

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030921\
 Data File : VX021109.D
 Acq On : 09 Mar 2021 15:29
 Operator : JC/MD
 Sample : M1596-18 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 10 00:31:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

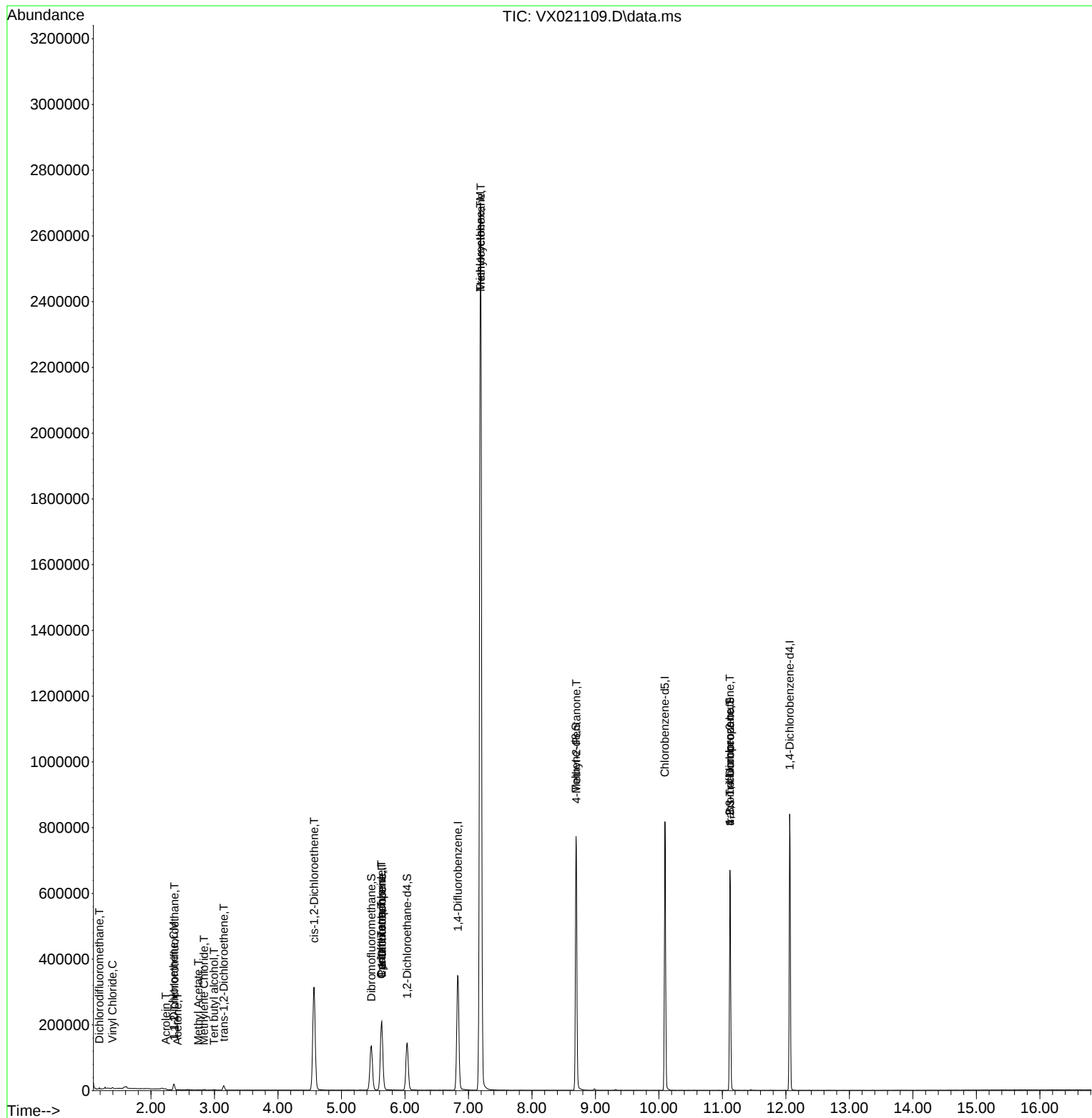
Internal Standards						
1) Pentafluorobenzene	5.635	168	202058	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.835	114	376252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	380707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	175952	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	138013	50.57	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.14%
35) Dibromofluoromethane	5.470	113	118956	52.04	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.08%
50) Toluene-d8	8.694	98	477569	53.58	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.16%
62) 4-Bromofluorobenzene	11.118	95	184656	56.03	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	112.06%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	1827	0.84	ug/l	99
4) Vinyl Chloride	1.393	62	1791	0.64	ug/l	97
5) Bromomethane	1.634	94	475	Below Cal		92
9) 1,1,2-Trichlorotrifluo...	2.370	101	2016	0.93	ug/l	96
11) Tert butyl alcohol	2.993	59	630	1.04	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	5000	2.21	ug/l	91
13) Acrolein	2.234	56	96	0.26	ug/l #	14
16) Acetone	2.417	43	1028	0.91	ug/l	92
18) Methyl Acetate	2.746	43	641	0.24	ug/l #	70
20) Methylene Chloride	2.834	84	831	0.31	ug/l	95
21) trans-1,2-Dichloroethene	3.146	96	5628	2.22	ug/l	98
27) cis-1,2-Dichloroethene	4.570	96	209679	71.64	ug/l	89
31) Cyclohexane	5.629	56	4010	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.635	75	15666	4.38	ug/l #	48
38) Carbon Tetrachloride	5.629	117	19453	5.61	ug/l #	17
39) Methylcyclohexane	7.194	83	12355	2.76	ug/l #	1
44) Trichloroethene	7.188	130	1080281	383.30	ug/l	98
51) 4-Methyl-2-Pentanone	8.700	43	2003	0.59	ug/l #	1
76) 1,2,3-Trichloropropane	11.118	75	89206	23.57	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	89206	52.18	ug/l #	12

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

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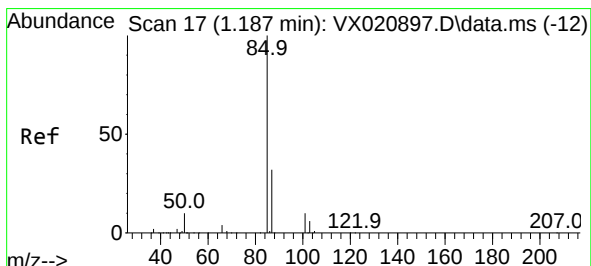
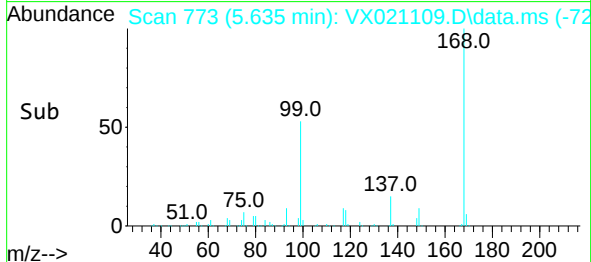
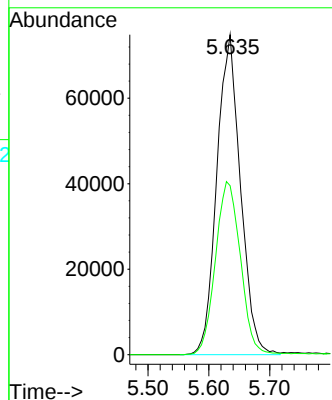
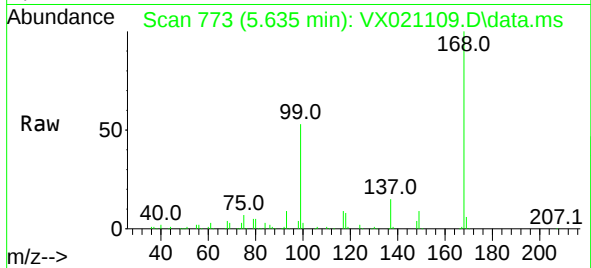




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.012 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

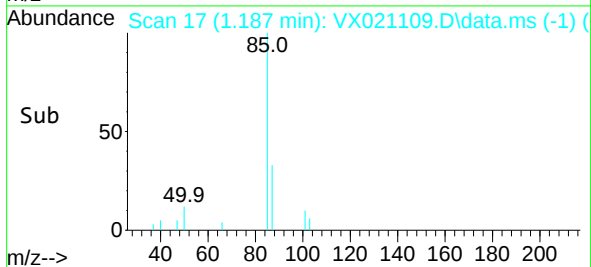
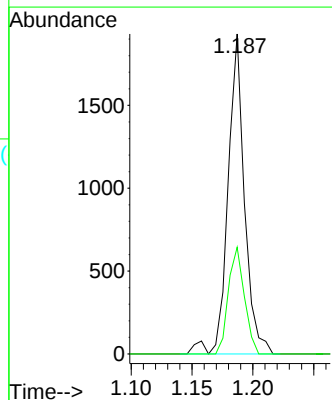
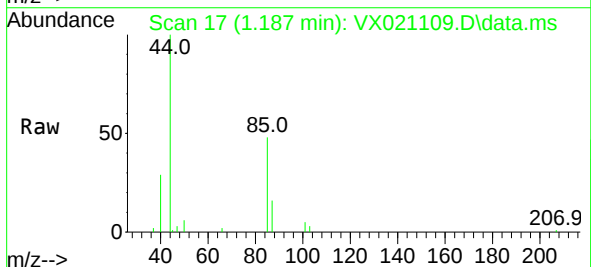
Instrument :
MSVOA_X
ClientSampled :

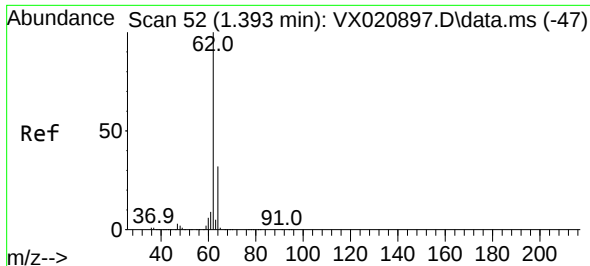
Tgt Ion:168 Resp: 202058
Ion Ratio Lower Upper
168 100
99 52.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.84 ug/l
RT: 1.187 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

Tgt Ion: 85 Resp: 1827
Ion Ratio Lower Upper
85 100
87 33.4 16.4 49.2

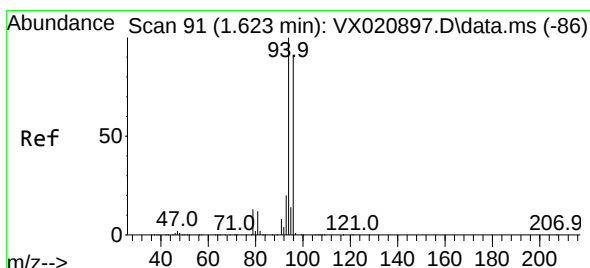
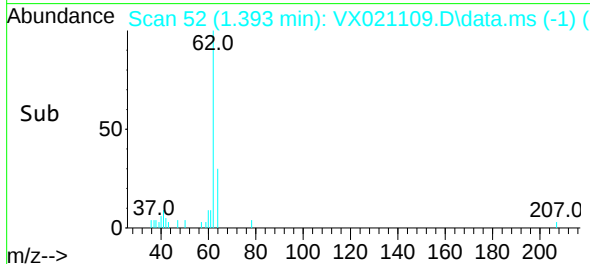
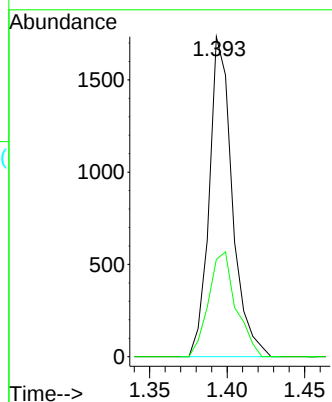
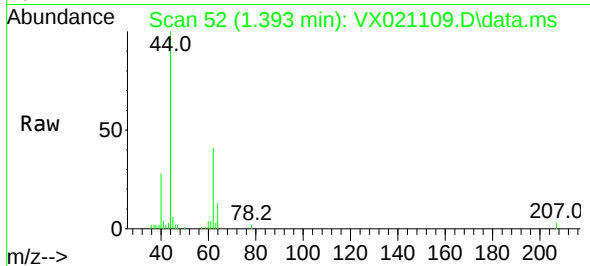




#4
 Vinyl Chloride
 Concen: 0.64 ug/l
 RT: 1.393 min Scan# 52
 Delta R.T. -0.000 min
 Lab File: VX021109.D
 Acq: 09 Mar 2021 15:29

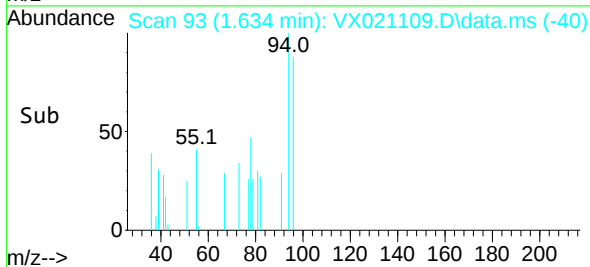
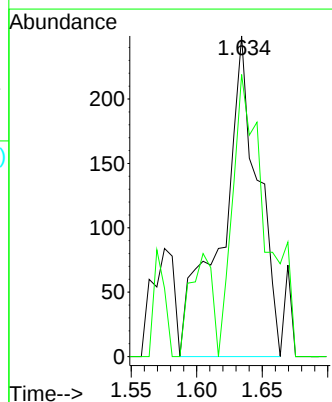
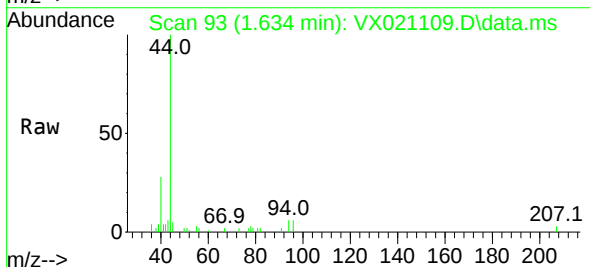
Instrument :
 MSVOA_X
 ClientSampled :

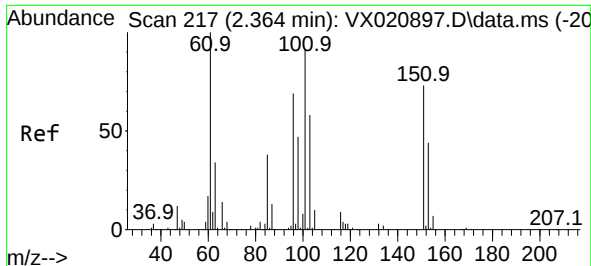
Tgt Ion: 62 Resp: 1791
 Ion Ratio Lower Upper
 62 100
 64 30.4 25.7 38.5



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.634 min Scan# 93
 Delta R.T. 0.011 min
 Lab File: VX021109.D
 Acq: 09 Mar 2021 15:29

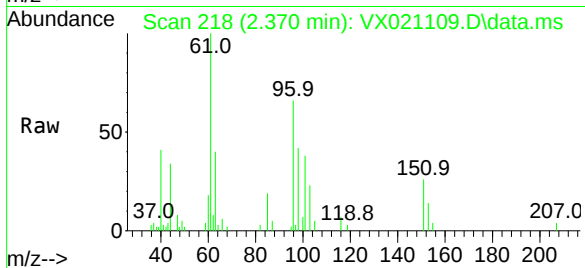
Tgt Ion: 94 Resp: 475
 Ion Ratio Lower Upper
 94 100
 96 88.0 76.4 114.6



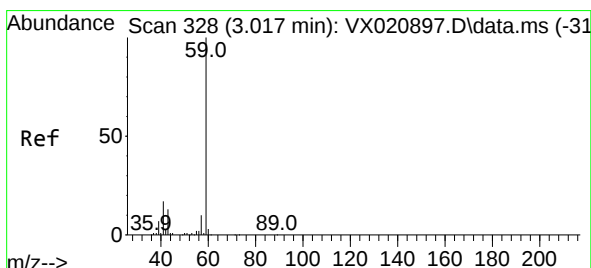
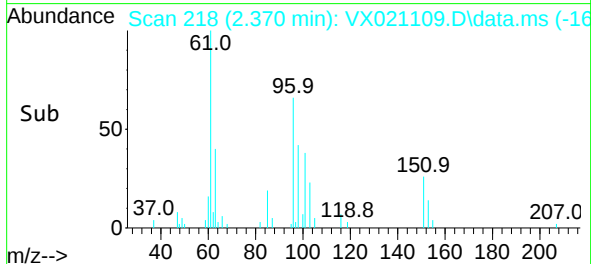
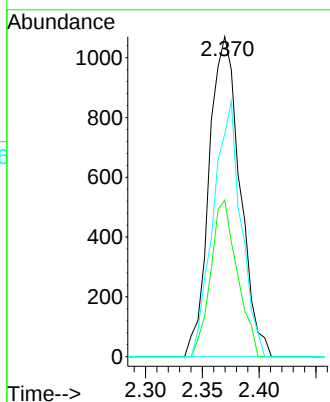


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.93 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.006 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

Instrument :
MSVOA_X
ClientSampleId :

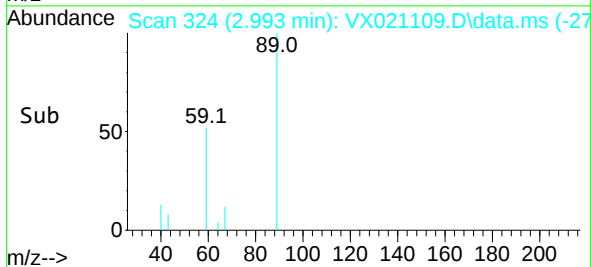
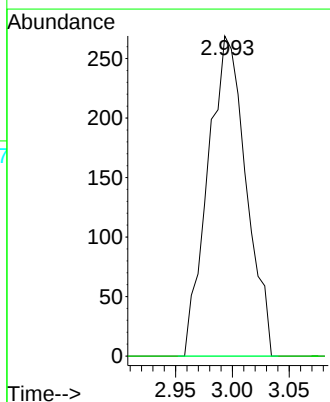
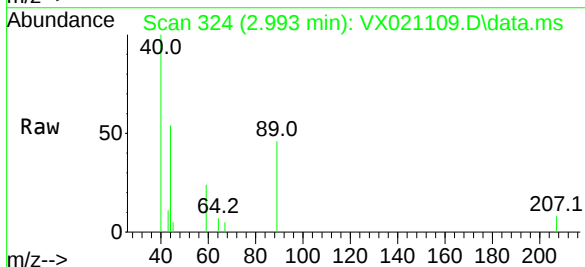


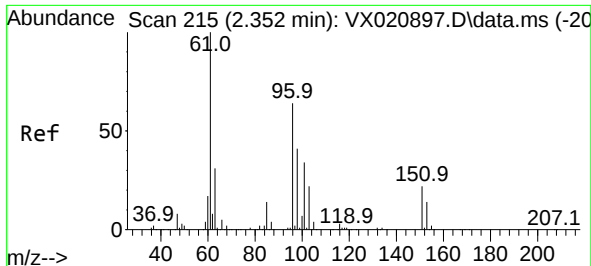
Tgt Ion:101 Resp: 2016
Ion Ratio Lower Upper
101 100
85 42.2 34.9 52.3
151 72.1 61.4 92.2



#11
Tert butyl alcohol
Concen: 1.04 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.024 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

Tgt Ion: 59 Resp: 630
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

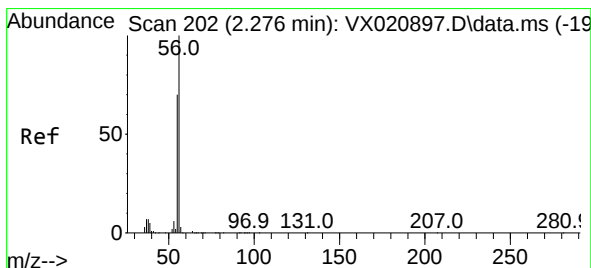
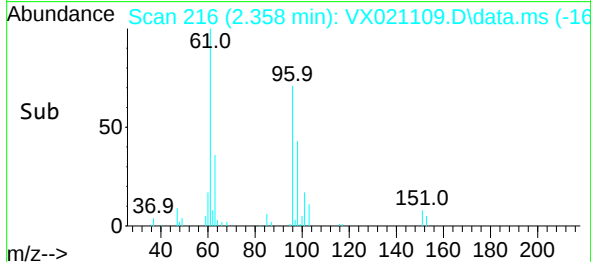
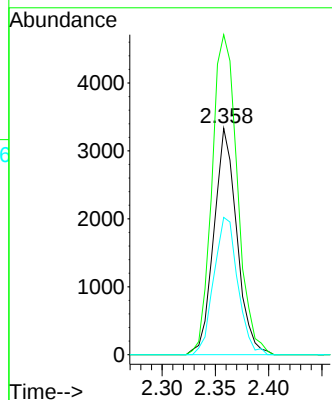
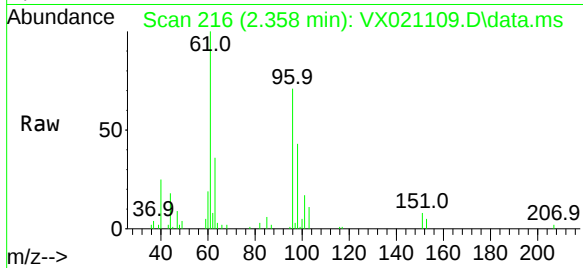




#12
1,1-Dichloroethene
Concen: 2.21 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

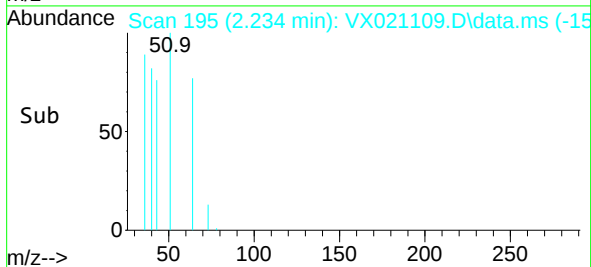
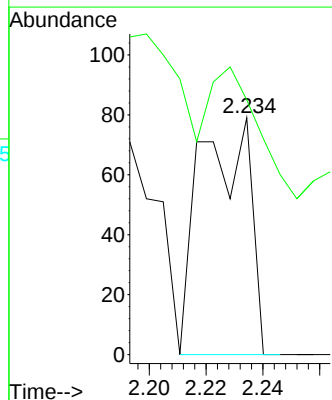
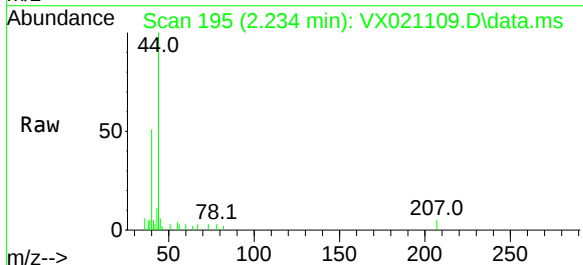
Instrument :
MSVOA_X
ClientSampled :

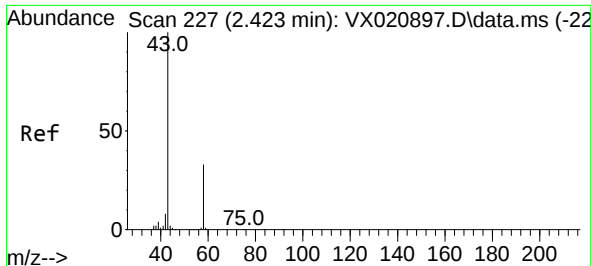
Tgt Ion: 96 Resp: 5000
Ion Ratio Lower Upper
96 100
61 141.3 124.6 187.0
98 60.6 50.6 76.0



#13
Acrolein
Concen: 0.26 ug/l
RT: 2.234 min Scan# 195
Delta R.T. -0.041 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

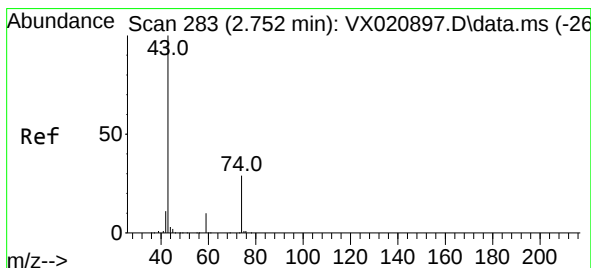
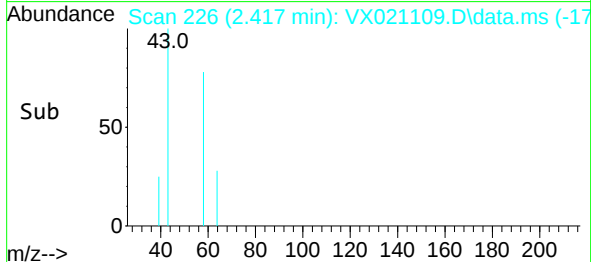
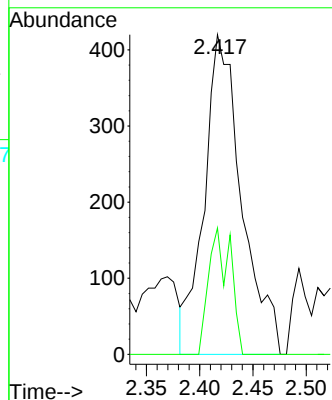
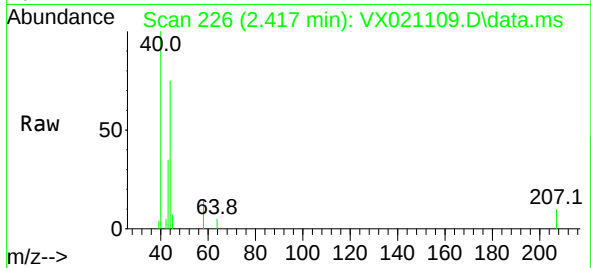




#16
Acetone
Concen: 0.91 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

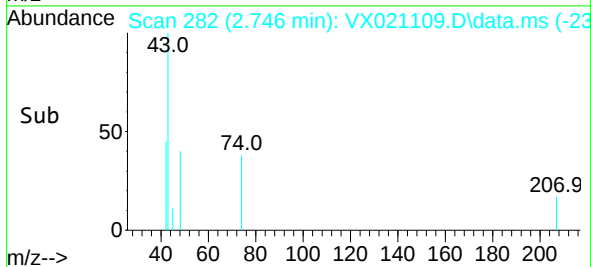
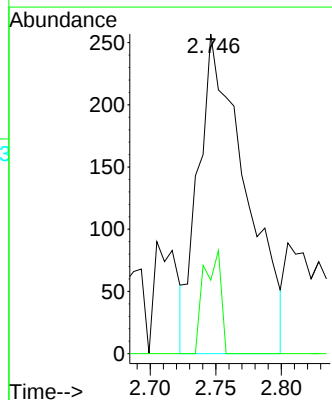
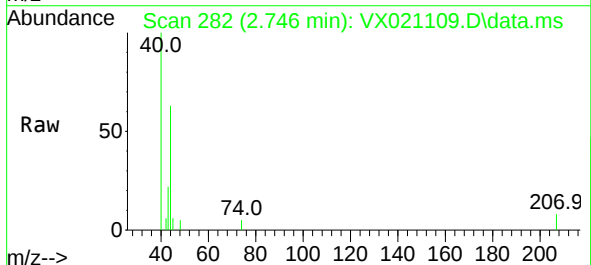
Instrument :
MSVOA_X
ClientSampled :

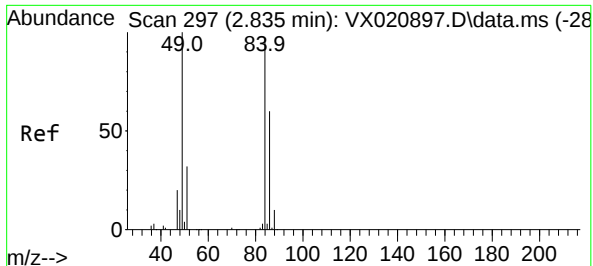
Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
58 39.5 27.8 41.8



#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

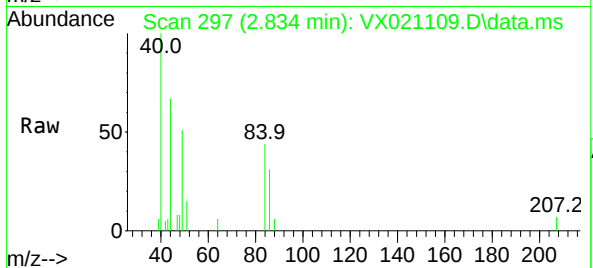
Tgt Ion: 43 Resp: 641
Ion Ratio Lower Upper
43 100
74 11.7 21.9 32.9#





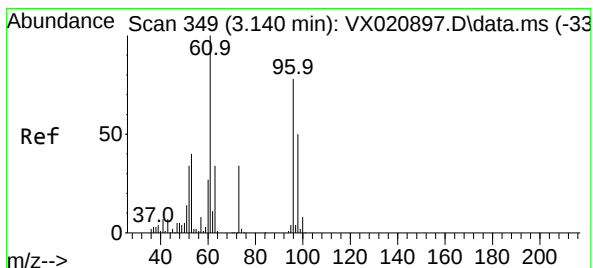
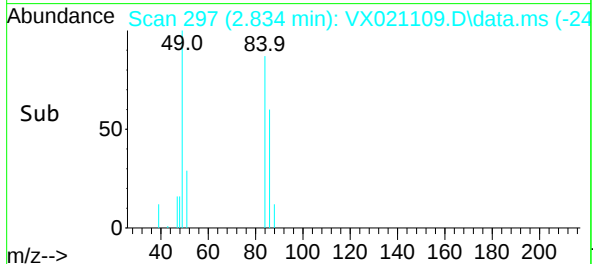
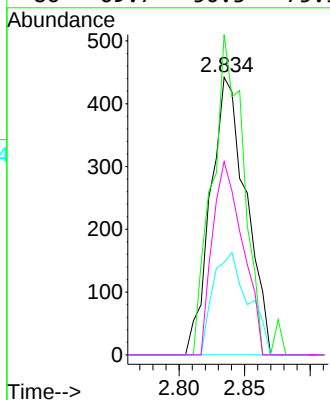
#20
Methylene Chloride
Concen: 0.31 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

Instrument :
MSVOA_X
ClientSampled :

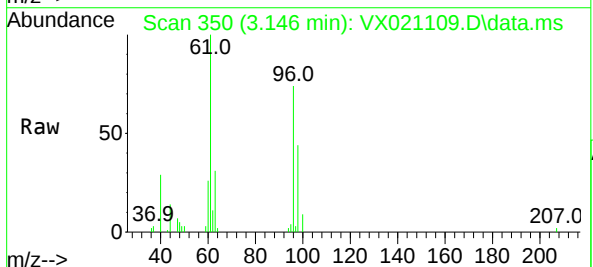


Tgt Ion: 84 Resp: 831

Ion	Ratio	Lower	Upper
84	100		
49	115.4	88.6	132.8
51	33.3	27.0	40.6
86	69.7	50.3	75.5

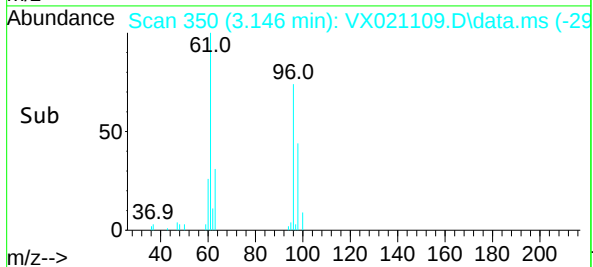
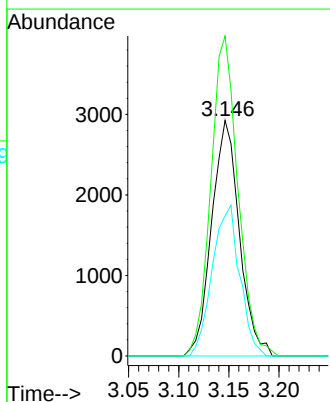


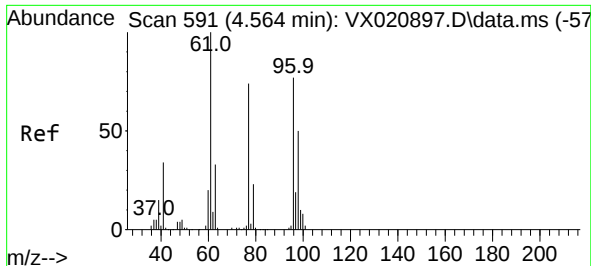
#21
trans-1,2-Dichloroethene
Concen: 2.22 ug/l
RT: 3.146 min Scan# 350
Delta R.T. 0.006 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29



Tgt Ion: 96 Resp: 5628

Ion	Ratio	Lower	Upper
96	100		
61	135.9	107.7	161.5
98	59.5	50.4	75.6





#27

cis-1,2-Dichloroethene

Concen: 71.64 ug/l

RT: 4.570 min Scan# 592

Delta R.T. 0.006 min

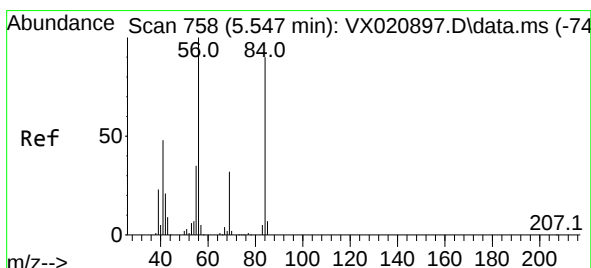
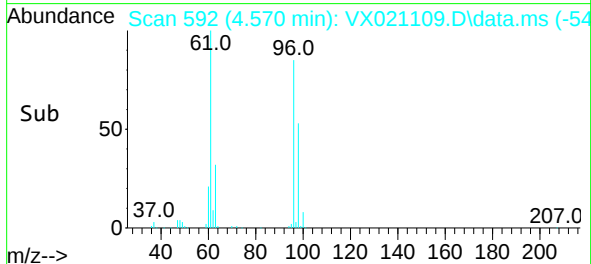
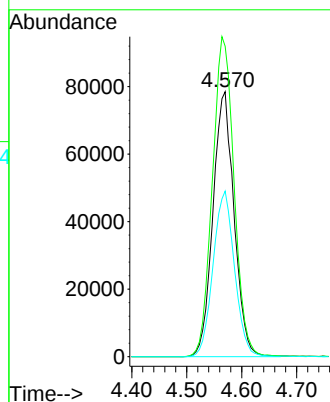
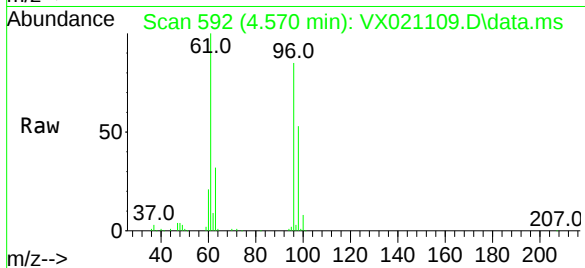
Lab File: VX021109.D

Acq: 09 Mar 2021 15:29

Tgt Ion: 96 Resp: 209679

Ion	Ratio	Lower	Upper
96	100		
61	123.9	0.0	285.6
98	63.5	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.01 ug/l

RT: 5.629 min Scan# 772

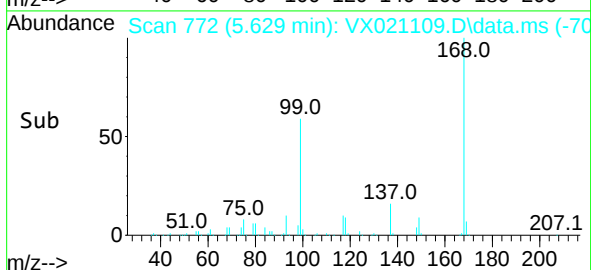
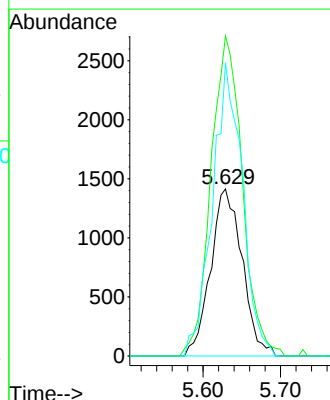
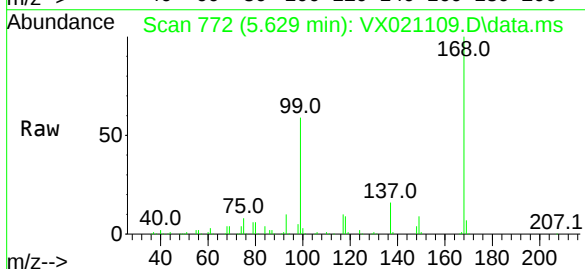
Delta R.T. 0.082 min

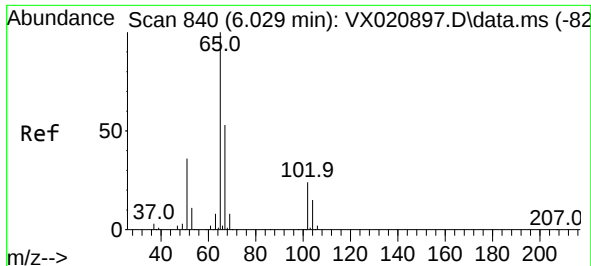
Lab File: VX021109.D

Acq: 09 Mar 2021 15:29

Tgt Ion: 56 Resp: 4010

Ion	Ratio	Lower	Upper
56	100		
69	191.5	25.3	37.9#
84	175.4	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.57 ug/l

RT: 6.035 min Scan# 841

Delta R.T. 0.006 min

Lab File: VX021109.D

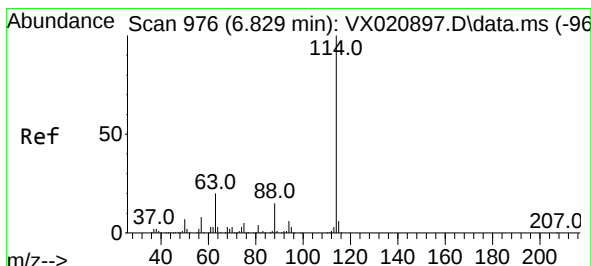
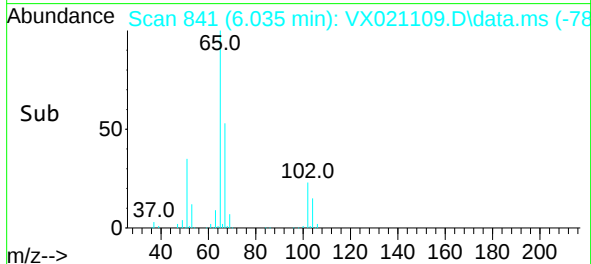
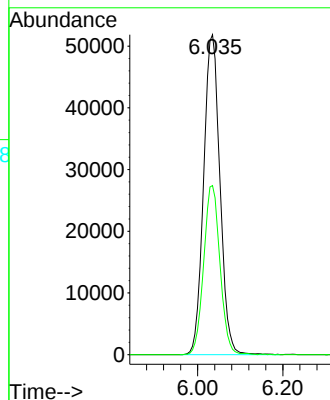
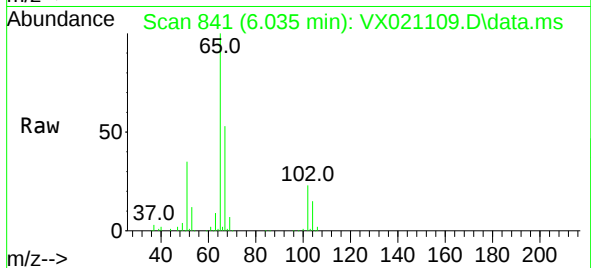
Acq: 09 Mar 2021 15:29

Tgt Ion: 65 Resp: 138013

Ion Ratio Lower Upper

65 100

67 52.7 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: VX021109.D

Acq: 09 Mar 2021 15:29

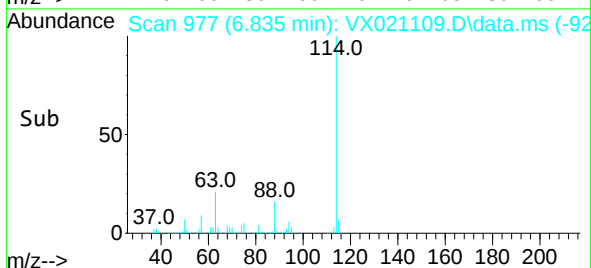
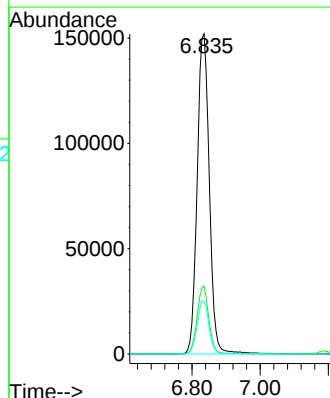
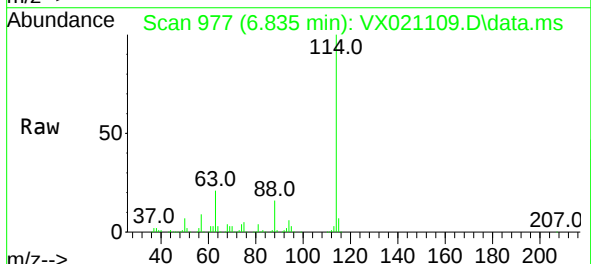
Tgt Ion: 114 Resp: 376252

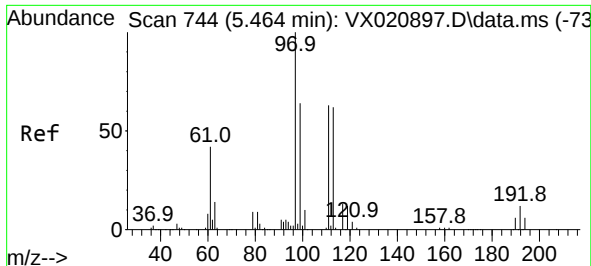
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 16.3 0.0 32.8

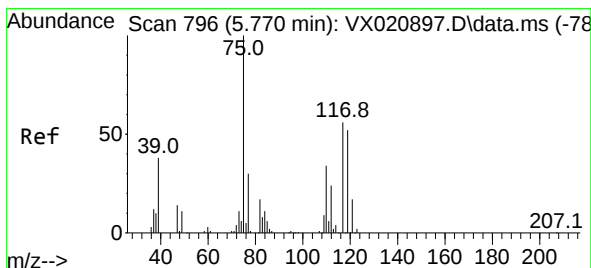
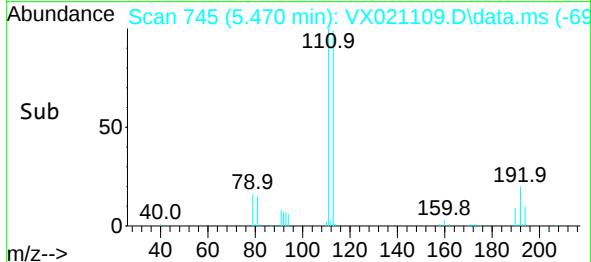
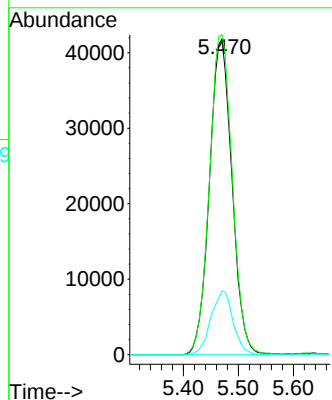
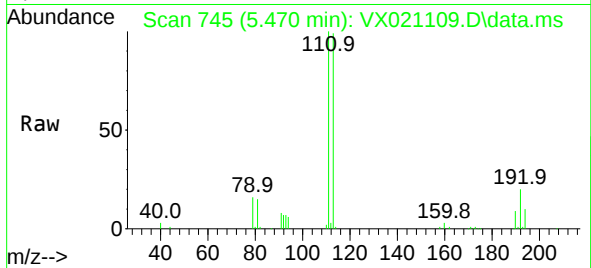




#35
Dibromofluoromethane
Concen: 52.04 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

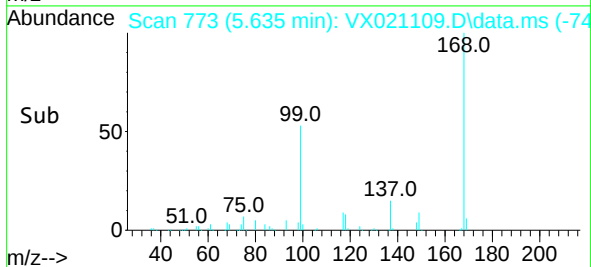
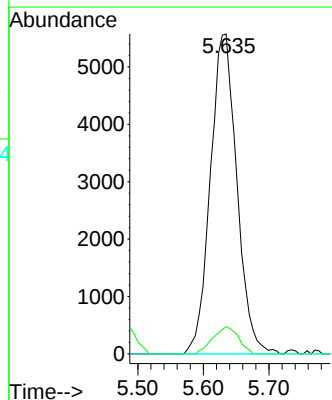
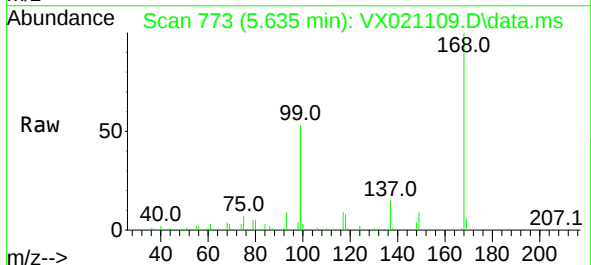
Instrument :
MSVOA_X
ClientSampled :

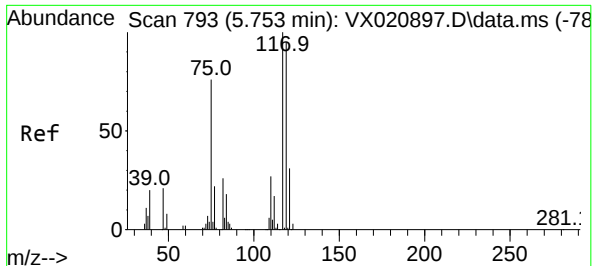
Tgt Ion:113 Resp: 118956
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 19.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.38 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.135 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

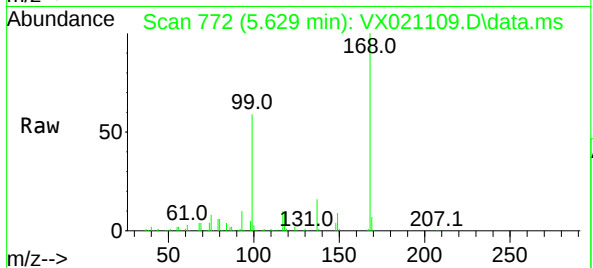
Tgt Ion: 75 Resp: 15666
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 25.3 37.9#



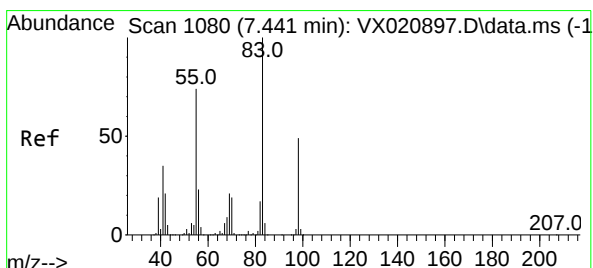
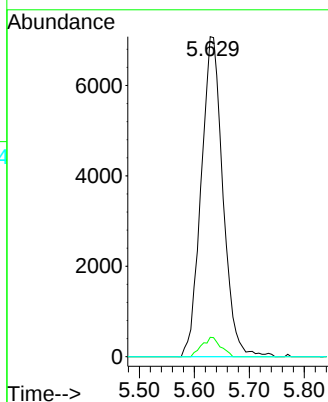
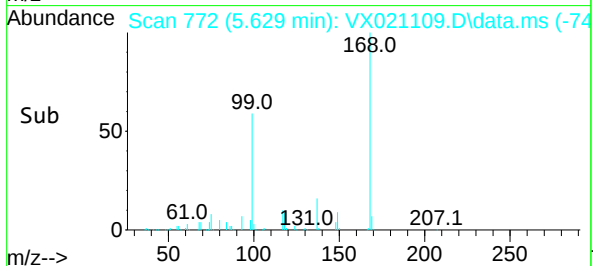


#38
Carbon Tetrachloride
Concen: 5.61 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

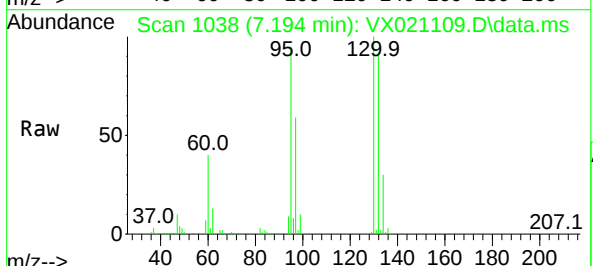
Instrument :
MSVOA_X
ClientSampleId :



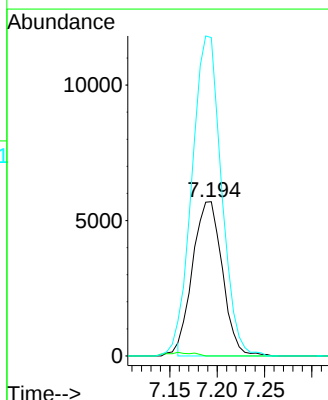
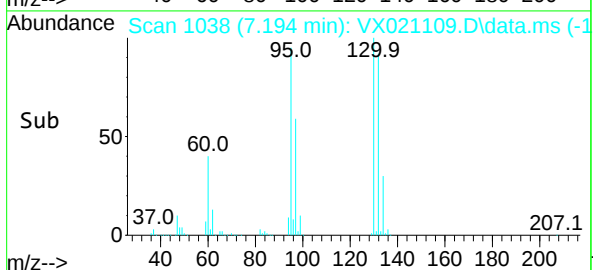
Tgt Ion:117 Resp: 19453
Ion Ratio Lower Upper
117 100
119 6.0 76.2 114.2#
121 0.0 24.8 37.2#

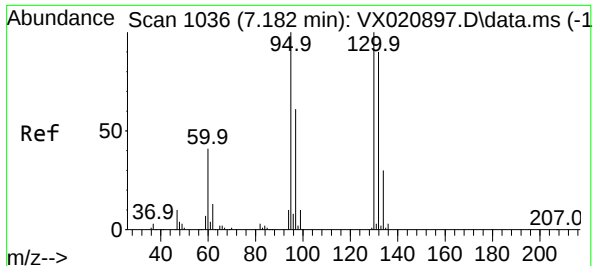


#39
Methylcyclohexane
Concen: 2.76 ug/l
RT: 7.194 min Scan# 1038
Delta R.T. -0.247 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29



Tgt Ion: 83 Resp: 12355
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 206.4 38.1 57.1#

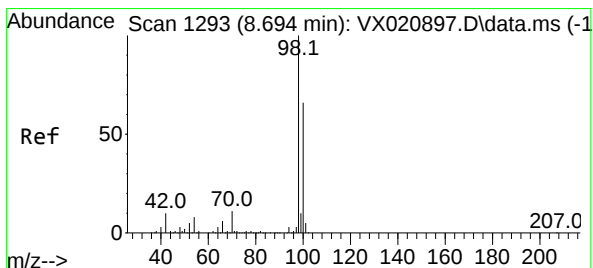
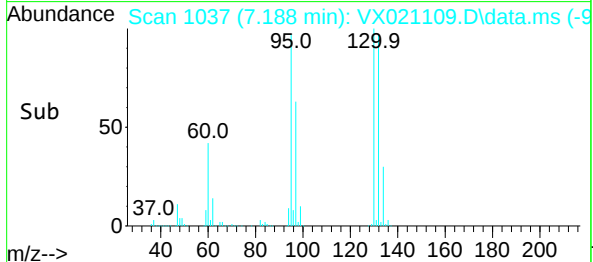
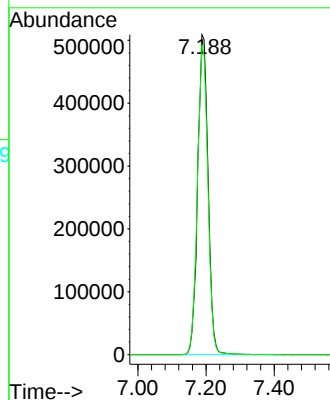
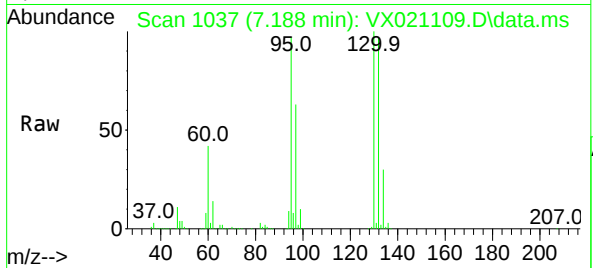




#44
Trichloroethene
Concen: 383.30 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

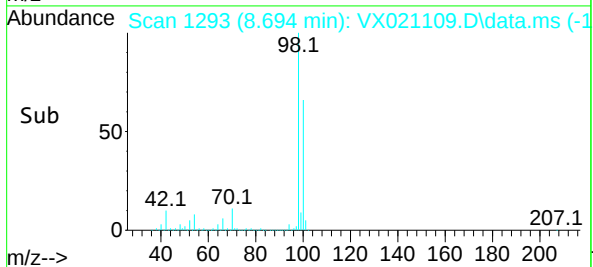
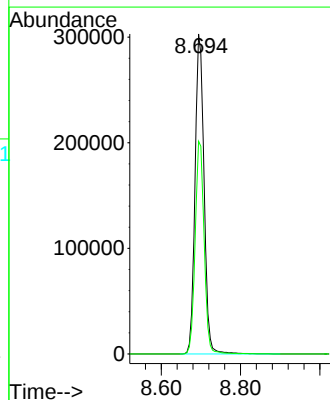
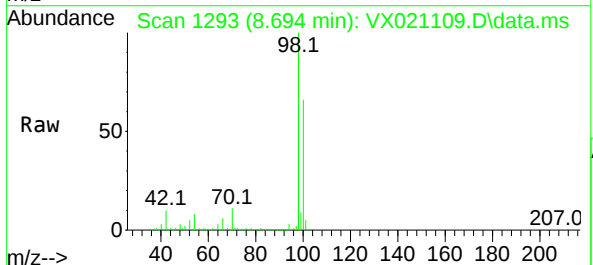
Instrument :
MSVOA_X
ClientSampled :

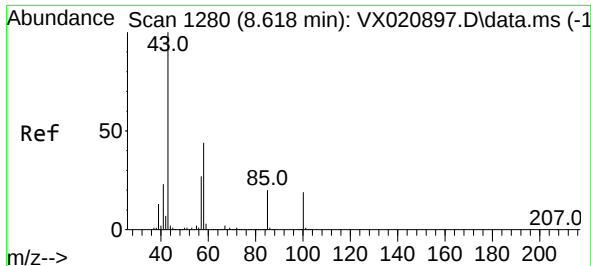
Tgt Ion:130 Resp: 1080281
Ion Ratio Lower Upper
130 100
95 96.6 0.0 198.0



#50
Toluene-d8
Concen: 53.58 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

Tgt Ion: 98 Resp: 477569
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9

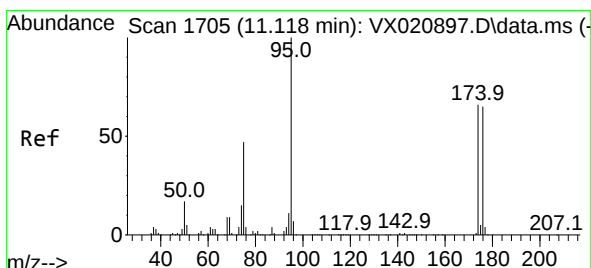
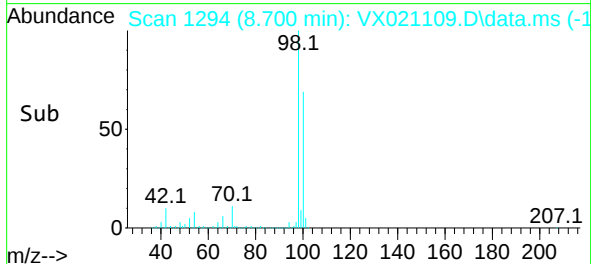
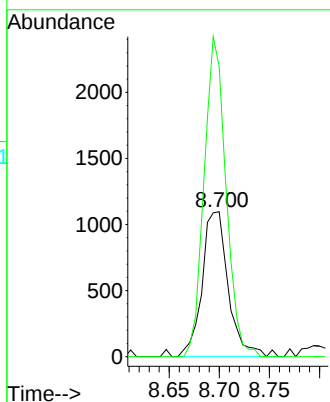
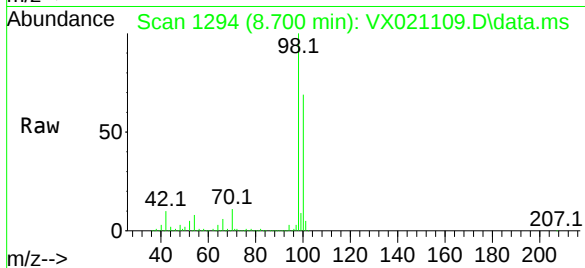




#51
4-Methyl-2-Pentanone
Concen: 0.59 ug/l
RT: 8.700 min Scan# 1294
Delta R.T. 0.082 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

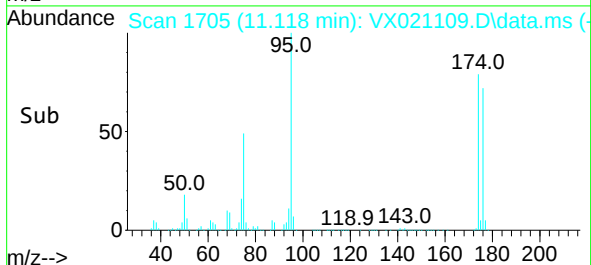
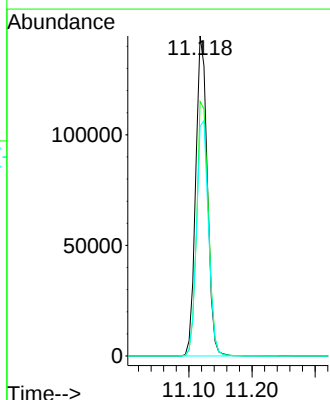
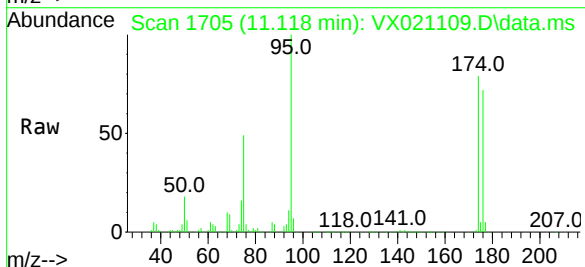
Instrument :
MSVOA_X
ClientSampled :

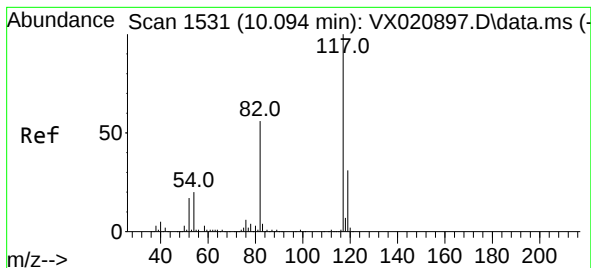
Tgt Ion: 43 Resp: 2003
Ion Ratio Lower Upper
43 100
58 184.2 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 56.03 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

Tgt Ion: 95 Resp: 184656
Ion Ratio Lower Upper
95 100
174 80.3 0.0 154.6
176 75.7 0.0 155.8

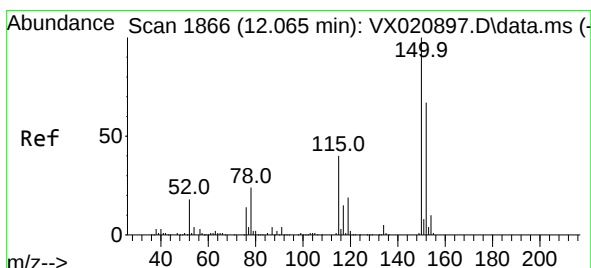
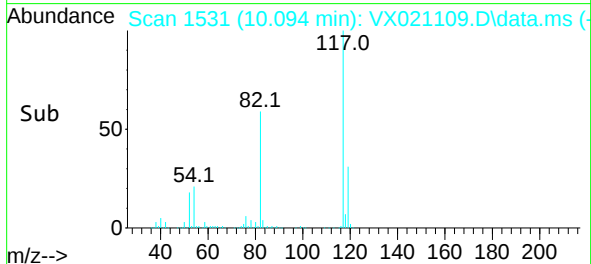
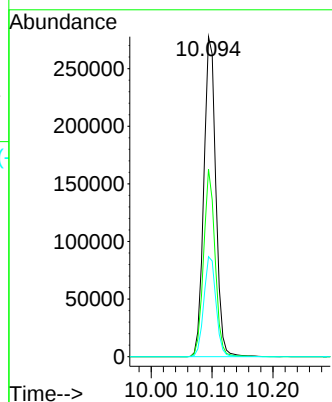
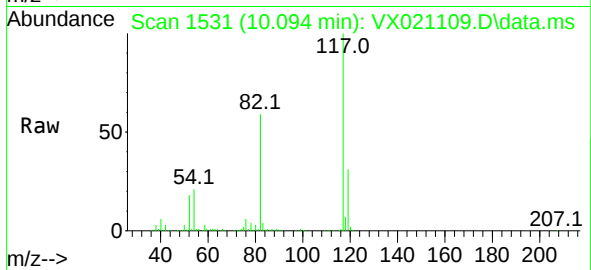




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

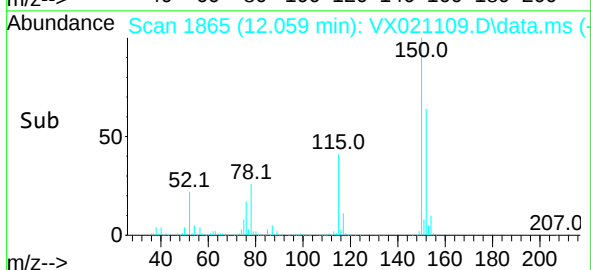
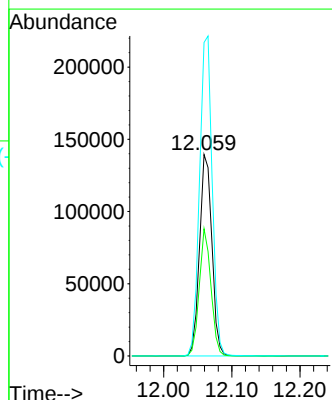
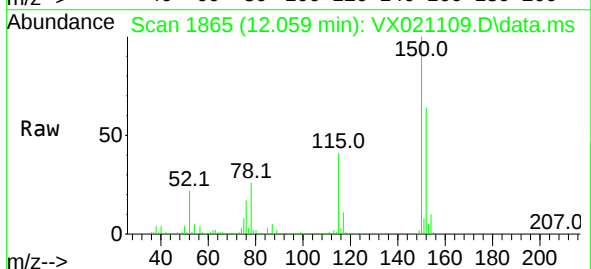
Instrument :
MSVOA_X
ClientSampled :

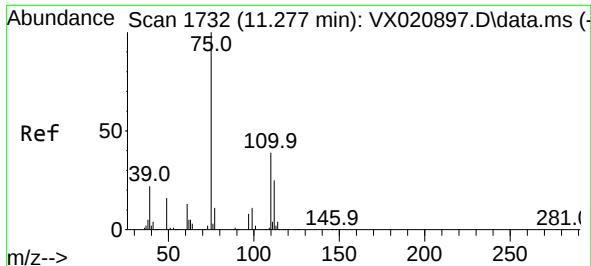
Tgt Ion:117 Resp: 380707
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

Tgt Ion:152 Resp: 175952
Ion Ratio Lower Upper
152 100
115 59.7 41.1 123.3
150 162.6 0.0 349.0

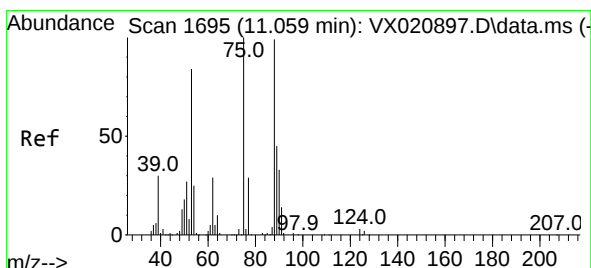
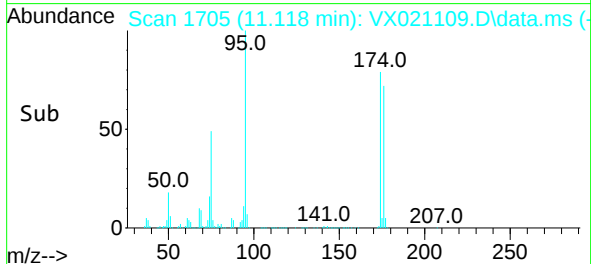
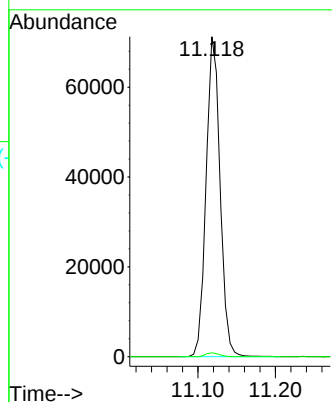
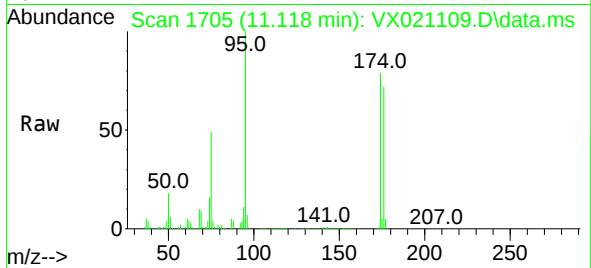




#76
1,2,3-Trichloropropane
Concen: 23.57 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 89206
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.18 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021109.D
Acq: 09 Mar 2021 15:29

Tgt Ion: 75 Resp: 89206
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

