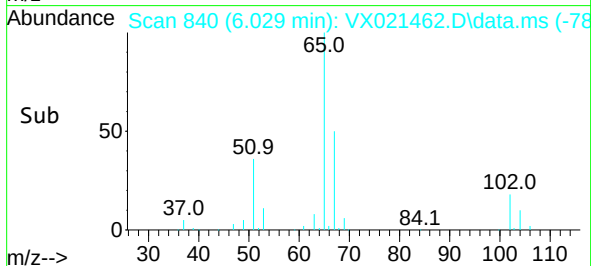
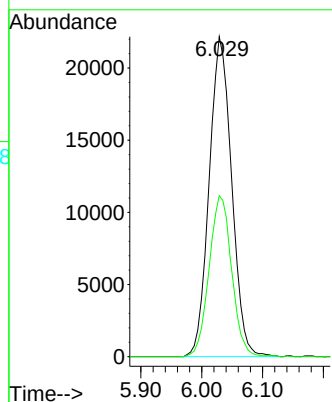
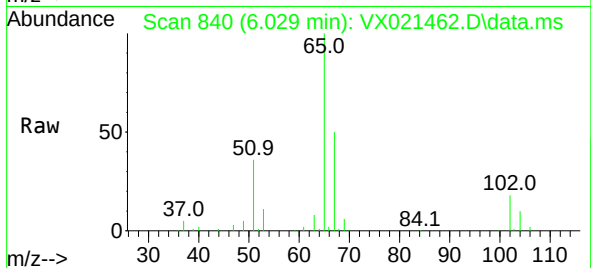
Ion Ratio Lower Upper

65	100		
67	50.3	0.0	105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. -0.000 min

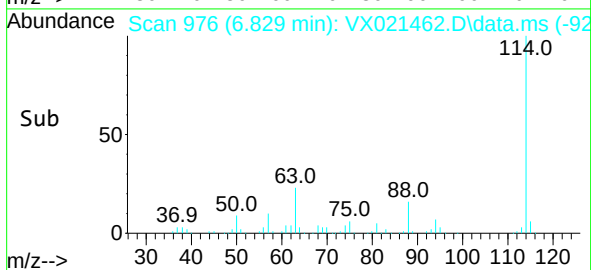
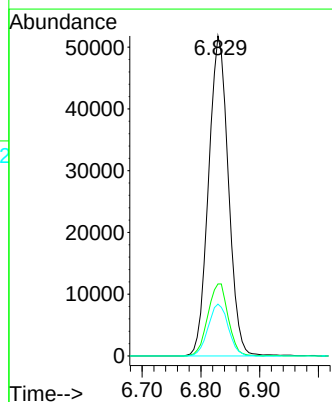
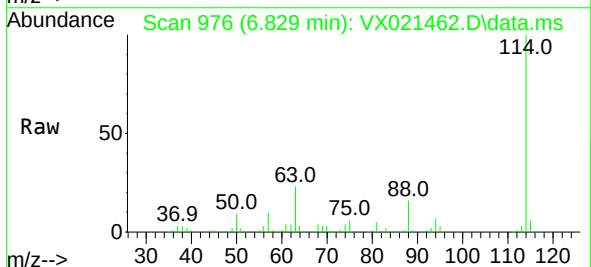
Lab File: VX021462.D

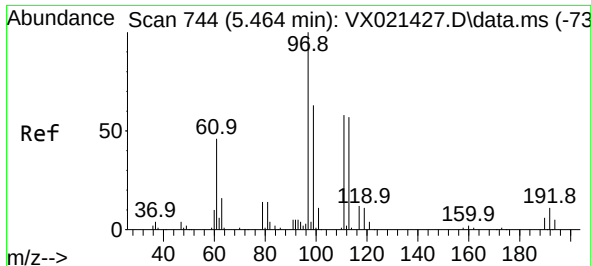
Acq: 25 Mar 2021 02:35

Tgt Ion: 114 Resp: 121222

Ion Ratio Lower Upper

114	100		
63	22.5	0.0	40.8
88	16.2	0.0	32.8

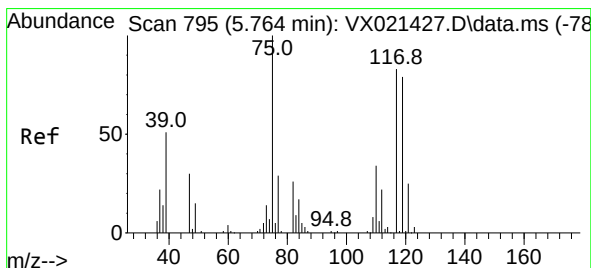
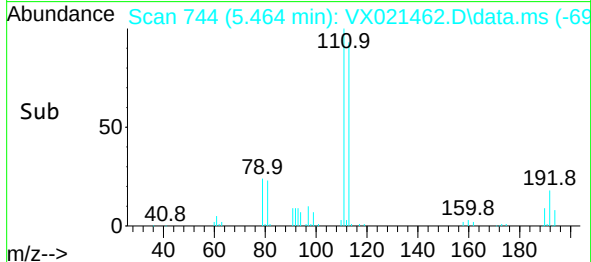
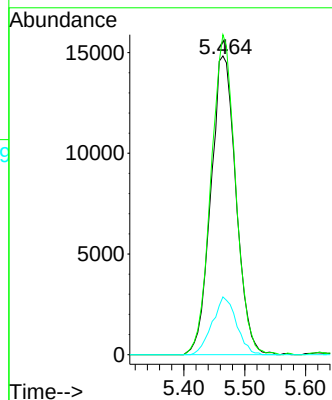
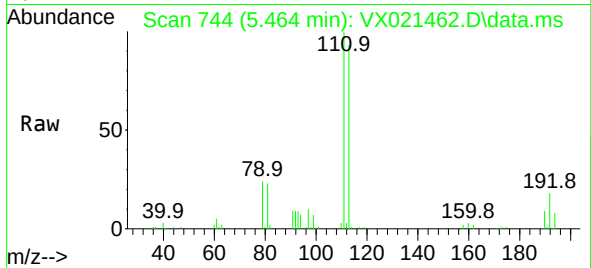




#35
Dibromofluoromethane
Concen: 49.37 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

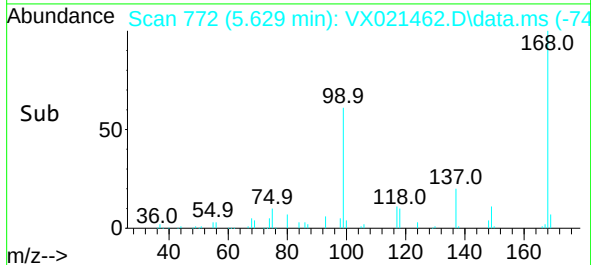
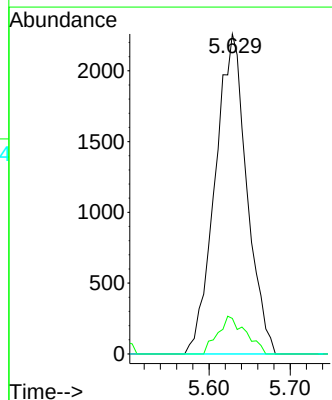
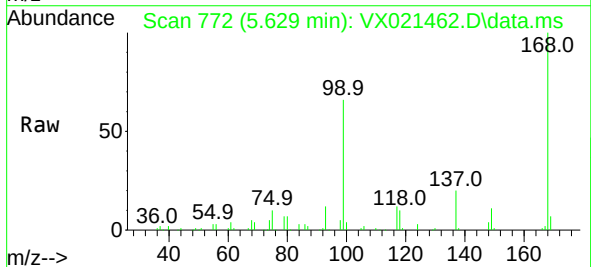
Instrument :
MSVOA_X
ClientSampled :

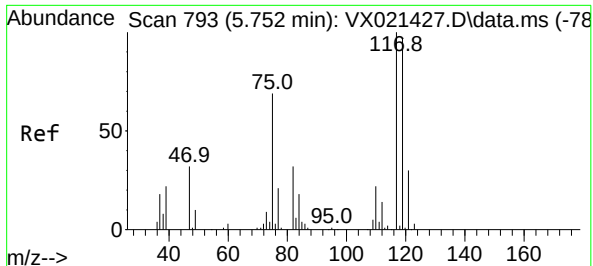
Tgt Ion:113 Resp: 42507
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 18.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.17 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

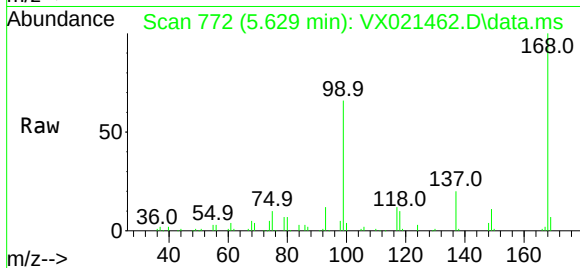
Tgt Ion: 75 Resp: 6135
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 25.3 37.9#



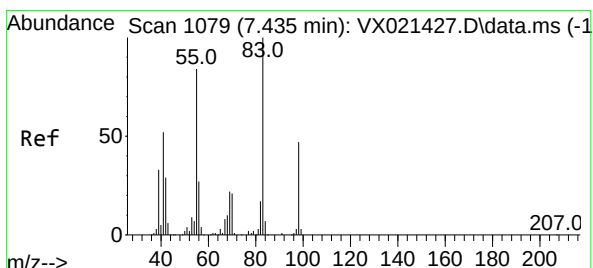
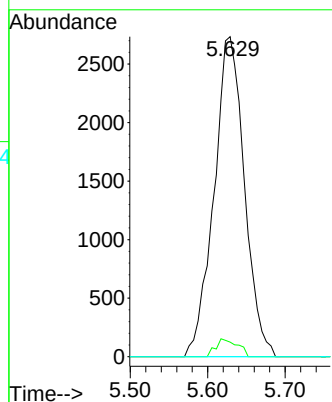
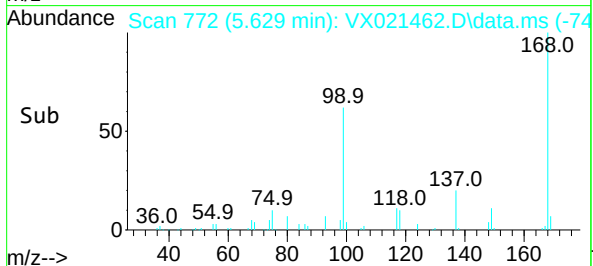


#38
Carbon Tetrachloride
Concen: 5.86 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

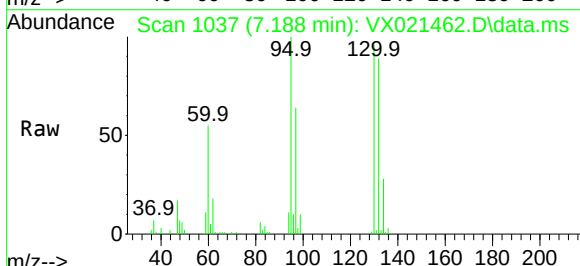
Instrument :
MSVOA_X
ClientSampleId :



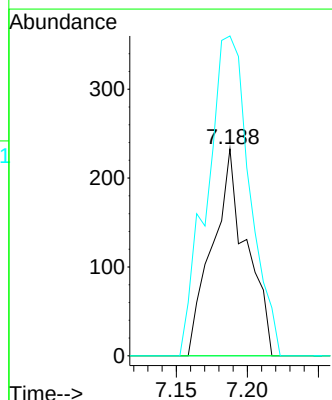
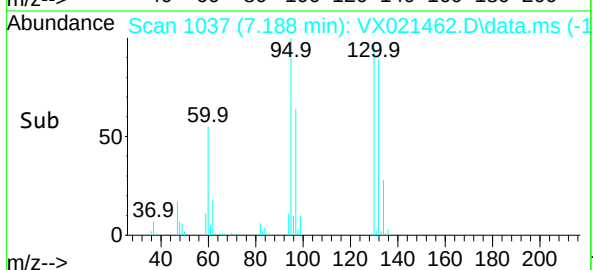
Tgt Ion:117 Resp: 7478
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#

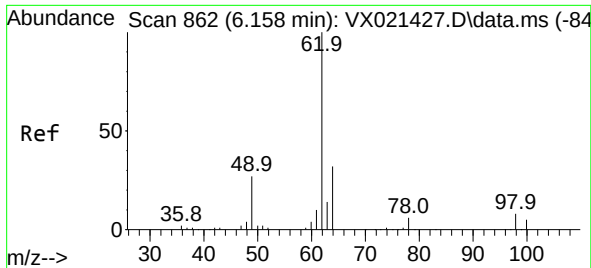


#39
Methylcyclohexane
Concen: 0.29 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35



Tgt Ion: 83 Resp: 388
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 154.5 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.34 ug/l

RT: 6.164 min Scan# 863

Delta R.T. 0.006 min

Lab File: VX021462.D

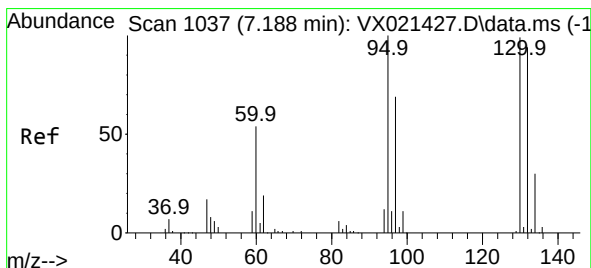
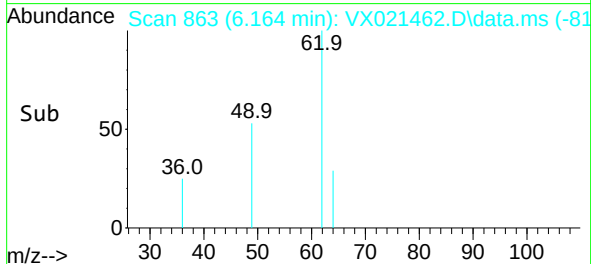
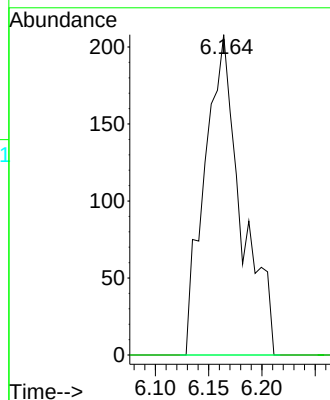
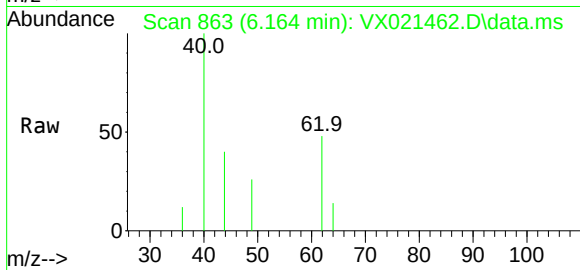
Acq: 25 Mar 2021 02:35

Tgt Ion: 62 Resp: 495

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 27.20 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021462.D

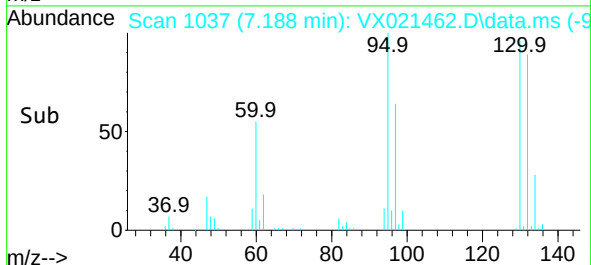
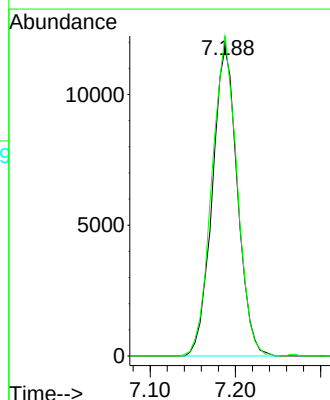
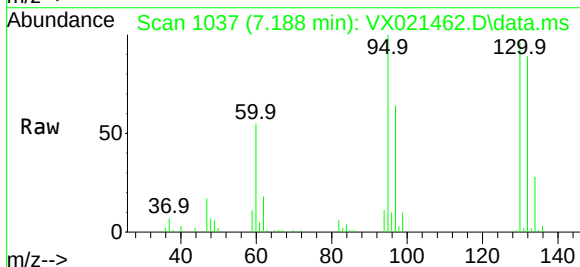
Acq: 25 Mar 2021 02:35

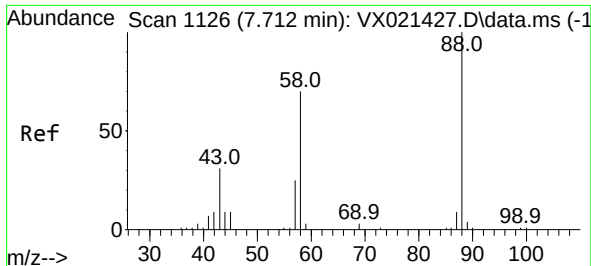
Tgt Ion:130 Resp: 24214

Ion Ratio Lower Upper

130 100

95 104.1 0.0 198.0





#49

1,4-Dioxane

Concen: 57.52 ug/l

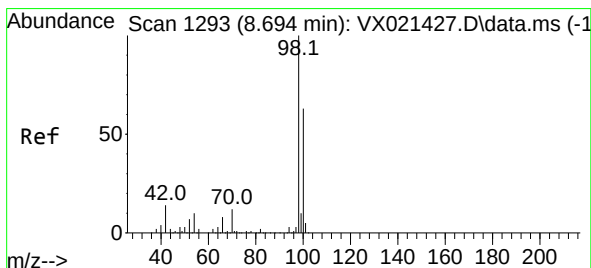
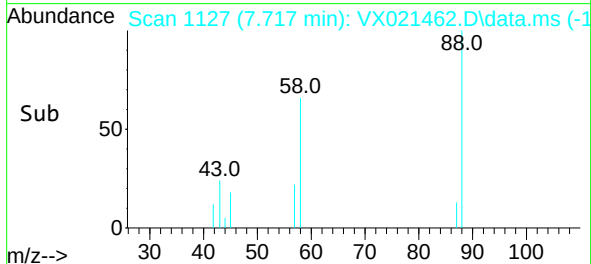
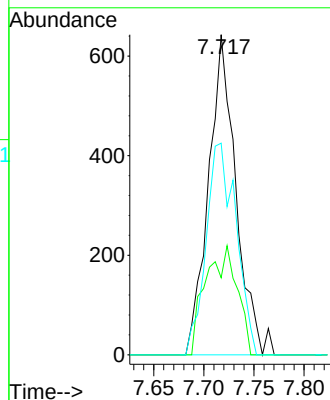
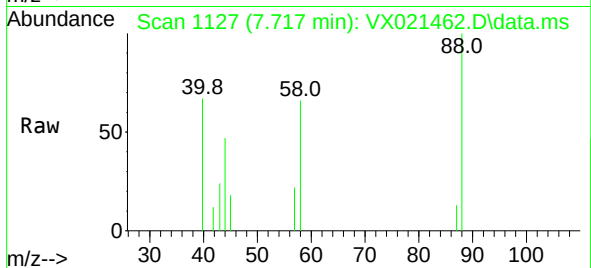
RT: 7.717 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VX021462.D

Acq: 25 Mar 2021 02:35

Tgt Ion:	88	Resp:	1225
Ion	Ratio	Lower	Upper
88	100		
43	22.1	23.2	34.8#
58	72.1	55.0	82.4



#50

Toluene-d8

Concen: 49.86 ug/l

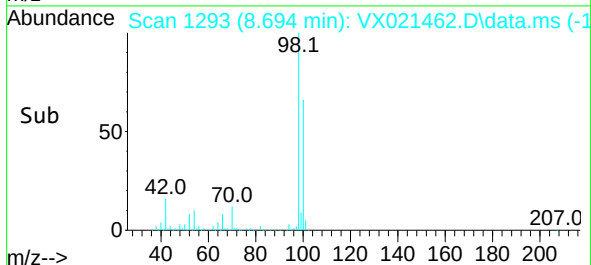
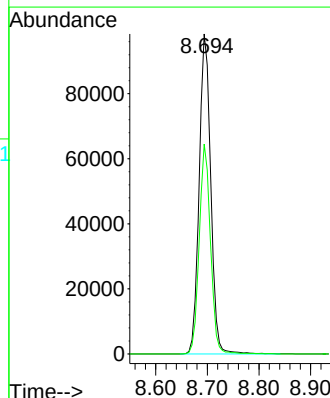
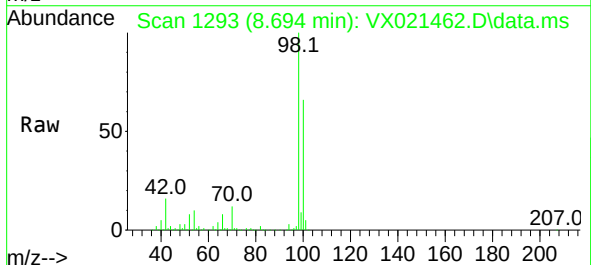
RT: 8.694 min Scan# 1293

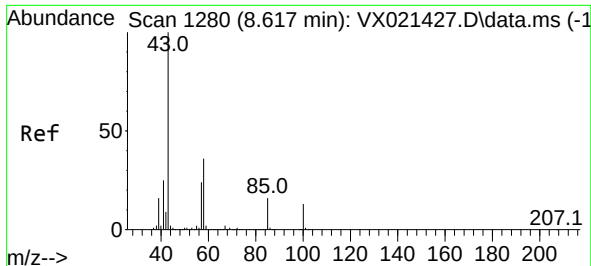
Delta R.T. -0.000 min

Lab File: VX021462.D

Acq: 25 Mar 2021 02:35

Tgt Ion:	98	Resp:	153004
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.9	77.9

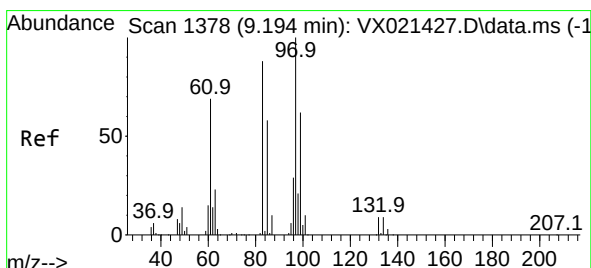
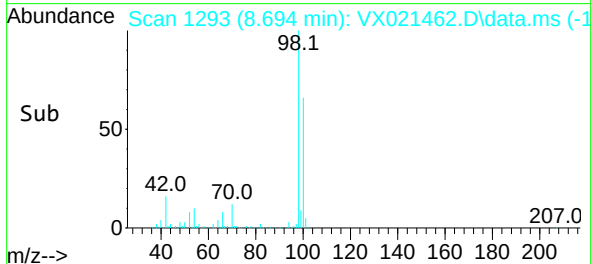
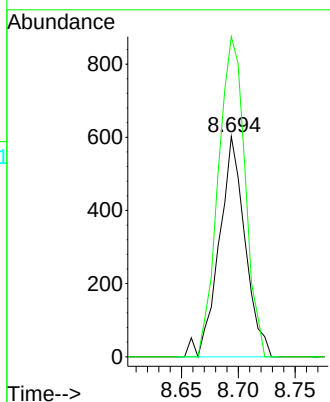
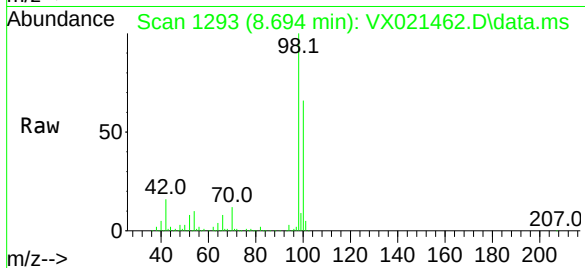




#51
4-Methyl-2-Pentanone
Concen: 0.70 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.077 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

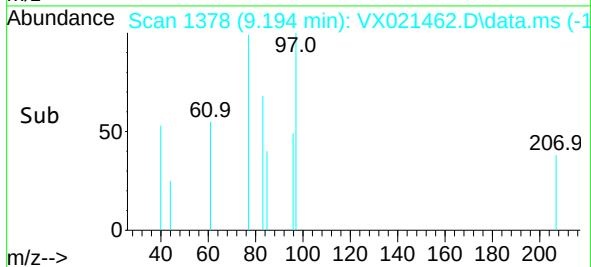
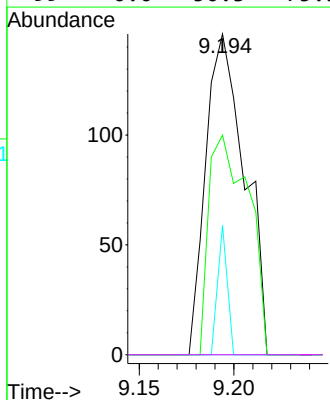
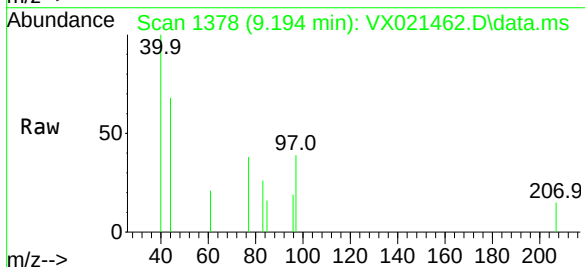
Instrument :
MSVOA_X
ClientSampled :

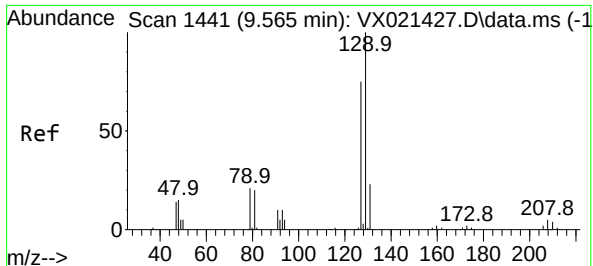
Tgt Ion: 43 Resp: 956
Ion Ratio Lower Upper
43 100
58 149.8 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.24 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

Tgt Ion: 97 Resp: 209
Ion Ratio Lower Upper
97 100
83 68.5 69.3 103.9#
85 40.4 44.3 66.5#
99 0.0 50.3 75.5#

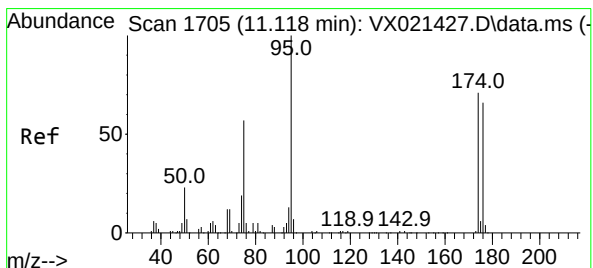
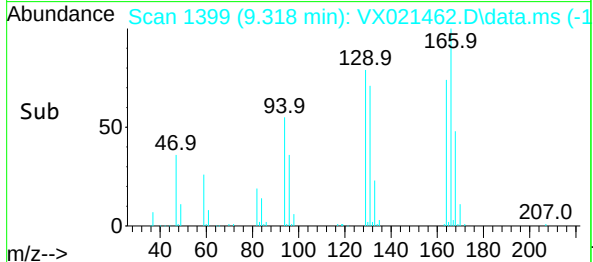
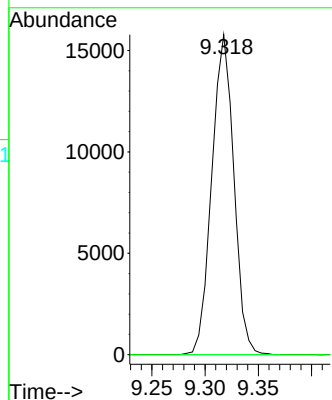
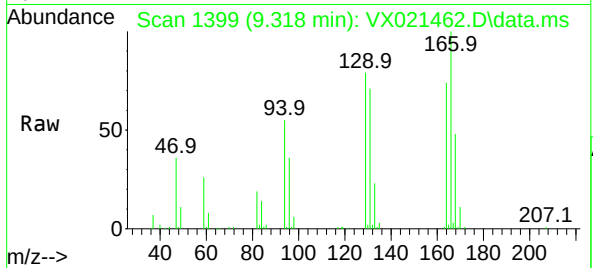




#60
Dibromochloromethane
Concen: 23.07 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

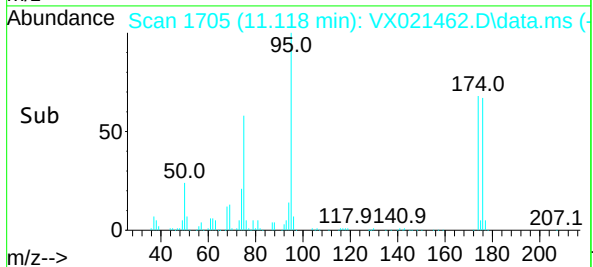
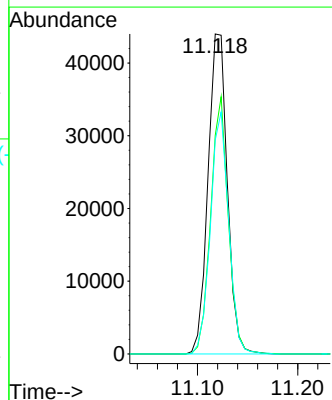
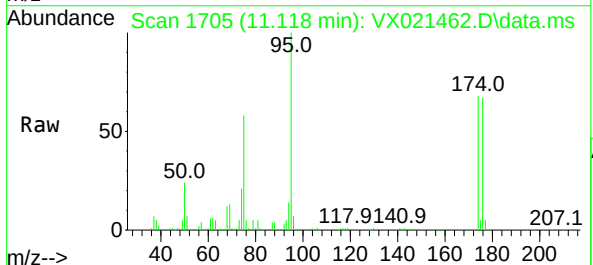
Instrument :
MSVOA_X
ClientSampled :

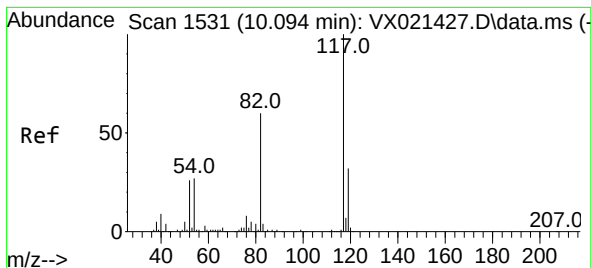
Tgt Ion:129 Resp: 22716
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 49.47 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

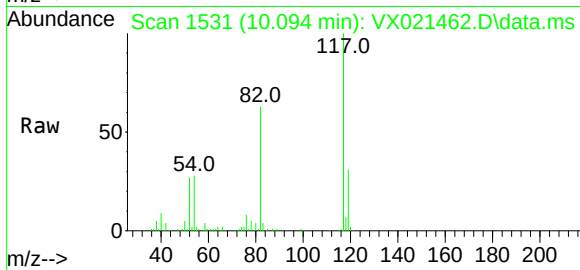
Tgt Ion: 95 Resp: 59022
Ion Ratio Lower Upper
95 100
174 73.2 0.0 154.6
176 71.3 0.0 155.8



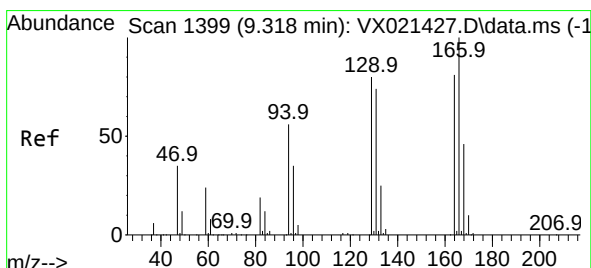
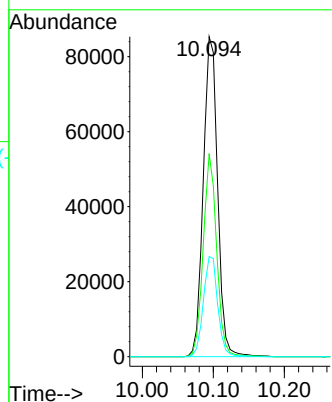
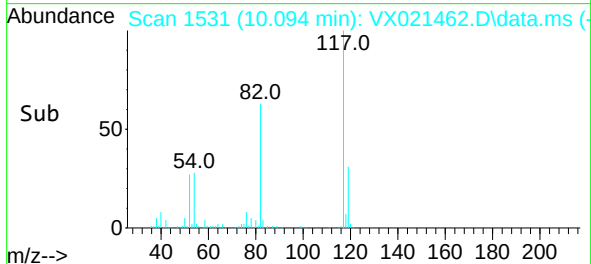


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35

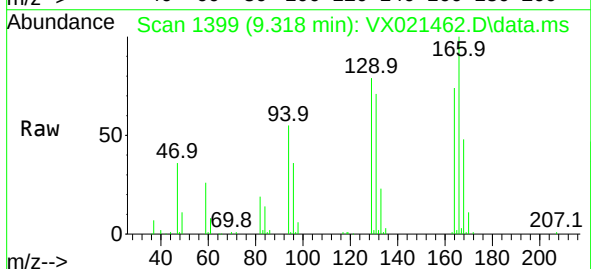
Instrument :
MSVOA_X
ClientSampled :



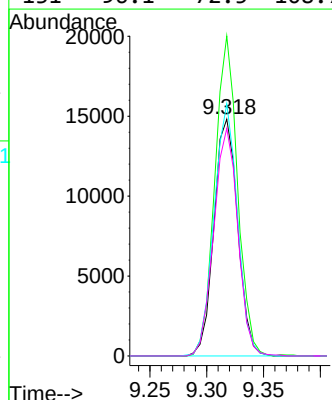
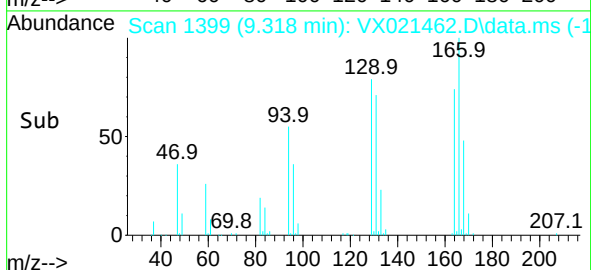
Tgt Ion:117 Resp: 120059
Ion Ratio Lower Upper
117 100
82 63.5 47.4 71.2
119 31.3 26.6 39.8

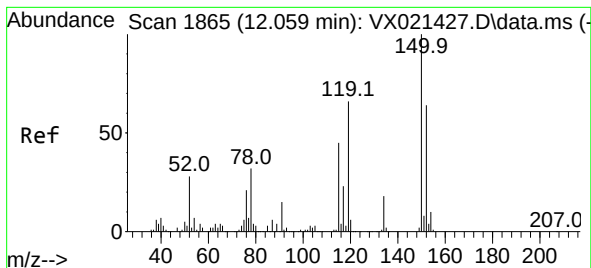


#64
Tetrachloroethene
Concen: 26.86 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021462.D
Acq: 25 Mar 2021 02:35



Tgt Ion:164 Resp: 21598
Ion Ratio Lower Upper
164 100
166 135.1 103.4 155.2
129 106.5 70.8 106.2#
131 96.1 72.5 108.7

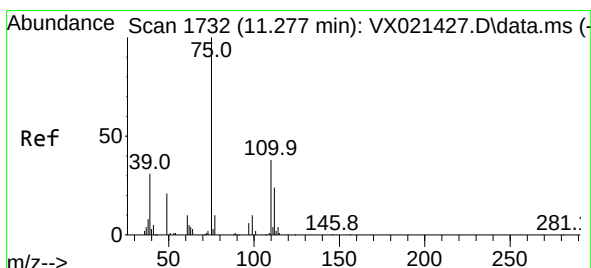
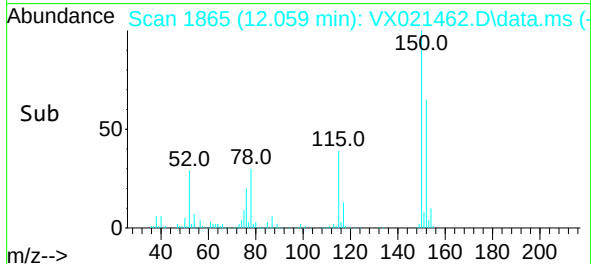
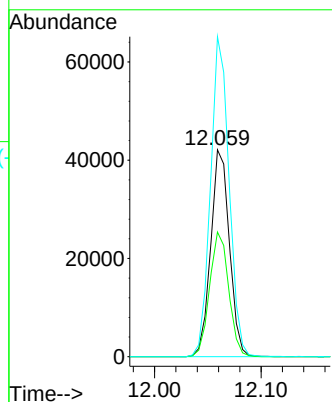
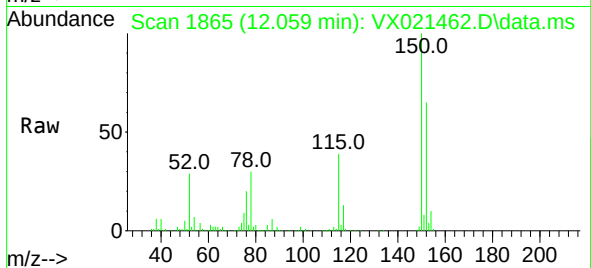




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021462.D
 Acq: 25 Mar 2021 02:35

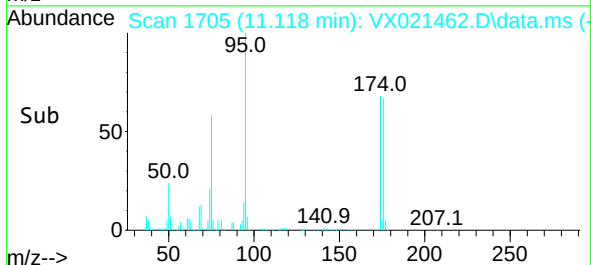
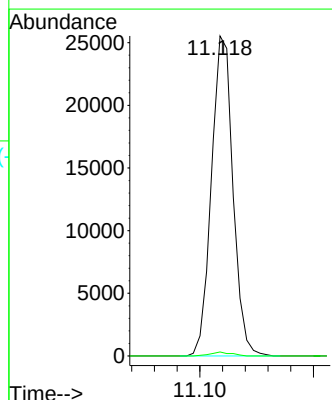
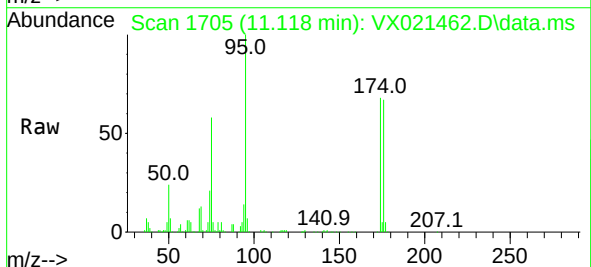
Instrument :
 MSVOA_X
 ClientSampleId :

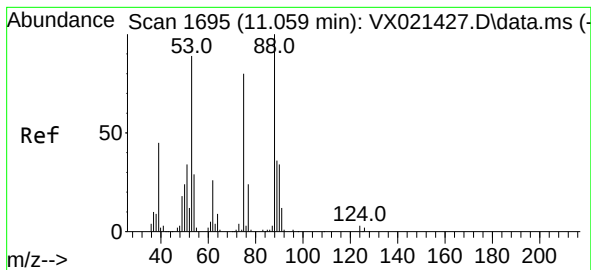
Tgt Ion:152 Resp: 51264
 Ion Ratio Lower Upper
 152 100
 115 61.4 41.1 123.3
 150 153.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.17 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021462.D
 Acq: 25 Mar 2021 02:35

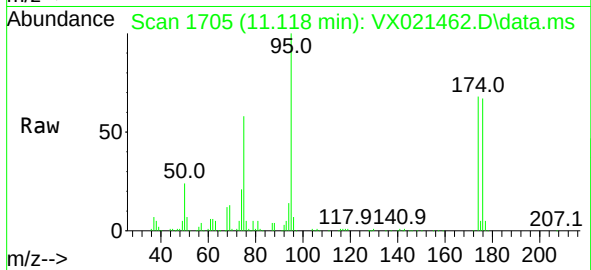
Tgt Ion: 75 Resp: 33621
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.81 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021462.D
 Acq: 25 Mar 2021 02:35

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 33621
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

