

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021439.D
 Acq On : 24 Mar 2021 16:34
 Operator : JC/MD
 Sample : M1735-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 25 02:54:22 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)

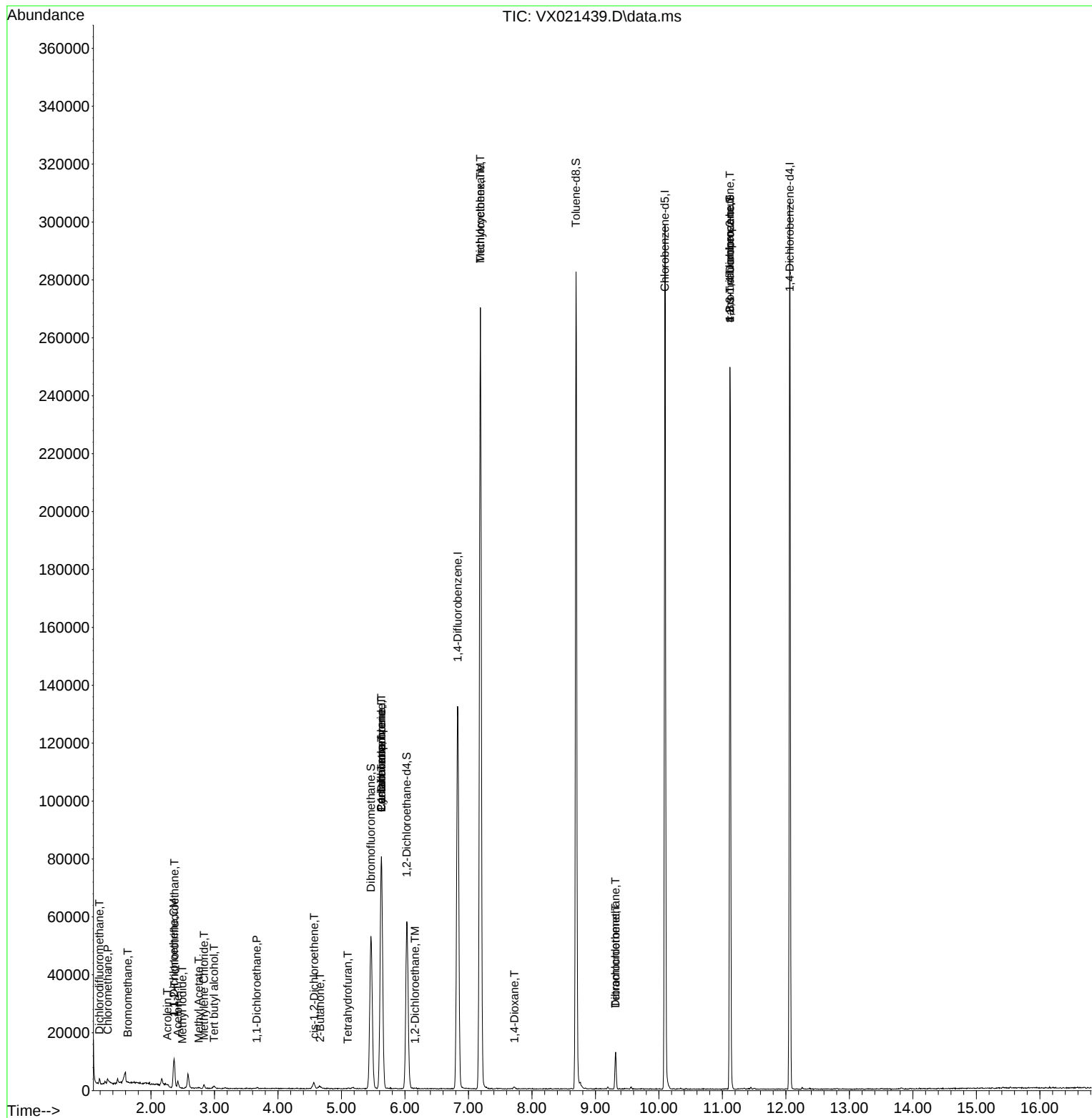
Internal Standards						
1) Pentafluorobenzene	5.629	168	68850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	123738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	125139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	56887	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	57338	50.05	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.10%	
35) Dibromofluoromethane	5.464	113	42804	48.70	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.40%	
50) Toluene-d8	8.694	98	159296	50.86	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.72%	
62) 4-Bromofluorobenzene	11.118	95	65366	53.68	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.36%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.187	85	620	0.82	ug/l	90
3) Chloromethane	1.316	50	1989	2.33	ug/l	92
5) Bromomethane	1.634	94	170	0.55	ug/l #	50
9) 1,1,2-Trichlorotrifluo...	2.370	101	3496	4.93	ug/l	97
10) Methyl Iodide	2.493	142	82	6.77	ug/l #	42
11) Tert butyl alcohol	2.993	59	532	2.81	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	466	0.67	ug/l	94
13) Acrolein	2.258	56	65	4.97	ug/l #	1
16) Acetone	2.422	43	2366	5.46	ug/l	90
18) Methyl Acetate	2.752	43	461	0.37	ug/l #	47
20) Methylene Chloride	2.834	84	437	0.52	ug/l #	94
24) 1,1-Dichloroethane	3.664	63	438	0.30	ug/l #	81
25) 2-Butanone	4.664	43	211	0.32	ug/l #	45
27) cis-1,2-Dichloroethene	4.570	96	1238	1.40	ug/l	98
29) Tetrahydrofuran	5.099	42	97	0.23	ug/l #	27
31) Cyclohexane	5.629	56	1951	1.55	ug/l #	42
36) 1,1-Dichloropropene	5.629	75	6382	5.26	ug/l #	48
38) Carbon Tetrachloride	5.629	117	7887	6.05	ug/l #	16
39) Methylcyclohexane	7.188	83	1290	0.96	ug/l #	1
42) 1,2-Dichloroethane	6.158	62	305	0.20	ug/l #	73
44) Trichloroethene	7.188	130	92397	101.70	ug/l	88
49) 1,4-Dioxane	7.723	88	463	21.30	ug/l #	80
60) Dibromochloromethane	9.318	129	2212	2.20	ug/l #	11
64) Tetrachloroethene	9.318	164	2260	2.70	ug/l	89
76) 1,2,3-Trichloropropane	11.118	75	36684	27.70	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	36684	84.37	ug/l #	12

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

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ClientSampled :

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Quant Title : SW846 8260
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Response via : Initial Calibration

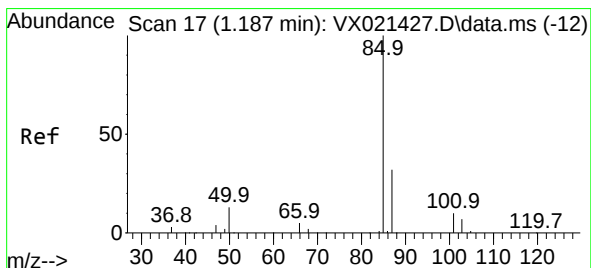
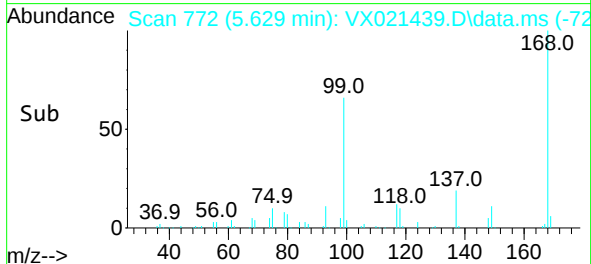
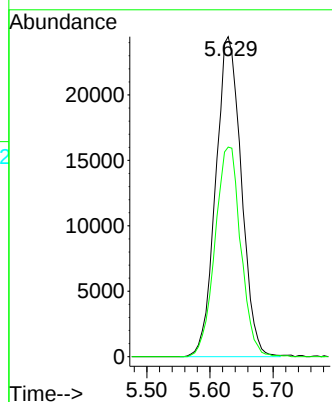
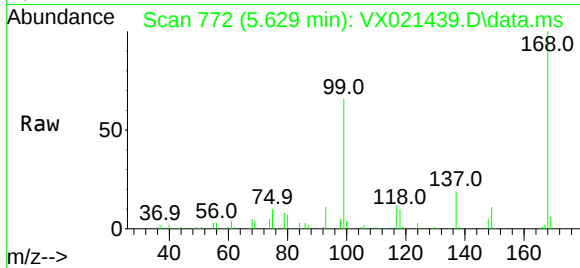




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

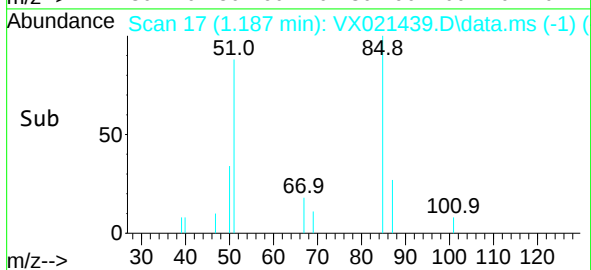
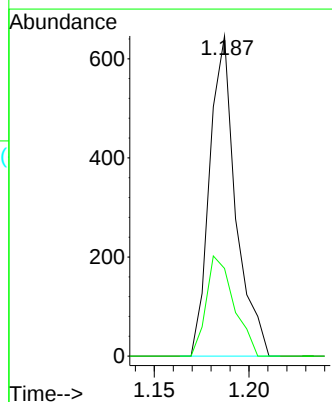
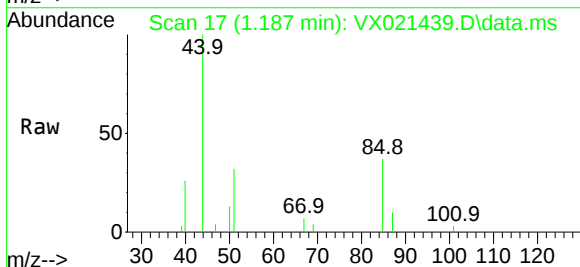
Instrument :
MSVOA_X
ClientSampleId :

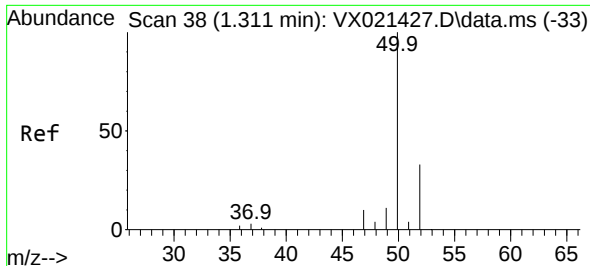
Tgt Ion:168 Resp: 68850
Ion Ratio Lower Upper
168 100
99 65.5 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.82 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion: 85 Resp: 620
Ion Ratio Lower Upper
85 100
87 27.4 16.4 49.2

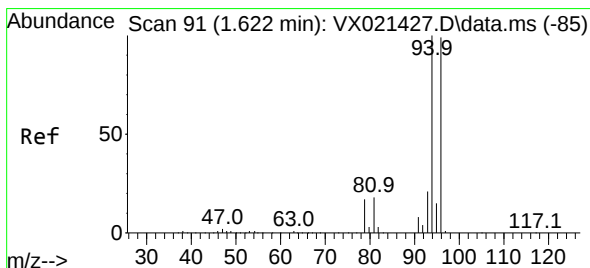
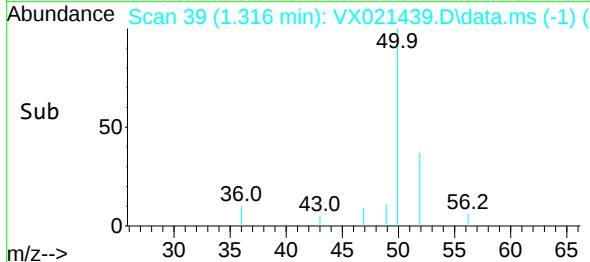
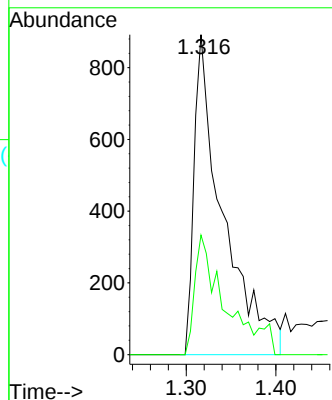
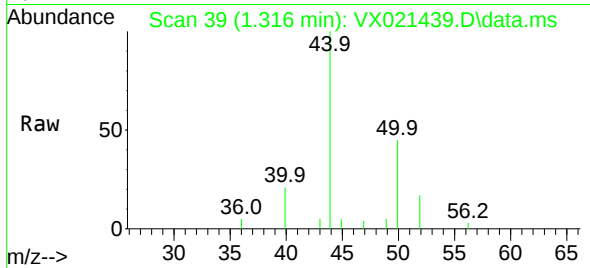




#3
Chloromethane
Concen: 2.33 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

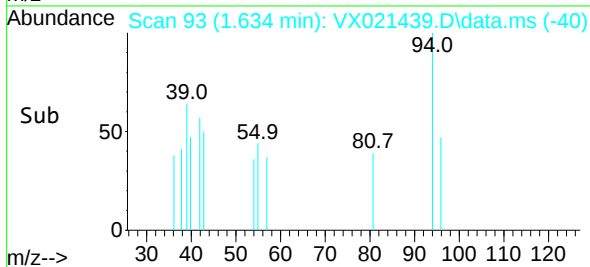
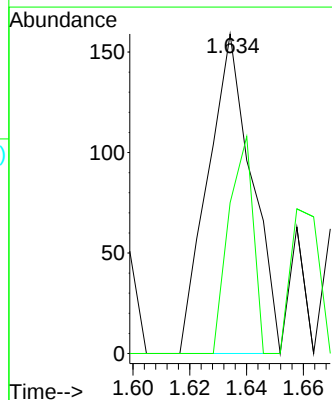
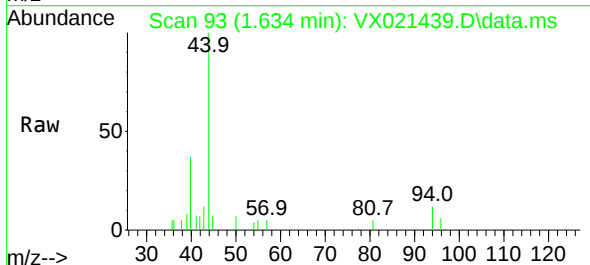
Instrument :
MSVOA_X
ClientSampled :

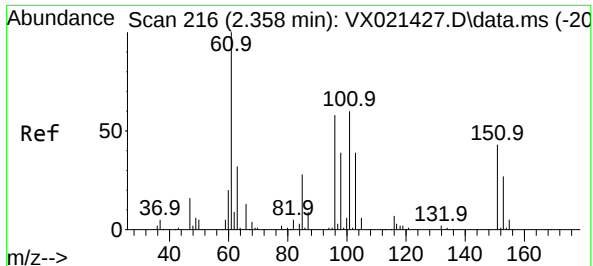
Tgt Ion: 50 Resp: 1989
Ion Ratio Lower Upper
50 100
52 37.3 26.4 39.6



#5
Bromomethane
Concen: 0.55 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion: 94 Resp: 170
Ion Ratio Lower Upper
94 100
96 47.2 76.4 114.6#

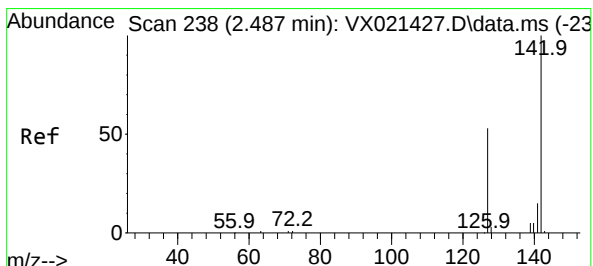
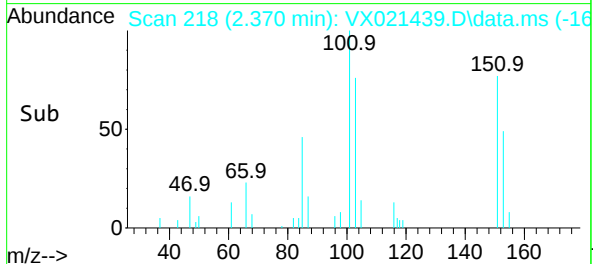
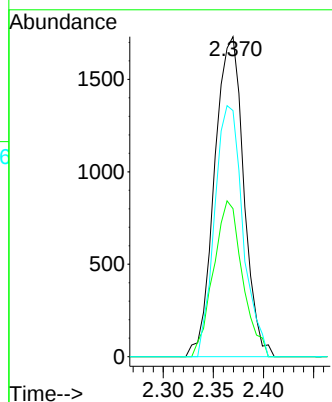
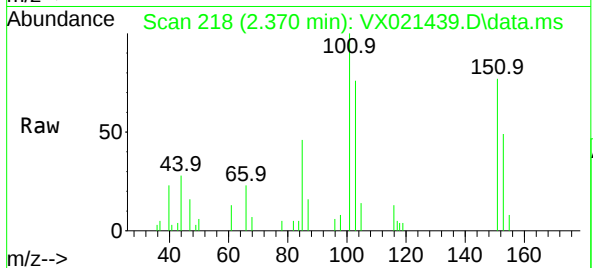




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.93 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.012 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

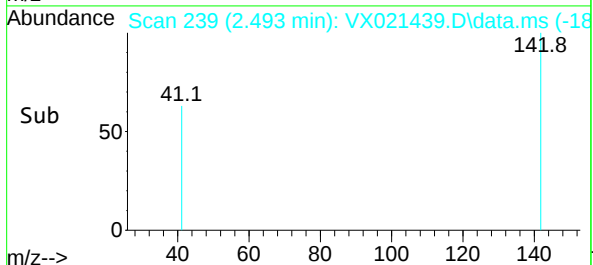
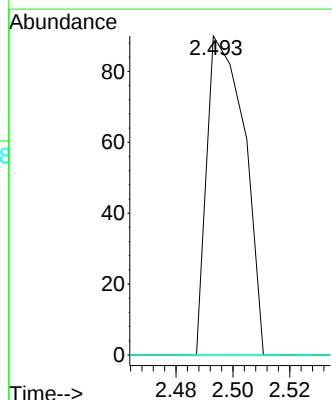
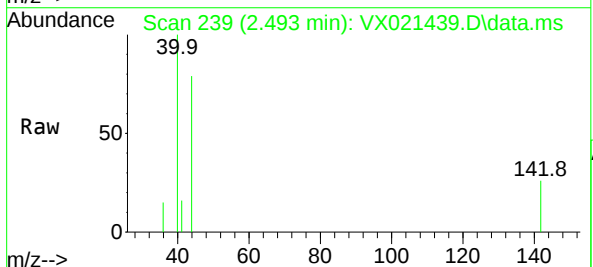
Instrument :
MSVOA_X
ClientSampled :

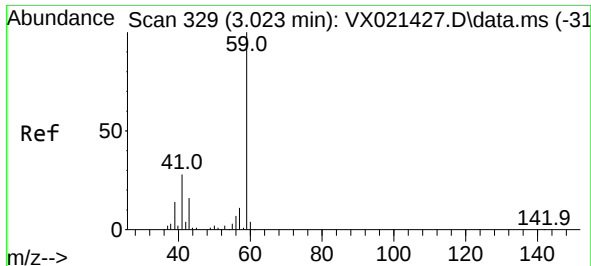
Tgt Ion:101 Resp: 3496
Ion Ratio Lower Upper
101 100
85 48.6 34.9 52.3
151 76.0 61.4 92.2



#10
Methyl Iodide
Concen: 6.77 ug/l
RT: 2.493 min Scan# 239
Delta R.T. 0.006 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion:142 Resp: 82
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

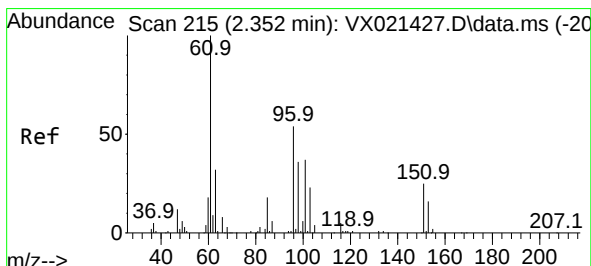
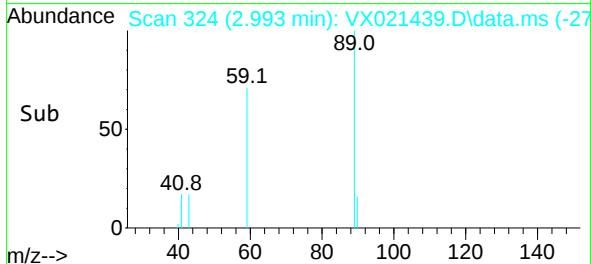
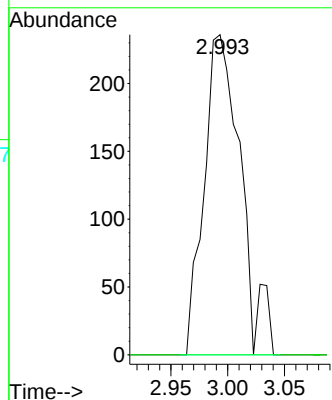
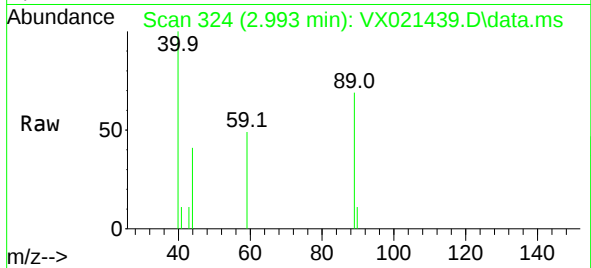




#11
Tert butyl alcohol
Concen: 2.81 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.030 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

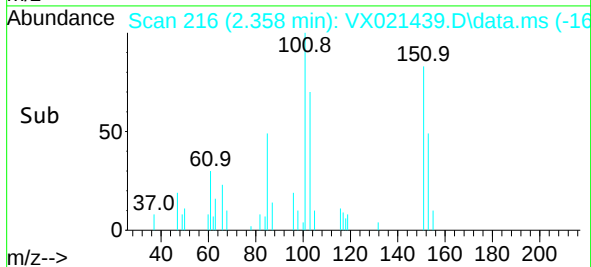
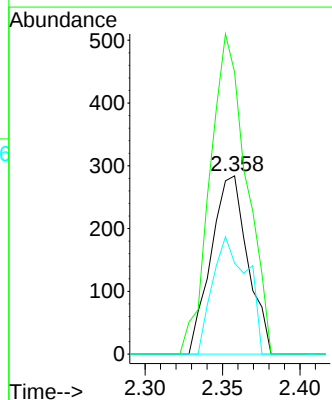
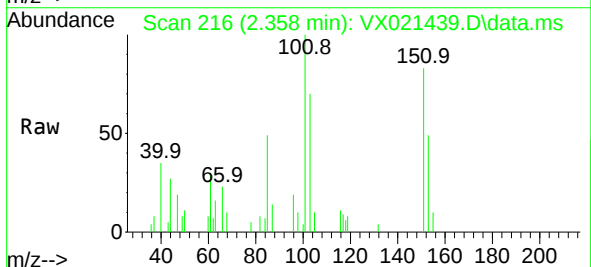
Instrument :
MSVOA_X
ClientSampleId :

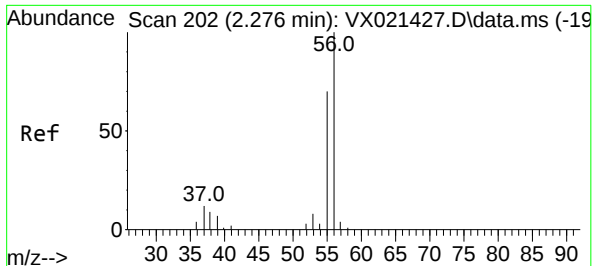
Tgt Ion: 59 Resp: 532
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.67 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion: 96 Resp: 466
Ion Ratio Lower Upper
96 100
61 158.1 124.6 187.0
98 51.1 50.6 76.0

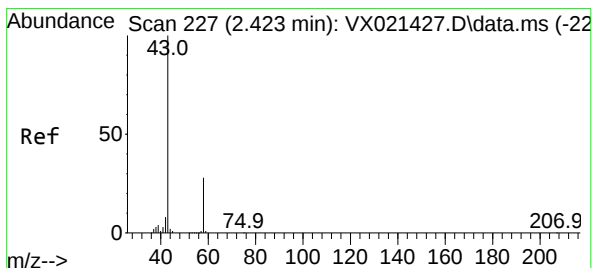
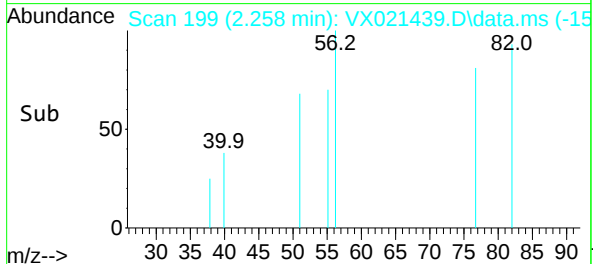
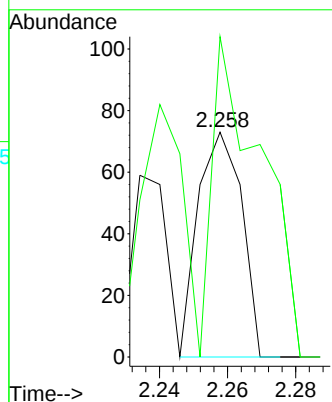
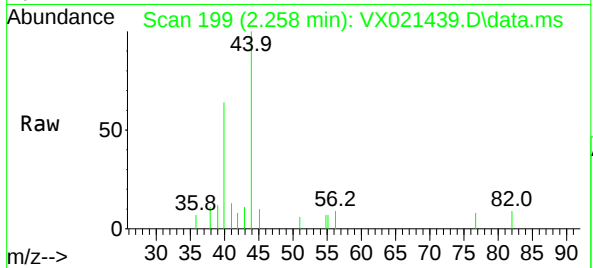




#13
Acrolein
Concen: 4.97 ug/l
RT: 2.258 min Scan# 199
Delta R.T. -0.018 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

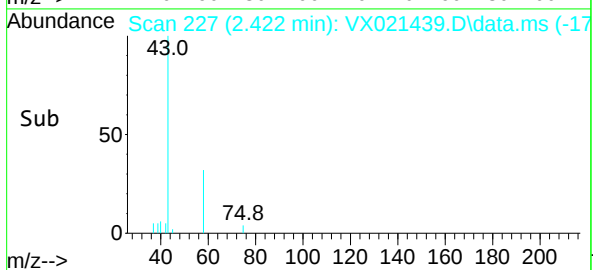
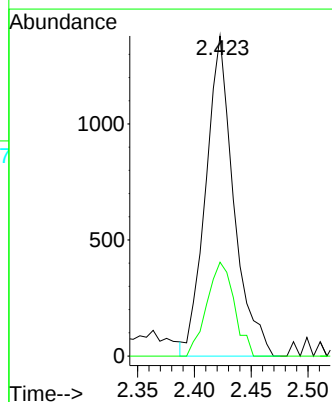
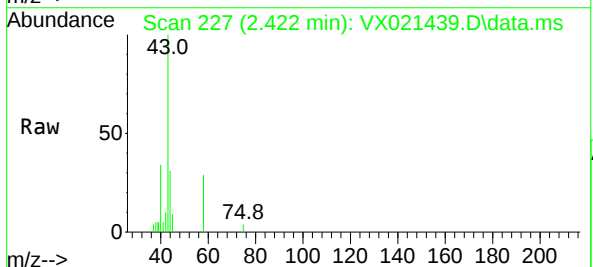
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MSVOA_X
ClientSampled :

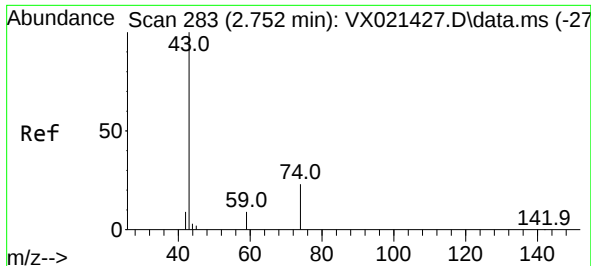
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 160.0 56.4 84.6#



#16
Acetone
Concen: 5.46 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion: 43 Resp: 2366
Ion Ratio Lower Upper
43 100
58 29.3 27.8 41.8

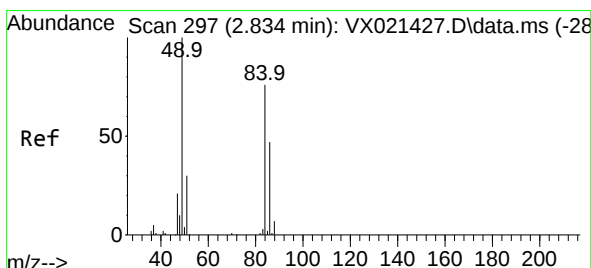
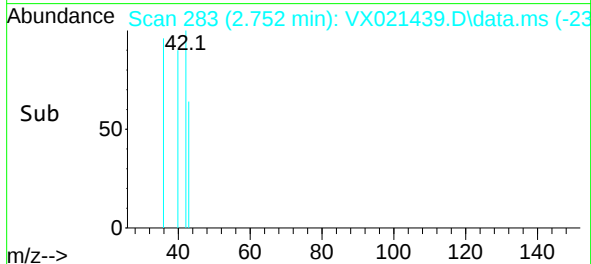
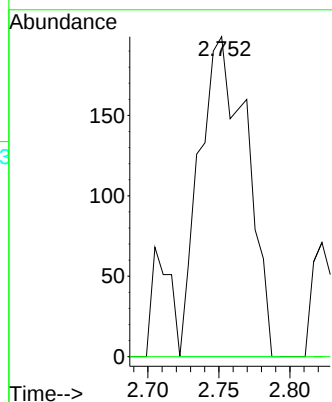
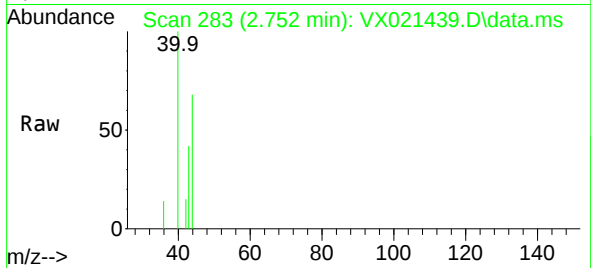




#18
Methyl Acetate
Concen: 0.37 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

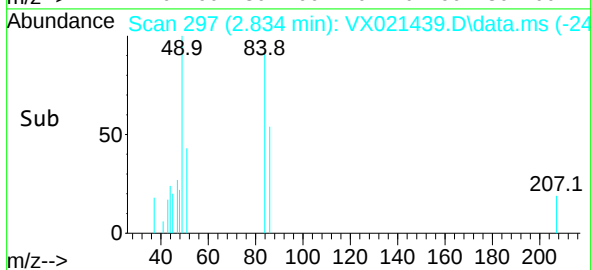
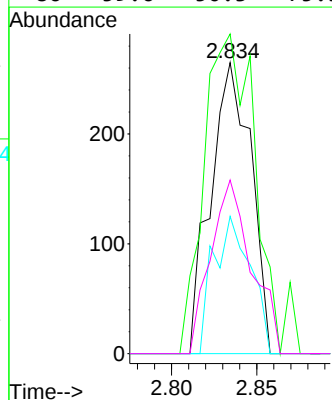
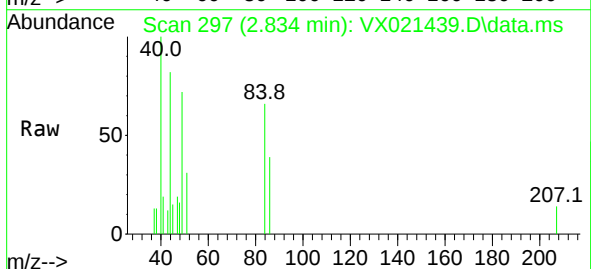
Instrument :
MSVOA_X
ClientSampled :

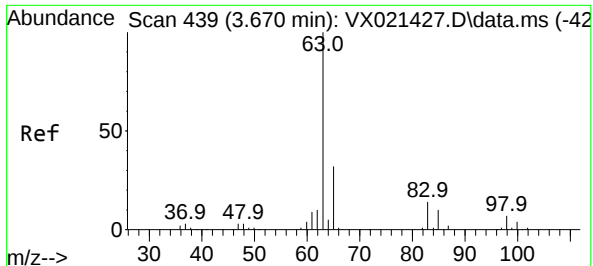
Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.52 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion: 84 Resp: 437
Ion Ratio Lower Upper
84 100
49 109.8 88.6 132.8
51 47.2 27.0 40.6#
86 59.6 50.3 75.5

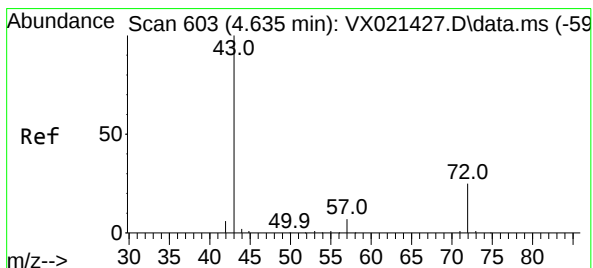
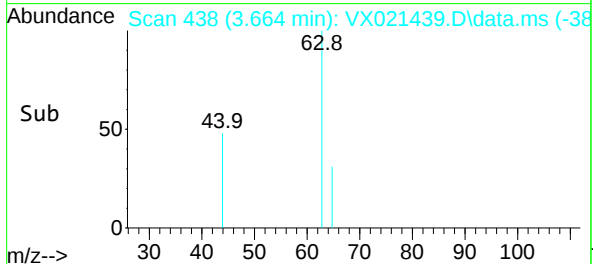
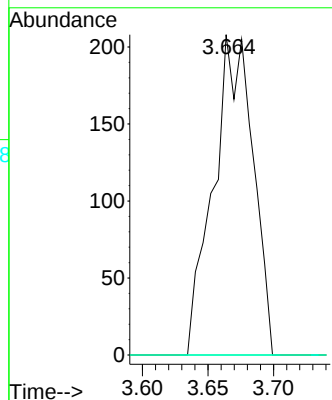
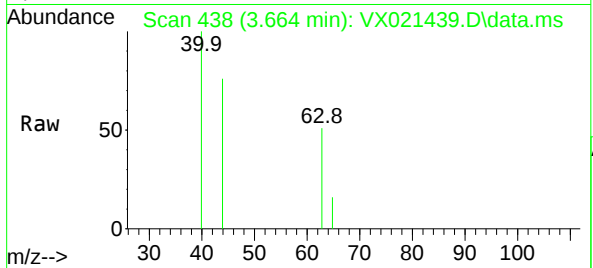




#24
1,1-Dichloroethane
Concen: 0.30 ug/l
RT: 3.664 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

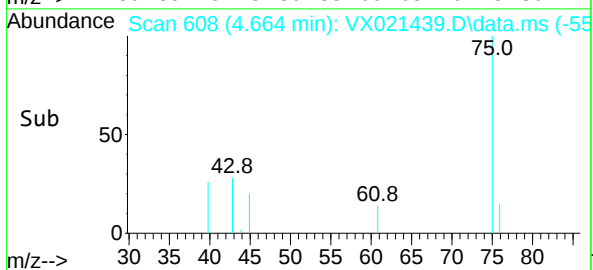
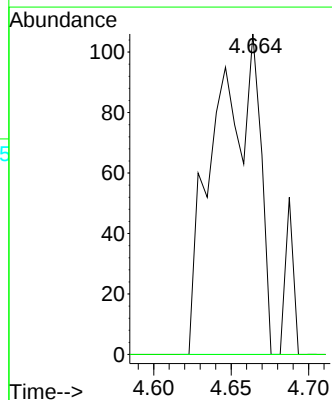
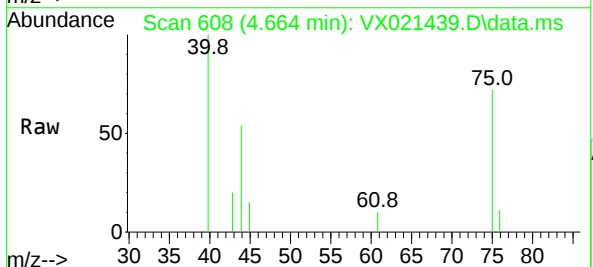
Instrument :
MSVOA_X
ClientSampleId :

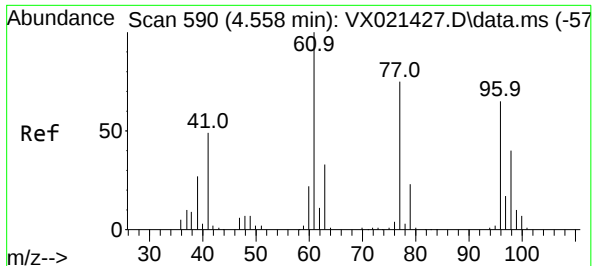
Tgt Ion: 63 Resp: 438
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 0.32 ug/l
RT: 4.664 min Scan# 608
Delta R.T. 0.029 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 1.40 ug/l

RT: 4.570 min Scan# 592

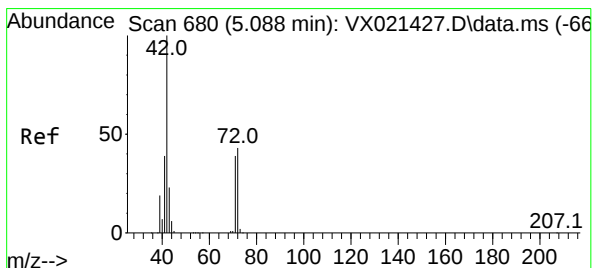
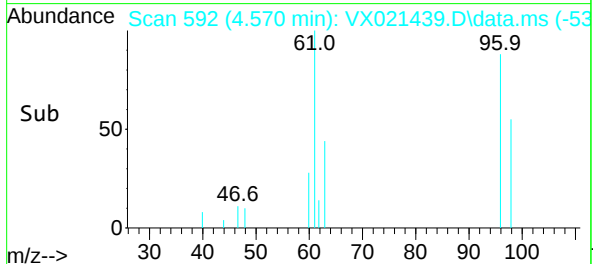
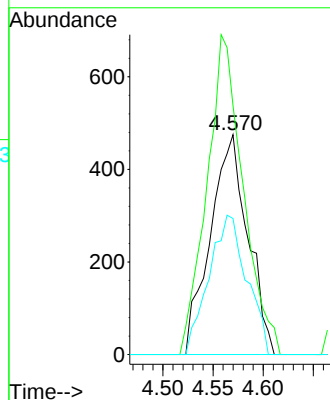
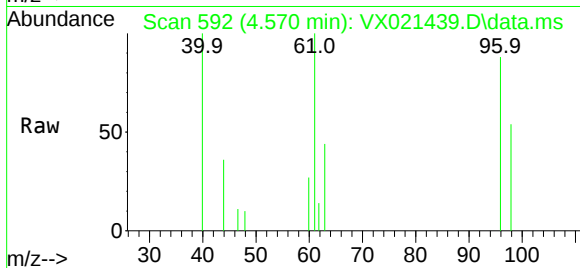
Delta R.T. 0.012 min

Lab File: VX021439.D

Acq: 24 Mar 2021 16:34

Tgt Ion: 96 Resp: 1238

Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	285.6
98	63.9	0.0	129.6



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.099 min Scan# 682

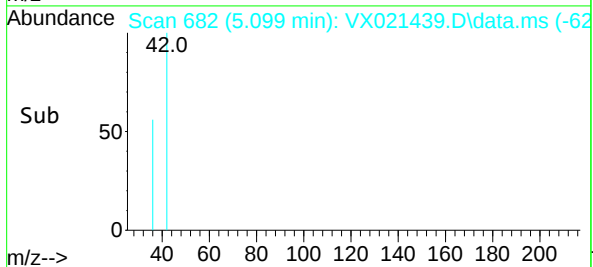
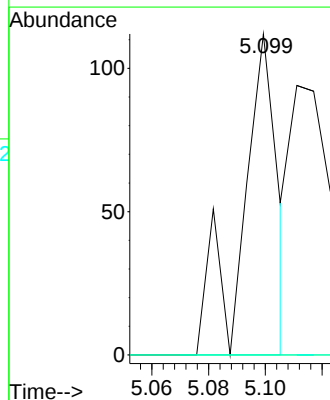
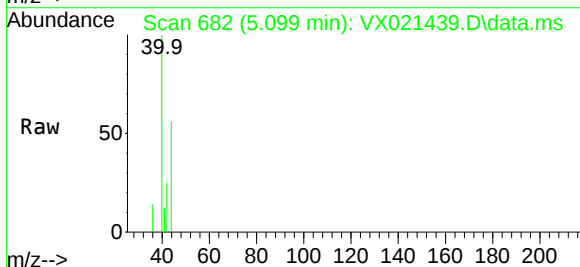
Delta R.T. 0.011 min

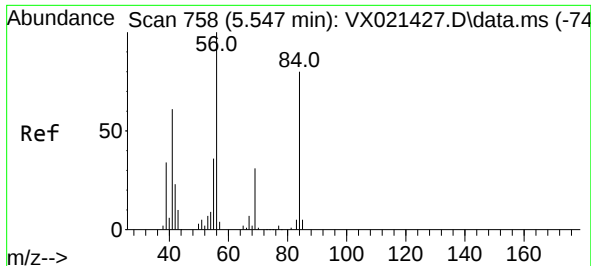
Lab File: VX021439.D

Acq: 24 Mar 2021 16:34

Tgt Ion: 42 Resp: 97

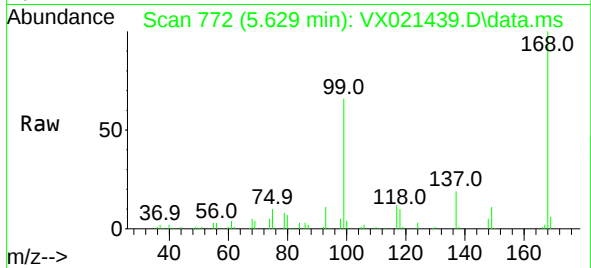
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#



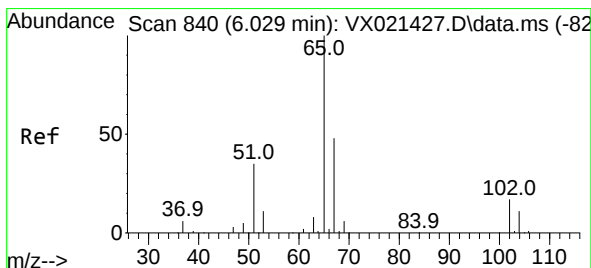
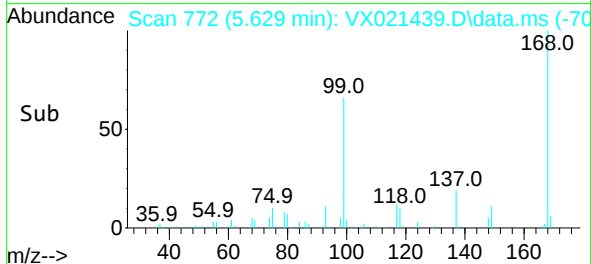
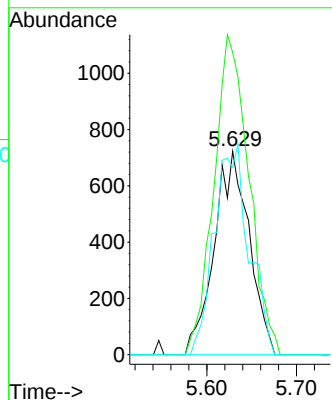


#31
Cyclohexane
Concen: 1.55 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Instrument :
MSVOA_X
ClientSampleId :

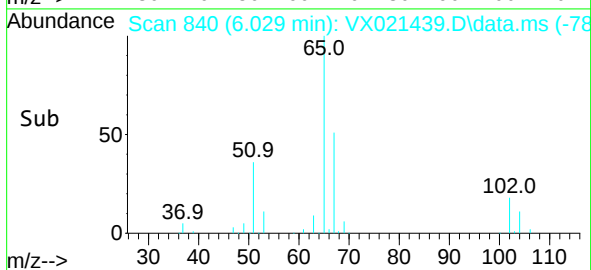
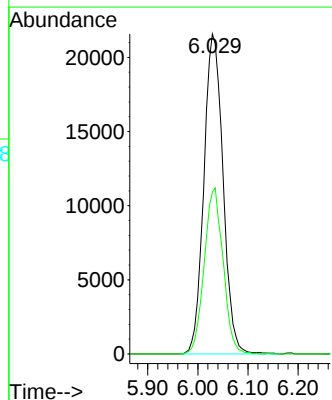
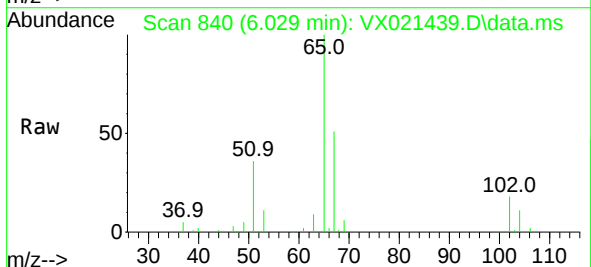


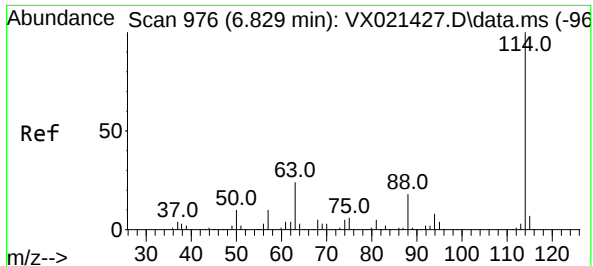
Tgt Ion: 56 Resp: 1951
Ion Ratio Lower Upper
56 100
69 148.5 25.3 37.9#
84 92.3 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 50.05 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion: 65 Resp: 57338
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

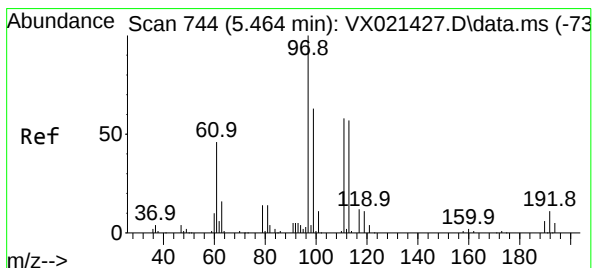
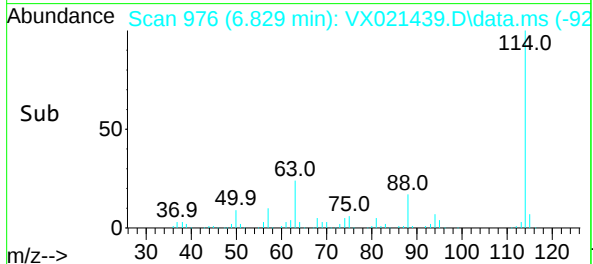
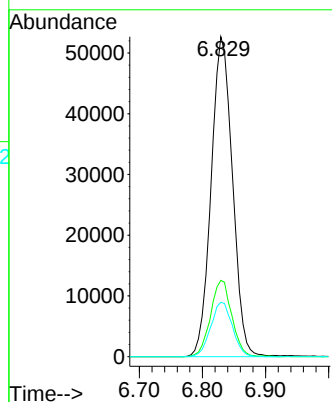
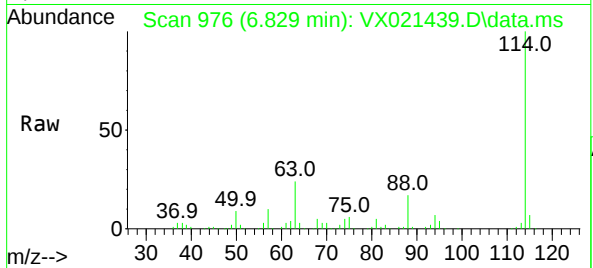




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

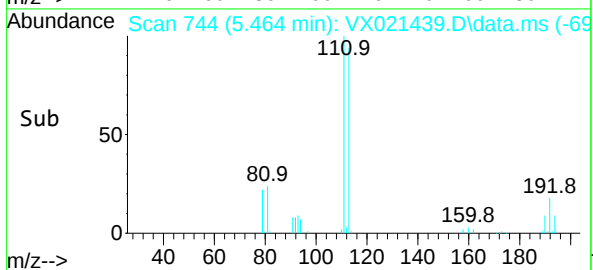
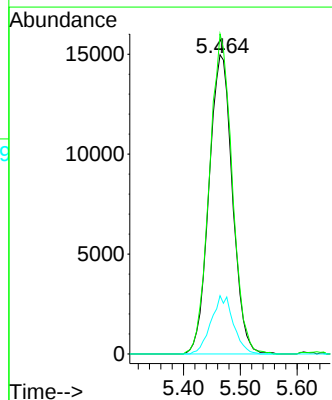
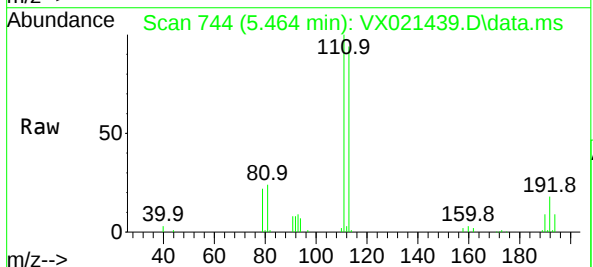
Instrument :
MSVOA_X
ClientSampled :

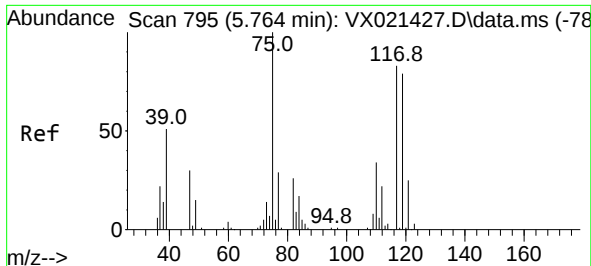
Tgt Ion:114 Resp: 123738
Ion Ratio Lower Upper
114 100
63 23.8 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.70 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion:113 Resp: 42804
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 18.5 16.7 25.1

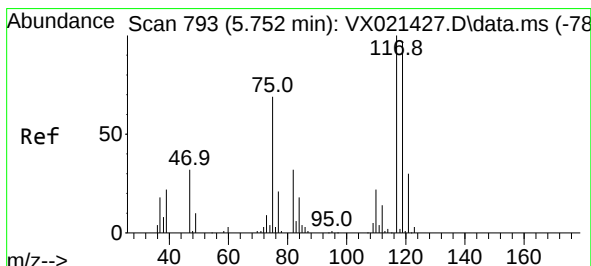
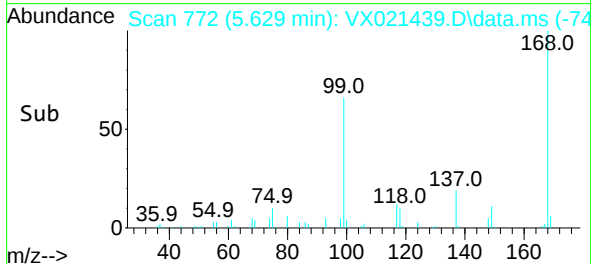
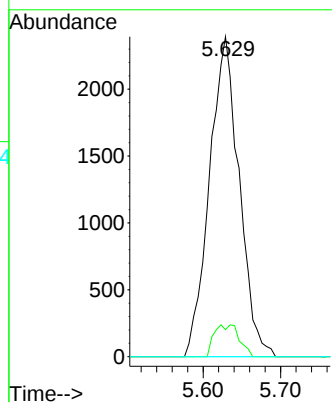
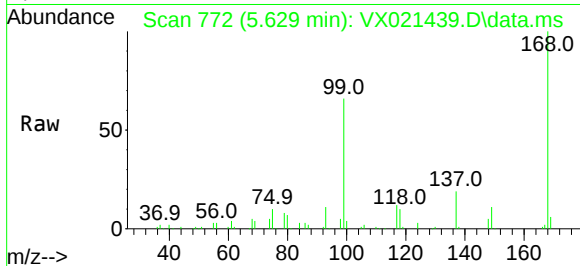




#36
1,1-Dichloropropene
Concen: 5.26 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

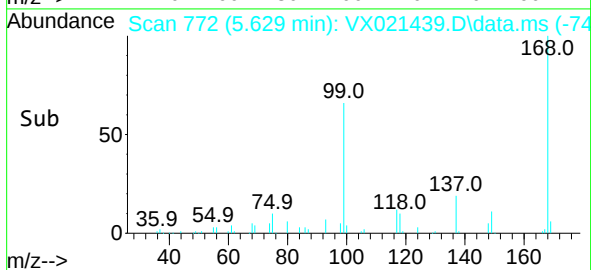
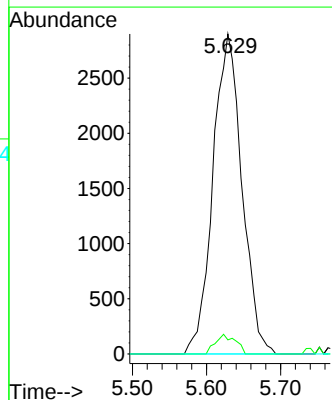
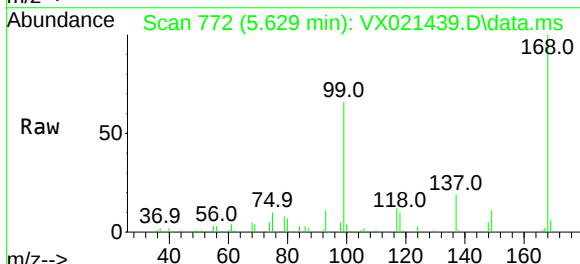
Instrument :
MSVOA_X
ClientSampleId :

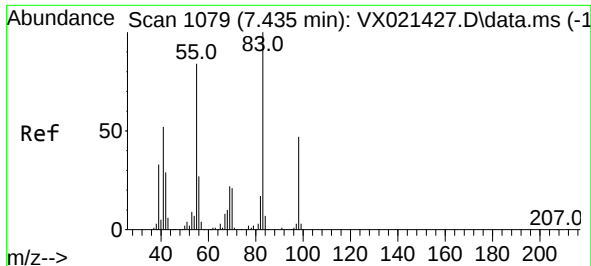
Tgt Ion: 75 Resp: 6382
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.05 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion: 117 Resp: 7887
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.96 ug/l

RT: 7.188 min Scan# 1037

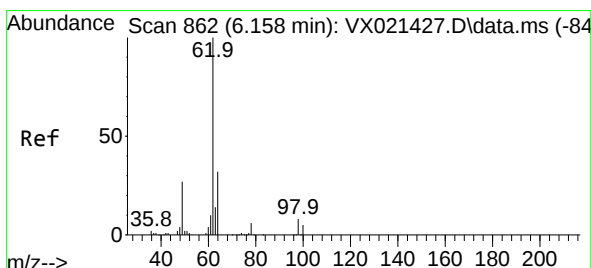
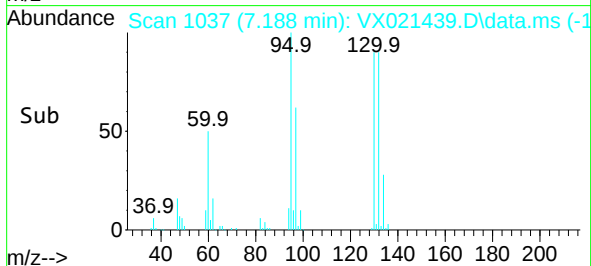
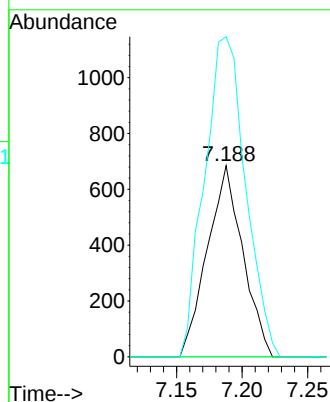
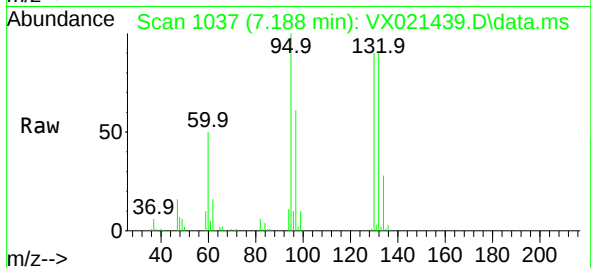
Delta R.T. -0.247 min

Lab File: VX021439.D

Acq: 24 Mar 2021 16:34

Tgt Ion:	83	Resp:	1290
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	167.4	38.1	57.1#

Instrument :
MSVOA_X
ClientSampled :



#42

1,2-Dichloroethane

Concen: 0.20 ug/l

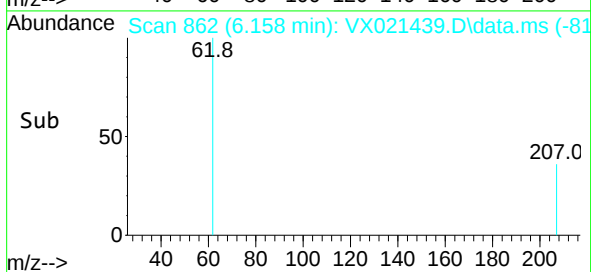
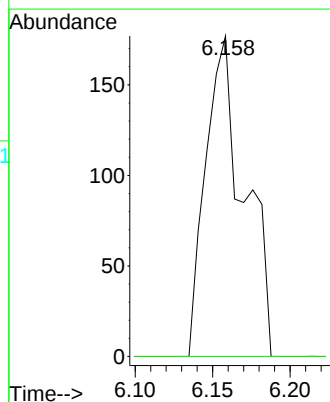
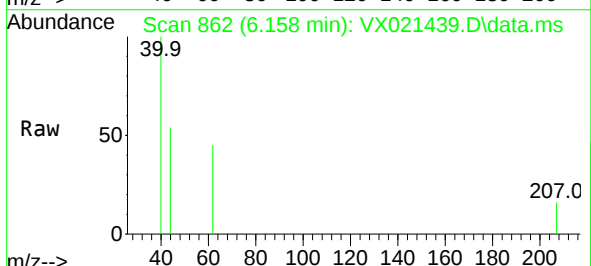
RT: 6.158 min Scan# 862

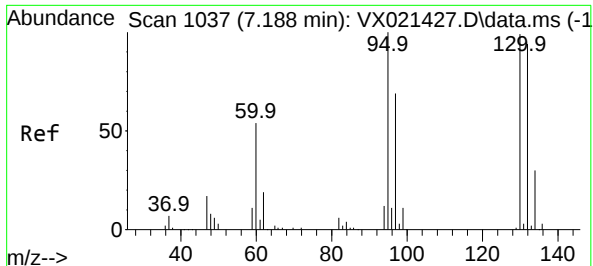
Delta R.T. 0.000 min

Lab File: VX021439.D

Acq: 24 Mar 2021 16:34

Tgt Ion:	62	Resp:	305
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2

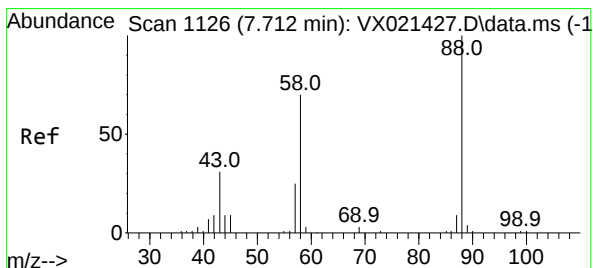
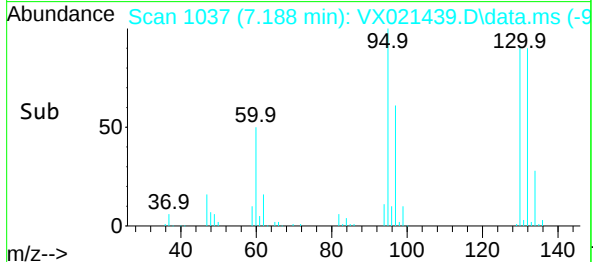
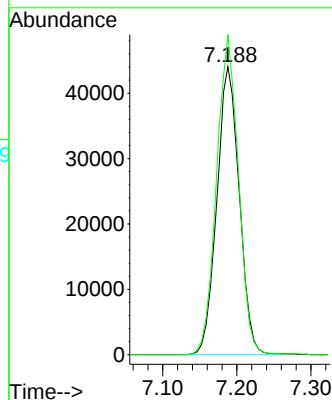
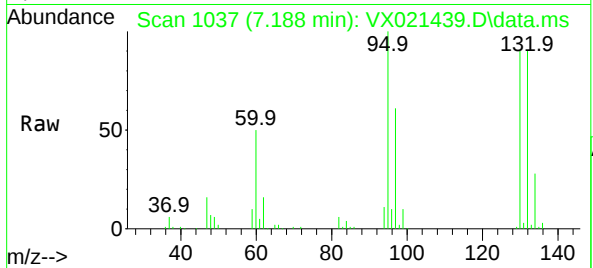




#44
Trichloroethene
Concen: 101.70 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

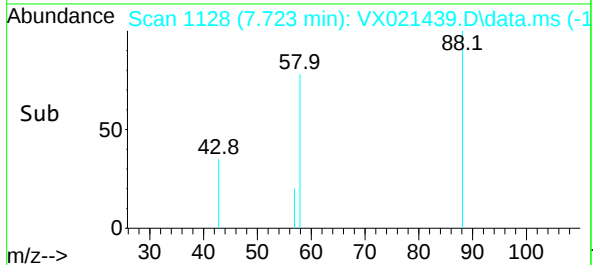
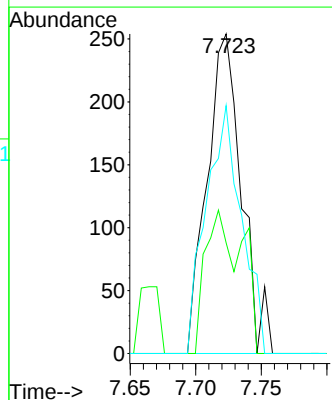
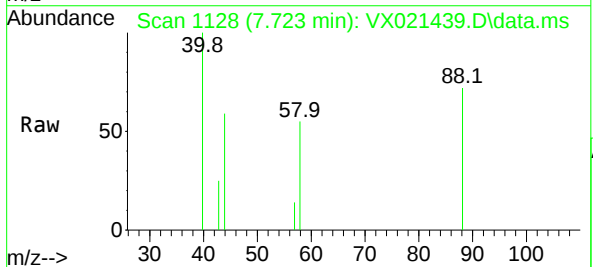
Instrument :
MSVOA_X
ClientSampled :

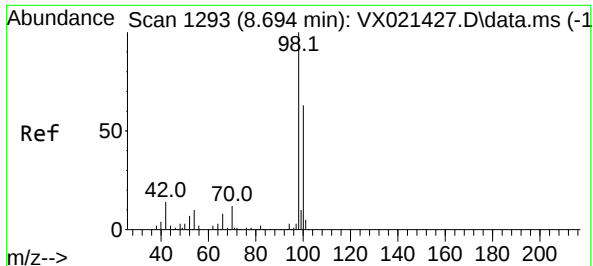
Tgt Ion:130 Resp: 92397
Ion Ratio Lower Upper
130 100
95 111.1 0.0 198.0



#49
1,4-Dioxane
Concen: 21.30 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion: 88 Resp: 463
Ion Ratio Lower Upper
88 100
43 47.7 23.2 34.8#
58 80.1 55.0 82.4

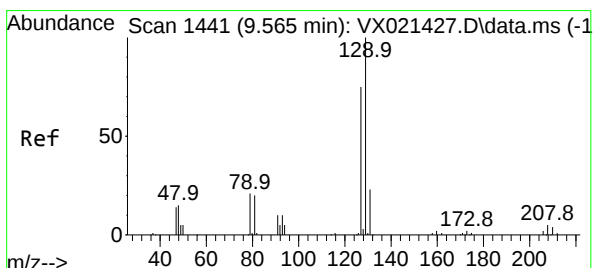
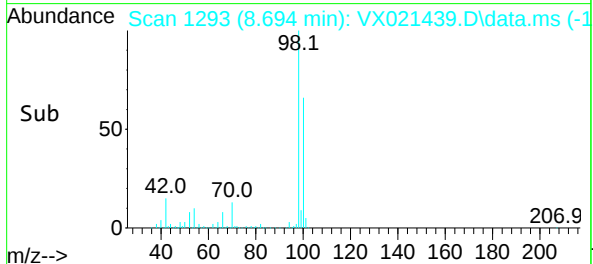
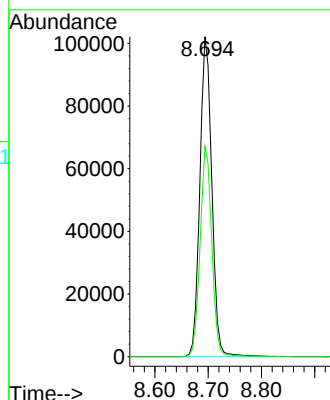
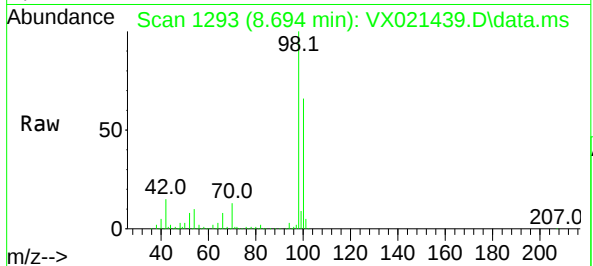




#50
Toluene-d8
Concen: 50.86 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

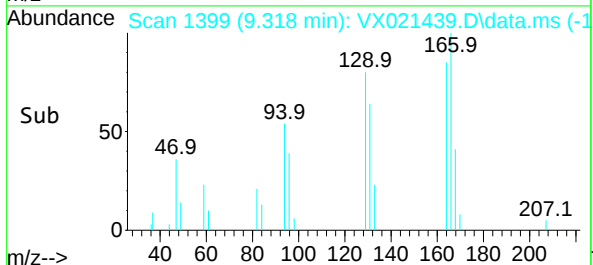
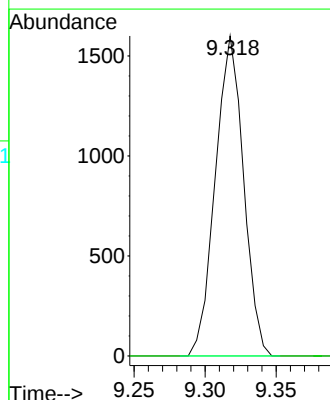
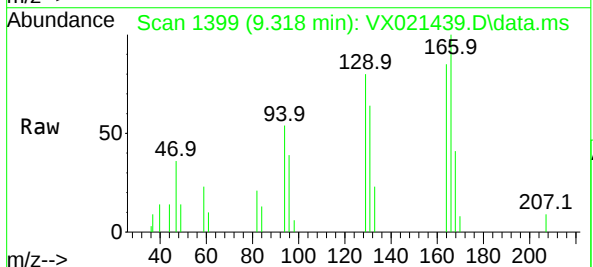
Instrument :
MSVOA_X
ClientSampled :

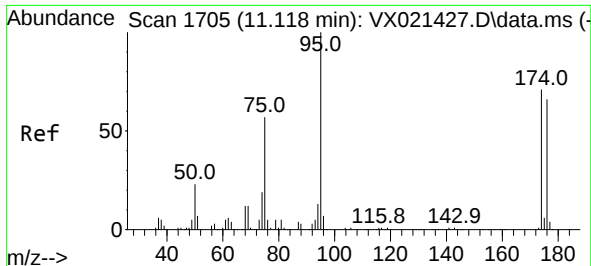
Tgt Ion: 98 Resp: 159296
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#60
Dibromochloromethane
Concen: 2.20 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion: 129 Resp: 2212
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

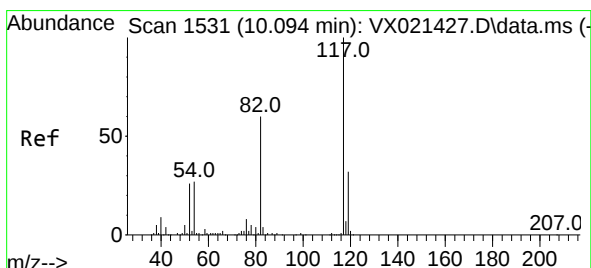
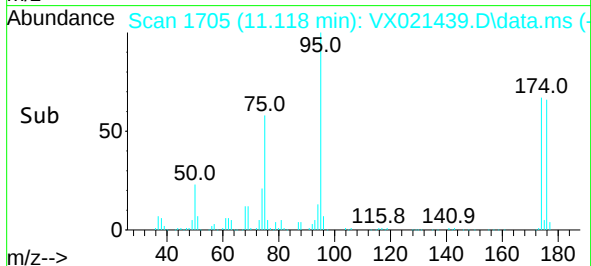
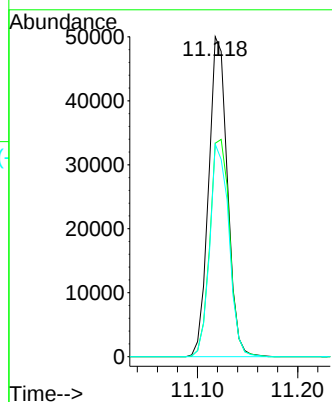
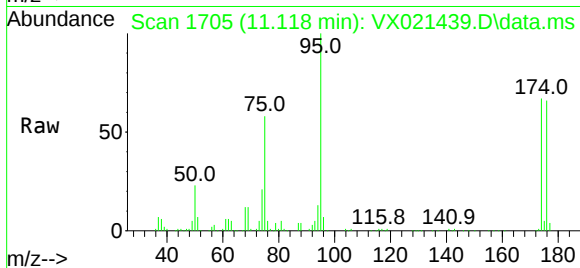




#62
4-Bromofluorobenzene
Concen: 53.68 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

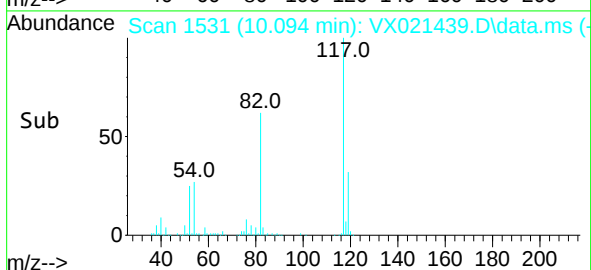
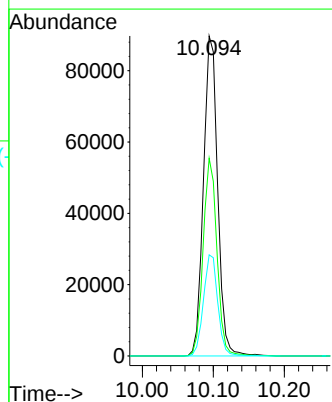
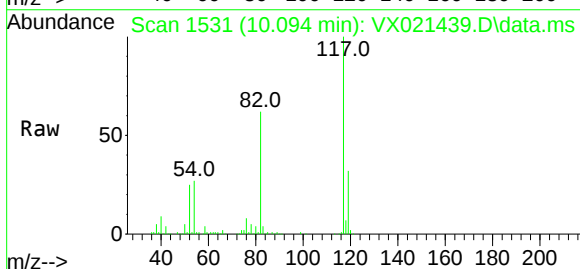
Instrument :
MSVOA_X
ClientSampled :

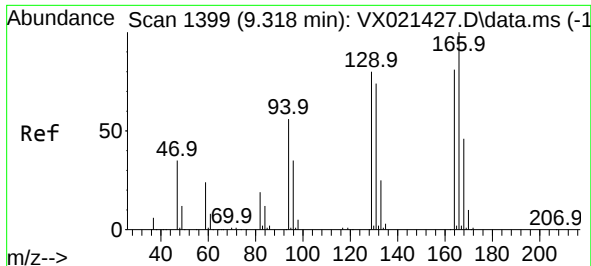
Tgt Ion: 95 Resp: 65366
Ion Ratio Lower Upper
95 100
174 71.5 0.0 154.6
176 67.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

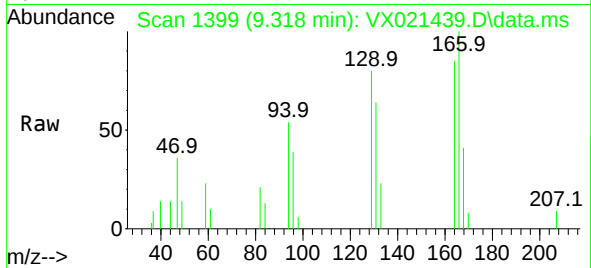
Tgt Ion: 117 Resp: 125139
Ion Ratio Lower Upper
117 100
82 61.8 47.4 71.2
119 31.6 26.6 39.8





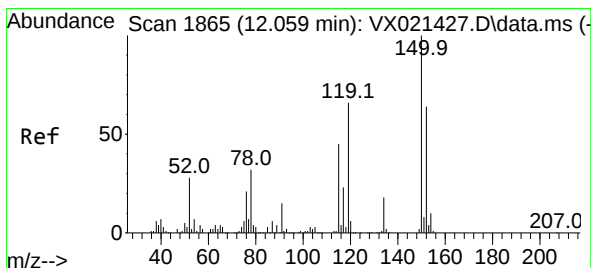
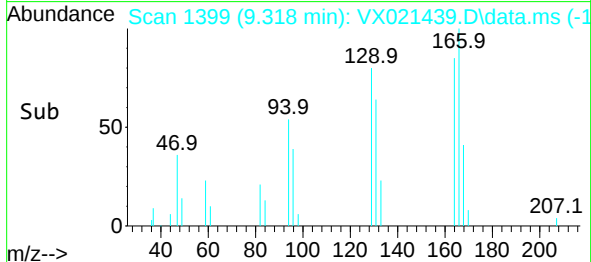
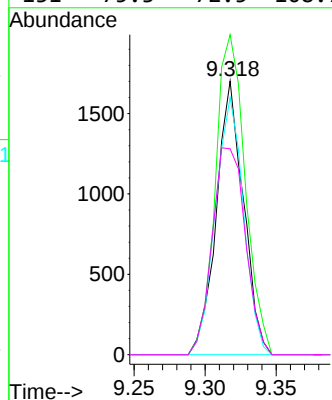
#64
Tetrachloroethene
Concen: 2.70 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Instrument :
MSVOA_X
ClientSampleId :

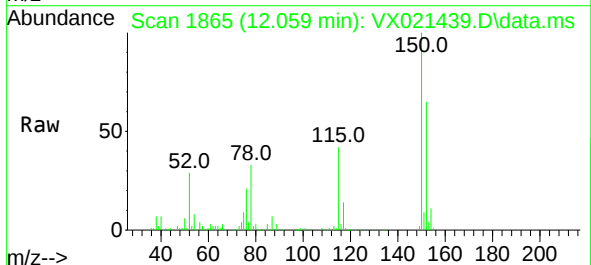


Tgt Ion:164 Resp: 2260

Ion	Ratio	Lower	Upper
164	100		
166	117.0	103.4	155.2
129	94.0	70.8	106.2
131	75.3	72.5	108.7

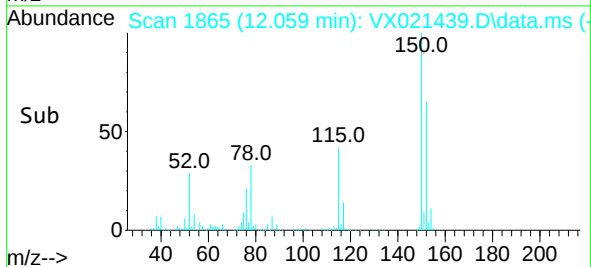
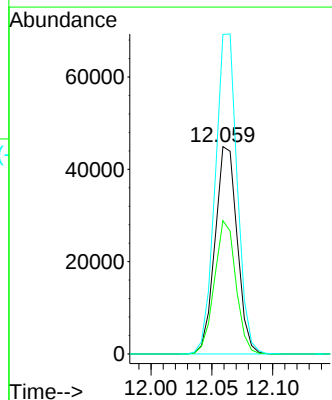


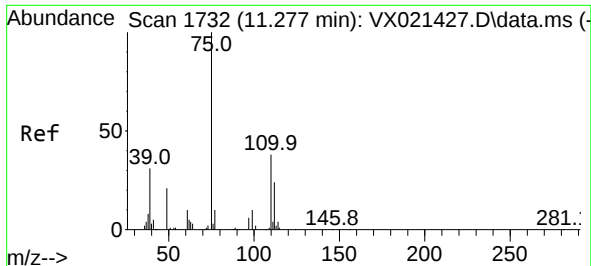
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34



Tgt Ion:152 Resp: 56887

Ion	Ratio	Lower	Upper
152	100		
115	62.3	41.1	123.3
150	153.6	0.0	349.0

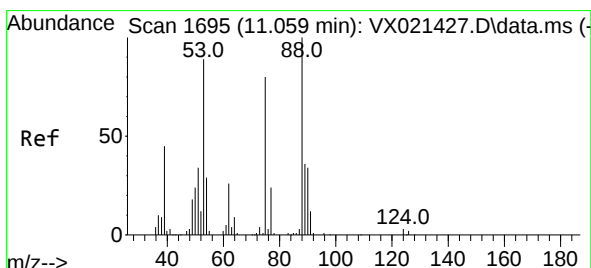
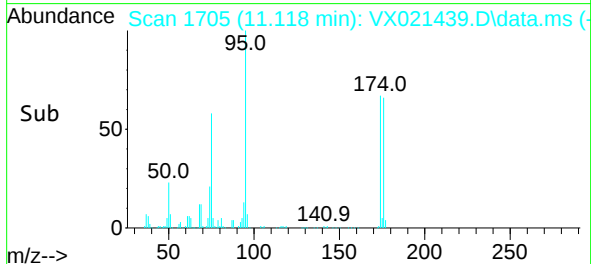
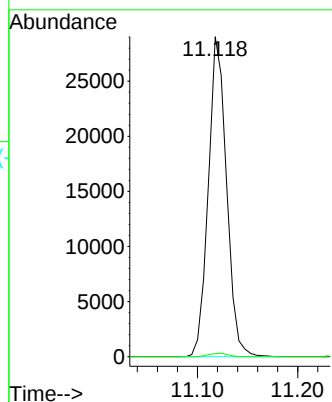
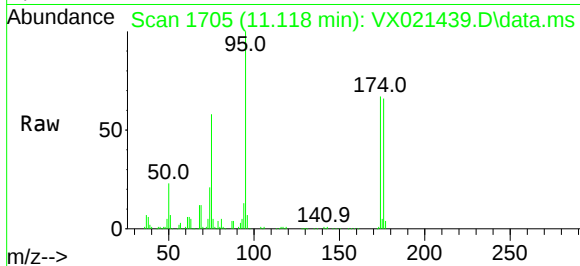




#76
1,2,3-Trichloropropane
Concen: 27.70 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 36684
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.37 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021439.D
Acq: 24 Mar 2021 16:34

Tgt Ion: 75 Resp: 36684
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

