

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021467.D
 Acq On : 25 Mar 2021 04:32
 Operator : JC/MD
 Sample : M1787-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

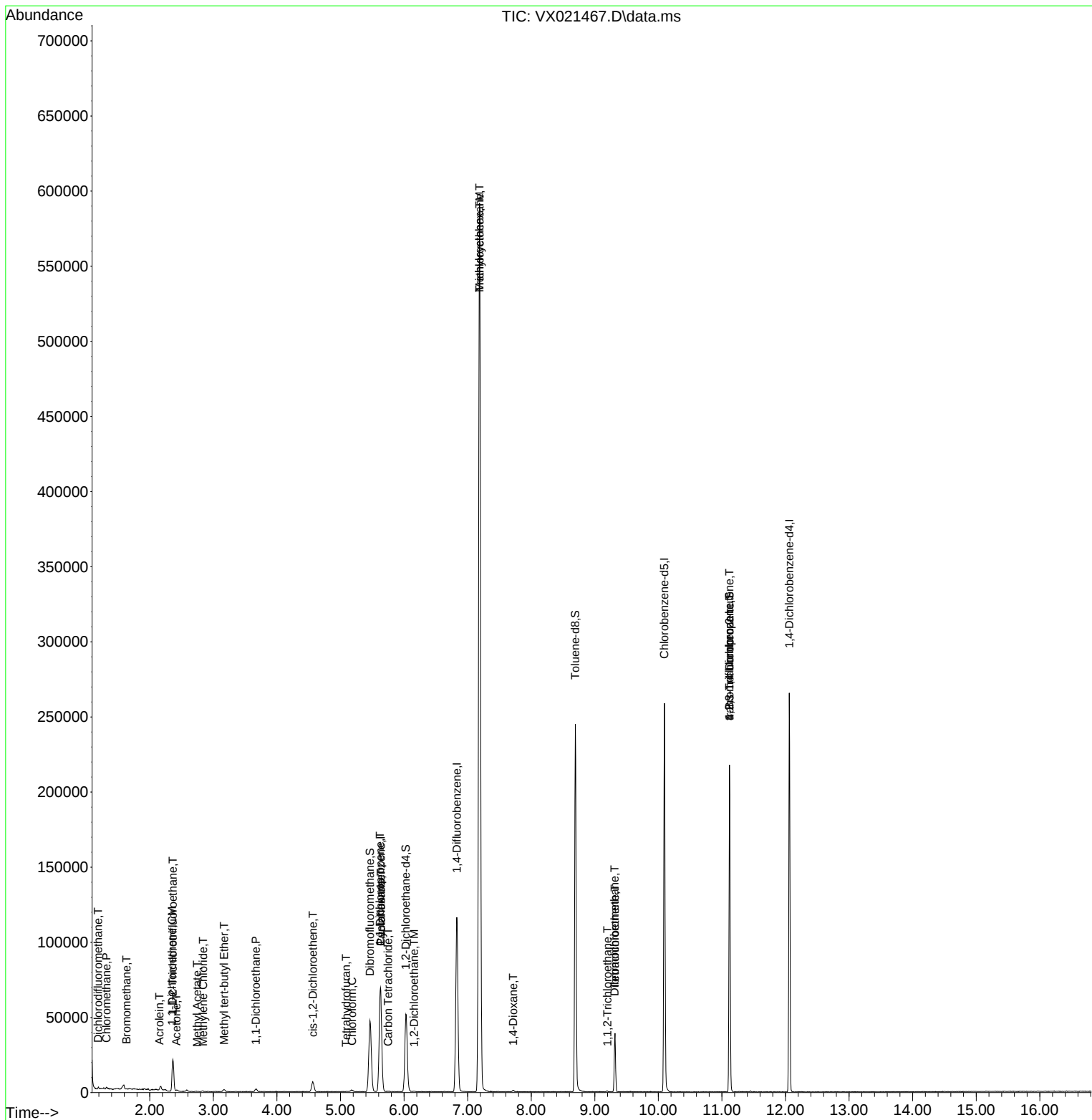
Quant Time: Mar 25 06:56:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.635	168	59239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	108215	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	108153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	49477	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	50964	51.71	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.42%	
35) Dibromofluoromethane	5.464	113	38273	49.79	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.58%	
50) Toluene-d8	8.694	98	136570	49.86	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.72%	
62) 4-Bromofluorobenzene	11.118	95	55396	52.02	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	269	0.41	ug/l	85
3) Chloromethane	1.317	50	1664	2.26	ug/l #	67
5) Bromomethane	1.634	94	80	0.30	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.364	101	6797	11.15	ug/l	95
12) 1,1-Dichloroethene	2.352	96	1534	2.57	ug/l #	91
13) Acrolein	2.152	56	36	4.73	ug/l #	82
16) Acetone	2.417	43	820	2.20	ug/l #	78
18) Methyl Acetate	2.746	43	310	0.29	ug/l #	47
19) Methyl tert-butyl Ether	3.170	73	1416	0.64	ug/l	92
20) Methylene Chloride	2.840	84	180	0.25	ug/l #	63
24) 1,1-Dichloroethane	3.670	63	2155	1.70	ug/l #	93
27) cis-1,2-Dichloroethene	4.564	96	3751	4.93	ug/l	99
29) Tetrahydrofuran	5.088	42	101	0.28	ug/l #	27
30) Chloroform	5.182	83	1265	0.94	ug/l	93
31) Cyclohexane	5.635	56	1815	1.67	ug/l #	27
36) 1,1-Dichloropropene	5.623	75	5463	5.15	ug/l #	49
38) Carbon Tetrachloride	5.747	117	243	0.21	ug/l #	63
39) Methylcyclohexane	7.188	83	2853	2.43	ug/l #	1
42) 1,2-Dichloroethane	6.158	62	365	0.28	ug/l #	73
44) Trichloroethene	7.188	130	205232	258.30	ug/l	94
49) 1,4-Dioxane	7.717	88	521	27.40	ug/l #	71
55) 1,1,2-Trichloroethane	9.200	97	158	0.20	ug/l #	63
60) Dibromochloromethane	9.312	129	6388	7.27	ug/l #	11
64) Tetrachloroethene	9.318	164	6476	8.94	ug/l	97
76) 1,2,3-Trichloropropane	11.118	75	30833	26.77	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30833	81.54	ug/l #	12

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

Quant Time: Mar 25 06:56:31 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

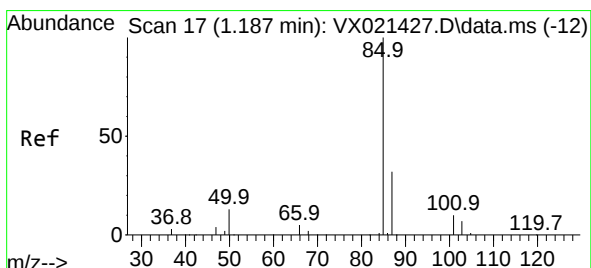
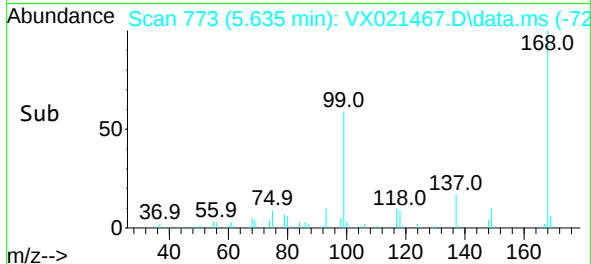
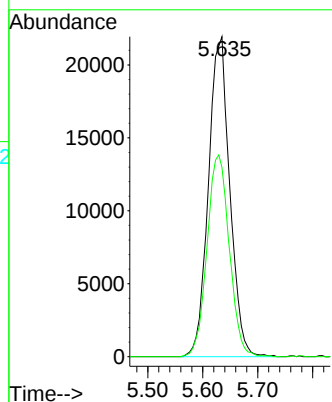
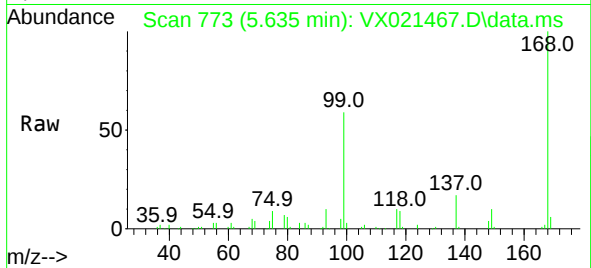




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

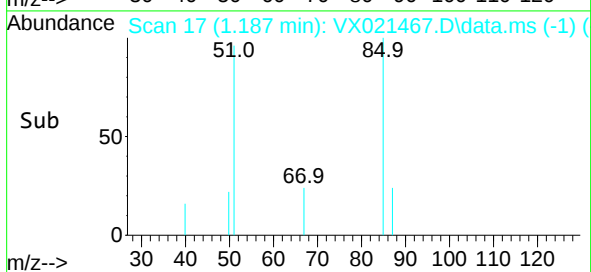
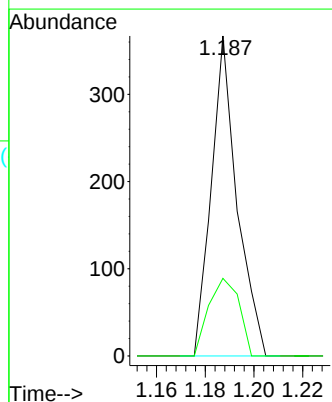
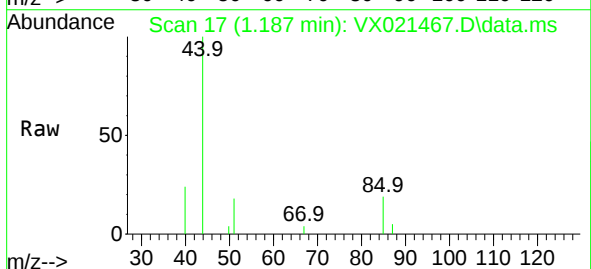
Instrument :
MSVOA_X
ClientSampled :

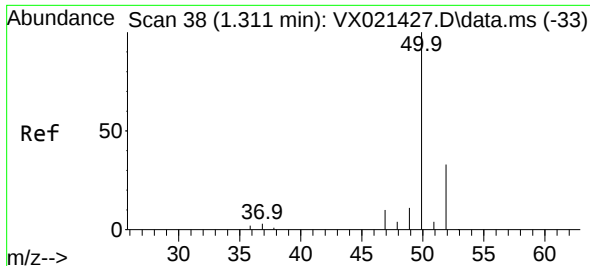
Tgt Ion:168 Resp: 59239
Ion Ratio Lower Upper
168 100
99 59.1 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.41 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

Tgt Ion: 85 Resp: 269
Ion Ratio Lower Upper
85 100
87 24.3 16.4 49.2

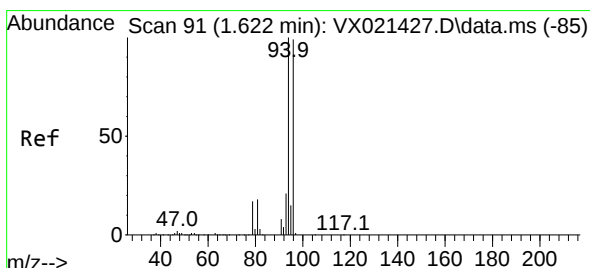
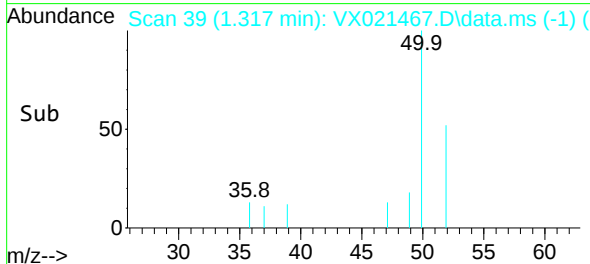
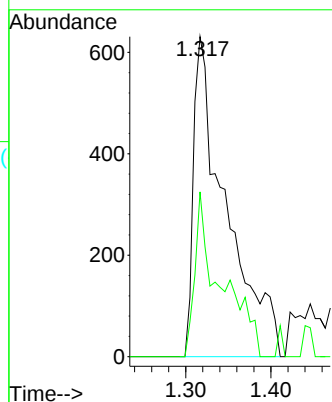
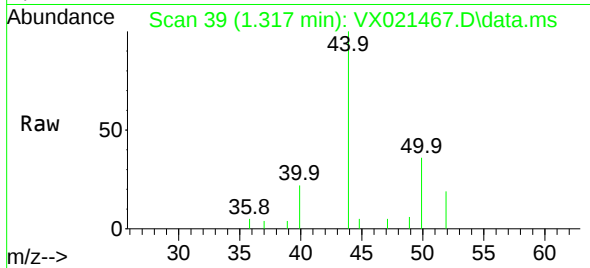




#3
Chloromethane
Concen: 2.26 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

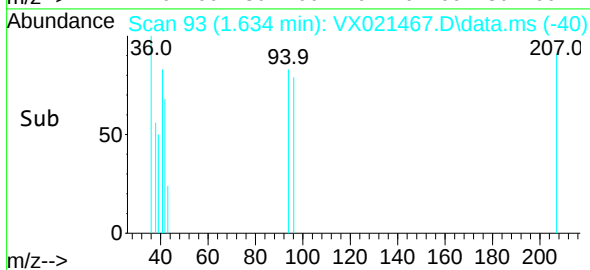
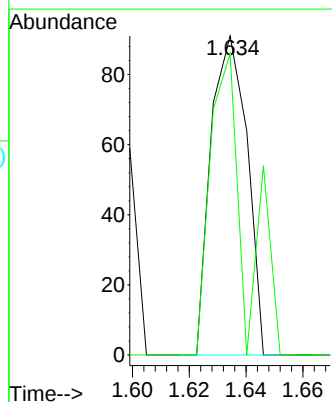
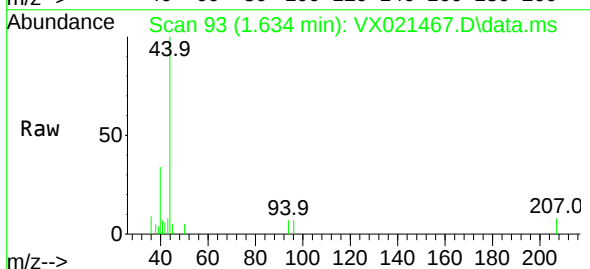
Instrument :
MSVOA_X
ClientSampled :

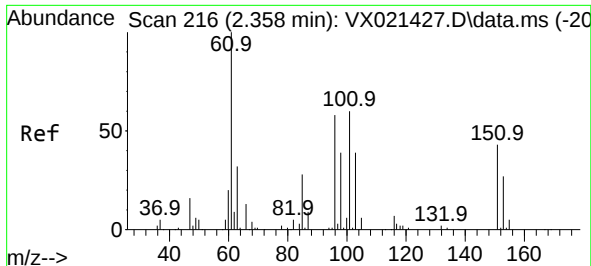
Tgt Ion: 50 Resp: 1664
Ion Ratio Lower Upper
50 100
52 51.5 26.4 39.6#



#5
Bromomethane
Concen: 0.30 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

Tgt Ion: 94 Resp: 80
Ion Ratio Lower Upper
94 100
96 94.5 76.4 114.6

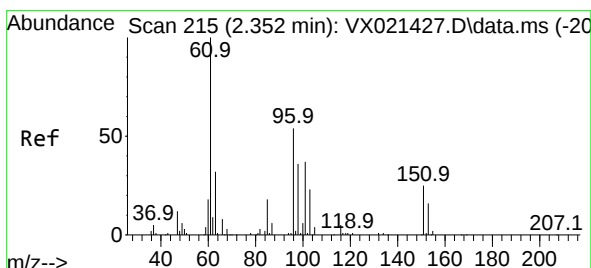
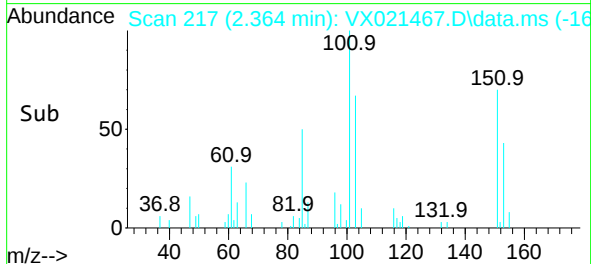
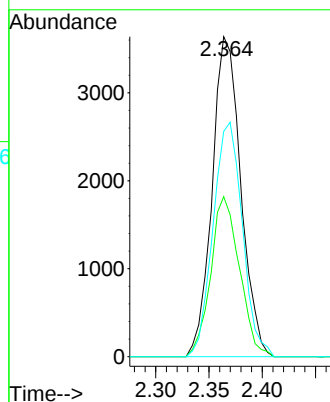
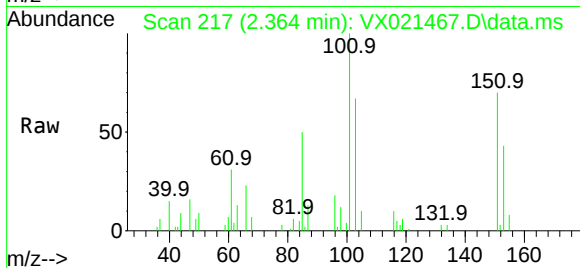




#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.15 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

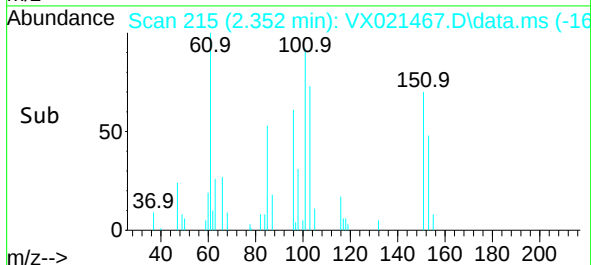
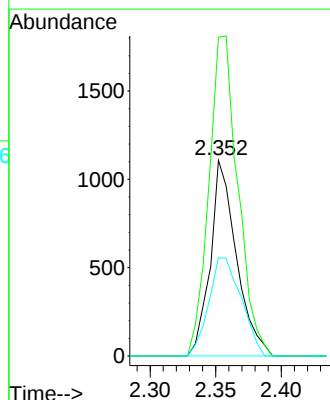
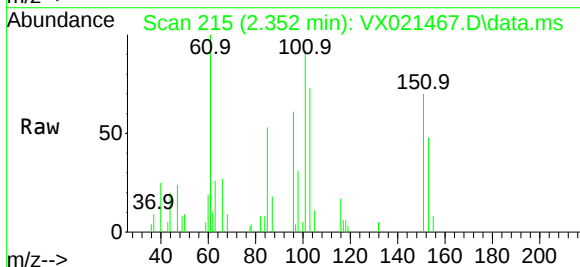
Instrument :
MSVOA_X
ClientSampleId :

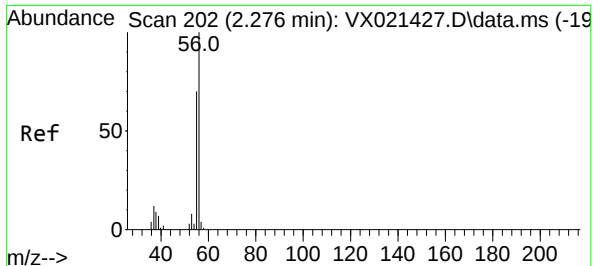
Tgt Ion:101 Resp: 6797
Ion Ratio Lower Upper
101 100
85 50.1 34.9 52.3
151 75.1 61.4 92.2



#12
1,1-Dichloroethene
Concen: 2.57 ug/l
RT: 2.352 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

Tgt Ion: 96 Resp: 1534
Ion Ratio Lower Upper
96 100
61 162.9 124.6 187.0
98 50.3 50.6 76.0#

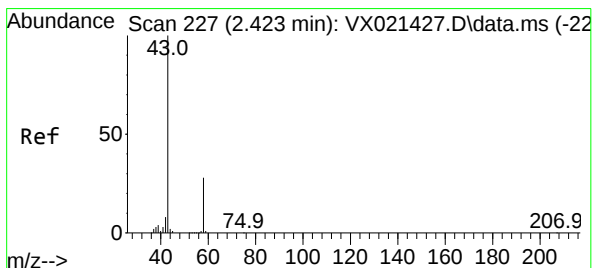
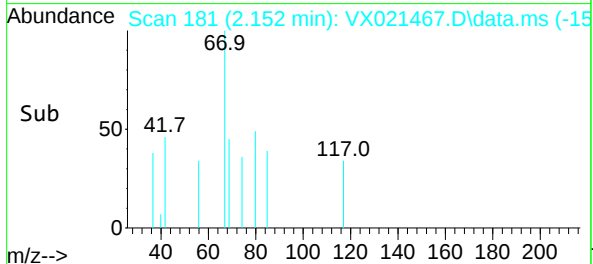
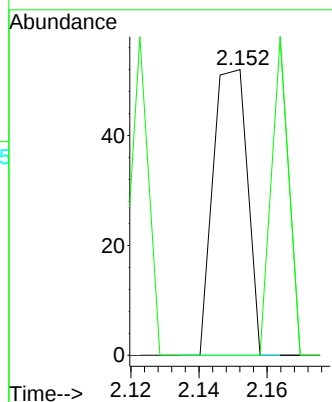
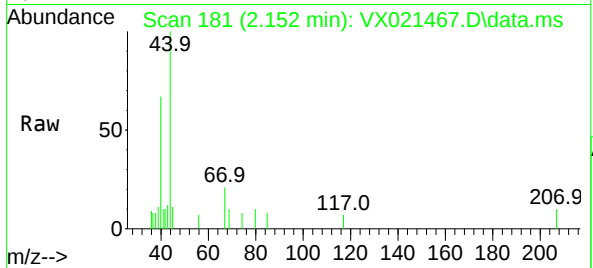




#13
Acrolein
Concen: 4.73 ug/l
RT: 2.152 min Scan# 181
Delta R.T. -0.124 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

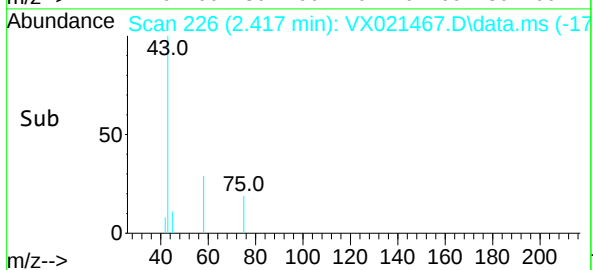
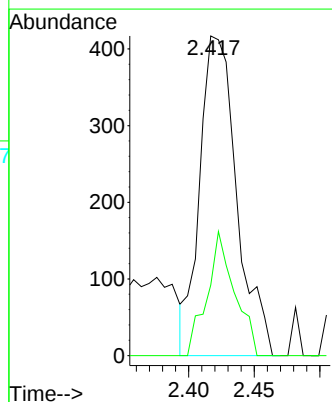
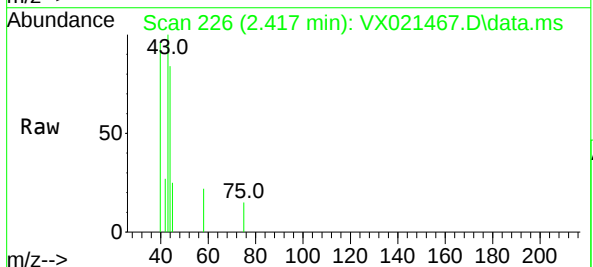
Instrument :
MSVOA_X
ClientSampled :

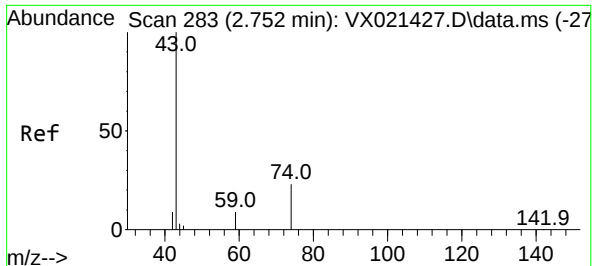
Tgt Ion: 56 Resp: 36
Ion Ratio Lower Upper
56 100
55 55.6 56.4 84.6#



#16
Acetone
Concen: 2.20 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

Tgt Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
58 22.1 27.8 41.8#





#18

Methyl Acetate

Concen: 0.29 ug/l

RT: 2.746 min Scan# 282

Delta R.T. -0.006 min

Lab File: VX021467.D

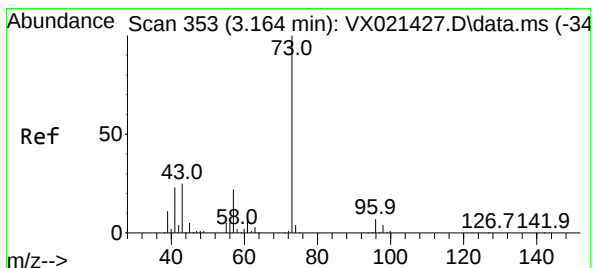
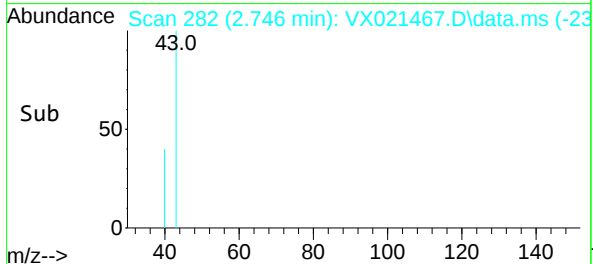
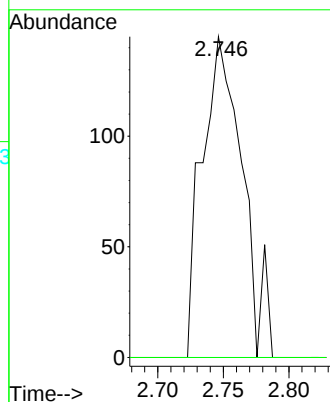
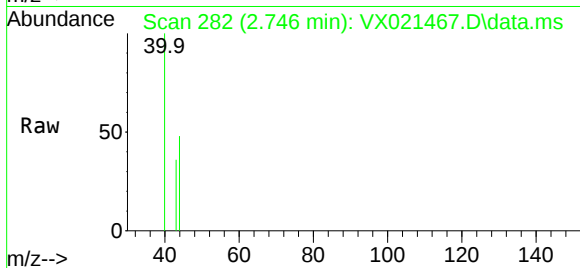
Acq: 25 Mar 2021 04:32

Tgt Ion: 43 Resp: 310

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#19

Methyl tert-butyl Ether

Concen: 0.64 ug/l

RT: 3.170 min Scan# 354

Delta R.T. 0.006 min

Lab File: VX021467.D

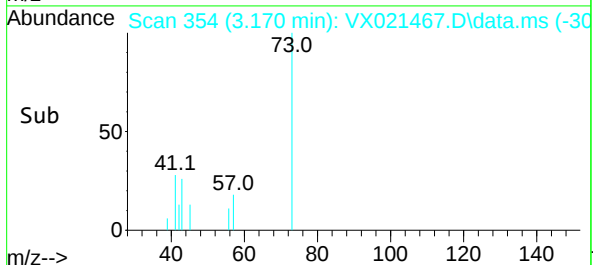
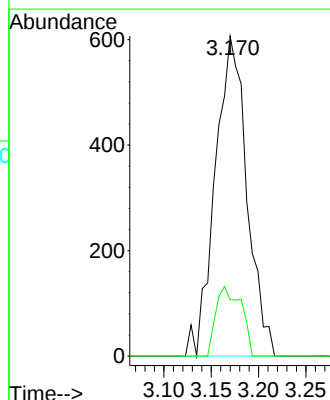
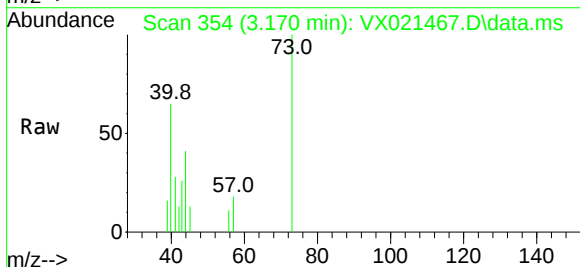
Acq: 25 Mar 2021 04:32

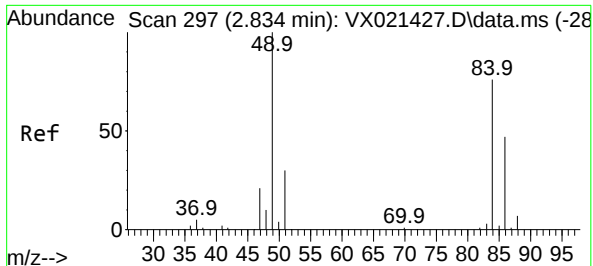
Tgt Ion: 73 Resp: 1416

Ion Ratio Lower Upper

73 100

57 17.6 17.1 25.7





#20

Methylene Chloride

Concen: 0.25 ug/l

RT: 2.840 min Scan# 298

Delta R.T. 0.006 min

Lab File: VX021467.D

Acq: 25 Mar 2021 04:32

Tgt Ion: 84 Resp: 180

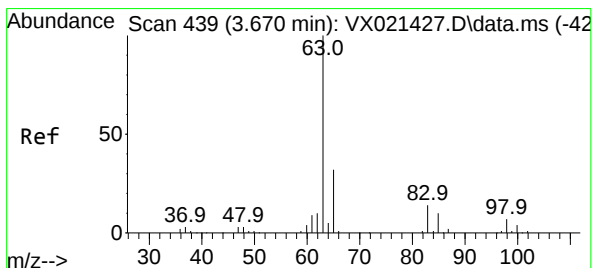
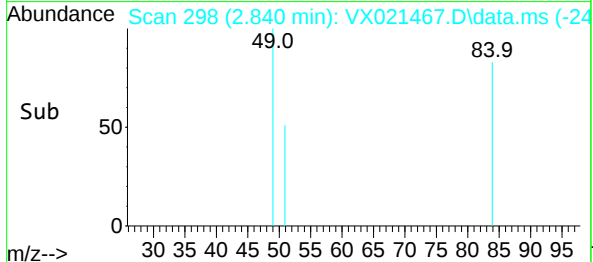
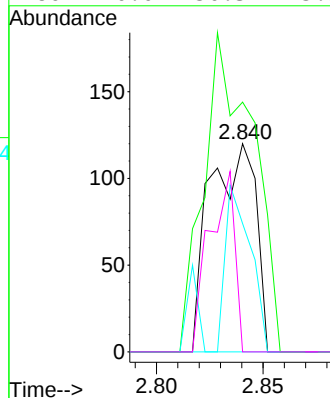
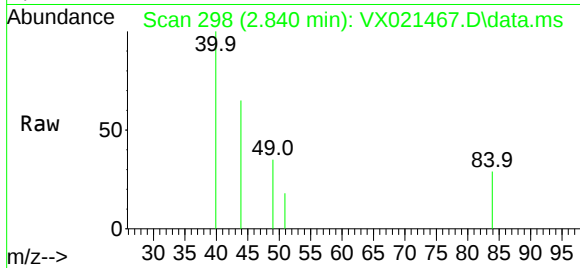
Ion Ratio Lower Upper

84 100

49 120.0 88.6 132.8

51 61.7 27.0 40.6#

86 0.0 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 1.70 ug/l

RT: 3.670 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX021467.D

Acq: 25 Mar 2021 04:32

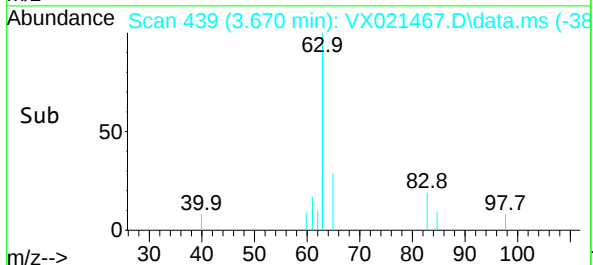
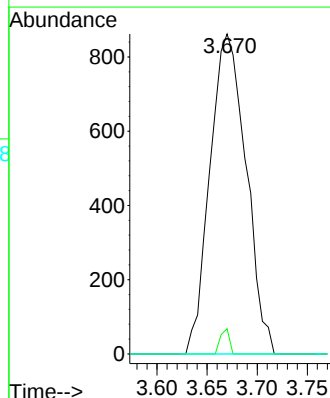
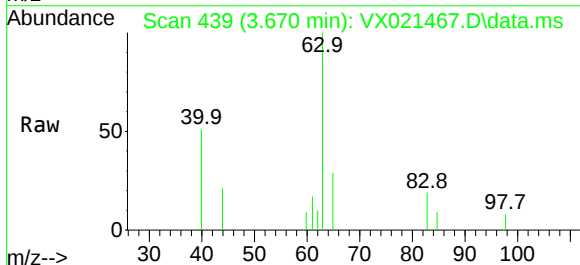
Tgt Ion: 63 Resp: 2155

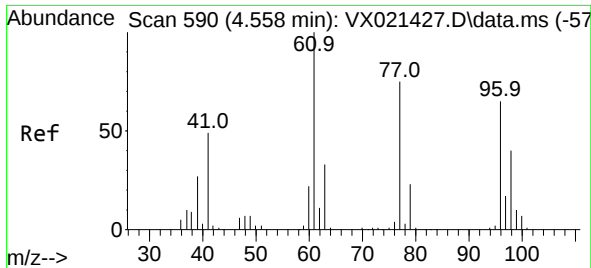
Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 4.93 ug/l

RT: 4.564 min Scan# 591

Delta R.T. 0.006 min

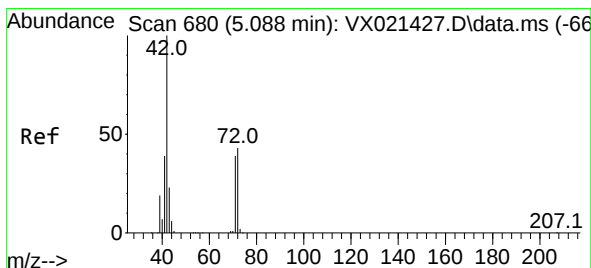
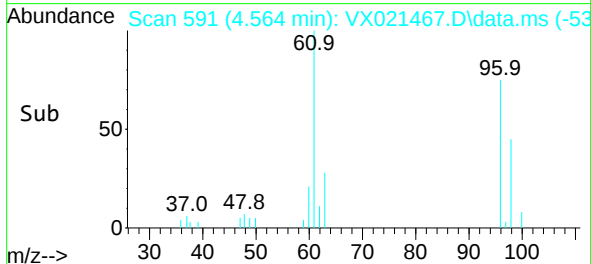
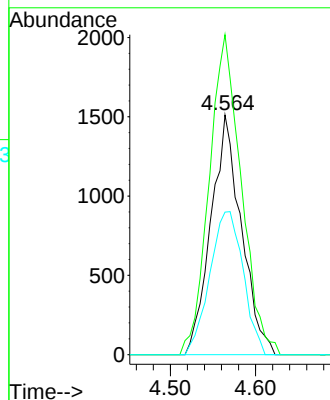
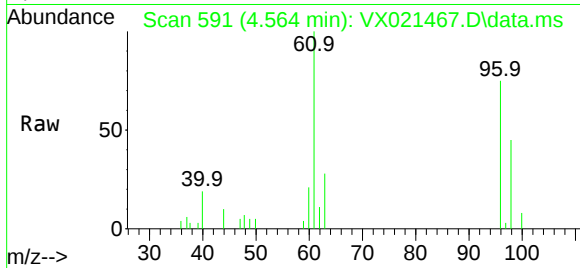
Lab File: VX021467.D

Acq: 25 Mar 2021 04:32

Tgt Ion: 96 Resp: 3751

Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	285.6
98	65.4	0.0	129.6

Instrument :
MSVOA_X
ClientSampleId :



#29

Tetrahydrofuran

Concen: 0.28 ug/l

RT: 5.088 min Scan# 680

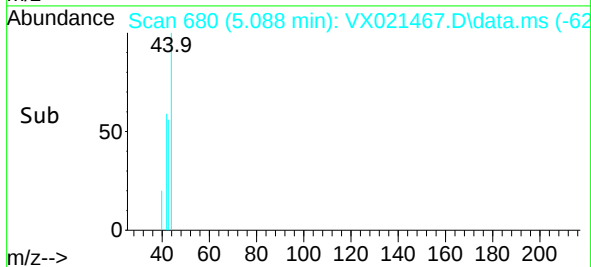
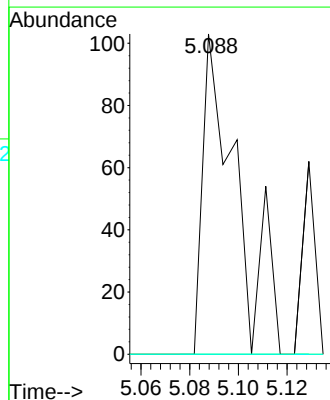
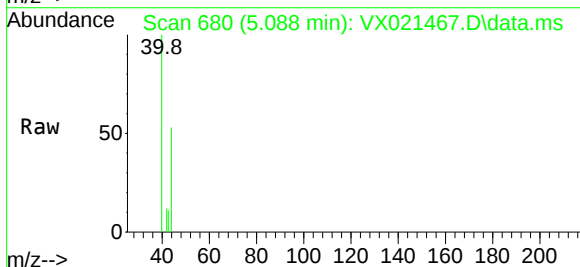
Delta R.T. -0.000 min

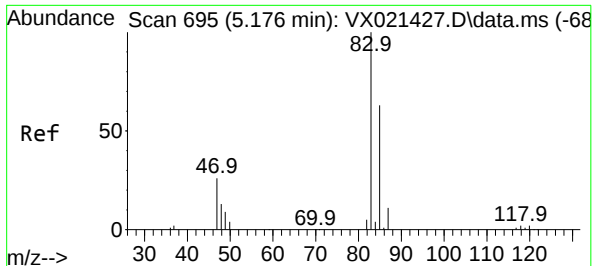
Lab File: VX021467.D

Acq: 25 Mar 2021 04:32

Tgt Ion: 42 Resp: 101

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





#30

Chloroform

Concen: 0.94 ug/l

RT: 5.182 min Scan# 696

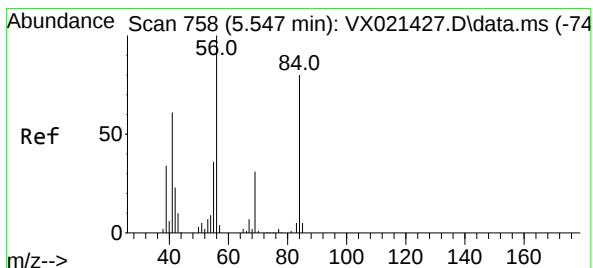
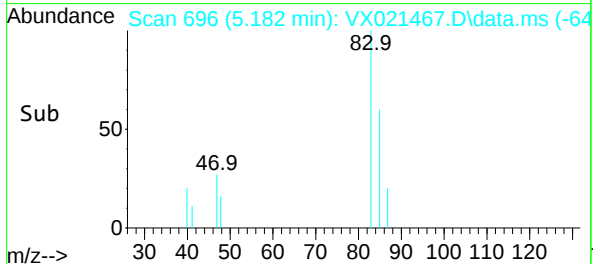
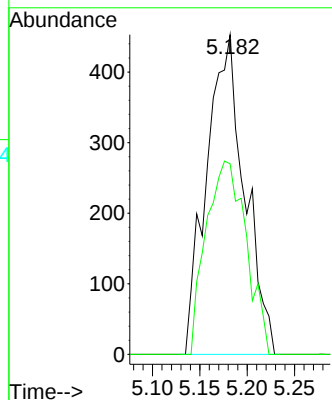
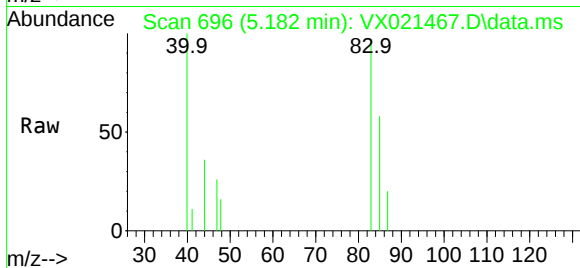
Delta R.T. 0.006 min

Lab File: VX021467.D

Acq: 25 Mar 2021 04:32

Tgt Ion: 83 Resp: 1265

Ion	Ratio	Lower	Upper
83	100		
85	59.6	52.0	78.0



#31

Cyclohexane

Concen: 1.67 ug/l

RT: 5.635 min Scan# 773

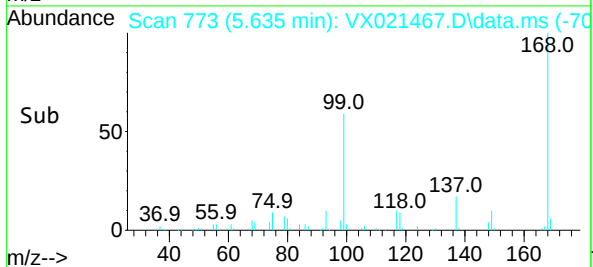
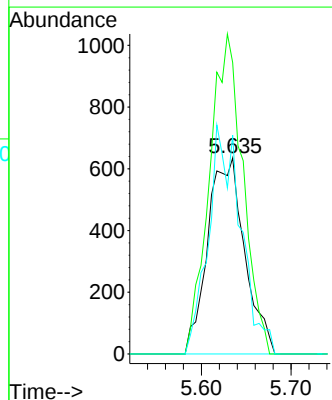
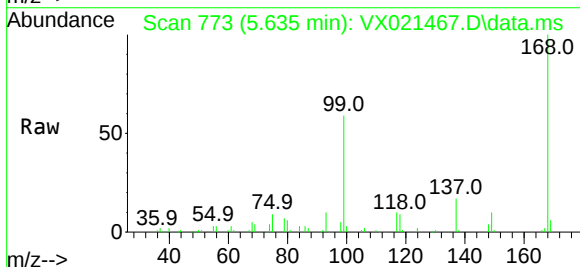
Delta R.T. 0.088 min

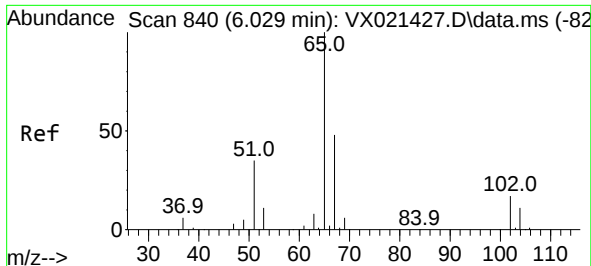
Lab File: VX021467.D

Acq: 25 Mar 2021 04:32

Tgt Ion: 56 Resp: 1815

Ion	Ratio	Lower	Upper
56	100		
69	148.7	25.3	37.9#
84	111.7	71.4	107.0#

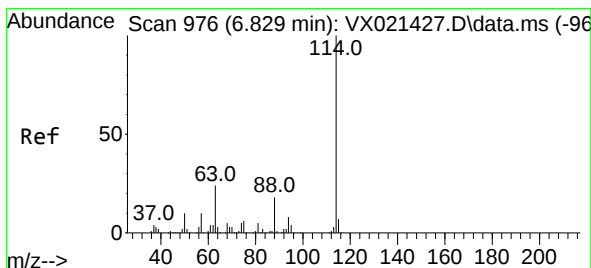
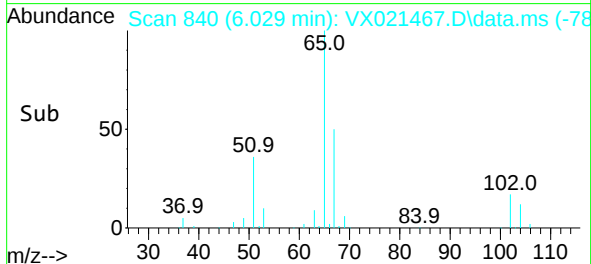
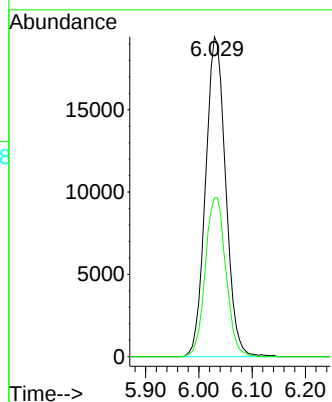
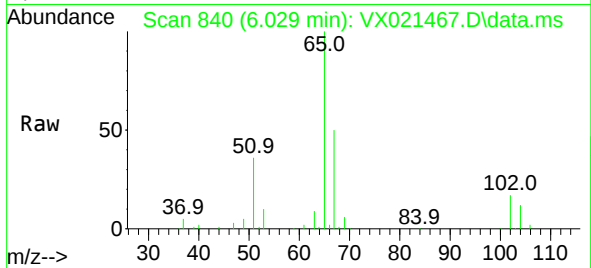




#33
 1,2-Dichloroethane-d4
 Concen: 51.71 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. 0.000 min
 Lab File: VX021467.D
 Acq: 25 Mar 2021 04:32

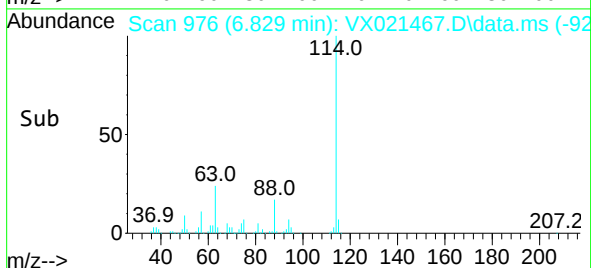
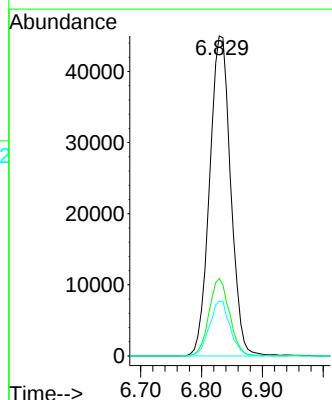
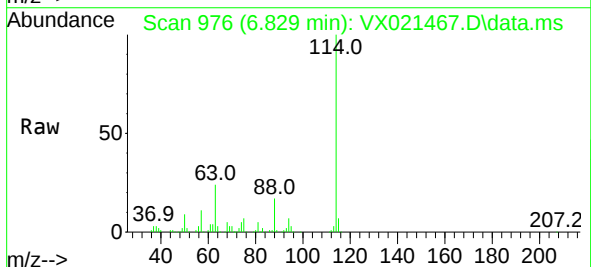
Instrument :
 MSVOA_X
 ClientSampleId :

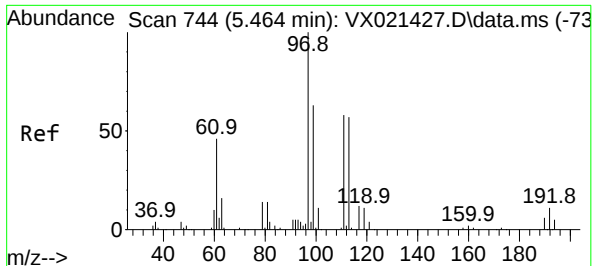
Tgt Ion: 65 Resp: 50964
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.829 min Scan# 976
 Delta R.T. 0.000 min
 Lab File: VX021467.D
 Acq: 25 Mar 2021 04:32

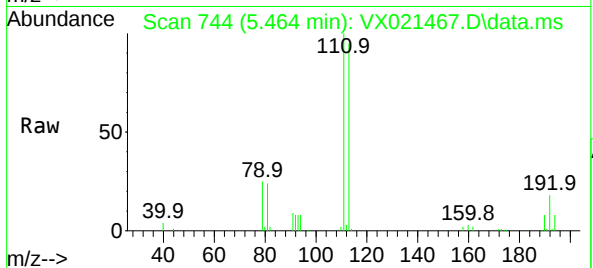
Tgt Ion: 114 Resp: 108215
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 40.8
 88 17.1 0.0 32.8



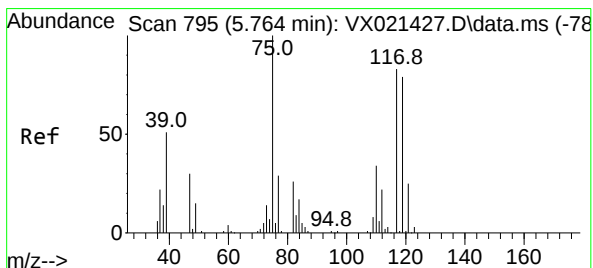
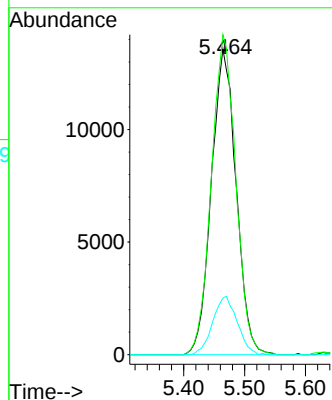
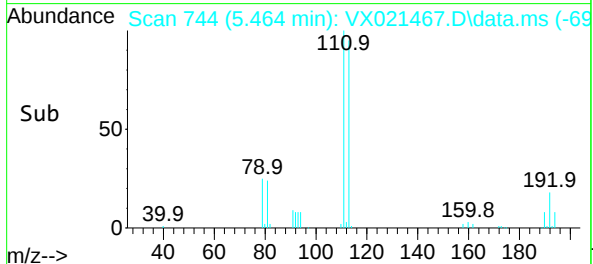


#35
Dibromofluoromethane
Concen: 49.79 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

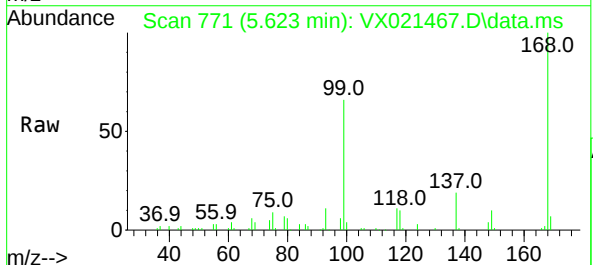
Instrument :
MSVOA_X
ClientSampled :



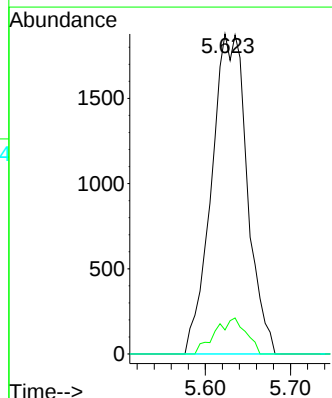
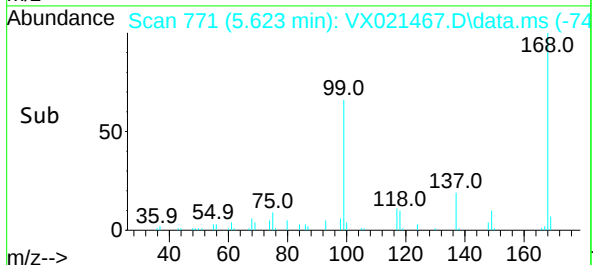
Tgt Ion:113 Resp: 38273
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 18.9 16.7 25.1

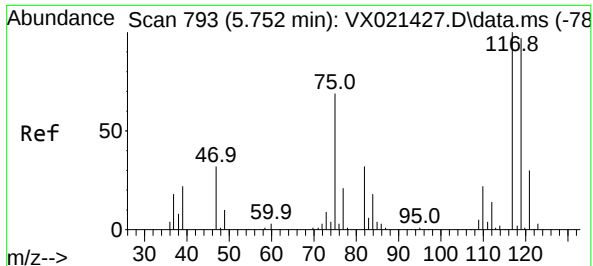


#36
1,1-Dichloropropene
Concen: 5.15 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32



Tgt Ion: 75 Resp: 5463
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.0 25.3 37.9#

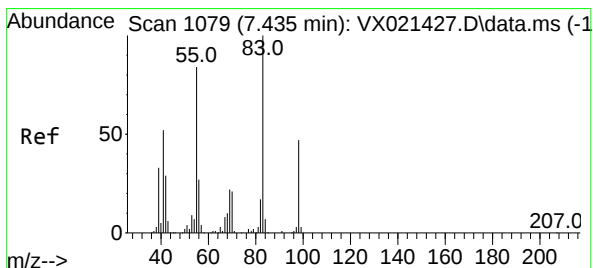
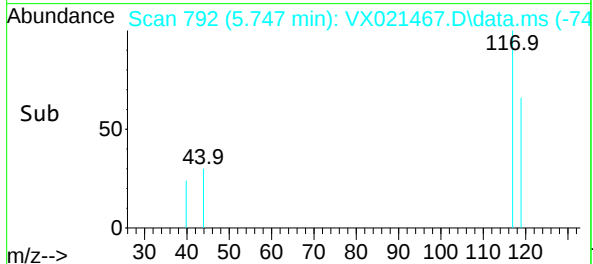
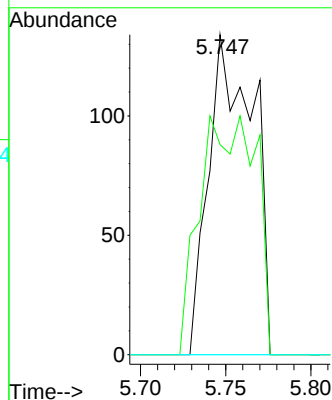
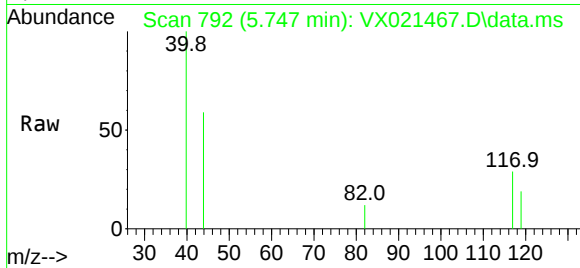




#38
Carbon Tetrachloride
Concen: 0.21 ug/l
RT: 5.747 min Scan# 792
Delta R.T. -0.005 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

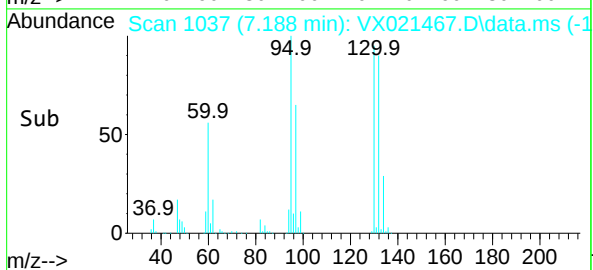
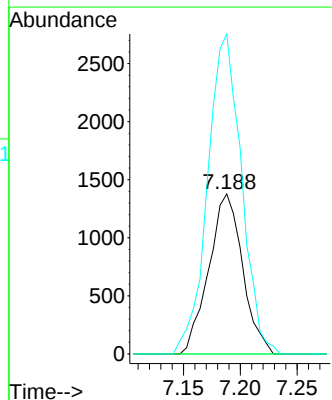
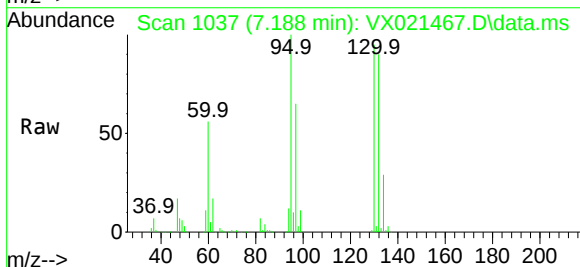
Instrument :
MSVOA_X
ClientSampled :

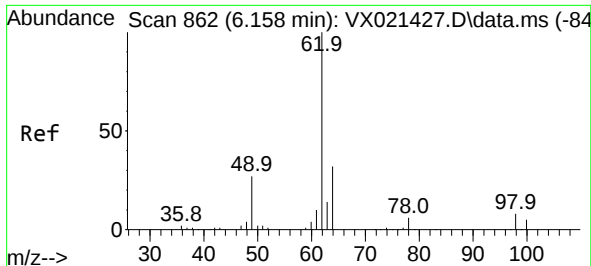
Tgt Ion:117 Resp: 243
Ion Ratio Lower Upper
117 100
119 65.7 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 2.43 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

Tgt Ion: 83 Resp: 2853
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 199.9 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.28 ug/l

RT: 6.158 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX021467.D

Acq: 25 Mar 2021 04:32

Tgt Ion: 62 Resp: 365

Ion Ratio Lower Upper

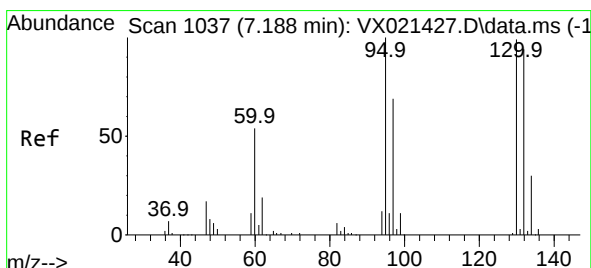
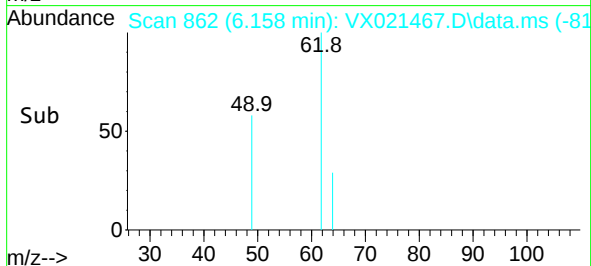
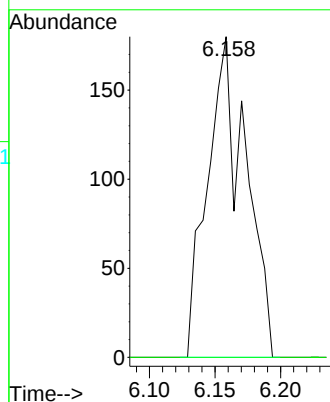
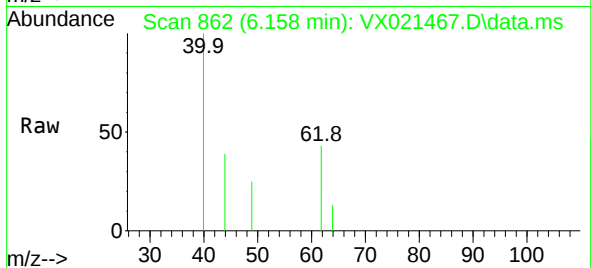
62 100

98 0.0 0.0 20.2

Instrument :

MSVOA_X

ClientSampled :



#44

Trichloroethene

Concen: 258.30 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VX021467.D

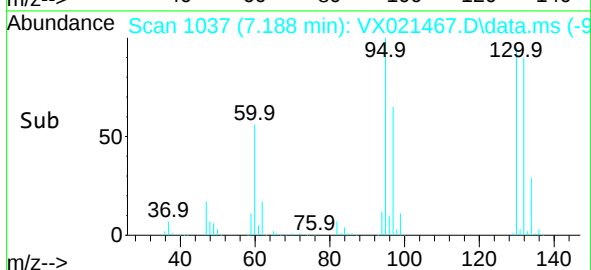
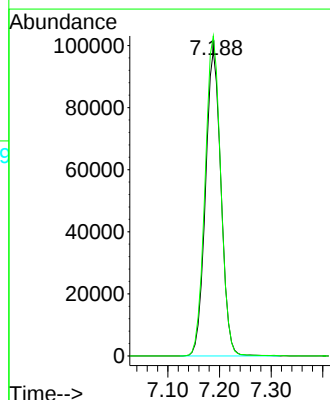
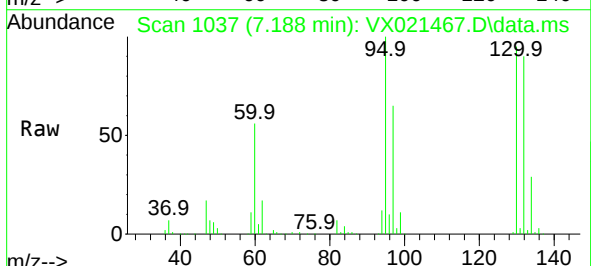
Acq: 25 Mar 2021 04:32

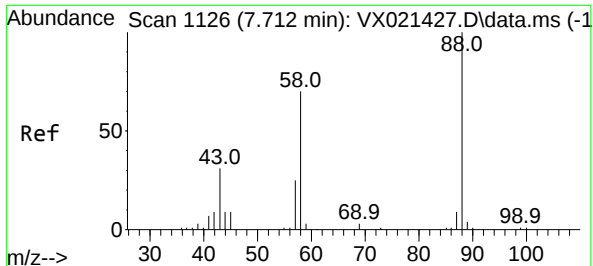
Tgt Ion:130 Resp: 205232

Ion Ratio Lower Upper

130 100

95 104.8 0.0 198.0

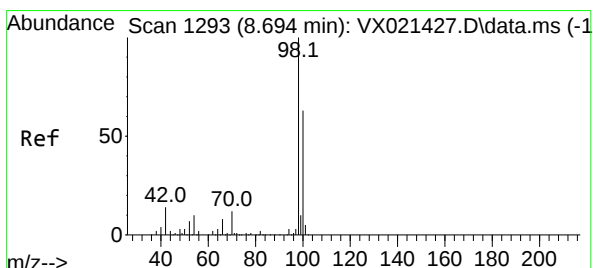
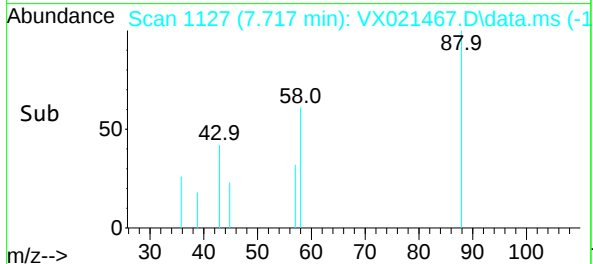
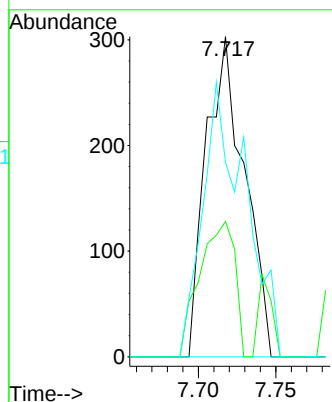
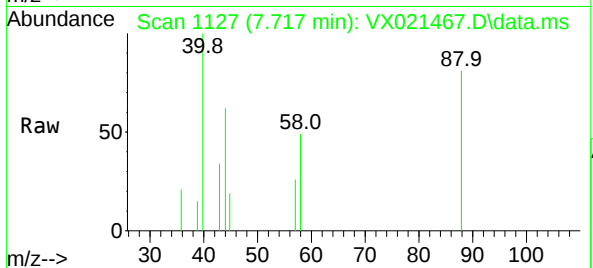




#49
1,4-Dioxane
Concen: 27.40 ug/l
RT: 7.717 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

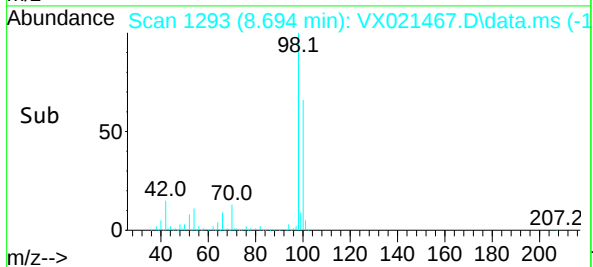
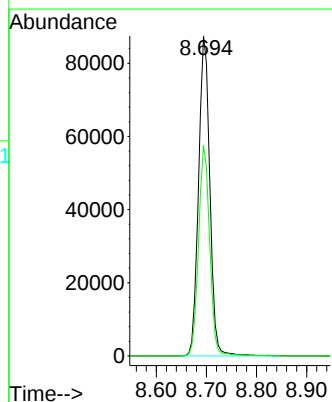
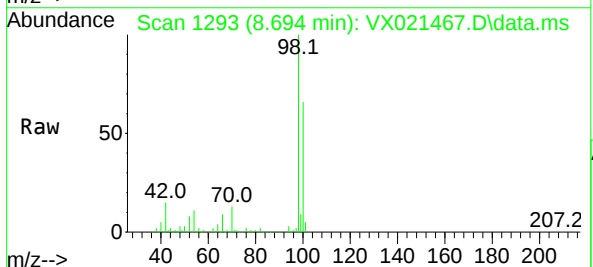
Instrument :
MSVOA_X
ClientSampleId :

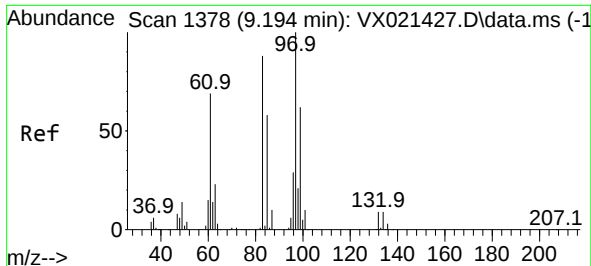
Tgt Ion: 88 Resp: 521
Ion Ratio Lower Upper
88 100
43 39.0 23.2 34.8#
58 95.4 55.0 82.4#



#50
Toluene-d8
Concen: 49.86 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

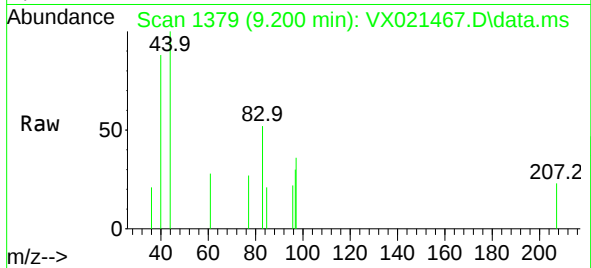
Tgt Ion: 98 Resp: 136570
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



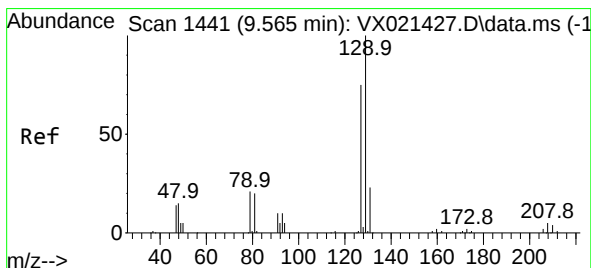
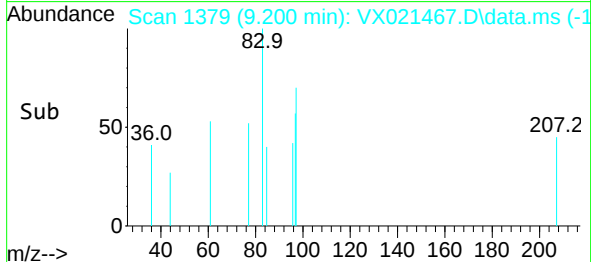
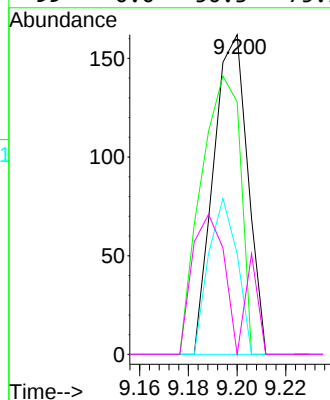


#55
1,1,2-Trichloroethane
Concen: 0.20 ug/l
RT: 9.200 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

Instrument :
MSVOA_X
ClientSampleId :

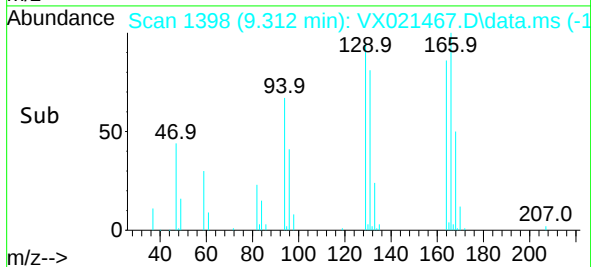
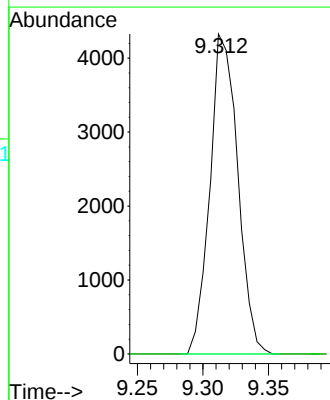
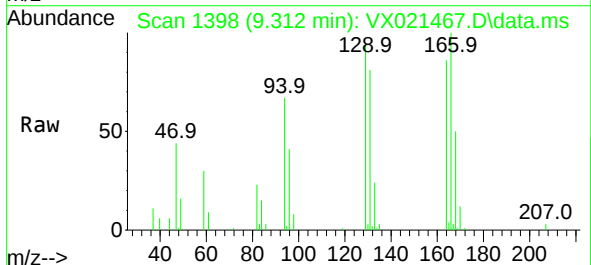


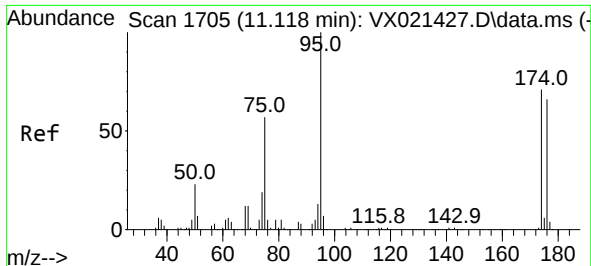
Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.0	69.3	103.9
85	31.5	44.3	66.5#
99	0.0	50.3	75.5#



#60
Dibromochloromethane
Concen: 7.27 ug/l
RT: 9.312 min Scan# 1398
Delta R.T. -0.253 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

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

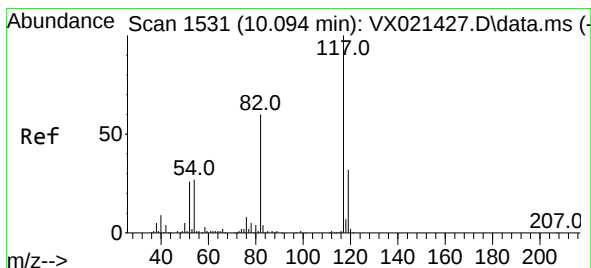
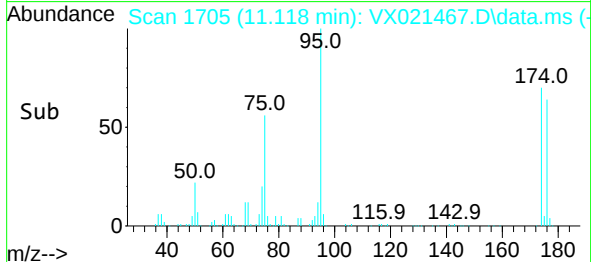
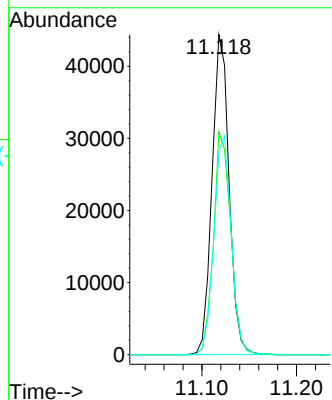
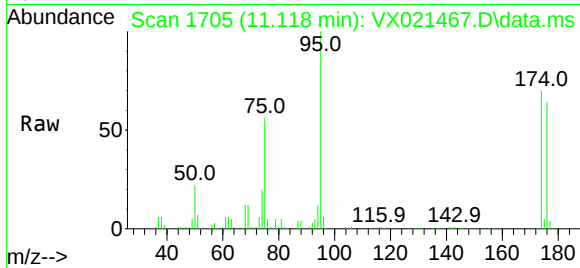




#62
4-Bromofluorobenzene
Concen: 52.02 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

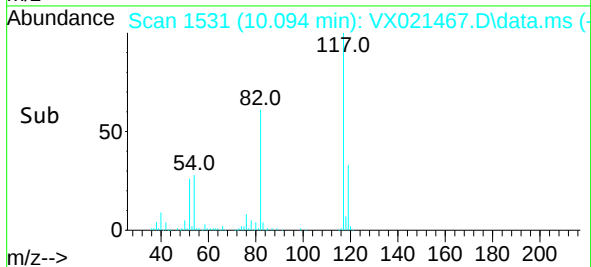
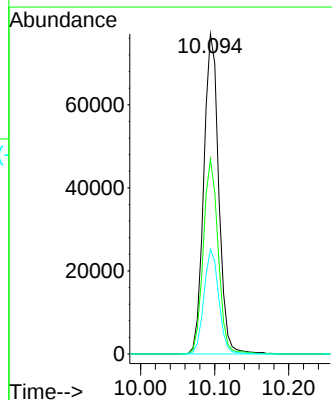
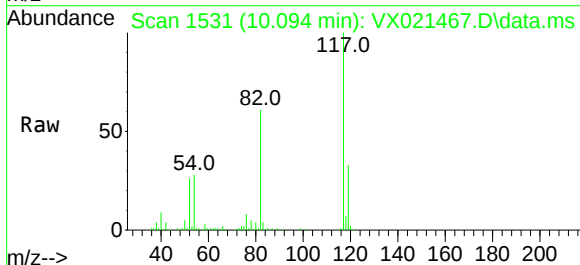
Instrument :
MSVOA_X
ClientSampled :

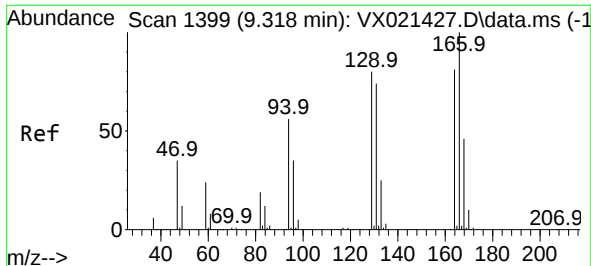
Tgt Ion: 95 Resp: 55396
Ion Ratio Lower Upper
95 100
174 70.8 0.0 154.6
176 70.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

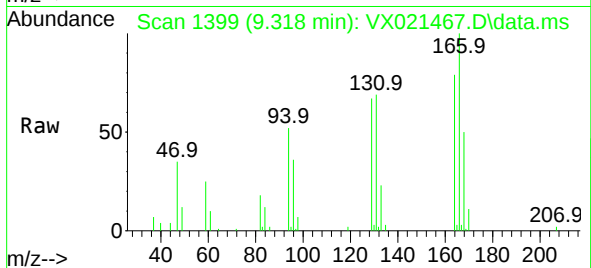
Tgt Ion: 117 Resp: 108153
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 32.8 26.6 39.8



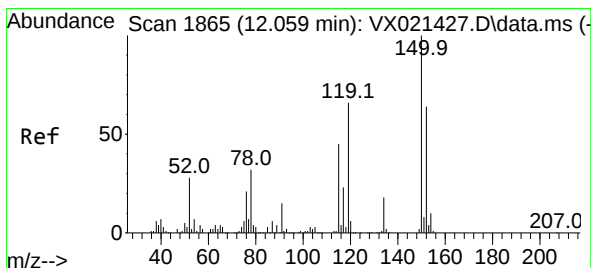
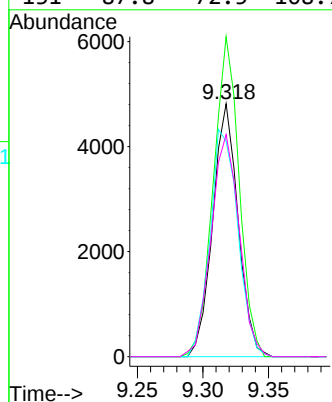
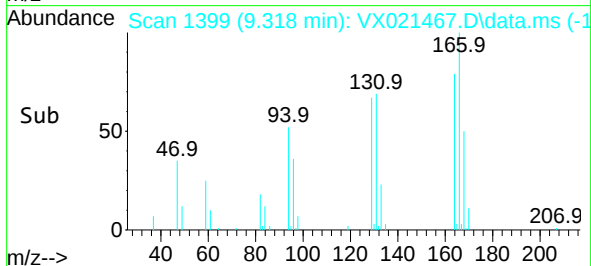


#64
Tetrachloroethene
Concen: 8.94 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

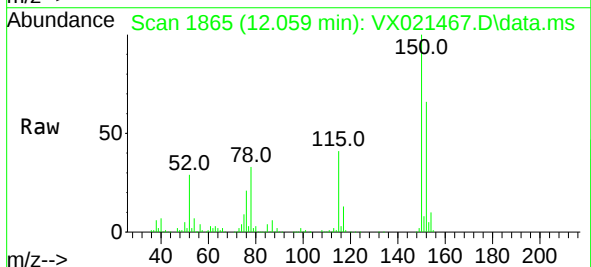
Instrument :
MSVOA_X
ClientSampleId :



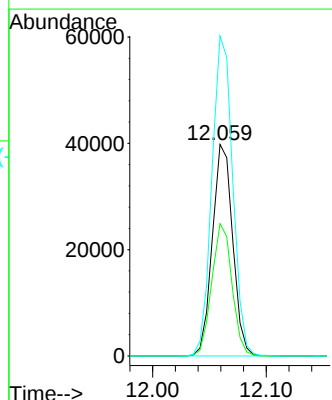
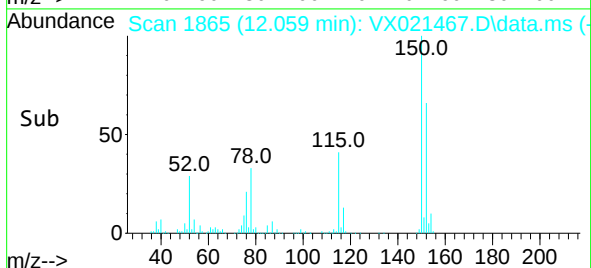
Tgt Ion:164	Resp: 6476
Ion Ratio	Lower Upper
164	100
166	126.5 103.4 155.2
129	85.2 70.8 106.2
131	87.8 72.5 108.7

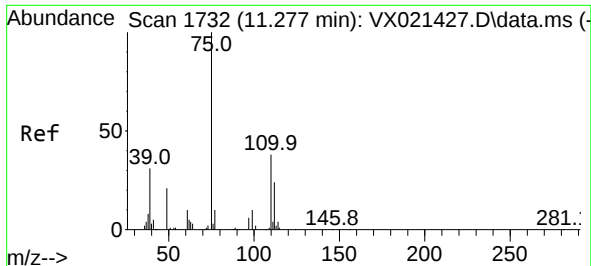


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32



Tgt Ion:152	Resp: 49477
Ion Ratio	Lower Upper
152	100
115	62.2 41.1 123.3
150	154.3 0.0 349.0

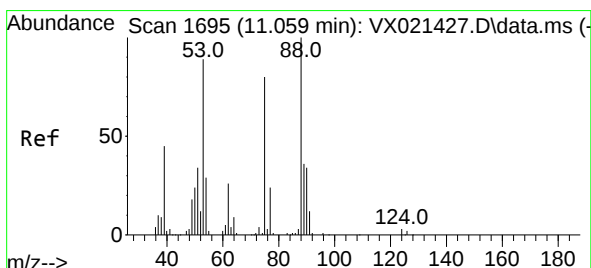
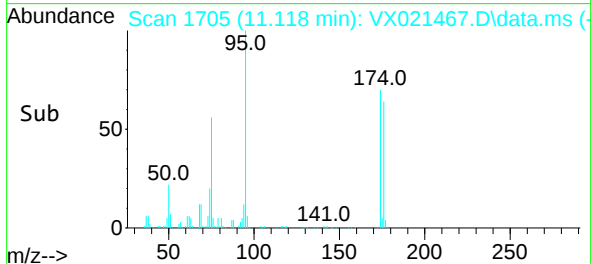
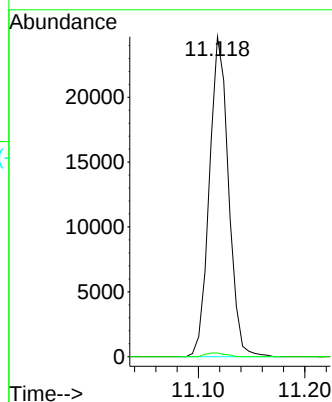
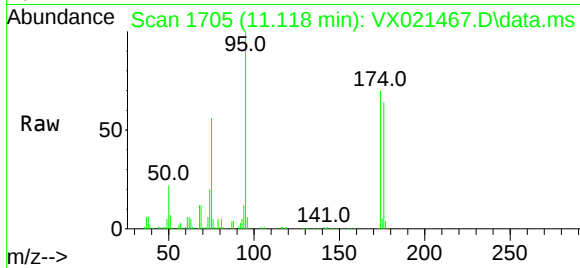




#76
1,2,3-Trichloropropane
Concen: 26.77 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 30833
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.54 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021467.D
Acq: 25 Mar 2021 04:32

Tgt Ion: 75 Resp: 30833
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

