

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021468.D
 Acq On : 25 Mar 2021 04:56
 Operator : JC/MD
 Sample : M1787-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 25 06:56:53 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)

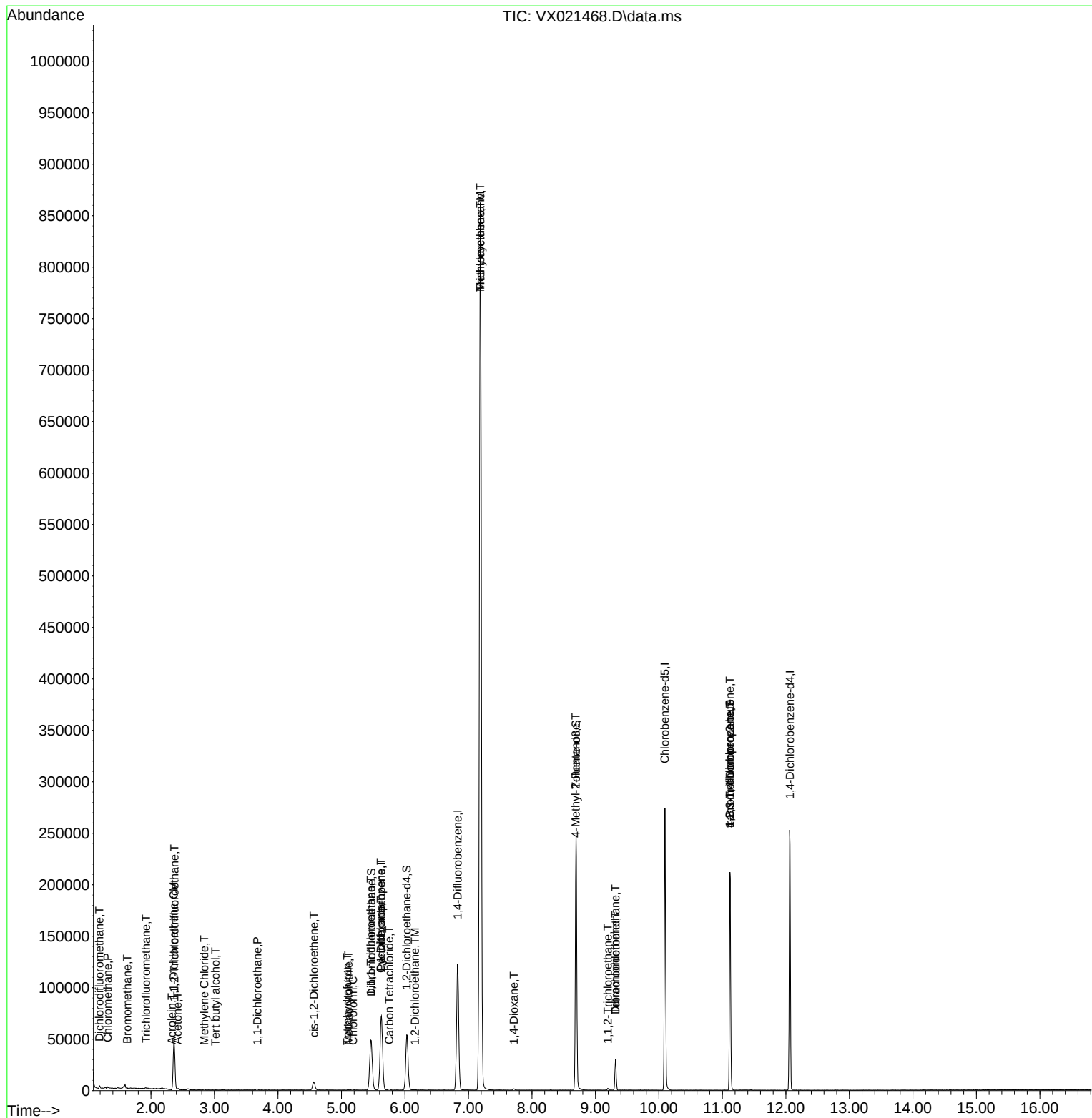
Internal Standards						
1) Pentafluorobenzene	5.629	168	61545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	111500	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	47722	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	52902	51.66	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.32%	
35) Dibromofluoromethane	5.470	113	40153	50.70	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.40%	
50) Toluene-d8	8.694	98	141437	50.11	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.22%	
62) 4-Bromofluorobenzene	11.118	95	55287	50.39	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.78%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	500	0.74	ug/l	98
3) Chloromethane	1.317	50	1828	2.39	ug/l	99
5) Bromomethane	1.628	94	66	0.24	ug/l #	2
7) Trichlorofluoromethane	1.922	101	346	0.31	ug/l #	68
9) 1,1,2-Trichlorotrifluo...	2.370	101	14985	23.65	ug/l	95
11) Tert butyl alcohol	3.017	59	74	0.44	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	3614	5.83	ug/l #	75
13) Acrolein	2.328	56	37	4.72	ug/l #	14
16) Acetone	2.417	43	1017	2.63	ug/l	93
20) Methylene Chloride	2.840	84	240	0.32	ug/l #	87
24) 1,1-Dichloroethane	3.676	63	1236	0.94	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	4561	5.77	ug/l	98
29) Tetrahydrofuran	5.093	42	115	0.30	ug/l #	27
30) Chloroform	5.182	83	863	0.62	ug/l	99
31) Cyclohexane	5.623	56	1770	1.57	ug/l #	53
32) 1,1,1-Trichloroethane	5.464	97	650	0.53	ug/l #	49
36) 1,1-Dichloropropene	5.623	75	5768	5.28	ug/l #	49
38) Carbon Tetrachloride	5.752	117	606	0.52	ug/l	86
39) Methylcyclohexane	7.188	83	4027	3.32	ug/l #	1
41) Methacrylonitrile	5.111	41	180	0.25	ug/l #	26
42) 1,2-Dichloroethane	6.158	62	453	0.34	ug/l #	73
44) Trichloroethene	7.188	130	300231	366.72	ug/l	95
49) 1,4-Dioxane	7.717	88	764	39.00	ug/l #	87
51) 4-Methyl-2-Pentanone	8.688	43	838	0.66	ug/l #	1
55) 1,1,2-Trichloroethane	9.194	97	407	0.50	ug/l #	84
60) Dibromochloromethane	9.318	129	5118	5.65	ug/l #	11
64) Tetrachloroethene	9.318	164	4861	6.59	ug/l	93
76) 1,2,3-Trichloropropane	11.118	75	30911	27.82	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30911	84.75	ug/l #	12

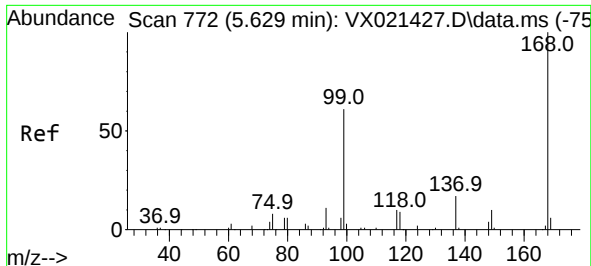
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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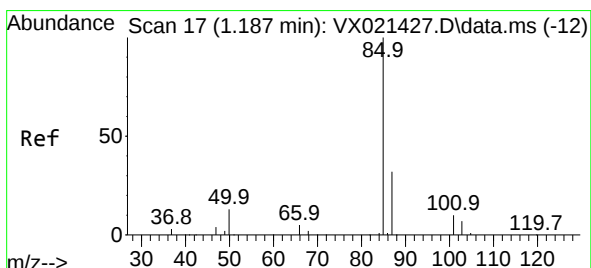
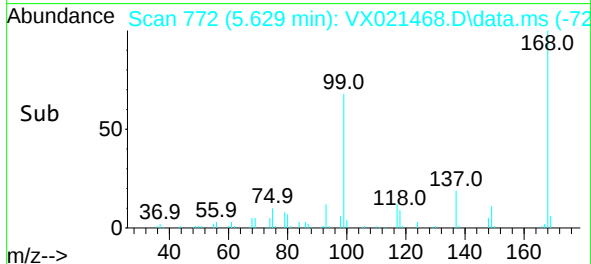
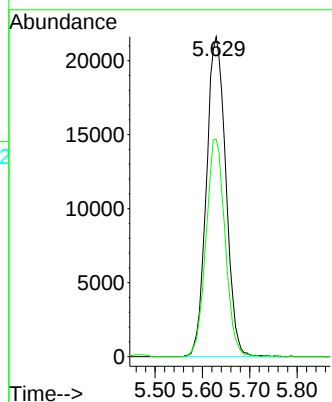
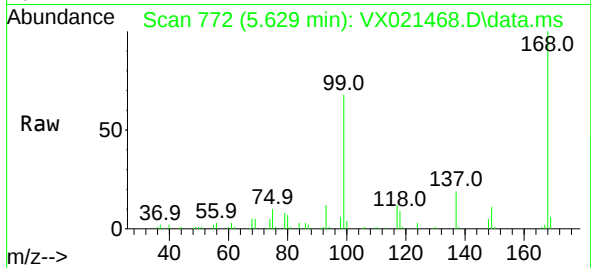




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

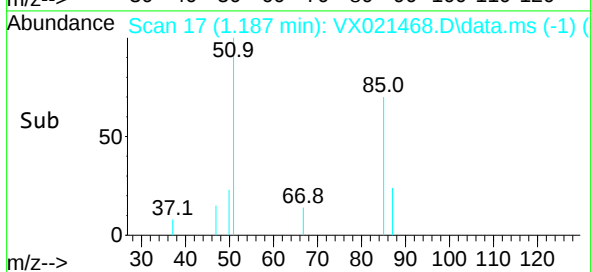
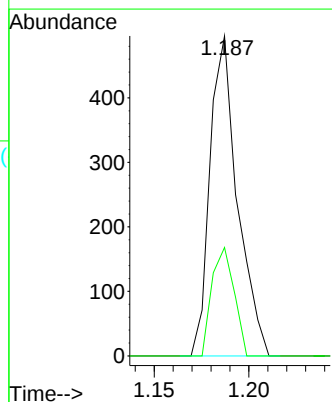
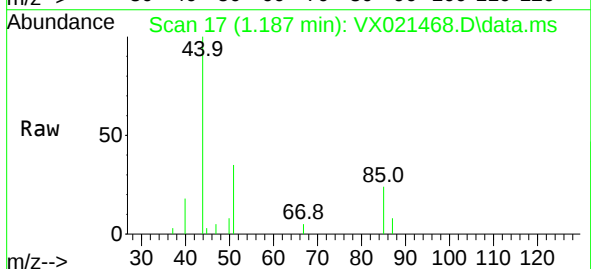
Instrument :
MSVOA_X
ClientSampleId :

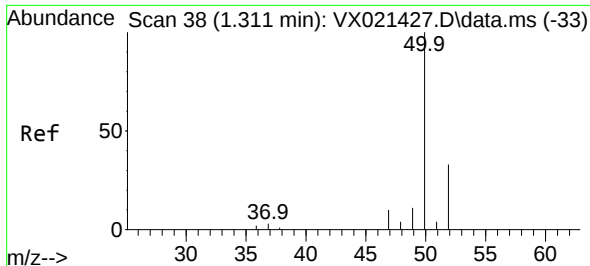
Tgt Ion:168 Resp: 61545
Ion Ratio Lower Upper
168 100
99 67.9 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.74 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

Tgt Ion: 85 Resp: 500
Ion Ratio Lower Upper
85 100
87 33.9 16.4 49.2

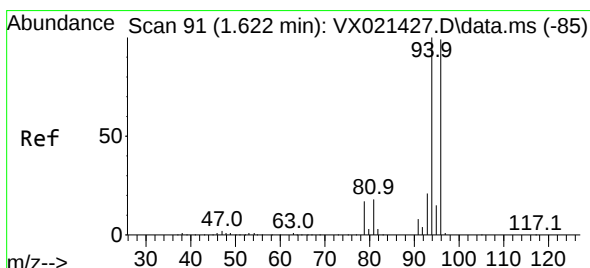
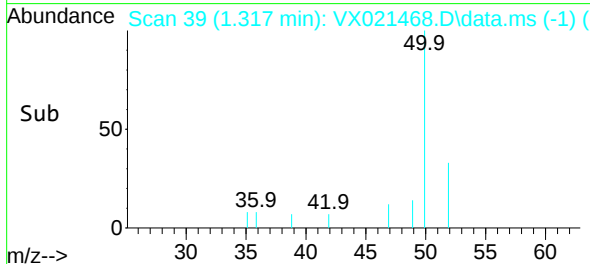
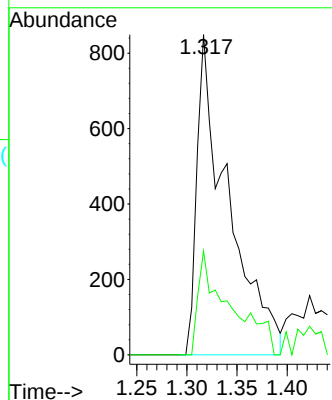
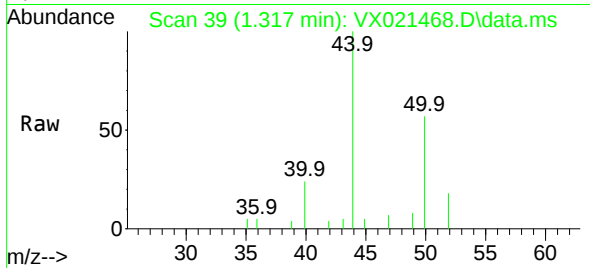




#3
Chloromethane
Concen: 2.39 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

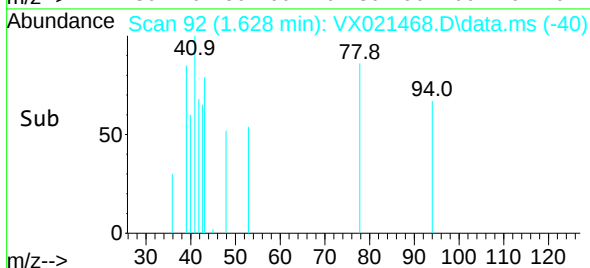
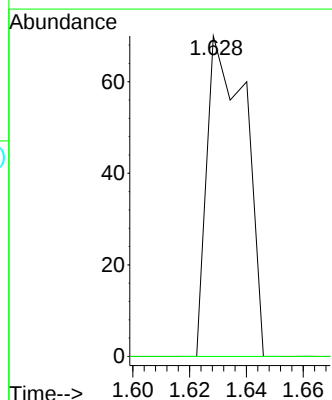
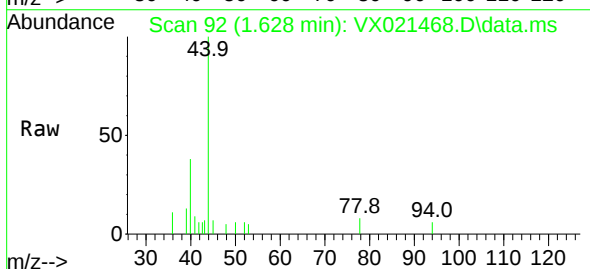
Instrument :
MSVOA_X
ClientSampled :

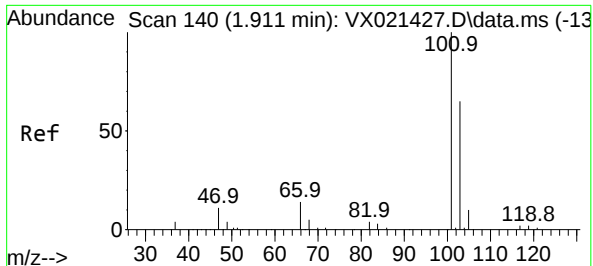
Tgt Ion: 50 Resp: 1828
Ion Ratio Lower Upper
50 100
52 32.5 26.4 39.6



#5
Bromomethane
Concen: 0.24 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

Tgt Ion: 94 Resp: 66
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

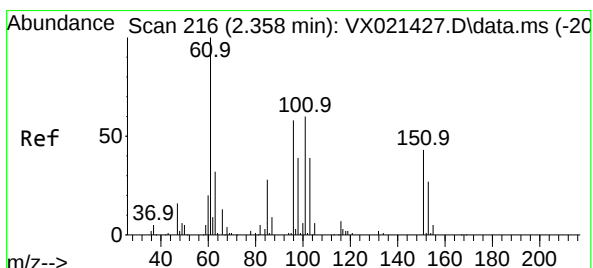
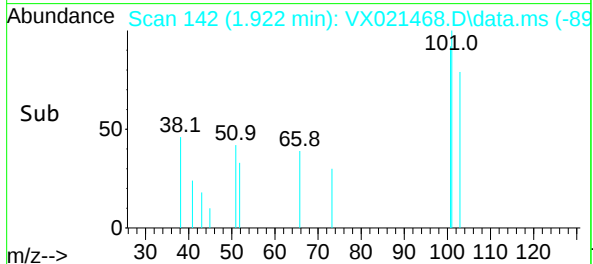
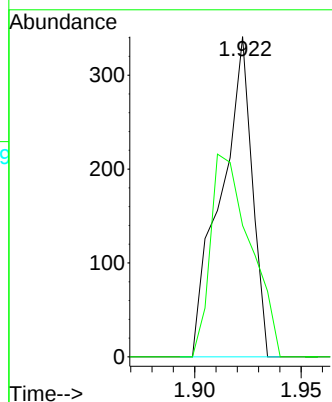
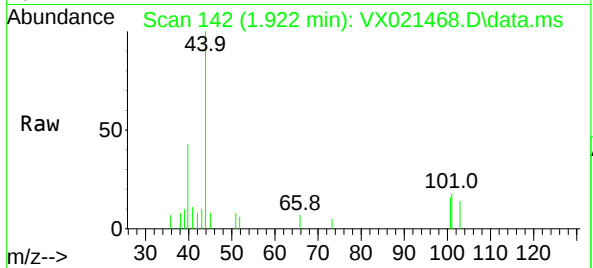




#7
 Trichlorofluoromethane
 Concen: 0.31 ug/l
 RT: 1.922 min Scan# 142
 Delta R.T. 0.011 min
 Lab File: VX021468.D
 Acq: 25 Mar 2021 04:56

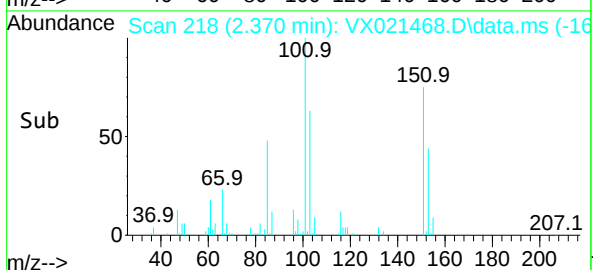
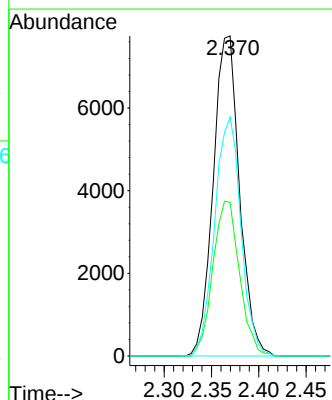
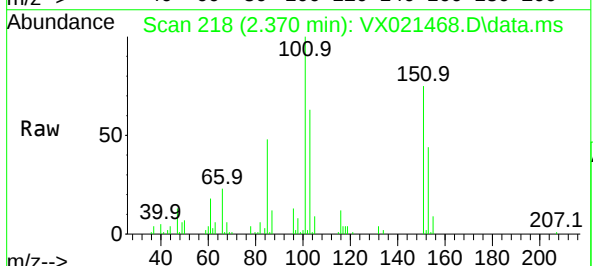
Instrument :
 MSVOA_X
 ClientSampled :

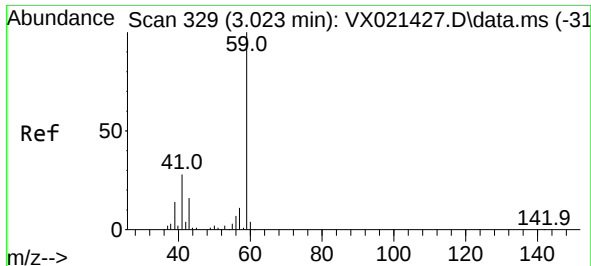
Tgt Ion:101 Resp: 346
 Ion Ratio Lower Upper
 101 100
 103 41.1 53.2 79.8#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 23.65 ug/l
 RT: 2.370 min Scan# 218
 Delta R.T. 0.012 min
 Lab File: VX021468.D
 Acq: 25 Mar 2021 04:56

Tgt Ion:101 Resp: 14985
 Ion Ratio Lower Upper
 101 100
 85 49.0 34.9 52.3
 151 74.5 61.4 92.2



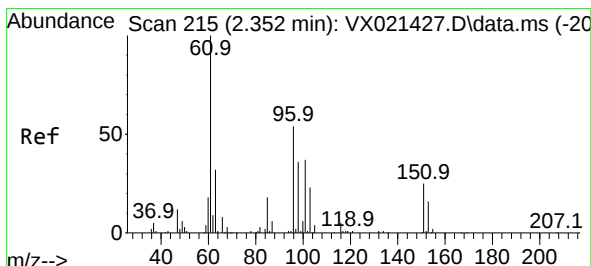
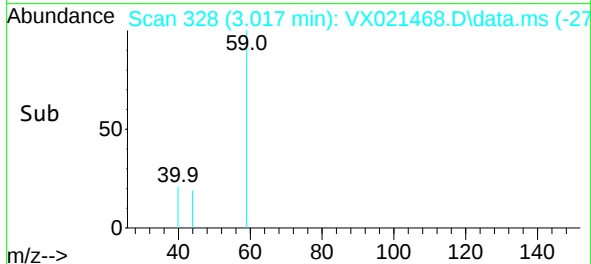
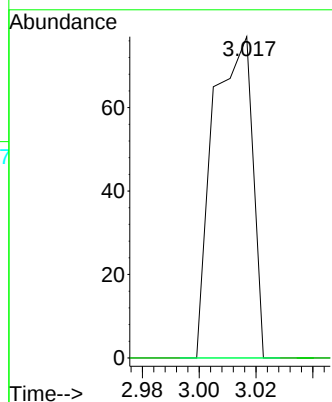
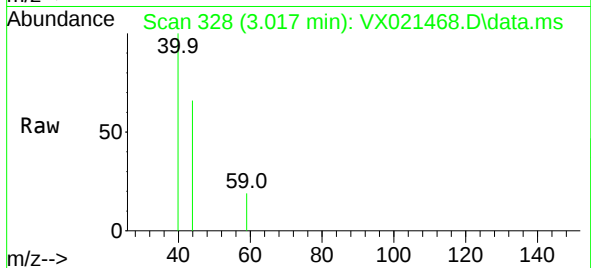


#11

Tert butyl alcohol
Concen: 0.44 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

Instrument :
MSVOA_X
ClientSampled :

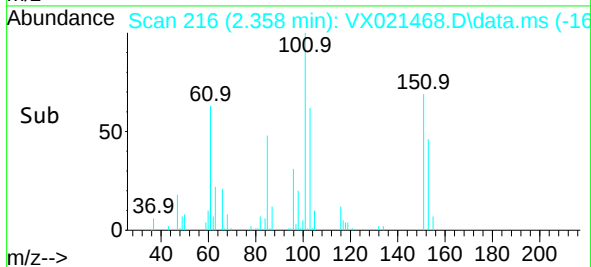
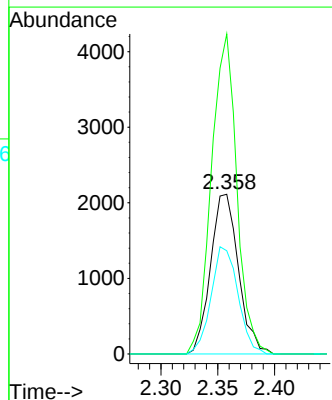
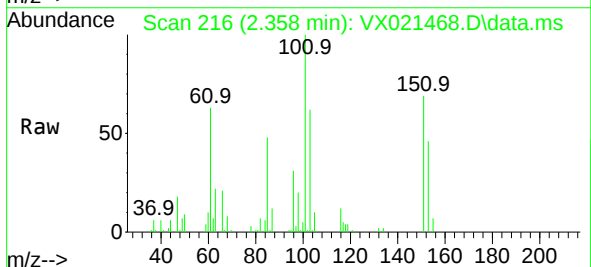
Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

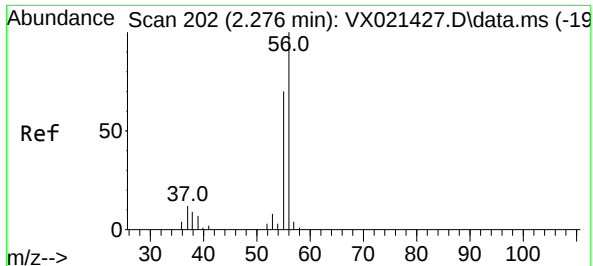


#12

1,1-Dichloroethene
Concen: 5.83 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

Tgt Ion: 96 Resp: 3614
Ion Ratio Lower Upper
96 100
61 200.5 124.6 187.0#
98 64.7 50.6 76.0

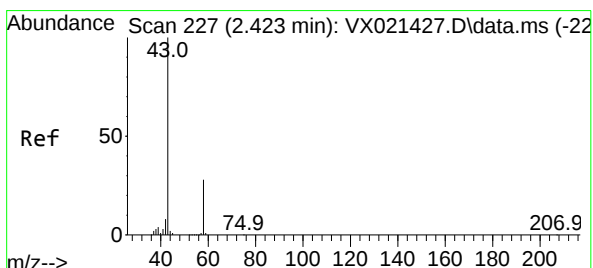
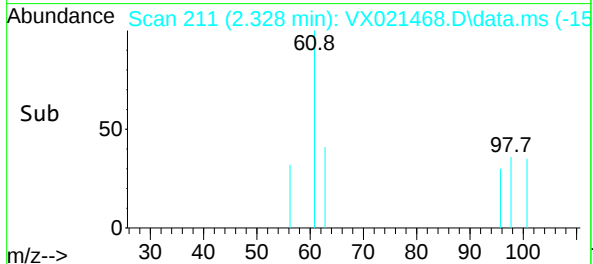
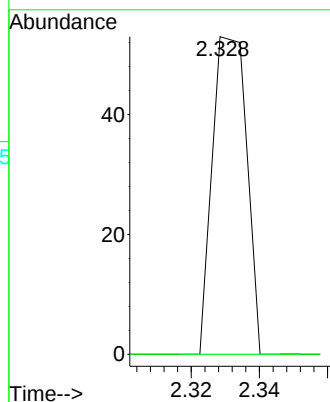
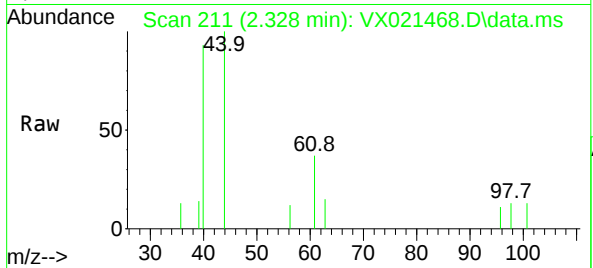




#13
Acrolein
Concen: 4.72 ug/l
RT: 2.328 min Scan# 211
Delta R.T. 0.052 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

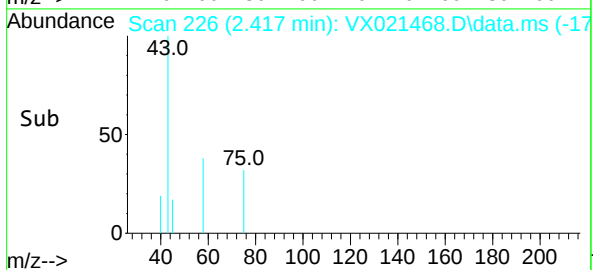
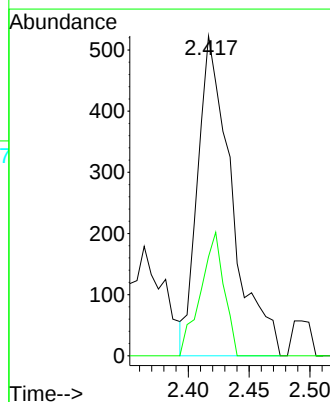
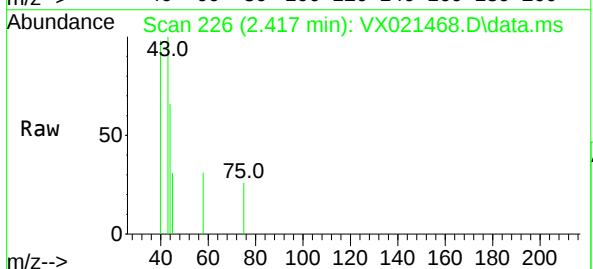
Instrument :
MSVOA_X
ClientSampled :

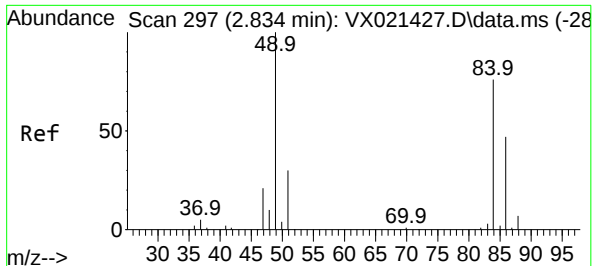
Tgt Ion: 56 Resp: 37
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 2.63 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

Tgt Ion: 43 Resp: 1017
Ion Ratio Lower Upper
43 100
58 31.0 27.8 41.8





#20

Methylene Chloride

Concen: 0.32 ug/l

RT: 2.840 min Scan# 298

Delta R.T. 0.006 min

Lab File: VX021468.D

Acq: 25 Mar 2021 04:56

Tgt Ion: 84 Resp: 240

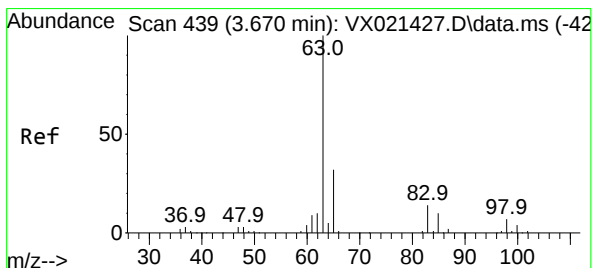
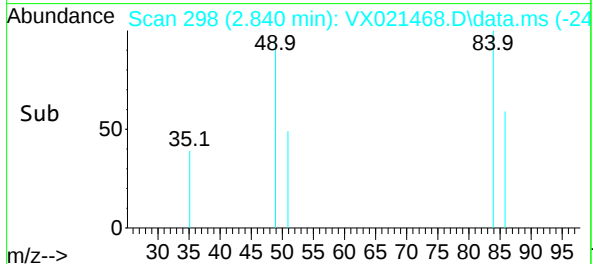
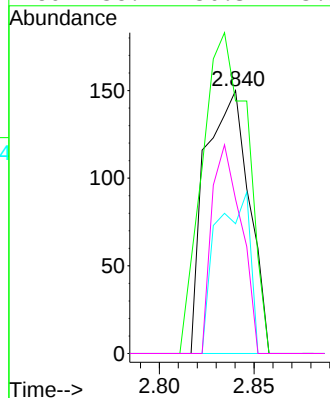
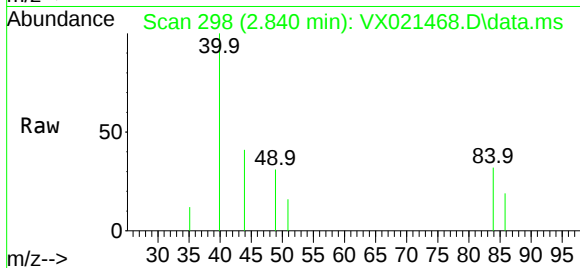
Ion Ratio Lower Upper

84 100

49 96.0 88.6 132.8

51 49.3 27.0 40.6#

86 58.7 50.3 75.5



#24

1,1-Dichloroethane

Concen: 0.94 ug/l

RT: 3.676 min Scan# 440

Delta R.T. 0.006 min

Lab File: VX021468.D

Acq: 25 Mar 2021 04:56

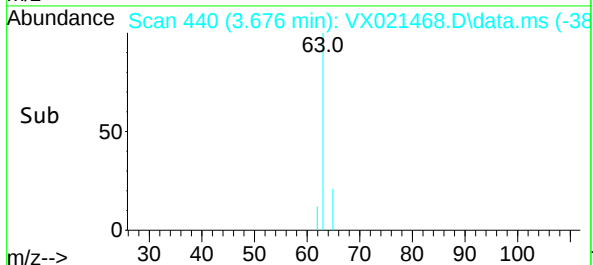
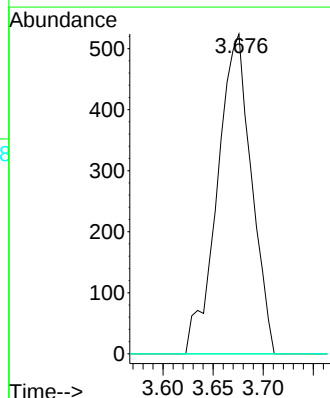
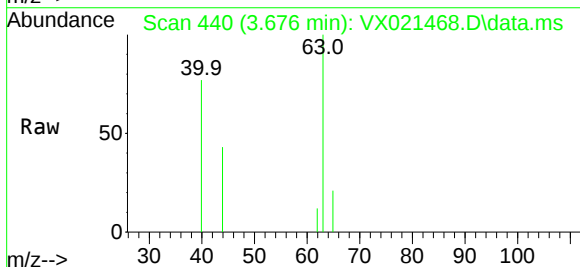
Tgt Ion: 63 Resp: 1236

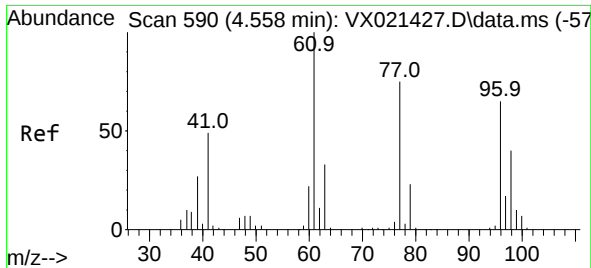
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 5.77 ug/l

RT: 4.564 min Scan# 591

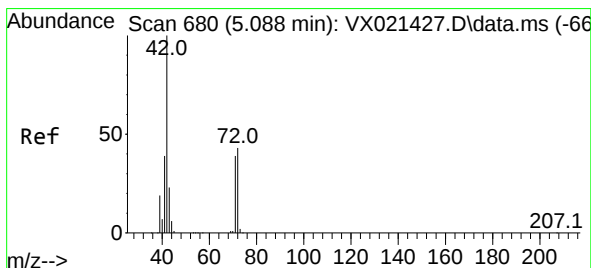
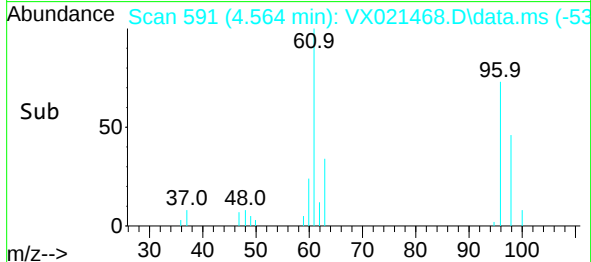
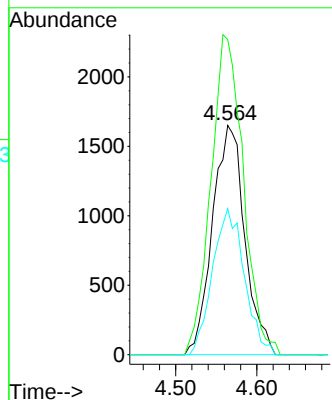
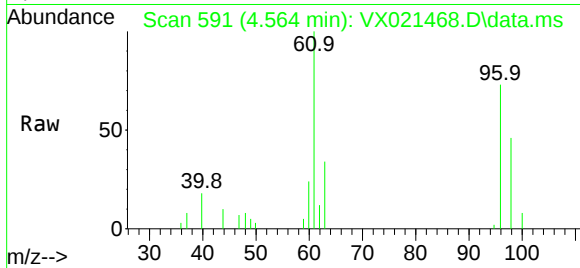
Delta R.T. 0.006 min

Lab File: VX021468.D

Acq: 25 Mar 2021 04:56

Tgt Ion: 96 Resp: 4561

Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	285.6
98	62.8	0.0	129.6



#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.093 min Scan# 681

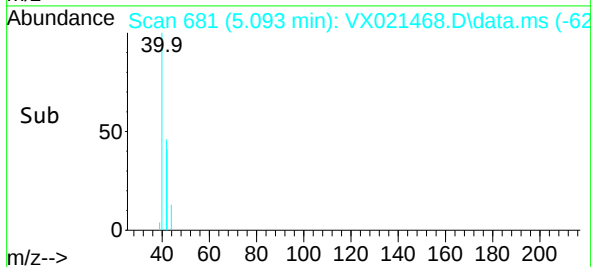
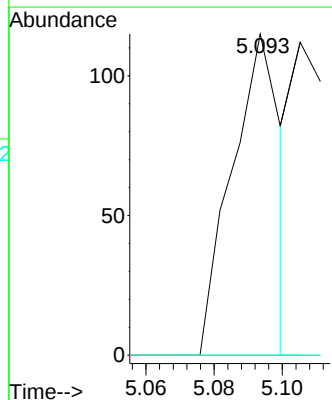
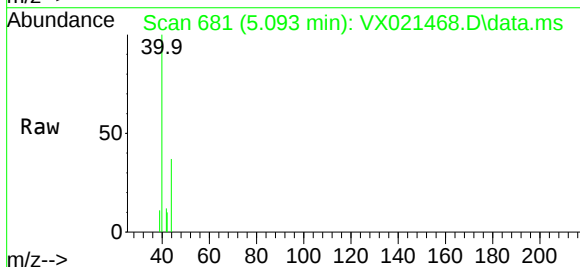
Delta R.T. 0.005 min

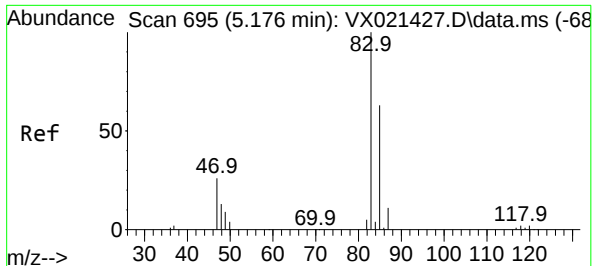
Lab File: VX021468.D

Acq: 25 Mar 2021 04:56

Tgt Ion: 42 Resp: 115

Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#





#30

Chloroform

Concen: 0.62 ug/l

RT: 5.182 min Scan# 696

Delta R.T. 0.006 min

Lab File: VX021468.D

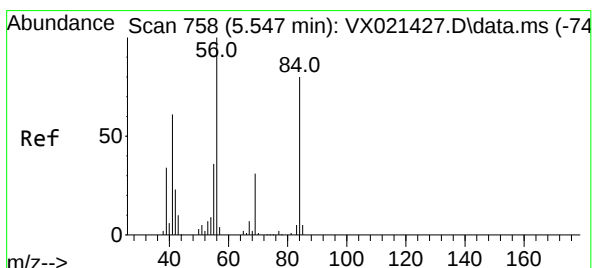
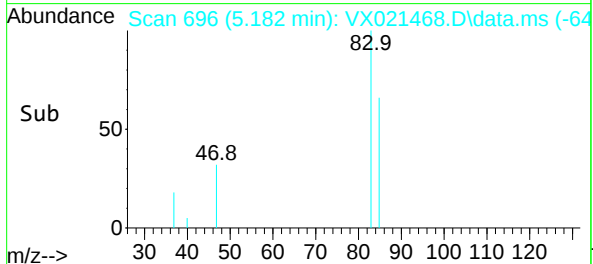
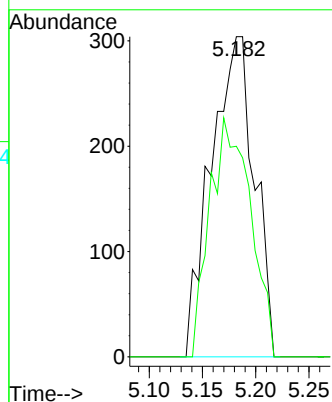
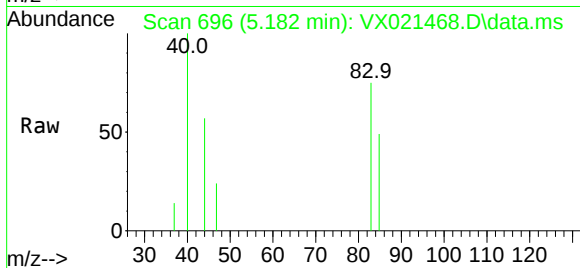
Acq: 25 Mar 2021 04:56

Tgt Ion: 83 Resp: 863

Ion Ratio Lower Upper

83 100

85 65.8 52.0 78.0



#31

Cyclohexane

Concen: 1.57 ug/l

RT: 5.623 min Scan# 771

Delta R.T. 0.076 min

Lab File: VX021468.D

Acq: 25 Mar 2021 04:56

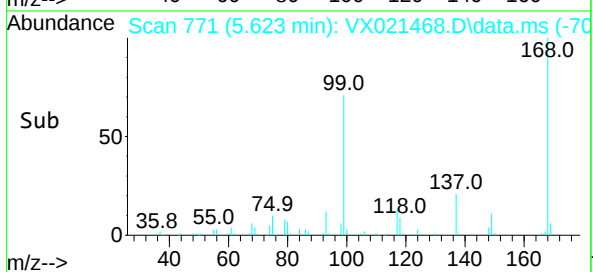
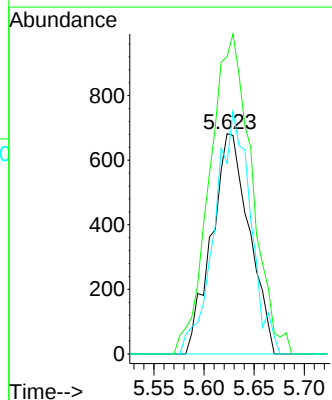
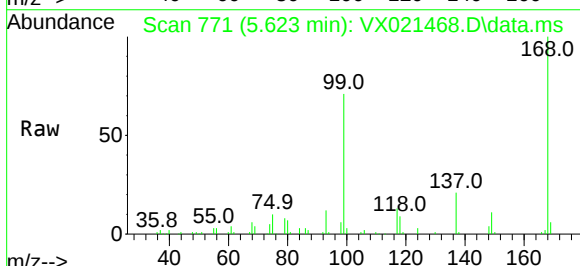
Tgt Ion: 56 Resp: 1770

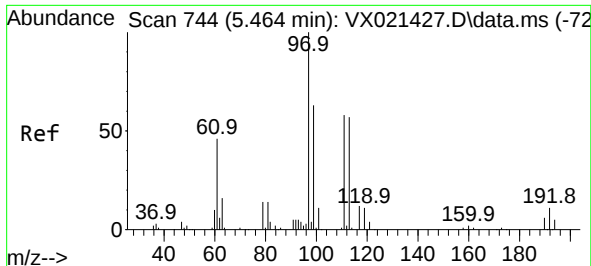
Ion Ratio Lower Upper

56 100

69 127.4 25.3 37.9#

84 86.7 71.4 107.0

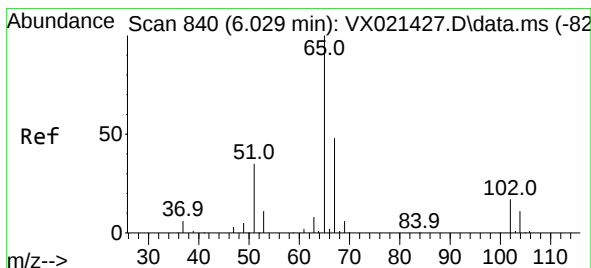
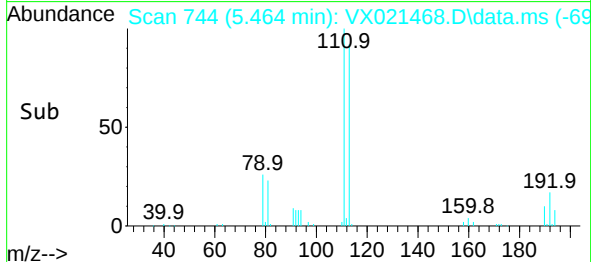
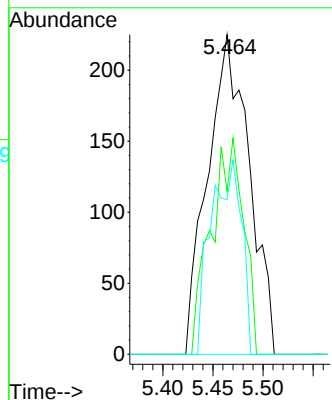
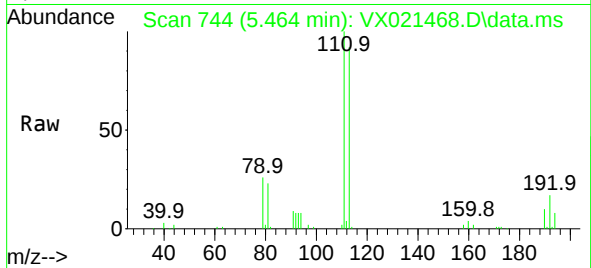




#32
1,1,1-Trichloroethane
Concen: 0.53 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

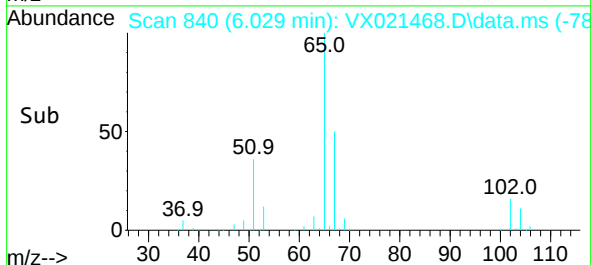
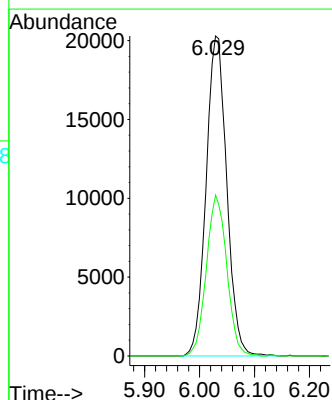
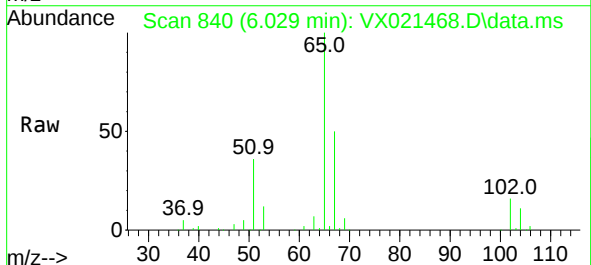
Instrument :
MSVOA_X
ClientSampled :

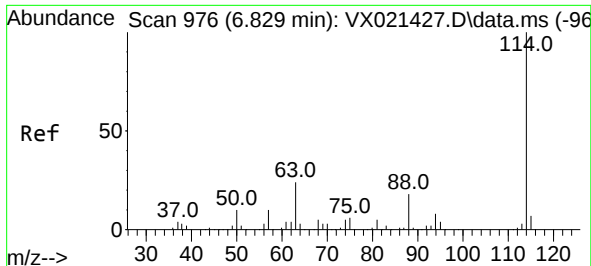
Tgt Ion: 97 Resp: 650
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 44.8 34.2 51.4



#33
1,2-Dichloroethane-d4
Concen: 51.66 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

Tgt Ion: 65 Resp: 52902
Ion Ratio Lower Upper
65 100
67 49.8 0.0 105.4

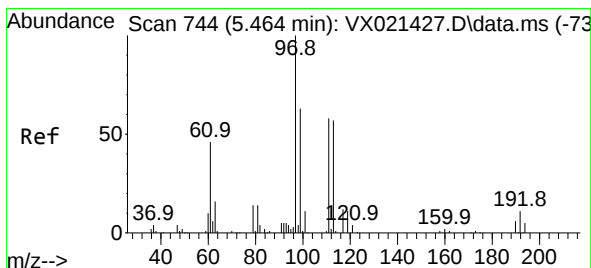
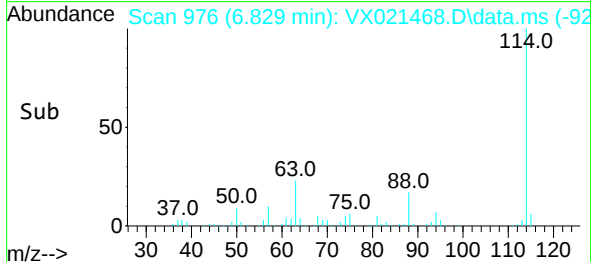
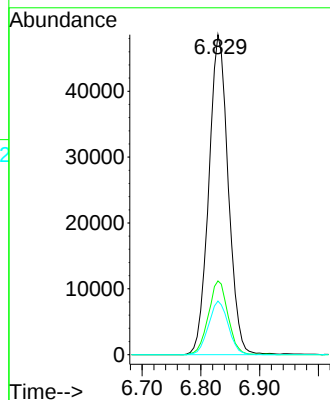
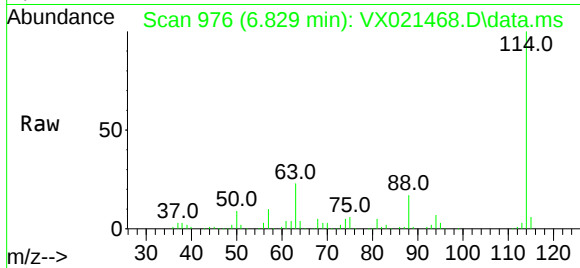




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

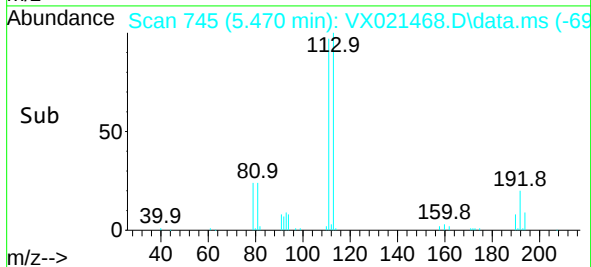
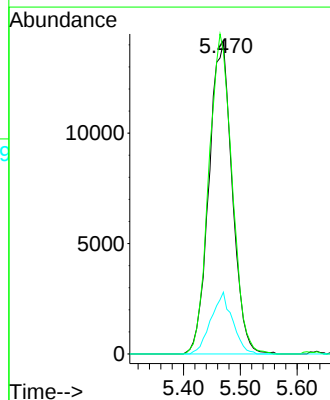
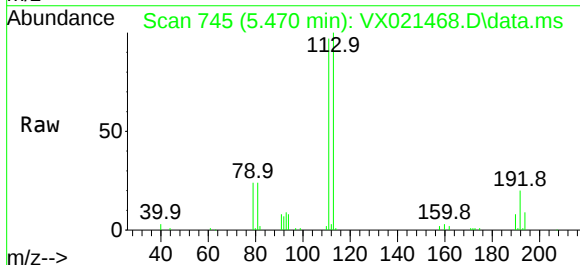
Instrument :
MSVOA_X
ClientSampleId :

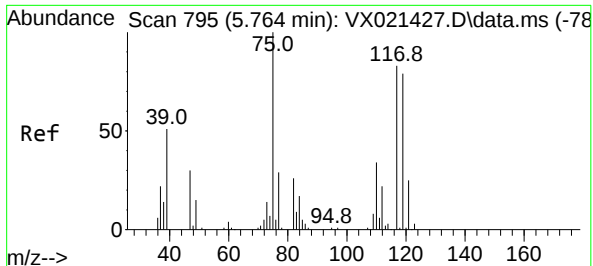
Tgt Ion:114 Resp: 111500
Ion Ratio Lower Upper
114 100
63 23.1 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.70 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

Tgt Ion:113 Resp: 40153
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 18.3 16.7 25.1

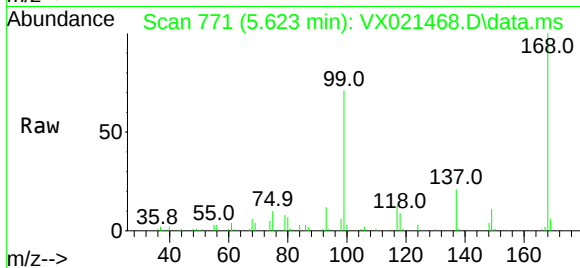




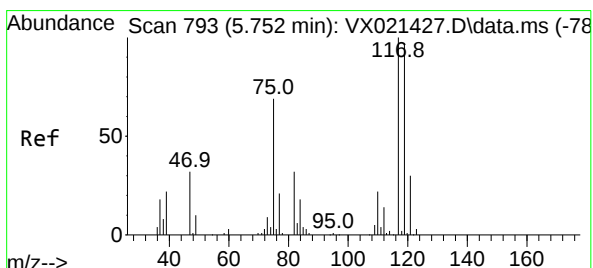
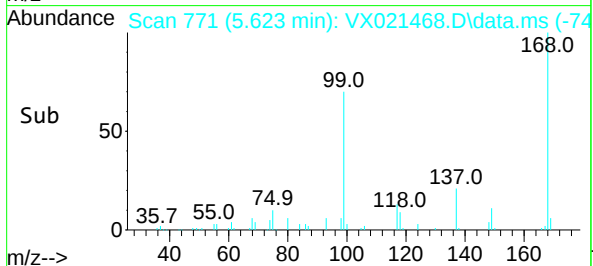
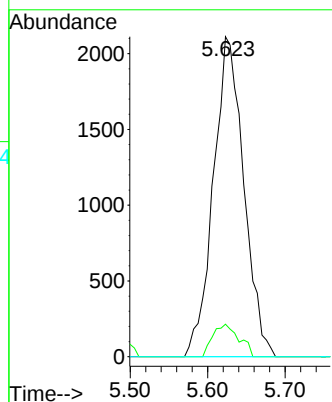
#36

1,1-Dichloropropene
Concen: 5.28 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

Instrument :
MSVOA_X
ClientSampled :

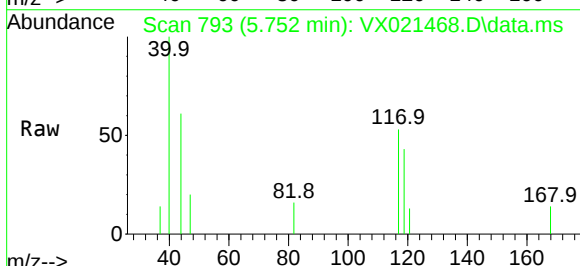


Tgt Ion:	75	Resp:	5768
Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.1	54.4#
77	0.0	25.3	37.9#

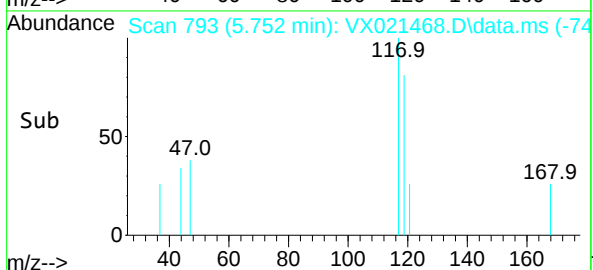
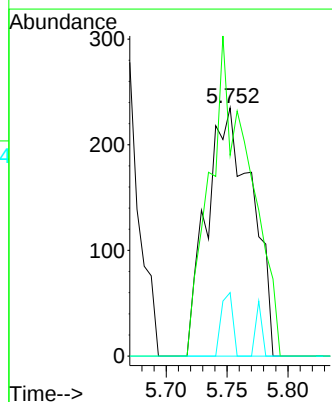


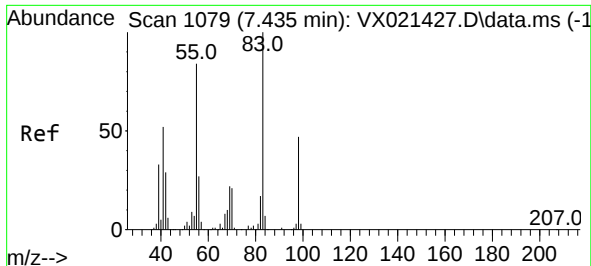
#38

Carbon Tetrachloride
Concen: 0.52 ug/l
RT: 5.752 min Scan# 793
Delta R.T. 0.000 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56



Tgt Ion:	117	Resp:	606
Ion	Ratio	Lower	Upper
117	100		
119	80.9	76.2	114.2
121	25.5	24.8	37.2





#39

Methylcyclohexane

Concen: 3.32 ug/l

RT: 7.188 min Scan# 1037

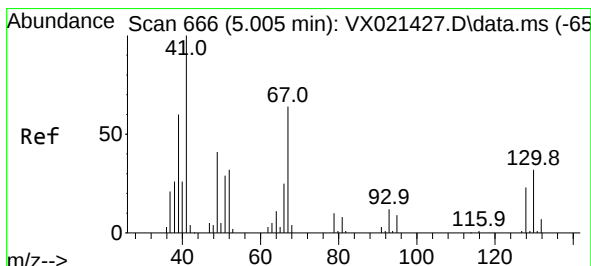
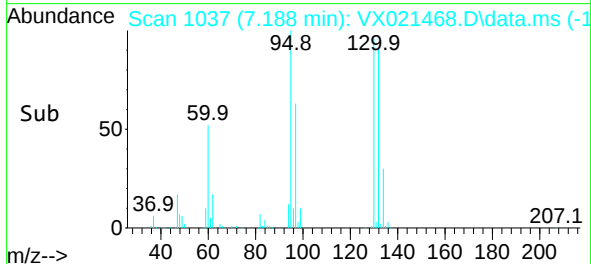
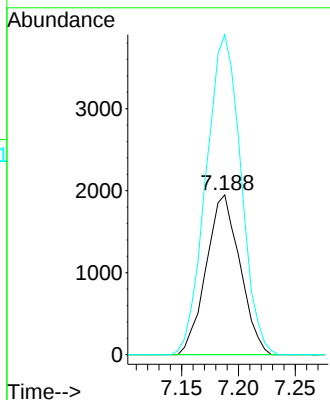
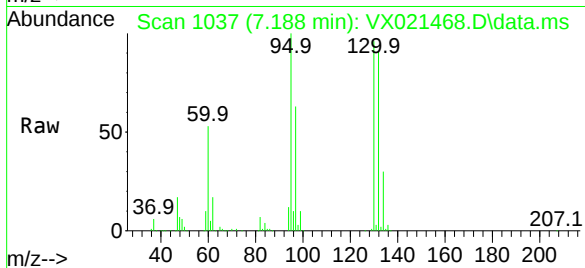
Delta R.T. -0.247 min

Lab File: VX021468.D

Acq: 25 Mar 2021 04:56

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	83	Resp:	4027
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	200.3	38.1	57.1#



#41

Methacrylonitrile

Concen: 0.25 ug/l

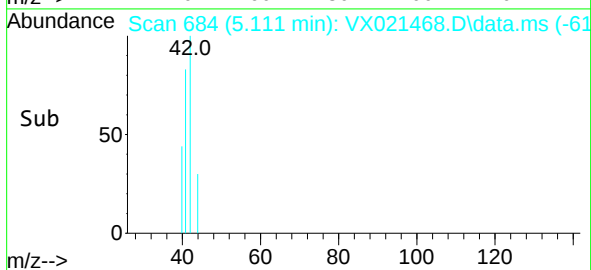
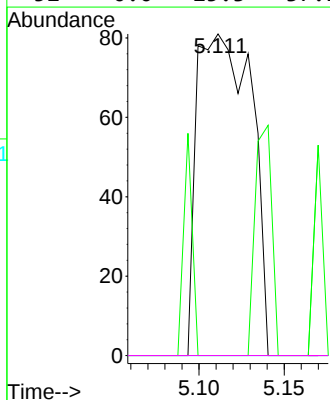
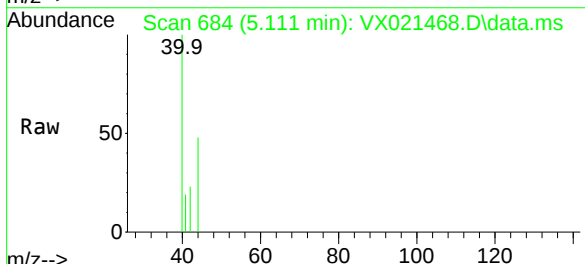
RT: 5.111 min Scan# 684

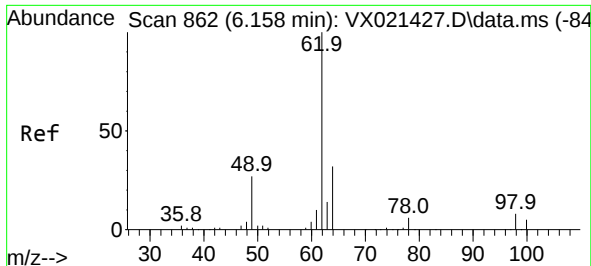
Delta R.T. 0.106 min

Lab File: VX021468.D

Acq: 25 Mar 2021 04:56

Tgt Ion:	41	Resp:	180
Ion	Ratio	Lower	Upper
41	100		
39	11.1	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#

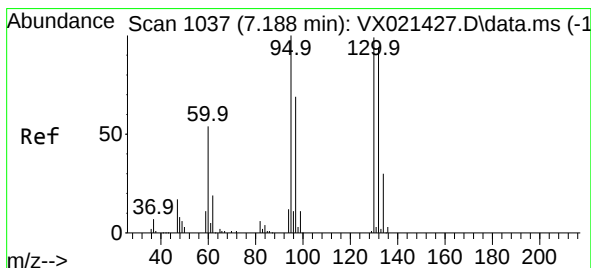
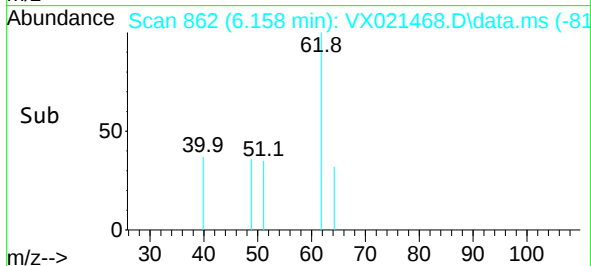
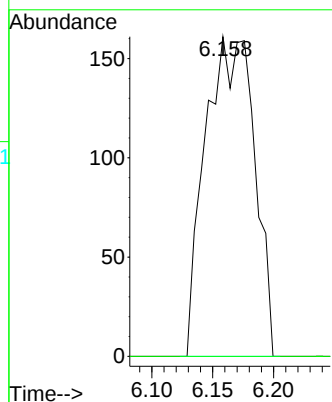
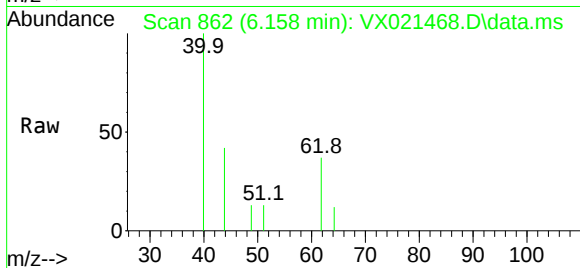




#42
1,2-Dichloroethane
Concen: 0.34 ug/l
RT: 6.158 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

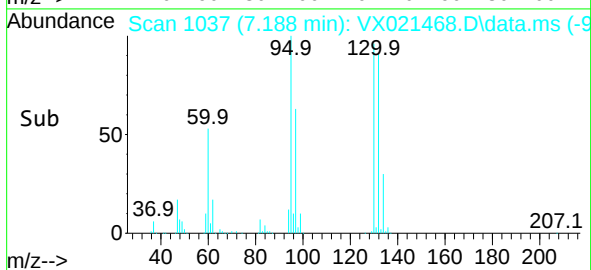
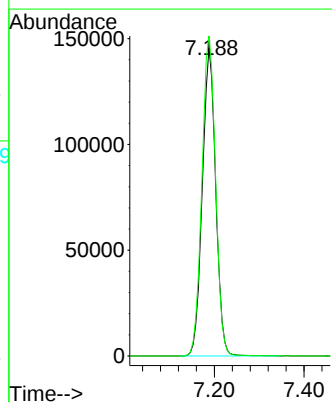
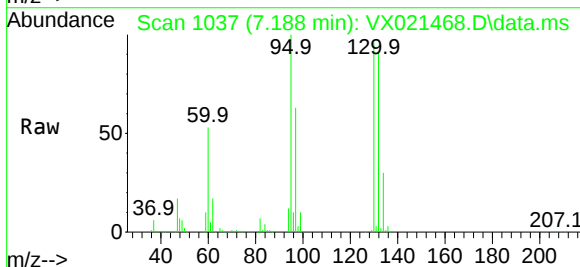
Instrument :
MSVOA_X
ClientSampled :

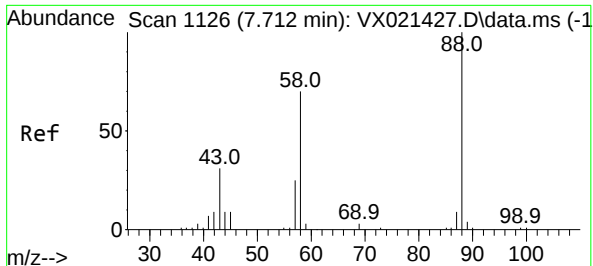
Tgt Ion: 62 Resp: 453
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#44
Trichloroethene
Concen: 366.72 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

Tgt Ion:130 Resp: 300231
Ion Ratio Lower Upper
130 100
95 104.0 0.0 198.0





#49

1,4-Dioxane

Concen: 39.00 ug/l

RT: 7.717 min Scan# 1127

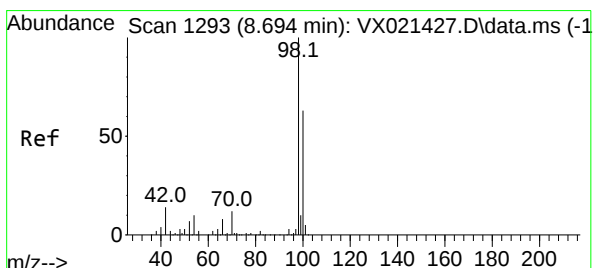
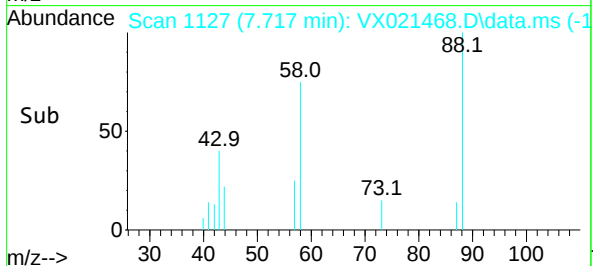
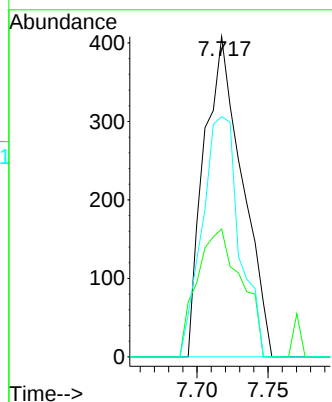
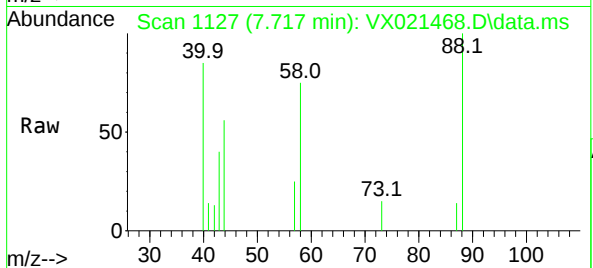
Delta R.T. 0.005 min

Lab File: VX021468.D

Acq: 25 Mar 2021 04:56

Tgt Ion:	88	Resp:	764
Ion	Ratio	Lower	Upper
88	100		
43	46.3	23.2	34.8#
58	73.0	55.0	82.4

Instrument :
MSVOA_X
ClientSampled :



#50

Toluene-d8

Concen: 50.11 ug/l

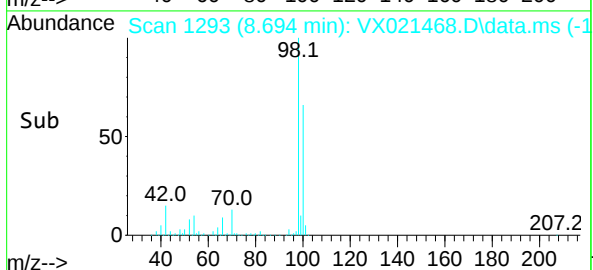
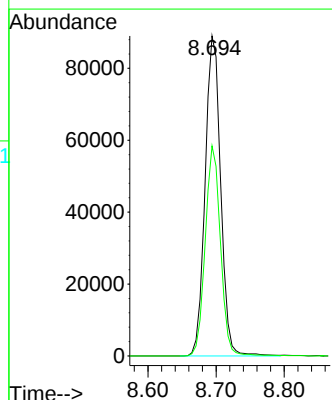
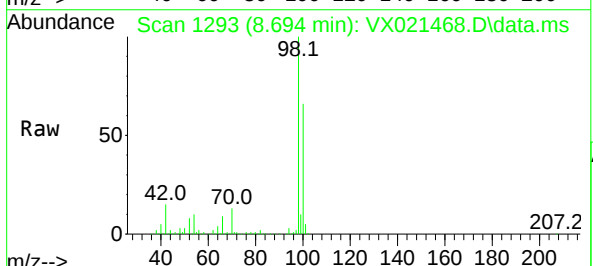
RT: 8.694 min Scan# 1293

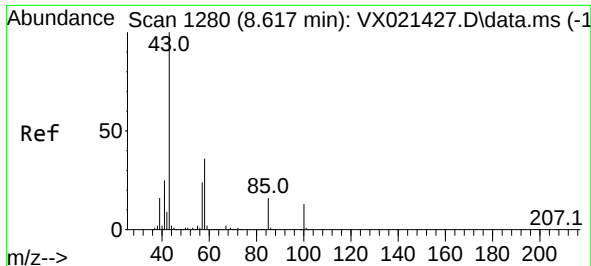
Delta R.T. -0.000 min

Lab File: VX021468.D

Acq: 25 Mar 2021 04:56

Tgt Ion:	98	Resp:	141437
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9

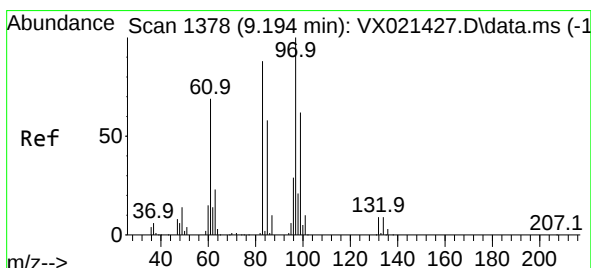
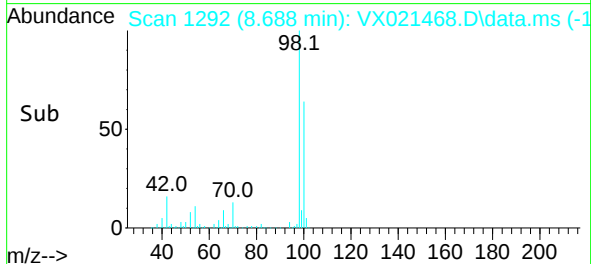
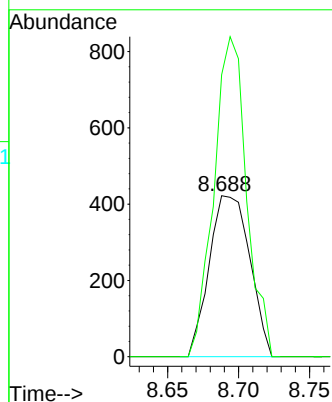
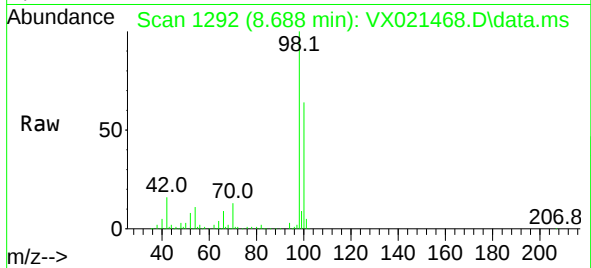




#51
4-Methyl-2-Pentanone
Concen: 0.66 ug/l
RT: 8.688 min Scan# 1292
Delta R.T. 0.071 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

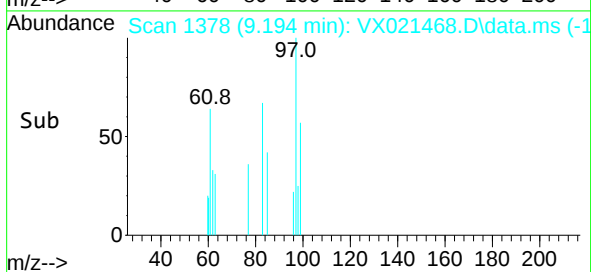
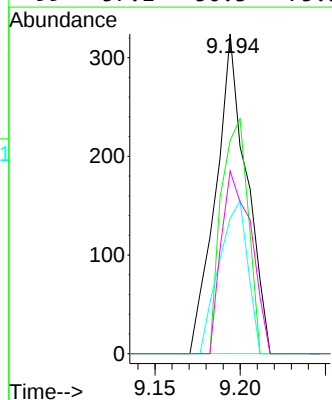
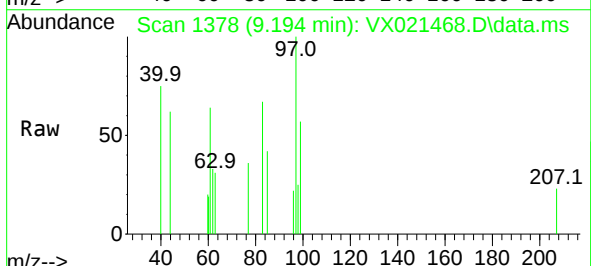
Instrument :
MSVOA_X
ClientSampled :

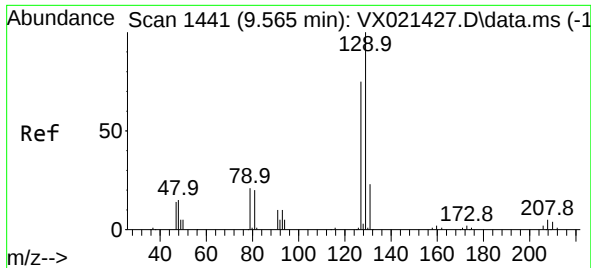
Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
58 160.5 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.50 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

Tgt Ion: 97 Resp: 407
Ion Ratio Lower Upper
97 100
83 66.7 69.3 103.9#
85 42.3 44.3 66.5#
99 57.1 50.3 75.5

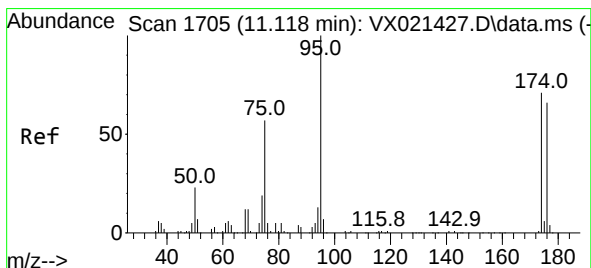
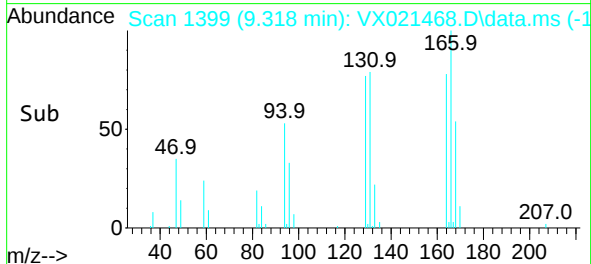
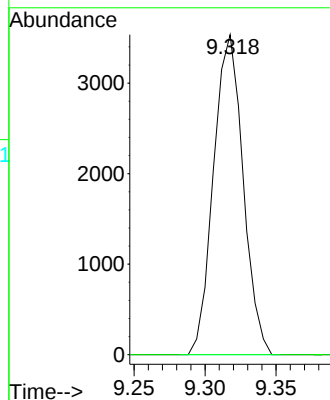
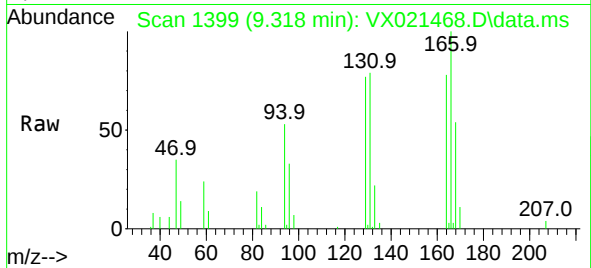




#60
Dibromochloromethane
Concen: 5.65 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

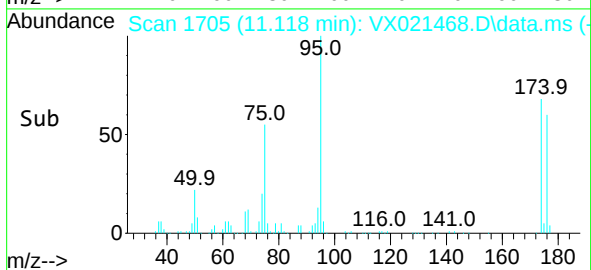
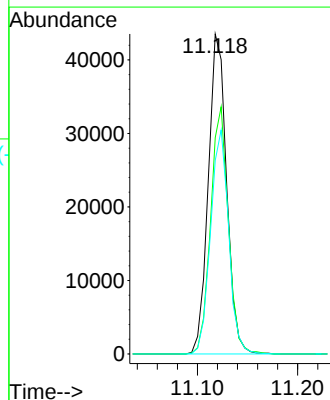
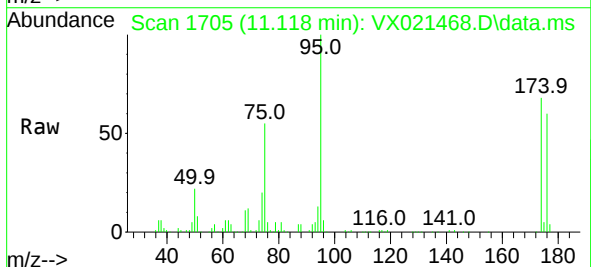
Instrument :
MSVOA_X
ClientSampled :

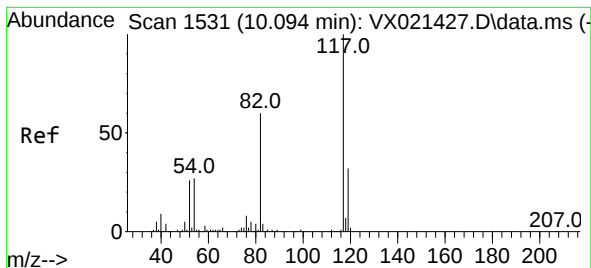
Tgt Ion:129 Resp: 5118
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 50.39 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

Tgt Ion: 95 Resp: 55287
Ion Ratio Lower Upper
95 100
174 74.8 0.0 154.6
176 69.1 0.0 155.8

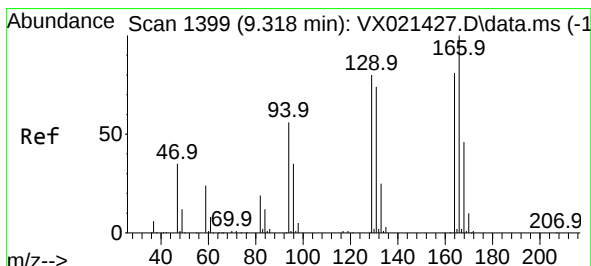
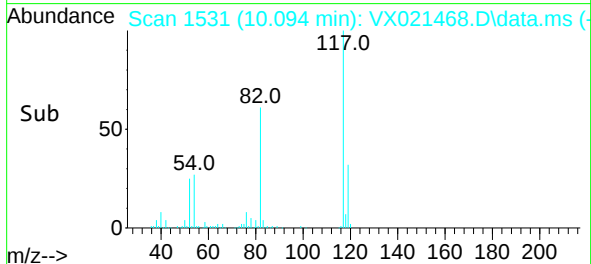
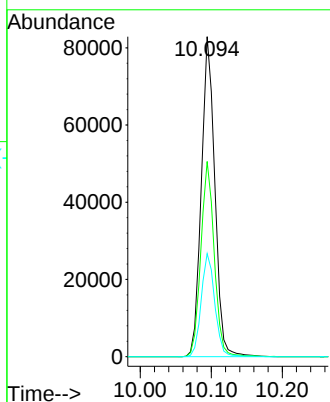
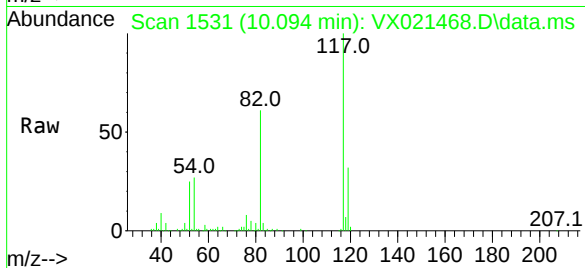




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

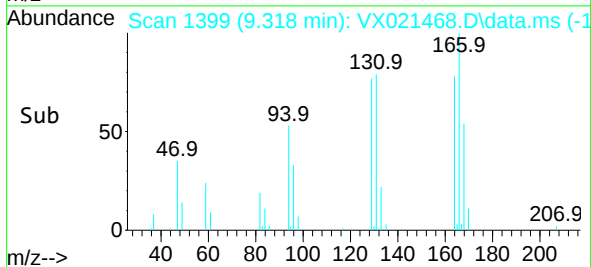
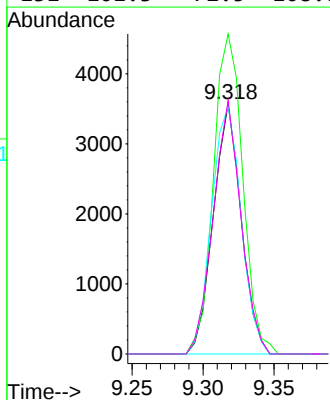
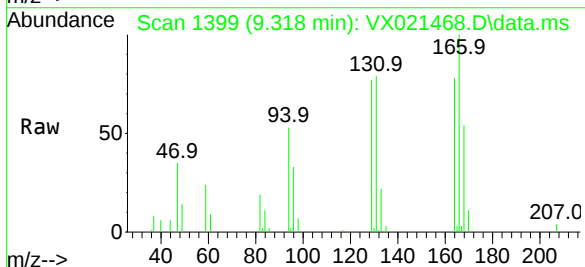
Instrument :
MSVOA_X
ClientSampled :

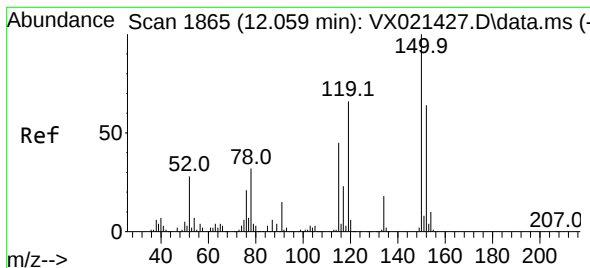
Tgt Ion:117 Resp: 110073
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.2
119 32.2 26.6 39.8



#64
Tetrachloroethene
Concen: 6.59 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021468.D
Acq: 25 Mar 2021 04:56

Tgt Ion:164 Resp: 4861
Ion Ratio Lower Upper
164 100
166 127.9 103.4 155.2
129 99.0 70.8 106.2
131 101.3 72.5 108.7

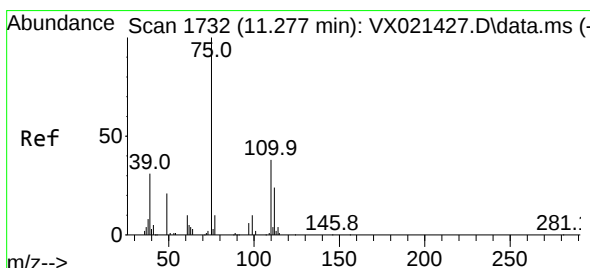
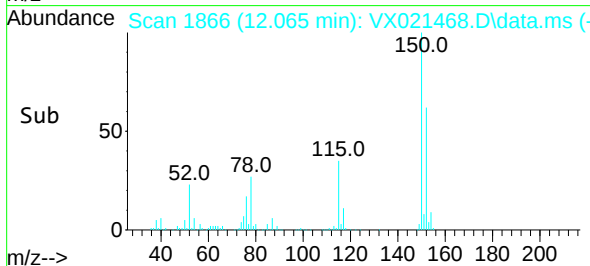
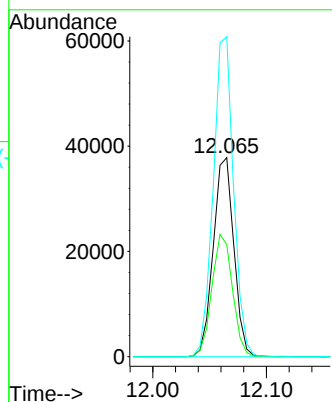
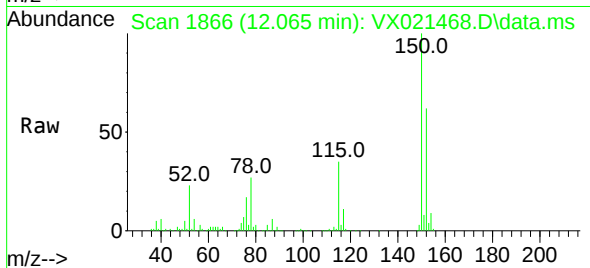




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.065 min Scan# 1866
 Delta R.T. 0.006 min
 Lab File: VX021468.D
 Acq: 25 Mar 2021 04:56

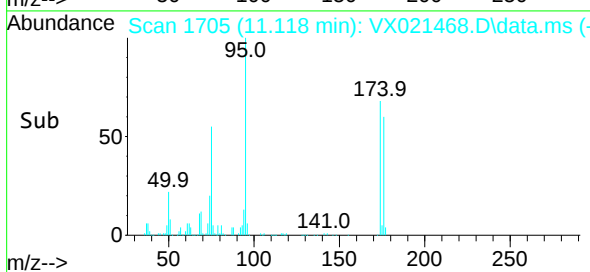
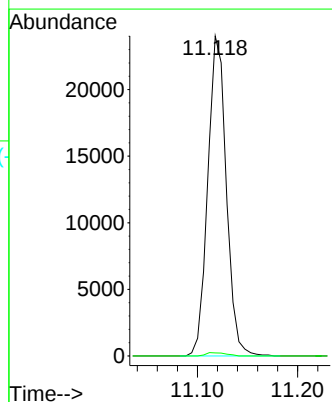
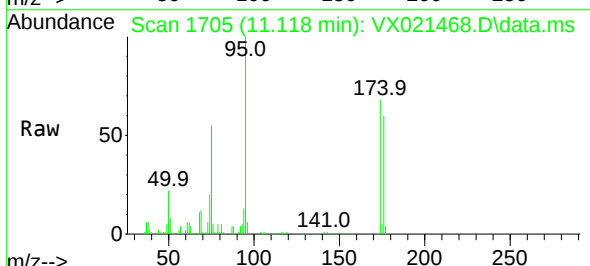
Instrument :
 MSVOA_X
 ClientSampleId :

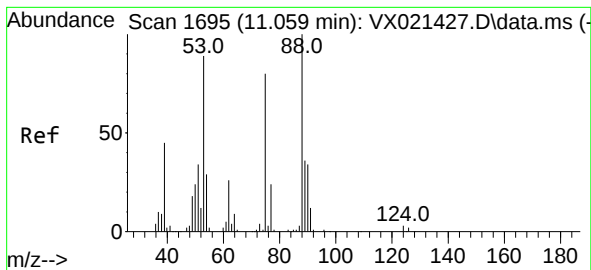
Tgt Ion:152 Resp: 47722
 Ion Ratio Lower Upper
 152 100
 115 61.4 41.1 123.3
 150 158.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.82 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021468.D
 Acq: 25 Mar 2021 04:56

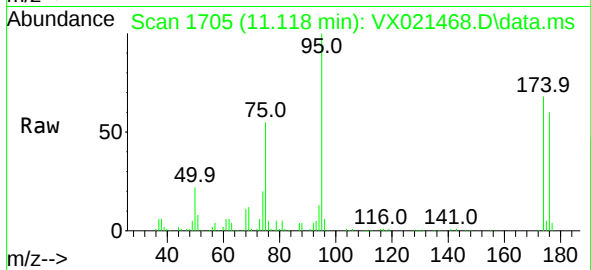
Tgt Ion: 75 Resp: 30911
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.75 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021468.D
 Acq: 25 Mar 2021 04:56

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30911
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

