

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033121\
 Data File : VX021686.D
 Acq On : 31 Mar 2021 15:35
 Operator : JC/MD
 Sample : M1843-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 01 03:26:10 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)

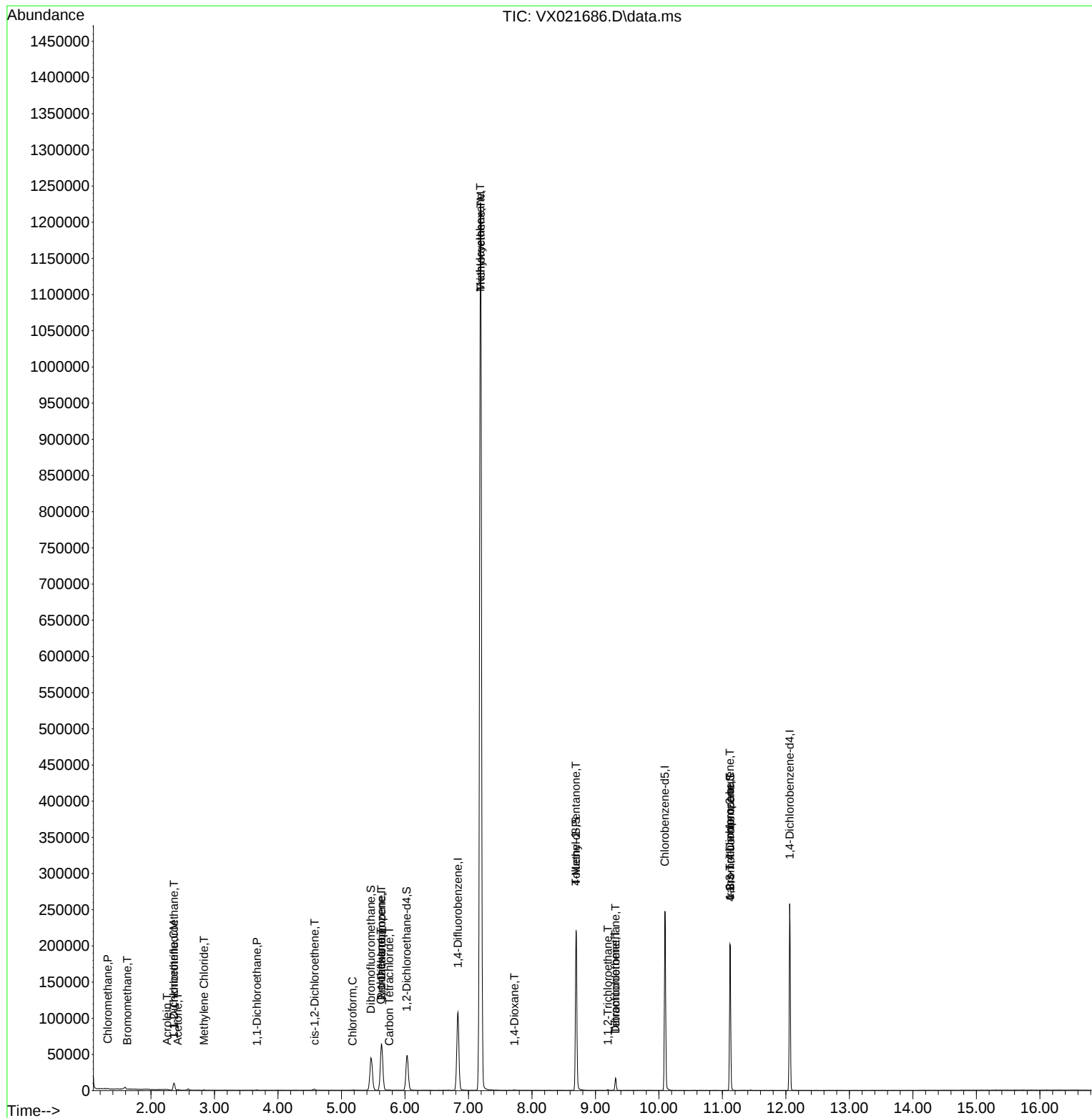
Internal Standards						
1) Pentafluorobenzene	5.629	168	54332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	101246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	105929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	47568	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	48460	53.61	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.22%			
35) Dibromofluoromethane	5.464	113	37434	52.05	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.10%			
50) Toluene-d8	8.694	98	128532	50.15	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.30%			
62) 4-Bromofluorobenzene	11.124	95	52423	52.61	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.22%			
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1426	2.12	ug/l	93
5) Bromomethane	1.628	94	73	0.30	ug/l #	2
9) 1,1,2-Trichlorotrifluo...	2.364	101	2783	4.98	ug/l	95
12) 1,1-Dichloroethene	2.358	96	1080	1.97	ug/l	95
13) Acrolein	2.252	56	43	4.86	ug/l #	77
16) Acetone	2.423	43	452	1.32	ug/l	97
20) Methylene Chloride	2.834	84	153	0.23	ug/l #	53
24) 1,1-Dichloroethane	3.670	63	474	0.41	ug/l #	81
27) cis-1,2-Dichloroethene	4.576	96	955	1.37	ug/l	98
30) Chloroform	5.176	83	457	0.37	ug/l	94
31) Cyclohexane	5.623	56	1577	1.59	ug/l #	38
36) 1,1-Dichloropropene	5.629	75	4880	4.92	ug/l #	45
38) Carbon Tetrachloride	5.753	117	372	0.35	ug/l #	61
39) Methylcyclohexane	7.188	83	5807	5.28	ug/l #	1
44) Trichloroethene	7.194	130	435604	585.97	ug/l	96
49) 1,4-Dioxane	7.723	88	369	20.74	ug/l #	86
51) 4-Methyl-2-Pentanone	8.694	43	759	0.66	ug/l #	1
55) 1,1,2-Trichloroethane	9.194	97	275	0.37	ug/l #	87
60) Dibromochloromethane	9.318	129	2948	3.58	ug/l #	11
64) Tetrachloroethene	9.318	164	2926	4.12	ug/l	95
76) 1,2,3-Trichloropropane	11.118	75	29371	26.52	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	29371	80.79	ug/l #	12

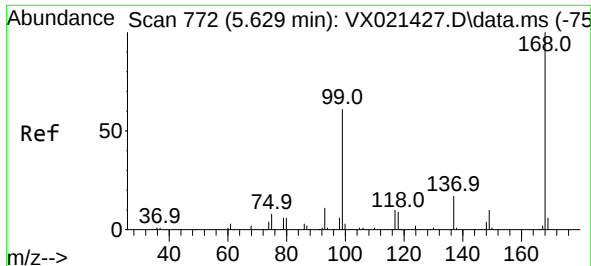
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

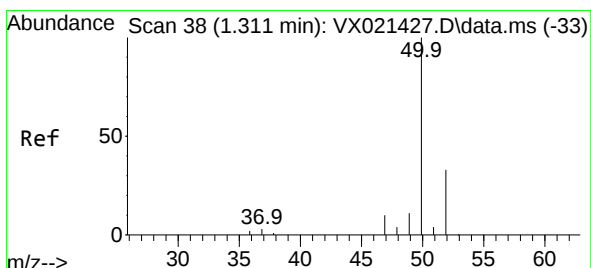
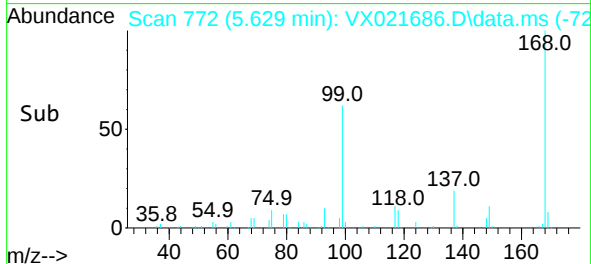
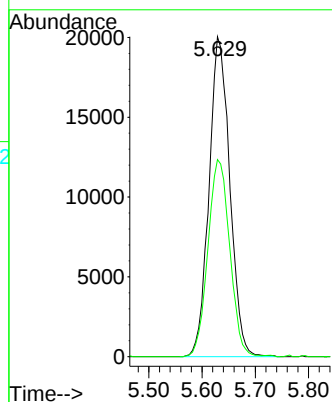
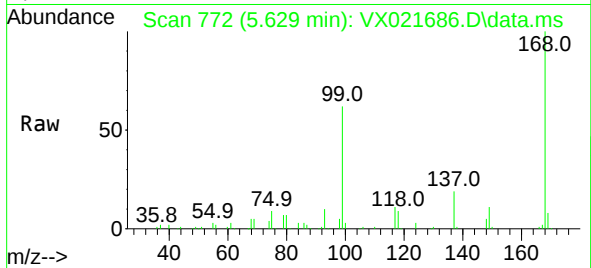




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

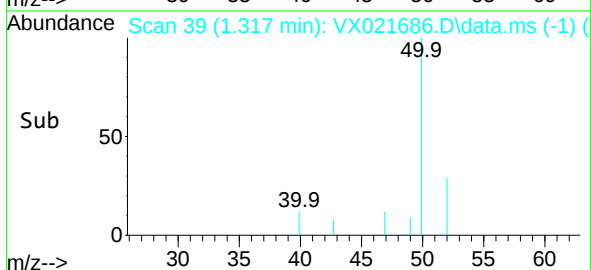
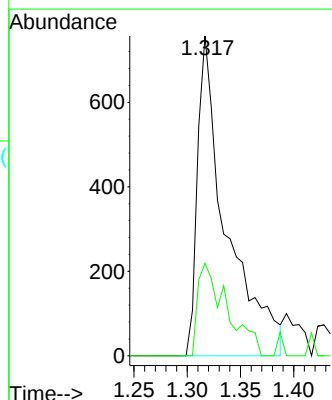
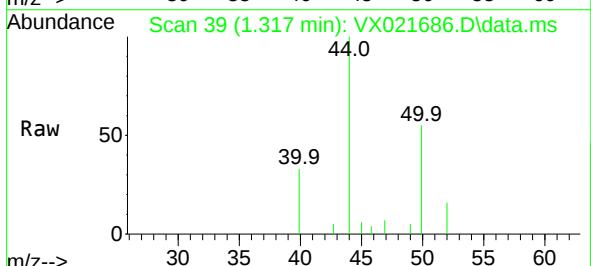
Instrument :
MSVOA_X
ClientSampled :

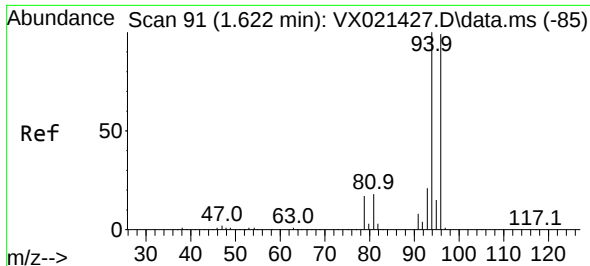
Tgt Ion:168 Resp: 54332
Ion Ratio Lower Upper
168 100
99 61.6 45.8 68.6



#3
Chloromethane
Concen: 2.12 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

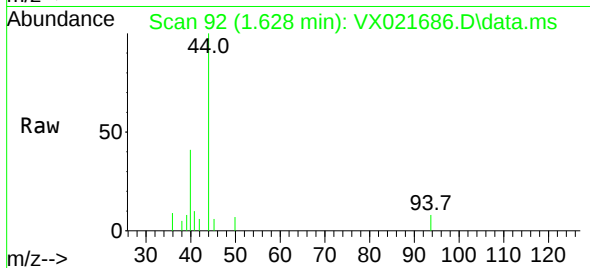
Tgt Ion: 50 Resp: 1426
Ion Ratio Lower Upper
50 100
52 28.9 26.4 39.6



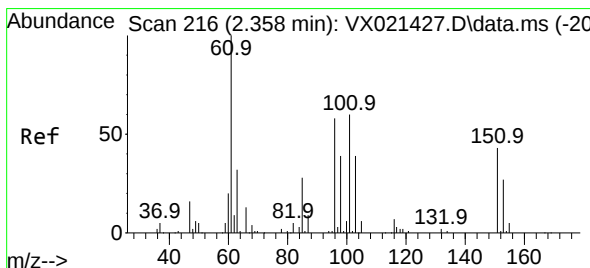
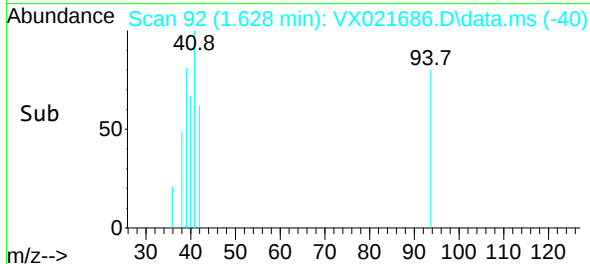
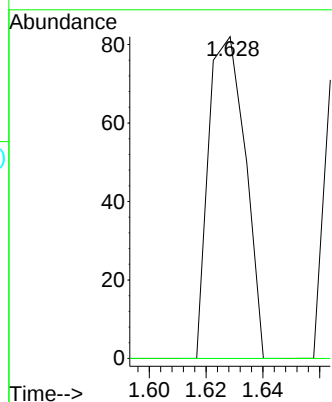


#5
Bromomethane
Concen: 0.30 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Instrument :
MSVOA_X
ClientSampled :

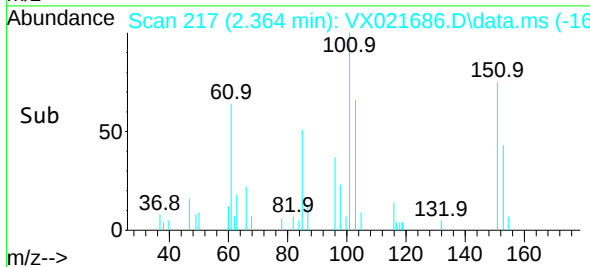
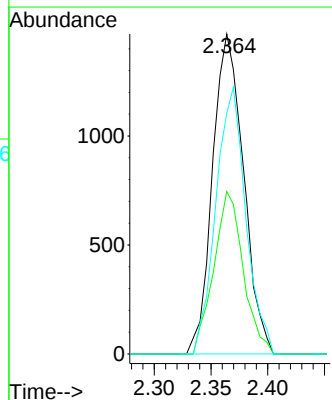
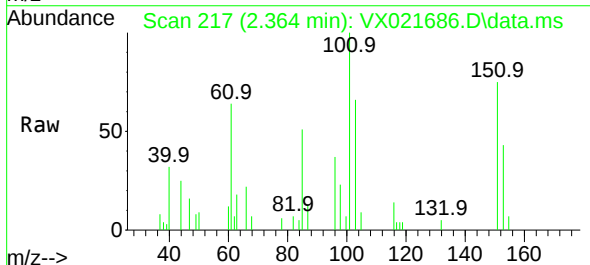


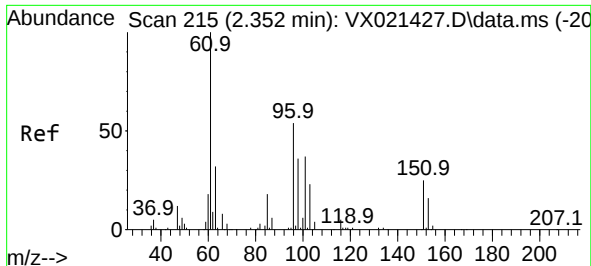
Tgt Ion: 94 Resp: 73
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.98 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

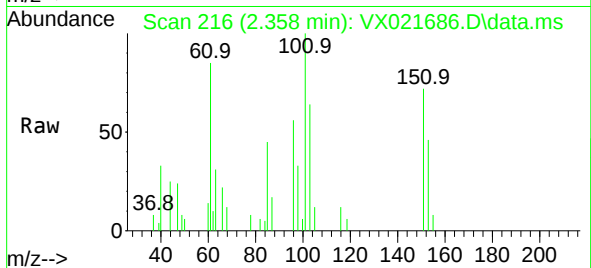
Tgt Ion: 101 Resp: 2783
Ion Ratio Lower Upper
101 100
85 48.3 34.9 52.3
151 80.6 61.4 92.2



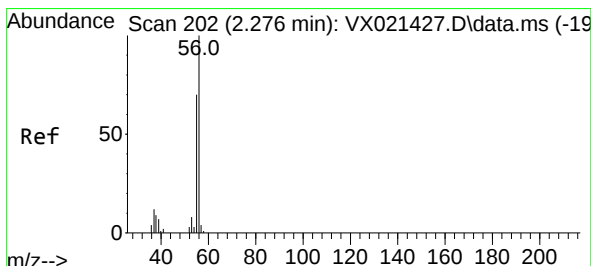
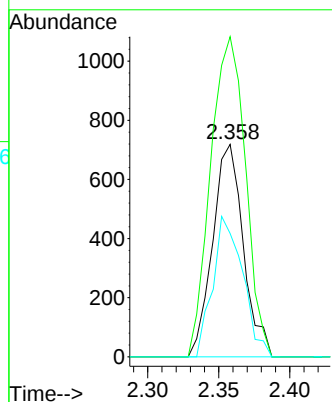
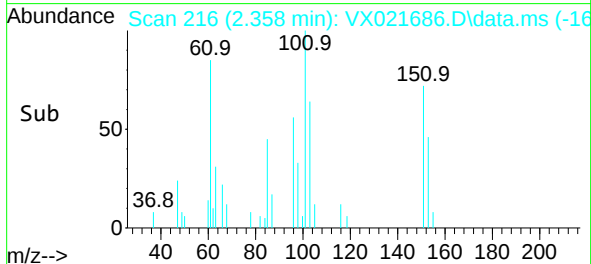


#12
1,1-Dichloroethene
Concen: 1.97 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

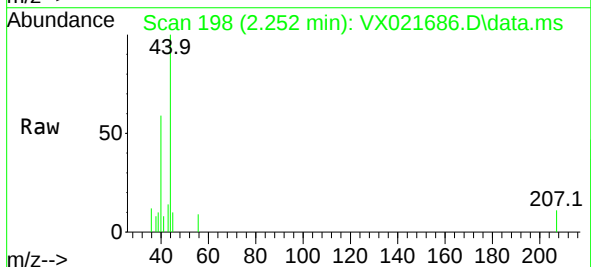
Instrument :
MSVOA_X
ClientSampled :



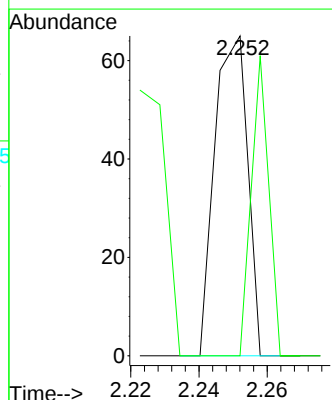
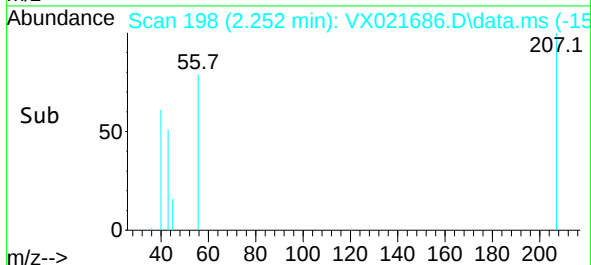
Tgt Ion: 96 Resp: 1080
Ion Ratio Lower Upper
96 100
61 150.6 124.6 187.0
98 58.0 50.6 76.0

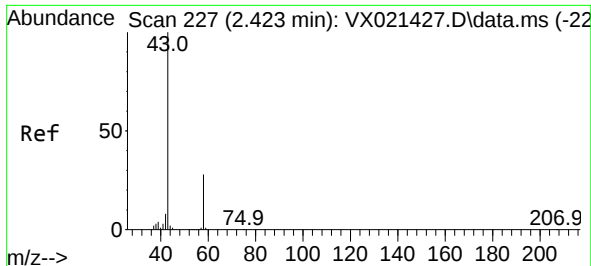


#13
Acrolein
Concen: 4.86 ug/l
RT: 2.252 min Scan# 198
Delta R.T. -0.024 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35



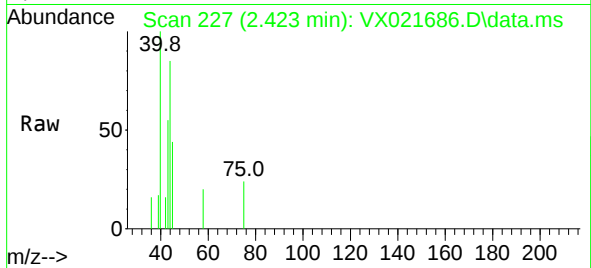
Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 51.2 56.4 84.6#



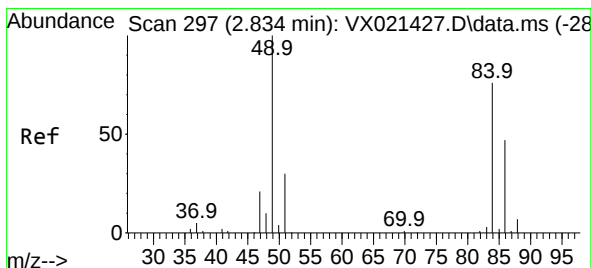
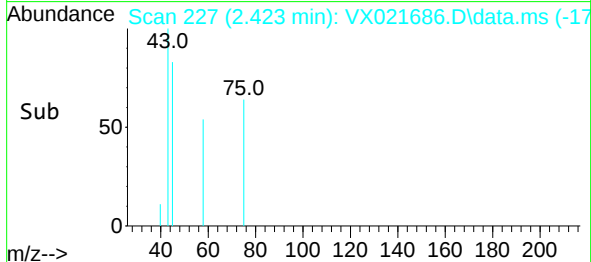
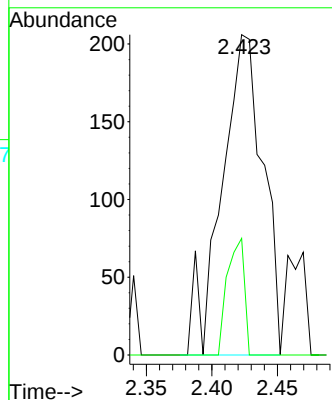


#16
Acetone
Concen: 1.32 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Instrument :
MSVOA_X
ClientSampled :

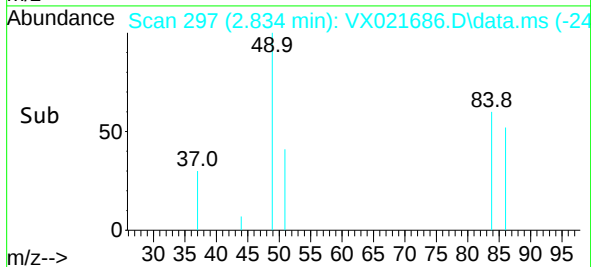
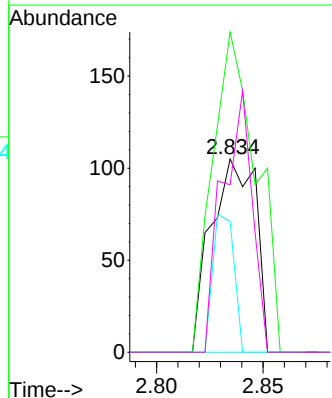
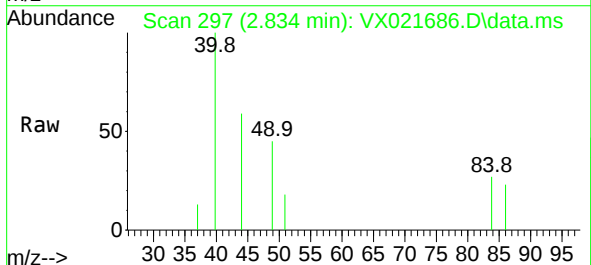


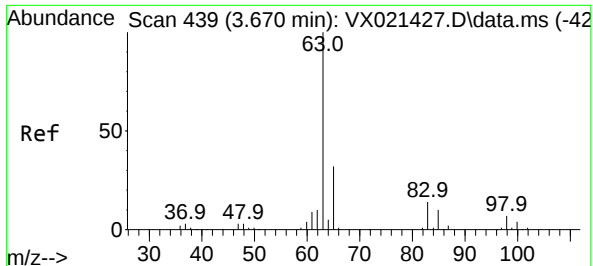
Tgt Ion: 43 Resp: 452
Ion Ratio Lower Upper
43 100
58 36.4 27.8 41.8



#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Tgt Ion: 84 Resp: 153
Ion Ratio Lower Upper
84 100
49 165.7 88.6 132.8#
51 67.6 27.0 40.6#
86 86.7 50.3 75.5#

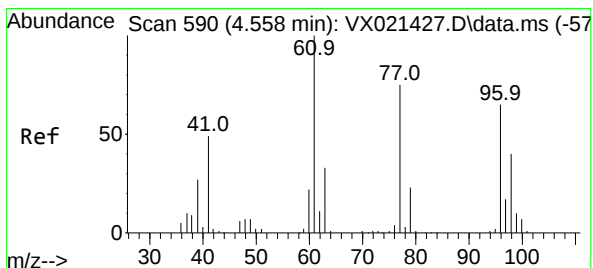
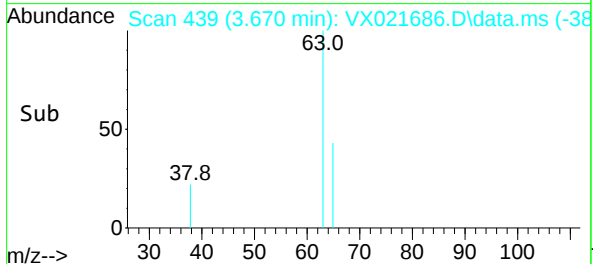
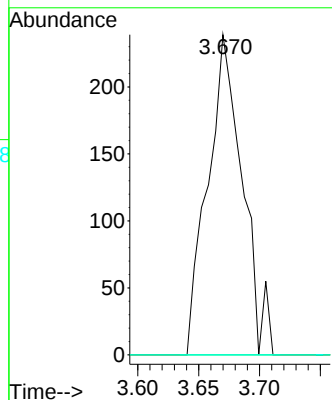
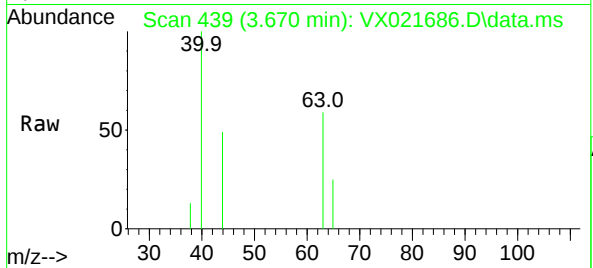




#24
1,1-Dichloroethane
Concen: 0.41 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

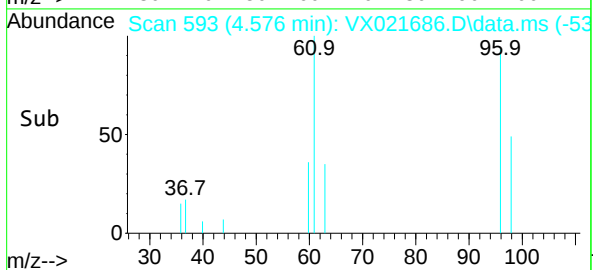
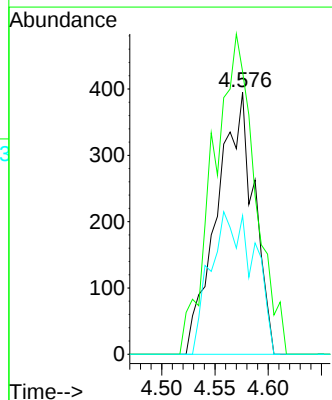
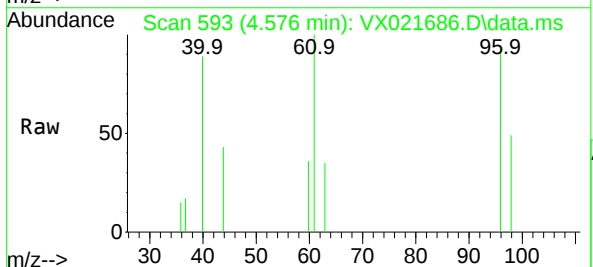
Instrument :
MSVOA_X
ClientSampled :

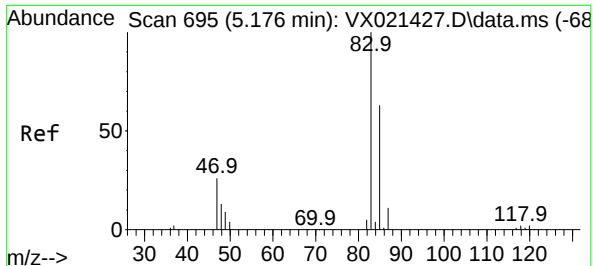
Tgt Ion: 63 Resp: 474
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 1.37 ug/l
RT: 4.576 min Scan# 593
Delta R.T. 0.018 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Tgt Ion: 96 Resp: 955
Ion Ratio Lower Upper
96 100
61 139.3 0.0 285.6
98 64.3 0.0 129.6





#30

Chloroform

Concen: 0.37 ug/l

RT: 5.176 min Scan# 695

Delta R.T. -0.000 min

Lab File: VX021686.D

Acq: 31 Mar 2021 15:35

Tgt Ion: 83 Resp: 457

Ion Ratio Lower Upper

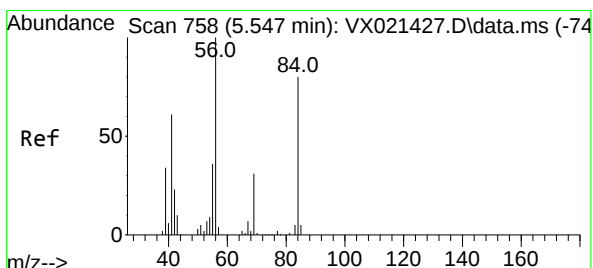
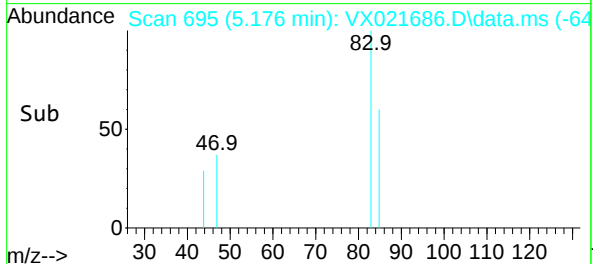
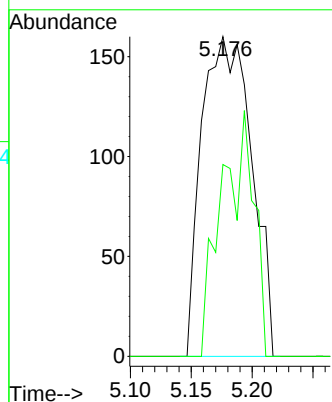
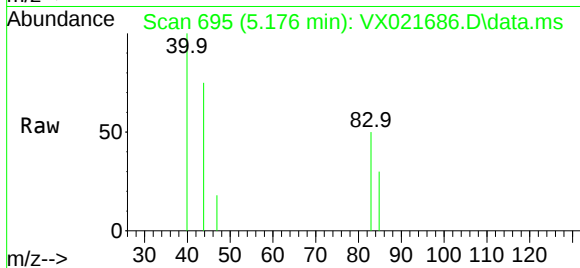
83 100

85 60.0 52.0 78.0

Instrument :

MSVOA_X

ClientSampled :



#31

Cyclohexane

Concen: 1.59 ug/l

RT: 5.623 min Scan# 771

Delta R.T. 0.076 min

Lab File: VX021686.D

Acq: 31 Mar 2021 15:35

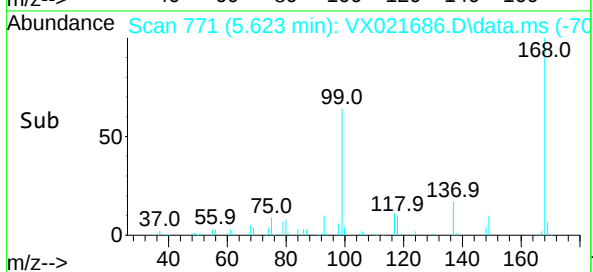
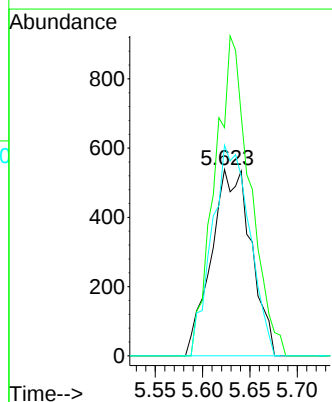
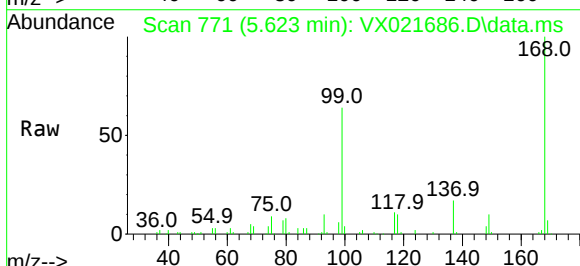
Tgt Ion: 56 Resp: 1577

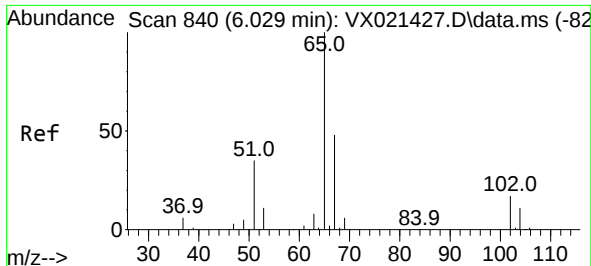
Ion Ratio Lower Upper

56 100

69 122.5 25.3 37.9#

84 113.2 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 53.61 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021686.D

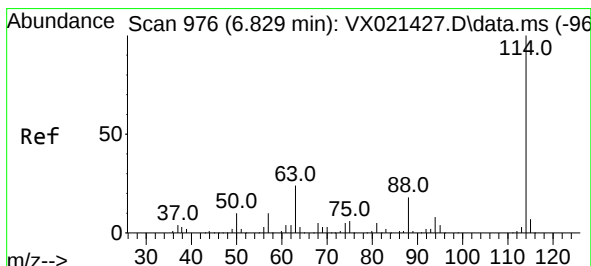
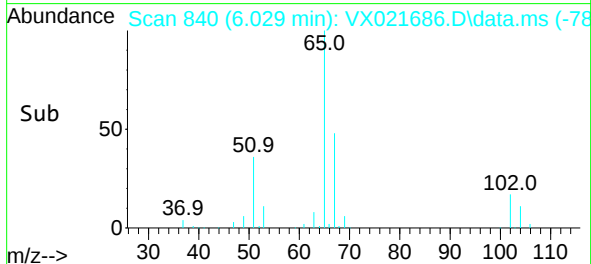
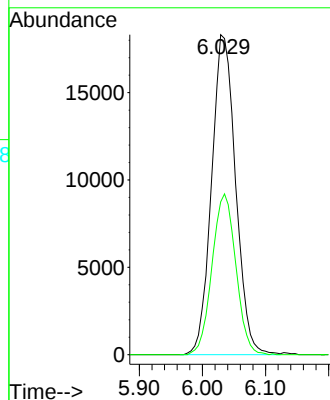
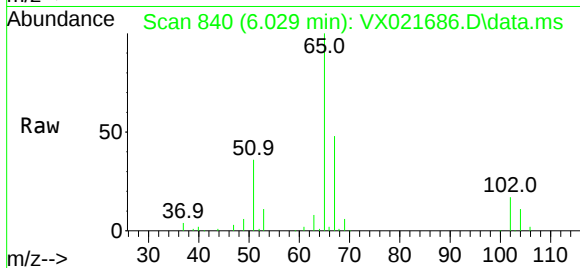
Acq: 31 Mar 2021 15:35

Tgt Ion: 65 Resp: 48460

Ion Ratio Lower Upper

65 100

67 49.7 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.835 min Scan# 977

Delta R.T. 0.006 min

Lab File: VX021686.D

Acq: 31 Mar 2021 15:35

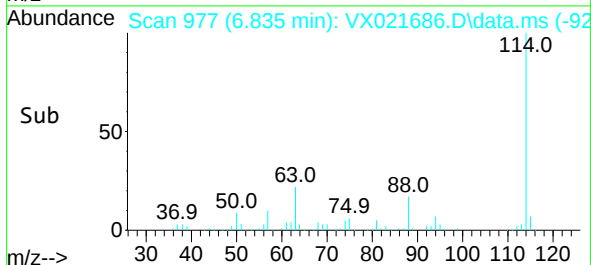
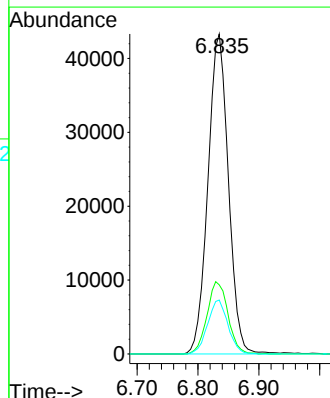
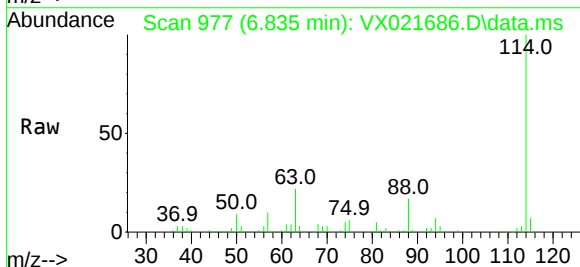
Tgt Ion: 114 Resp: 101246

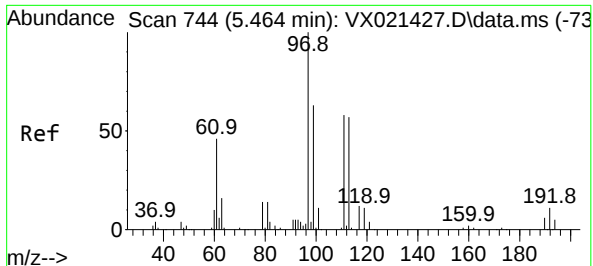
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.8

88 16.9 0.0 32.8

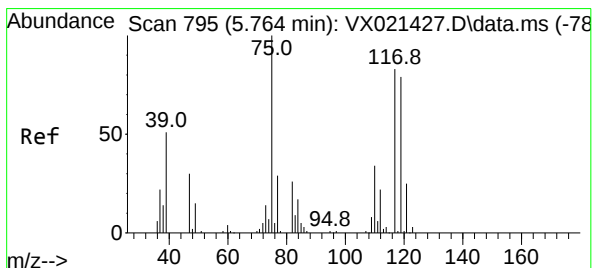
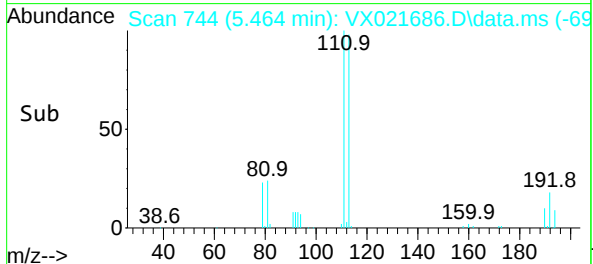
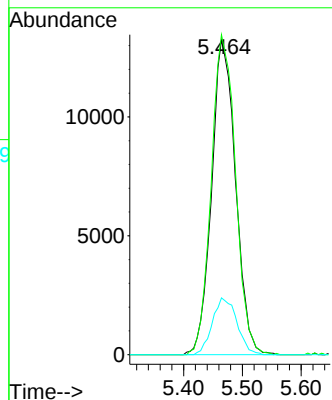
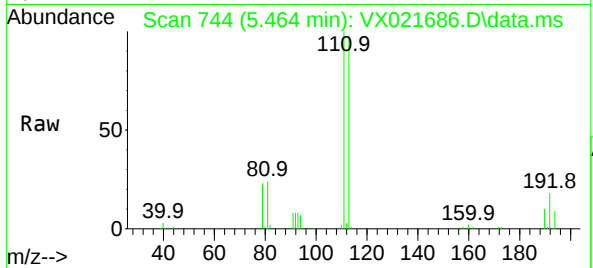




#35
Dibromofluoromethane
Concen: 52.05 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

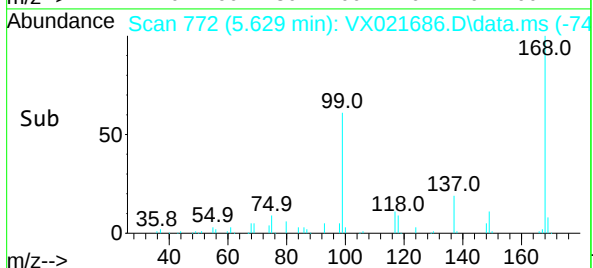
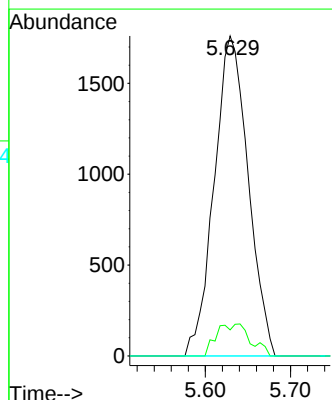
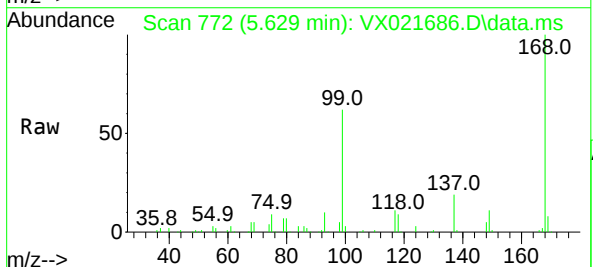
Instrument :
MSVOA_X
ClientSampled :

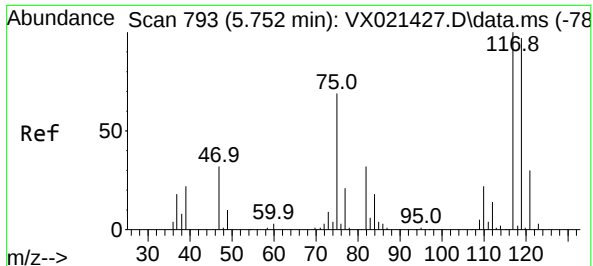
Tgt Ion:113 Resp: 37434
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 18.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.92 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Tgt Ion: 75 Resp: 4880
Ion Ratio Lower Upper
75 100
110 4.7 18.1 54.4#
77 0.0 25.3 37.9#

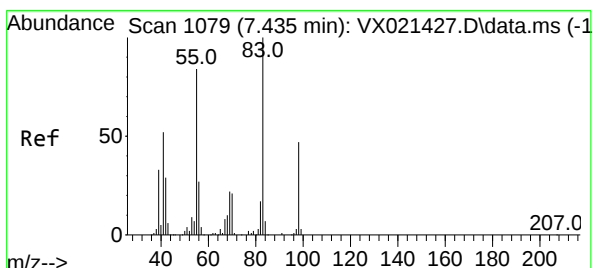
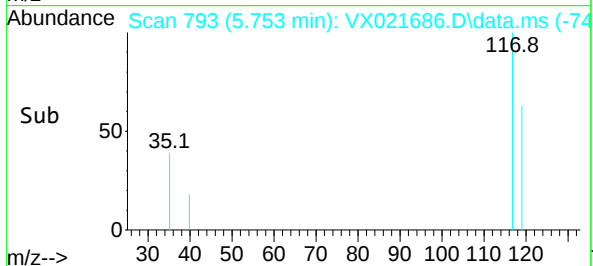
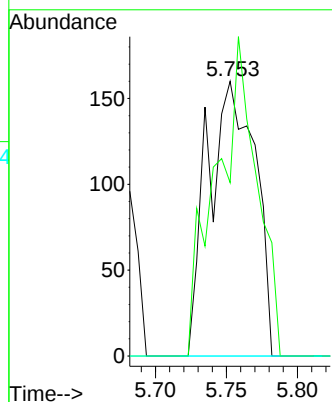
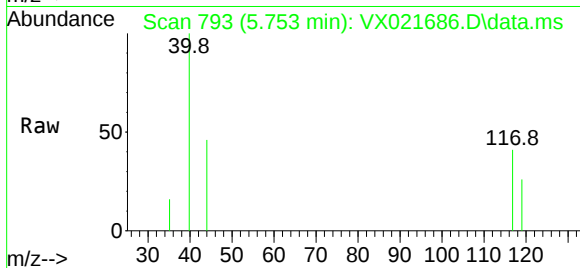




#38
Carbon Tetrachloride
Concen: 0.35 ug/l
RT: 5.753 min Scan# 793
Delta R.T. 0.001 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

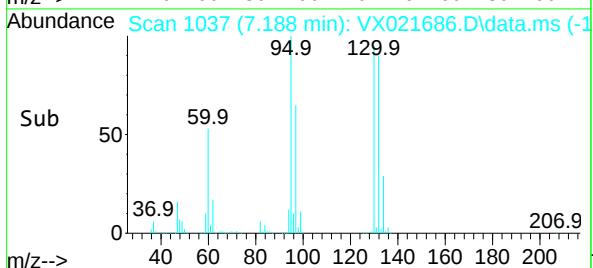
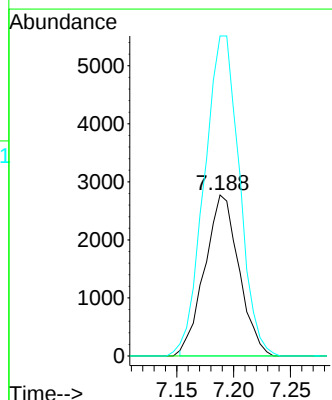
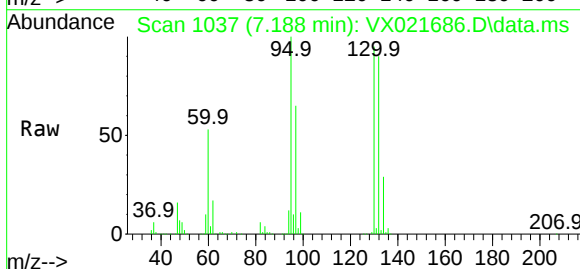
Instrument :
MSVOA_X
ClientSampled :

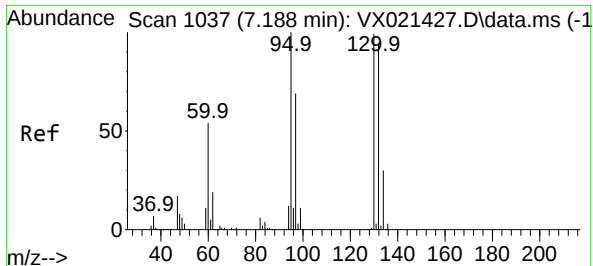
Tgt Ion:117 Resp: 372
Ion Ratio Lower Upper
117 100
119 63.1 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 5.28 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Tgt Ion: 83 Resp: 5807
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 198.7 38.1 57.1#

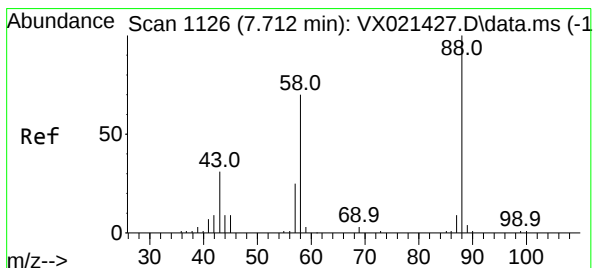
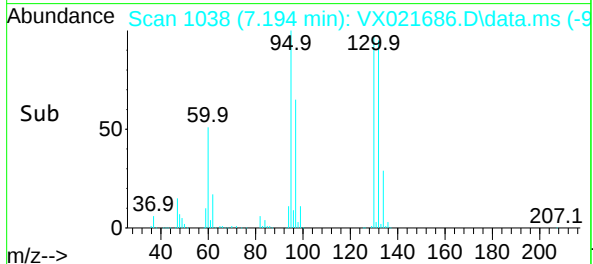
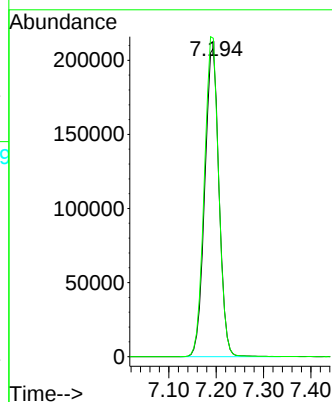
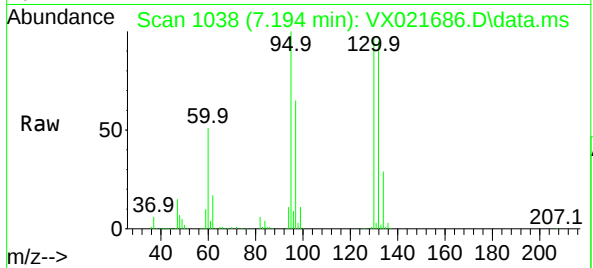




#44
Trichloroethene
Concen: 585.97 ug/l
RT: 7.194 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

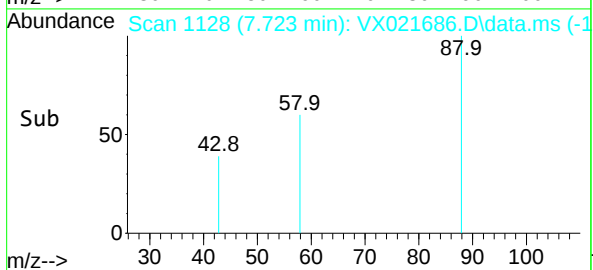
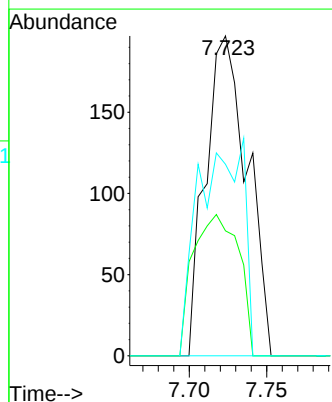
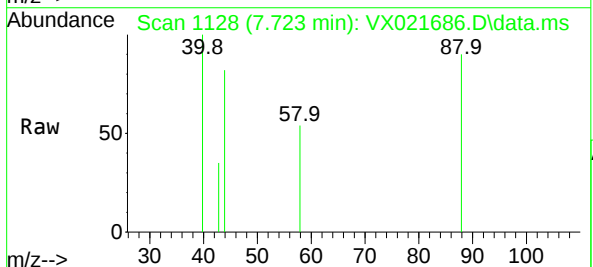
Instrument :
MSVOA_X
ClientSampled :

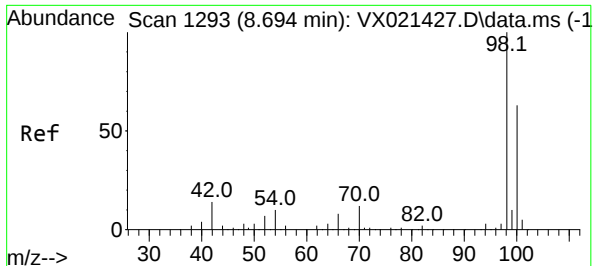
Tgt Ion:130 Resp: 435604
Ion Ratio Lower Upper
130 100
95 103.3 0.0 198.0



#49
1,4-Dioxane
Concen: 20.74 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Tgt Ion: 88 Resp: 369
Ion Ratio Lower Upper
88 100
43 48.2 23.2 34.8#
58 72.4 55.0 82.4





#50

Toluene-d8

Concen: 50.15 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VX021686.D

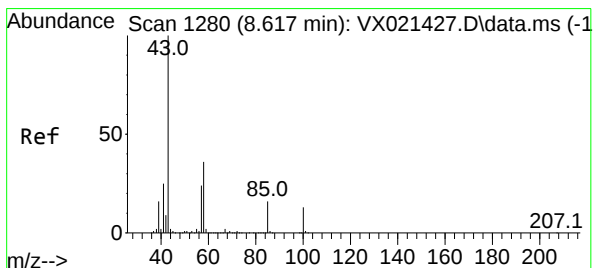
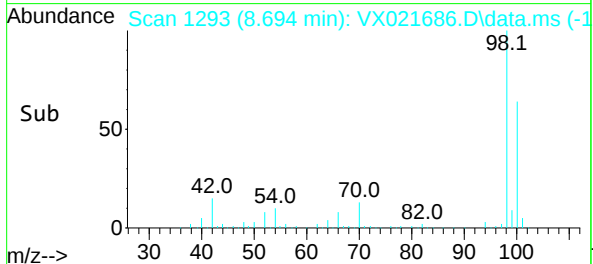
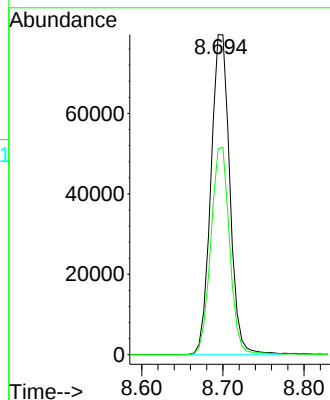
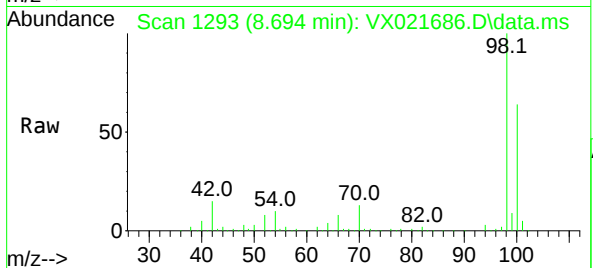
Acq: 31 Mar 2021 15:35

Tgt Ion: 98 Resp: 128532

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.66 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.077 min

Lab File: VX021686.D

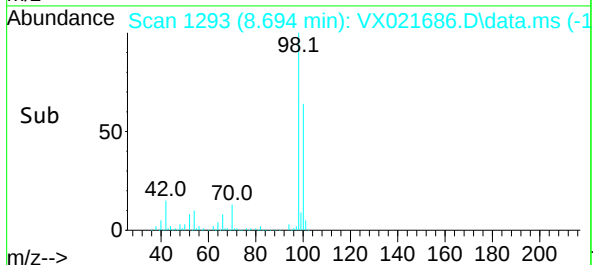
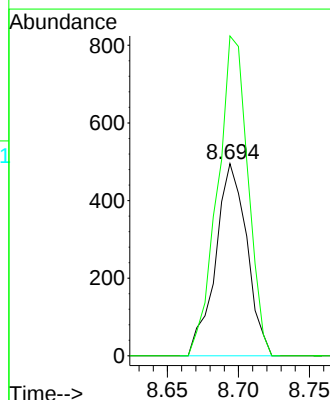
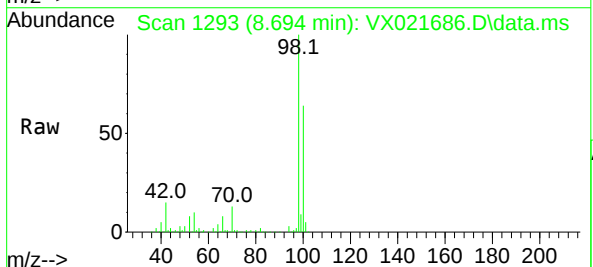
Acq: 31 Mar 2021 15:35

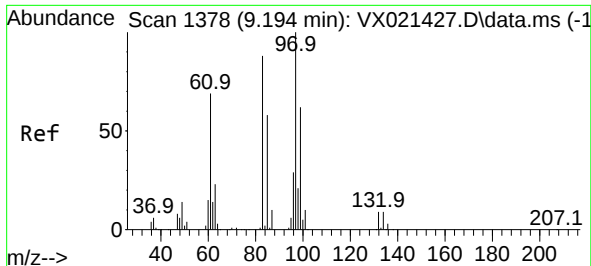
Tgt Ion: 43 Resp: 759

Ion Ratio Lower Upper

43 100

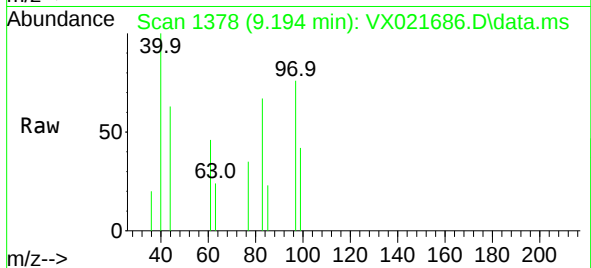
58 161.7 35.4 53.0#



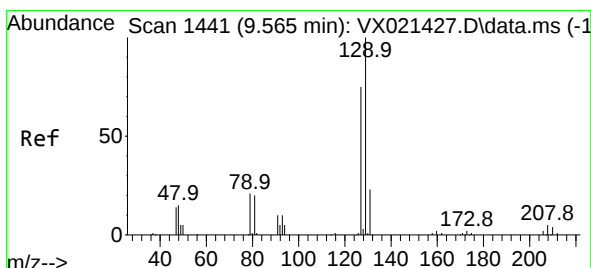
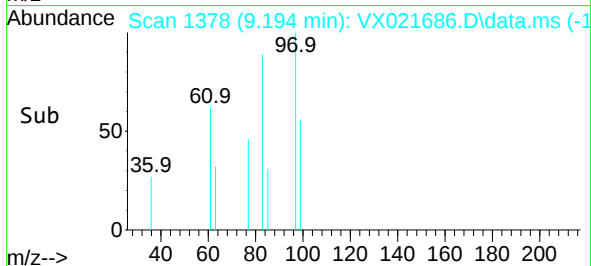
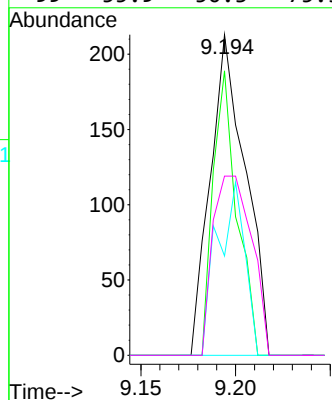


#55
1,1,2-Trichloroethane
Concen: 0.37 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Instrument :
MSVOA_X
ClientSampled :

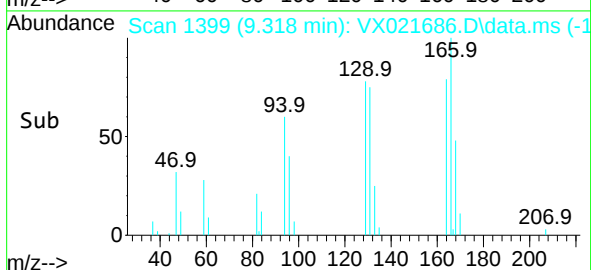
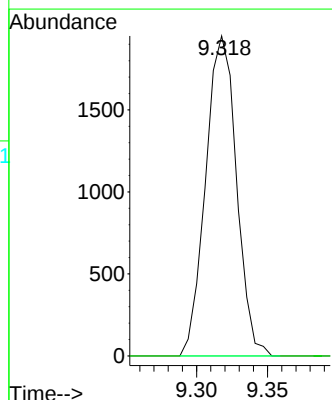
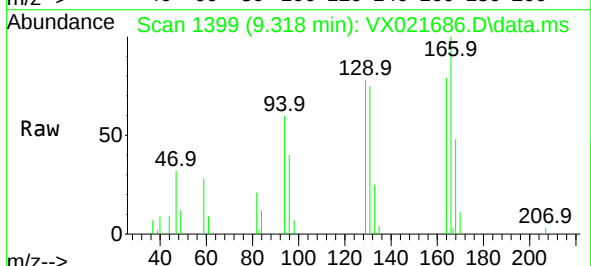


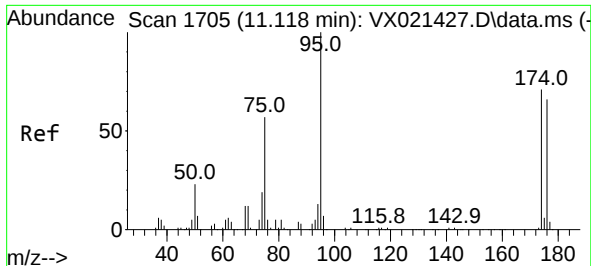
Tgt Ion: 97	Resp: 275
Ion Ratio	Lower Upper
97 100	
83 88.7	69.3 103.9
85 31.0	44.3 66.5#
99 55.9	50.3 75.5



#60
Dibromochloromethane
Concen: 3.58 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Tgt Ion:129	Resp:	2948	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#

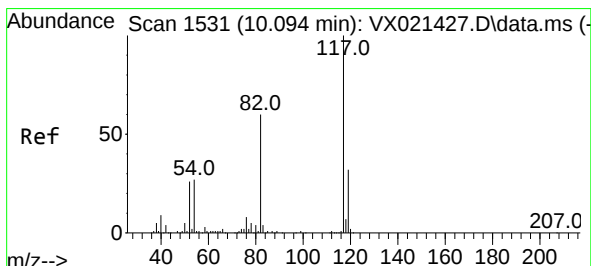
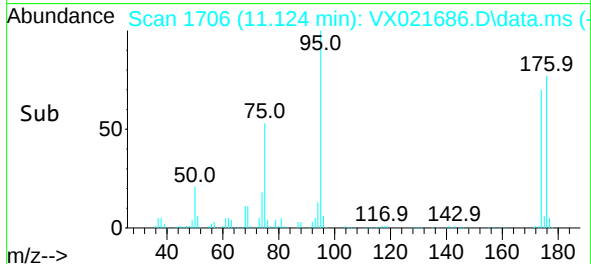
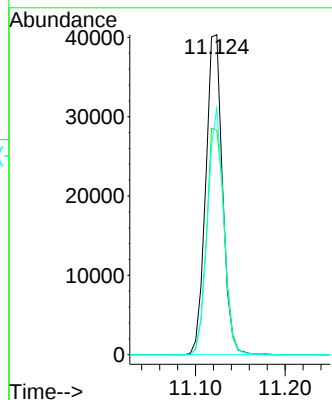
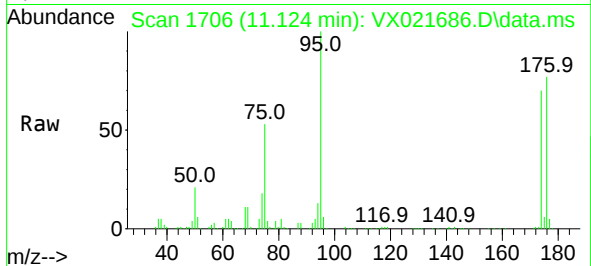




#62
4-Bromofluorobenzene
Concen: 52.61 ug/l
RT: 11.124 min Scan# 1706
Delta R.T. 0.006 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

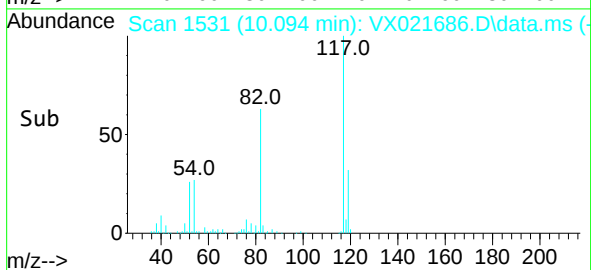
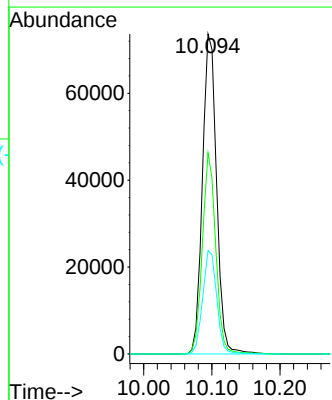
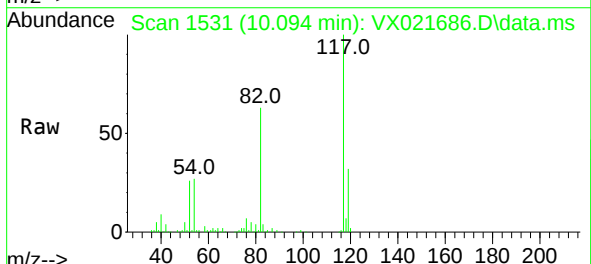
Instrument :
MSVOA_X
ClientSampled :

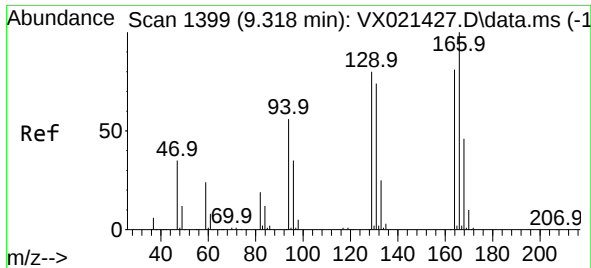
Tgt Ion: 95 Resp: 52423
Ion Ratio Lower Upper
95 100
174 75.0 0.0 154.6
176 73.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

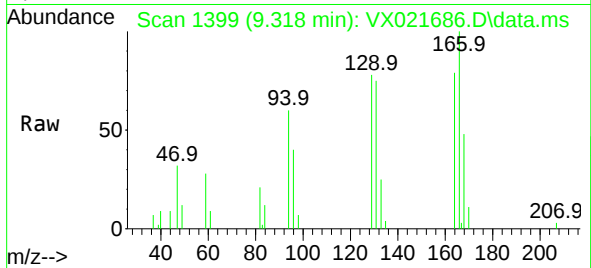
Tgt Ion: 117 Resp: 105929
Ion Ratio Lower Upper
117 100
82 62.9 47.4 71.2
119 32.3 26.6 39.8



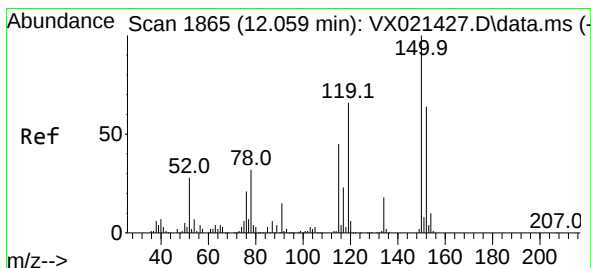
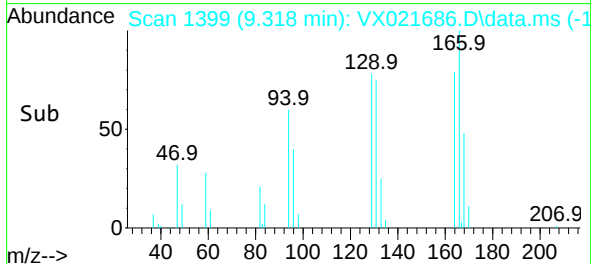
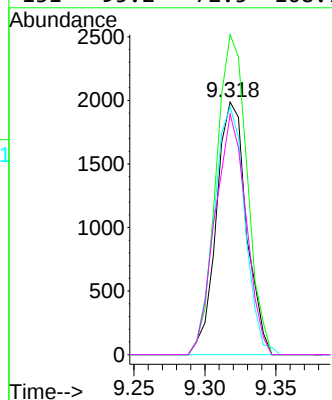


#64
Tetrachloroethene
Concen: 4.12 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Instrument :
MSVOA_X
ClientSampled :

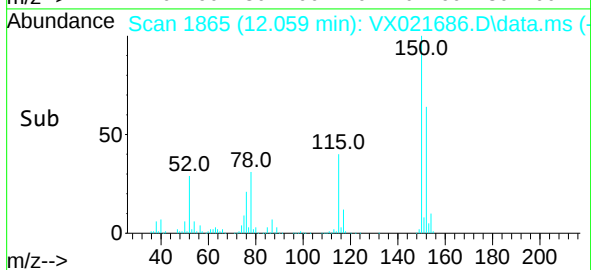
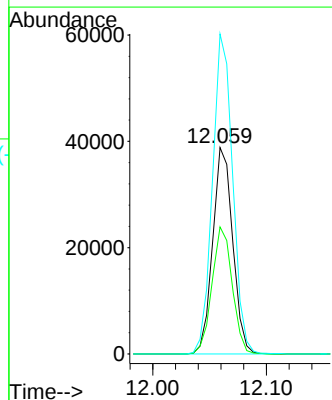
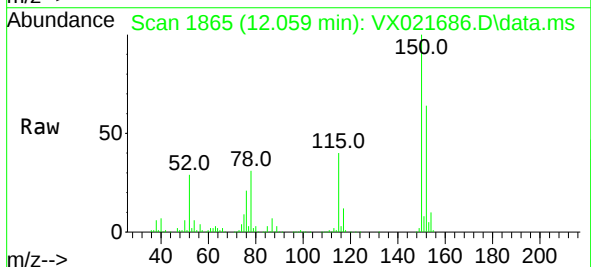


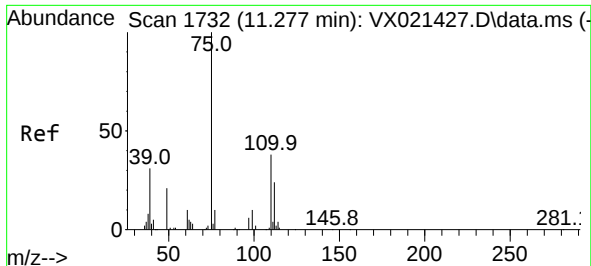
Tgt Ion:164	Resp:	2926
Ion	Ratio	Lower Upper
164	100	
166	126.7	103.4 155.2
129	98.2	70.8 106.2
131	95.2	72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Tgt Ion:152	Resp:	47568
Ion	Ratio	Lower Upper
152	100	
115	62.1	41.1 123.3
150	156.1	0.0 349.0

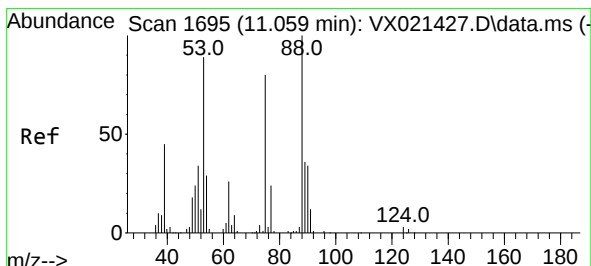
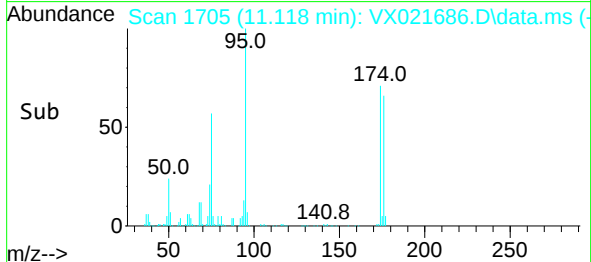
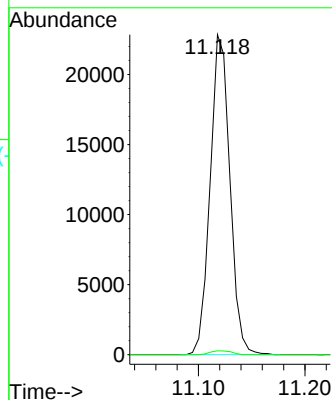
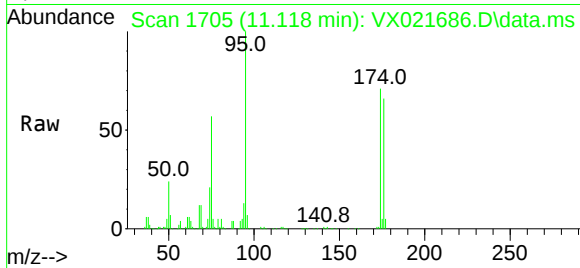




#76
1,2,3-Trichloropropane
Concen: 26.52 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 29371
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.79 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021686.D
Acq: 31 Mar 2021 15:35

Tgt Ion: 75 Resp: 29371
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

