

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011321\
 Data File : VX020594.D
 Acq On : 13 Jan 2021 15:28
 Operator : JC/MD
 Sample : M1083-02DL 500X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 13 16:17:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 11 15:05:37 2021
 Response via : Initial Calibration

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

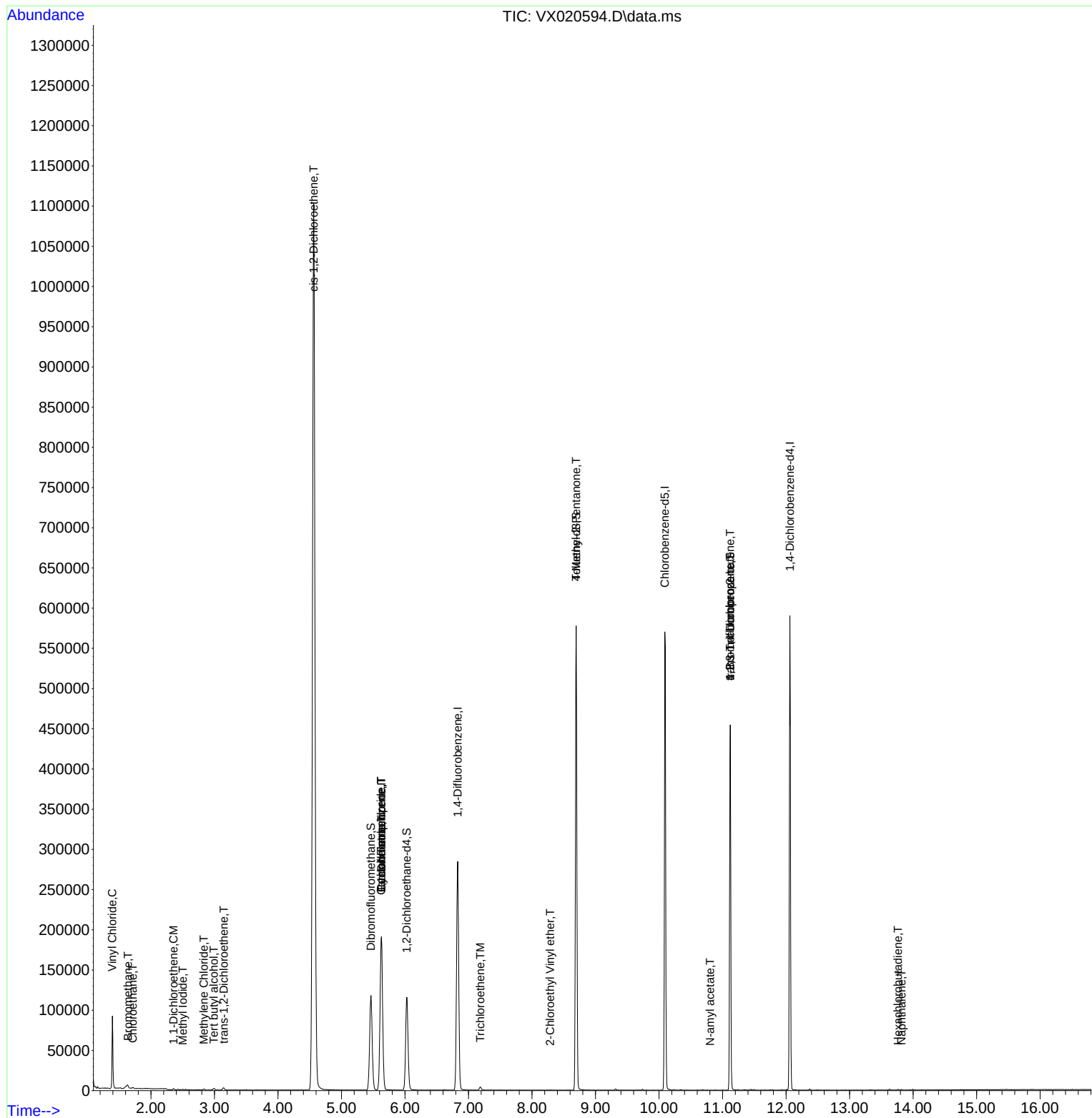
Internal Standards						
1) Pentafluorobenzene	5.629	168	188357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	294019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.091	117	279999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.060	152	124752	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	112659	49.80	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.60%		
35) Dibromofluoromethane	5.464	113	100817	49.49	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.98%		
50) Toluene-d8	8.695	98	350005	48.01	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.02%		
62) 4-Bromofluorobenzene	11.122	95	121514	47.20	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.40%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	53312	27.04	ug/l	99
5) Bromomethane	1.635	94	441	0.33	ug/l #	79
6) Chloroethane	1.715	64	543	0.80	ug/l	98
10) Methyl Iodide	2.501	142	690	0.27	ug/l #	96
11) Tert butyl alcohol	2.989	59	1217	0.68	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	551	0.31	ug/l #	93
16) Acetone	2.422	43	791	Below Cal	#	70
20) Methylene Chloride	2.830	84	649	0.30	ug/l #	91
21) trans-1,2-Dichloroethene	3.147	96	1241	0.61	ug/l	92
27) cis-1,2-Dichloroethene	4.562	96	737867	327.36	ug/l	85
31) Cyclohexane	5.629	56	3171	1.19	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	13169	4.90	ug/l #	49
38) Carbon Tetrachloride	5.623	117	18034	5.75	ug/l #	17
44) Trichloroethene	7.183	130	1444	0.60	ug/l	73
51) 4-Methyl-2-Pentanone	8.695	43	1166	0.50	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.287	63	25	4.58	ug/l #	45
74) N-amyl acetate	10.805	43	26	1.24	ug/l #	38
76) 1,2,3-Trichloropropane	11.122	75	57721	21.96	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	57721	59.84	ug/l #	12
94) Hexachlorobutadiene	13.761	225	231	1.03	ug/l	85
95) Naphthalene	13.816	128	791	3.92	ug/l #	75

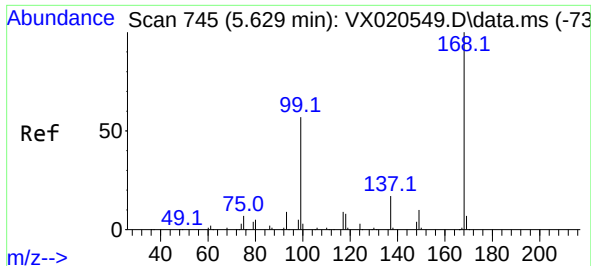
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 13 16:17:36 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 11 15:05:37 2021
Response via : Initial Calibration

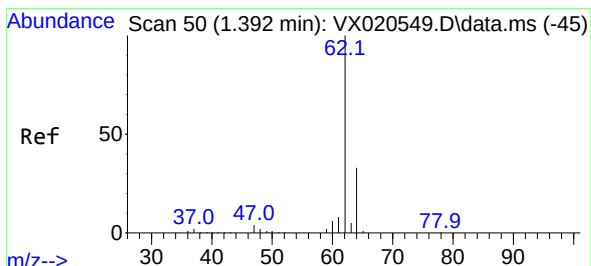
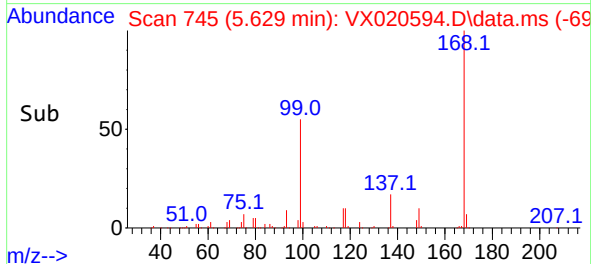
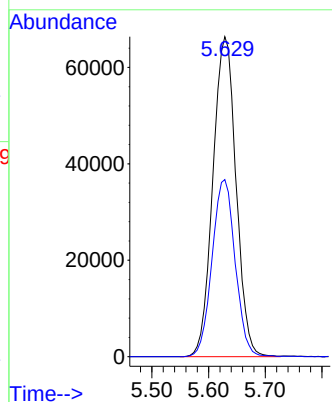
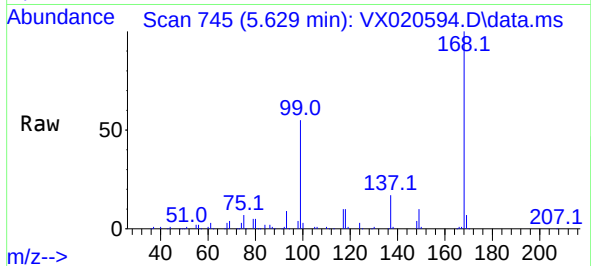




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

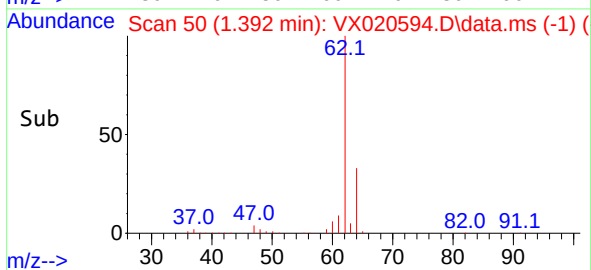
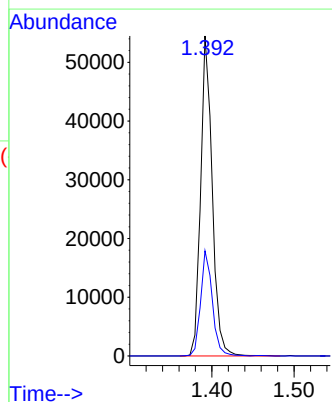
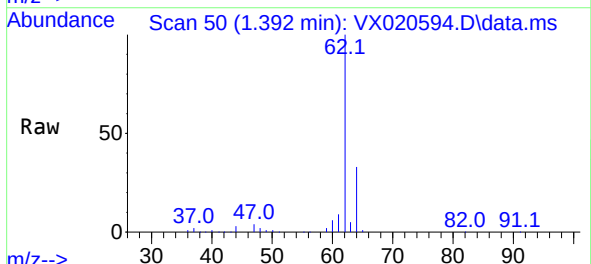
Instrument :
MSVOA_X
ClientSampled :

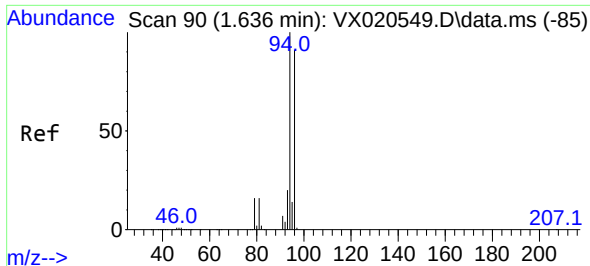
Tgt Ion:168 Resp: 188357
Ion Ratio Lower Upper
168 100
99 55.4 45.8 68.6



#4
Vinyl Chloride
Concen: 27.04 ug/l
RT: 1.392 min Scan# 50
Delta R.T. -0.000 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Tgt Ion: 62 Resp: 53312
Ion Ratio Lower Upper
62 100
64 32.9 25.7 38.5

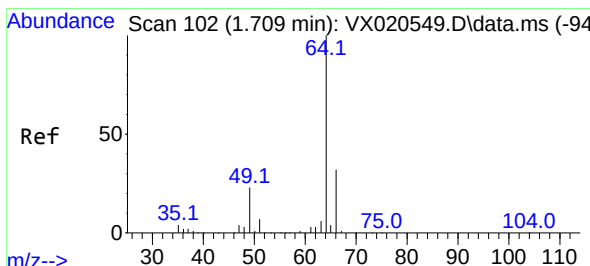
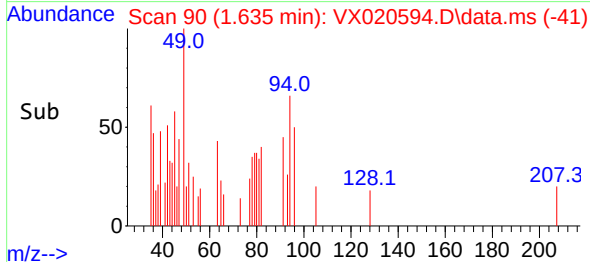
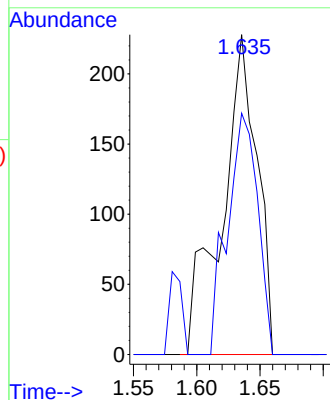
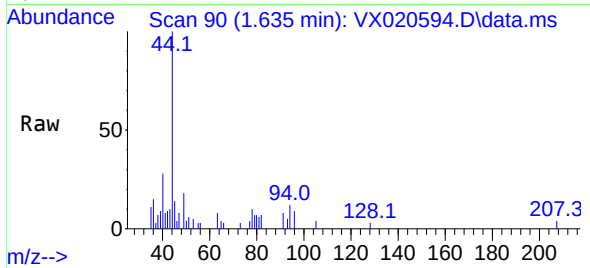




#5
Bromomethane
Concen: 0.33 ug/l
RT: 1.635 min Scan# 90
Delta R.T. -0.001 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

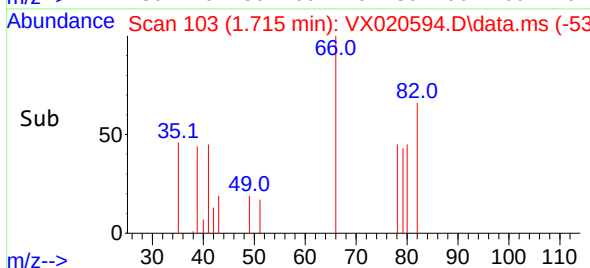
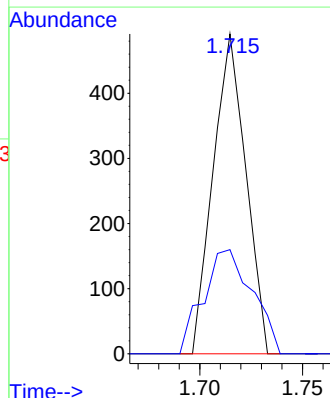
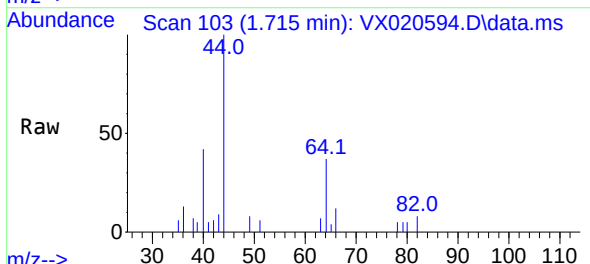
Instrument :
MSVOA_X
ClientSampleId :

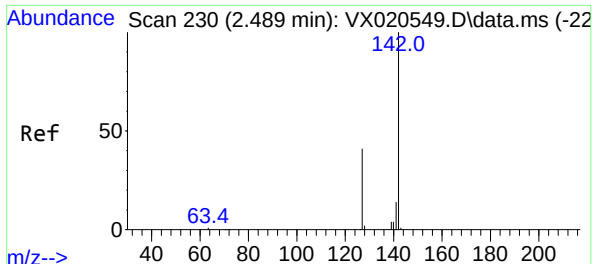
Tgt Ion: 94 Resp: 441
Ion Ratio Lower Upper
94 100
96 75.4 76.4 114.6#



#6
Chloroethane
Concen: 0.80 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.006 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Tgt Ion: 64 Resp: 543
Ion Ratio Lower Upper
64 100
66 32.6 25.4 38.0





#10

Methyl Iodide

Concen: 0.27 ug/l

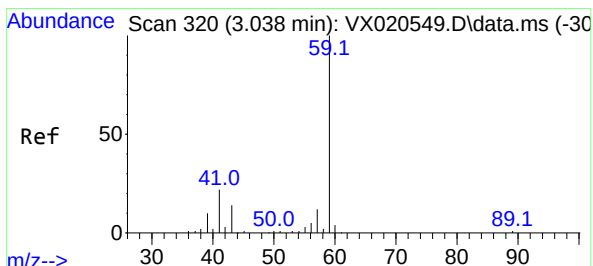
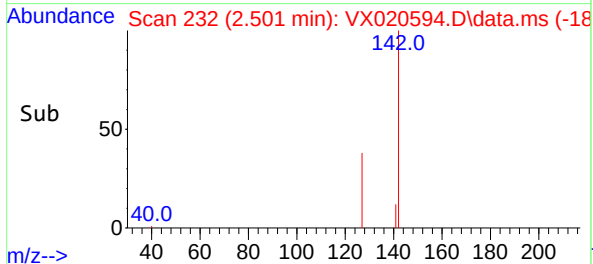
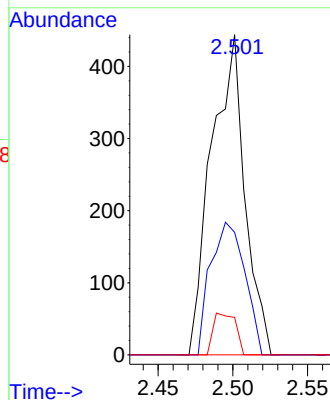
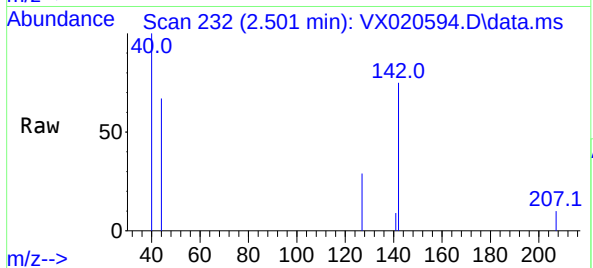
RT: 2.501 min Scan# 232

Delta R.T. 0.012 min

Lab File: VX020594.D

Acq: 13 Jan 2021 15:28

Tgt Ion:	142	Resp:	690
Ion	Ratio	Lower	Upper
142	100		
127	42.5	33.3	49.9
141	8.7	11.4	17.0#



#11

Tert butyl alcohol

Concen: 0.68 ug/l

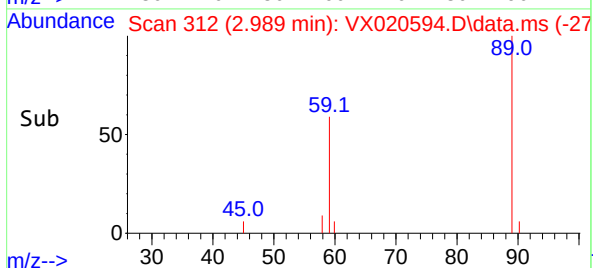
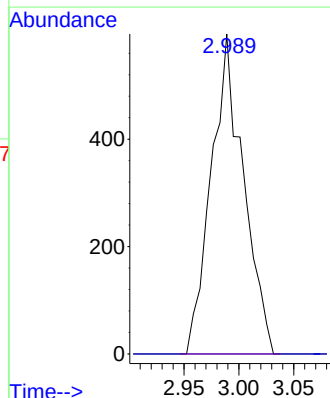
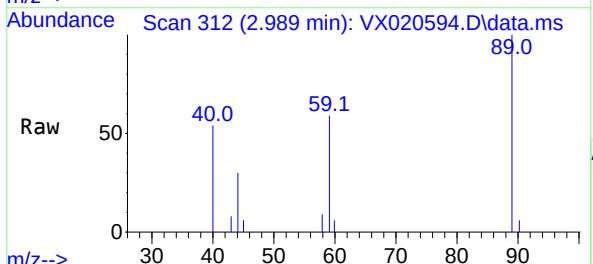
RT: 2.989 min Scan# 312

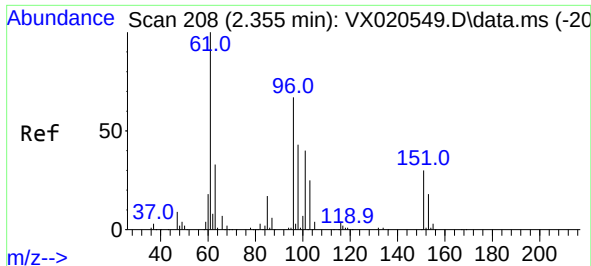
Delta R.T. -0.049 min

Lab File: VX020594.D

Acq: 13 Jan 2021 15:28

Tgt Ion:	59	Resp:	1217
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#





#12

1,1-Dichloroethene

Concen: 0.31 ug/l

RT: 2.355 min Scan# 208

Delta R.T. -0.000 min

Lab File: VX020594.D

Acq: 13 Jan 2021 15:28

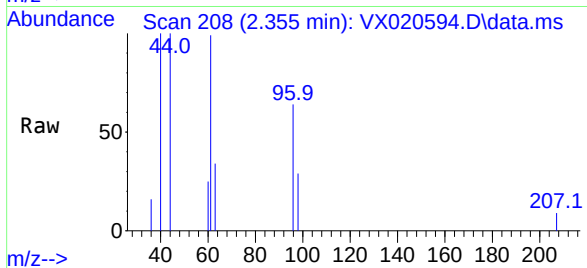
Tgt Ion: 96 Resp: 551

Ion Ratio Lower Upper

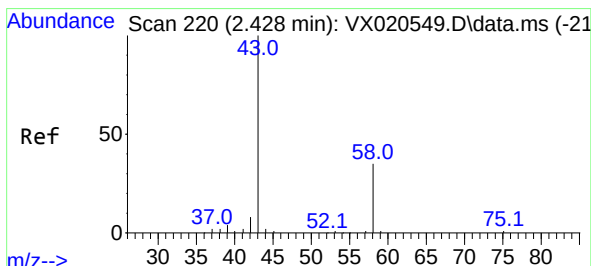
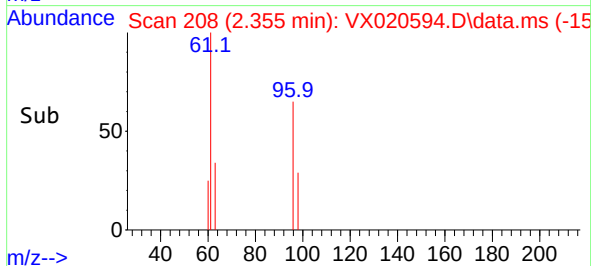
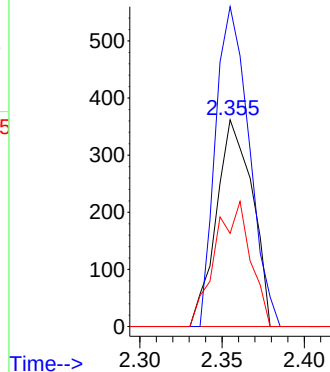
96 100

61 154.7 124.6 187.0

98 45.0 50.6 76.0#



Abundance



#16

Acetone

Concen: Below Cal

RT: 2.422 min Scan# 219

Delta R.T. -0.006 min

Lab File: VX020594.D

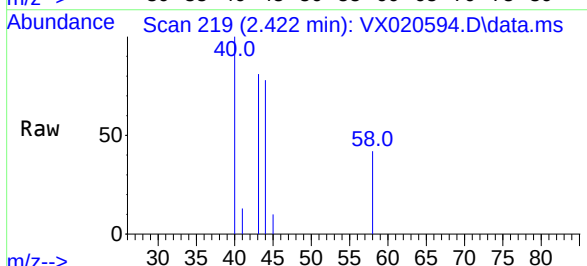
Acq: 13 Jan 2021 15:28

Tgt Ion: 43 Resp: 791

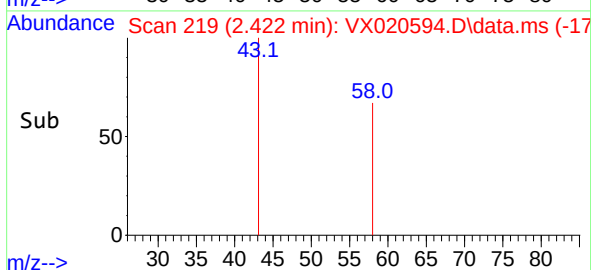
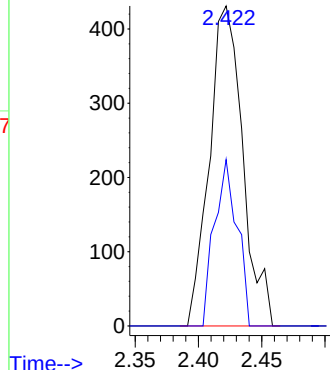
Ion Ratio Lower Upper

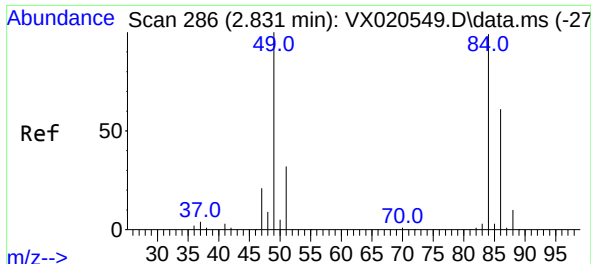
43 100

58 52.0 27.8 41.8#



Abundance



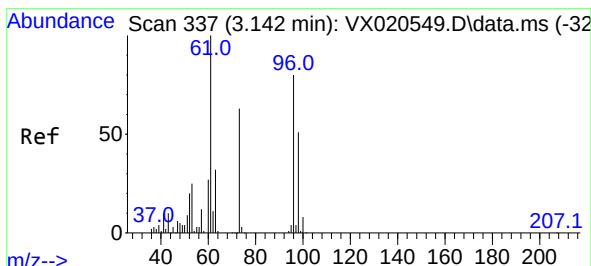
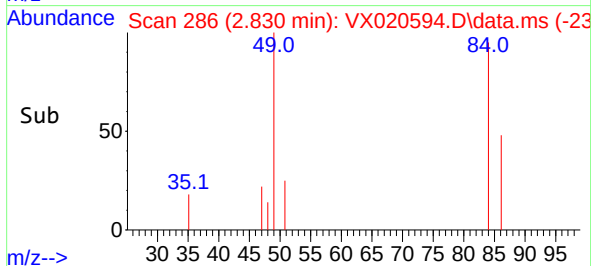
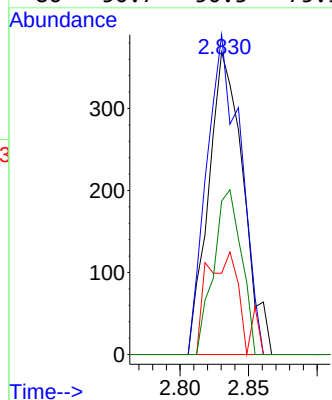
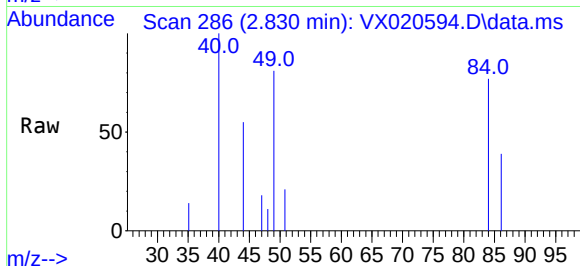


#20
Methylene Chloride
Concen: 0.30 ug/l
RT: 2.830 min Scan# 286
Delta R.T. -0.001 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 84 Resp: 649

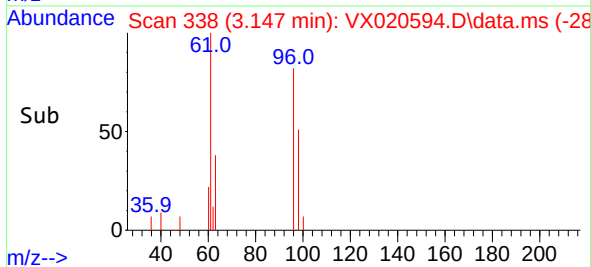
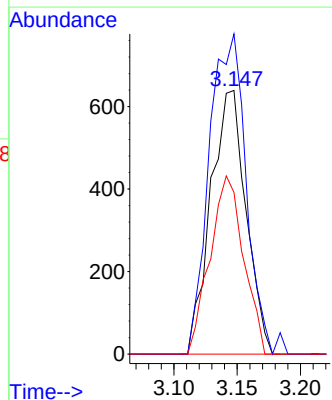
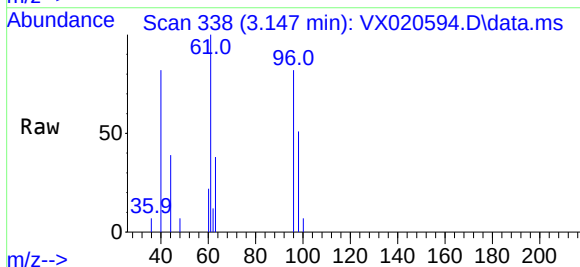
Ion	Ratio	Lower	Upper
84	100		
49	105.7	88.6	132.8
51	26.8	27.0	40.6#
86	50.7	50.3	75.5

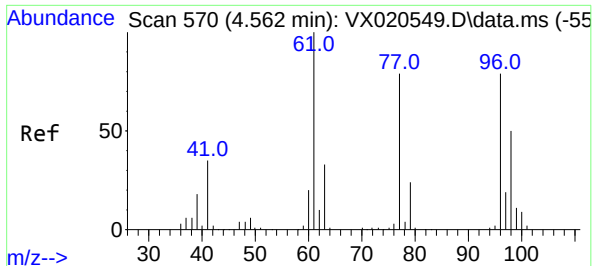


#21
trans-1,2-Dichloroethene
Concen: 0.61 ug/l
RT: 3.147 min Scan# 338
Delta R.T. 0.005 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Tgt Ion: 96 Resp: 1241

Ion	Ratio	Lower	Upper
96	100		
61	121.4	107.7	161.5
98	61.3	50.4	75.6



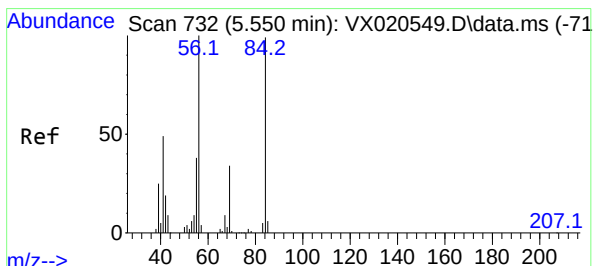
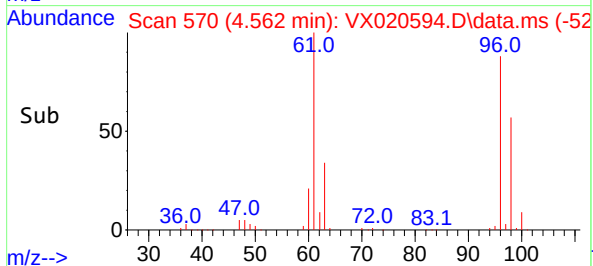
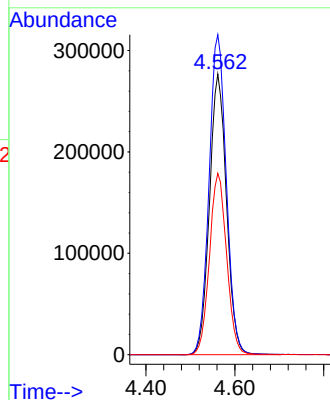
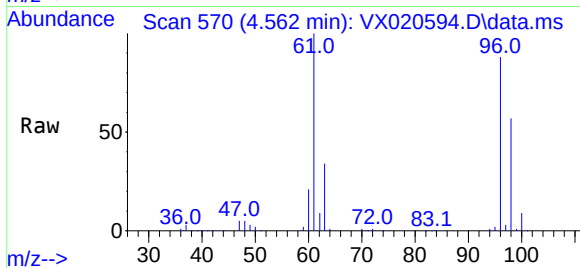


#27

cis-1,2-Dichloroethene
Concen: 327.36 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.000 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Instrument :
MSVOA_X
ClientSampled :

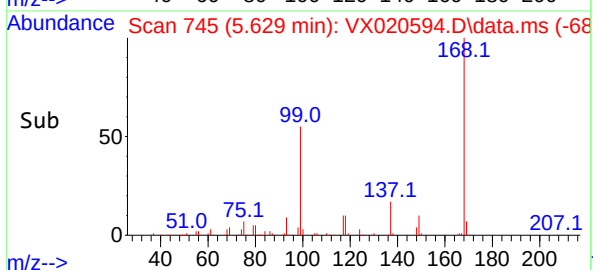
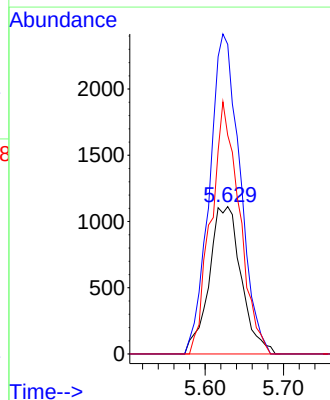
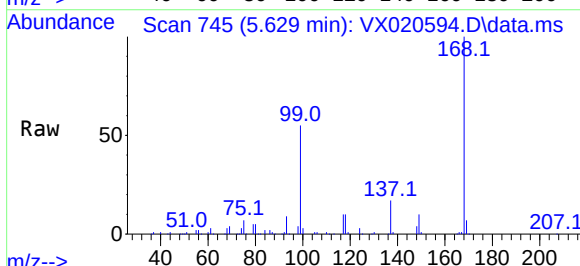
Tgt Ion: 96	Resp: 737867		
Ion Ratio	Lower	Upper	
96	100		
61	115.3	0.0	285.6
98	65.1	0.0	129.6

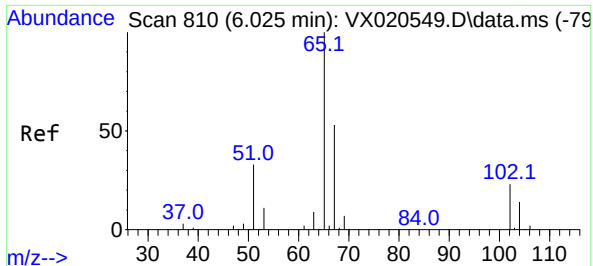


#31

Cyclohexane
Concen: 1.19 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.079 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Tgt Ion: 56	Resp: 3171		
Ion Ratio	Lower	Upper	
56	100		
69	210.0	25.3	37.9#
84	148.4	71.4	107.0#

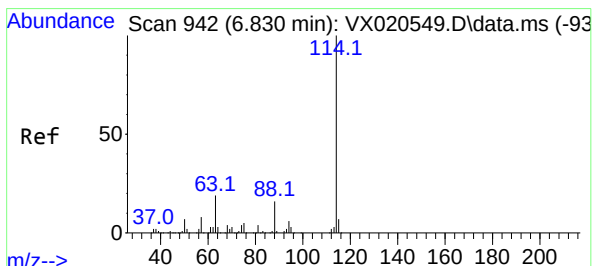
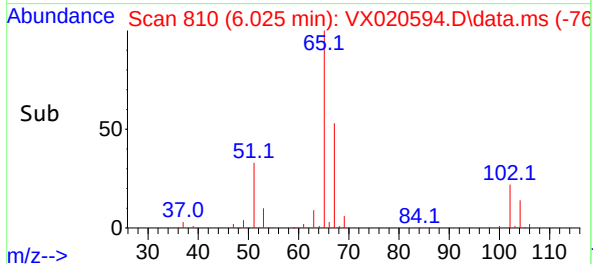
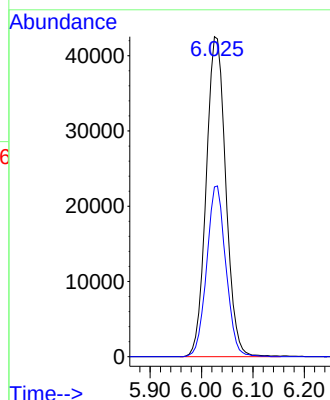
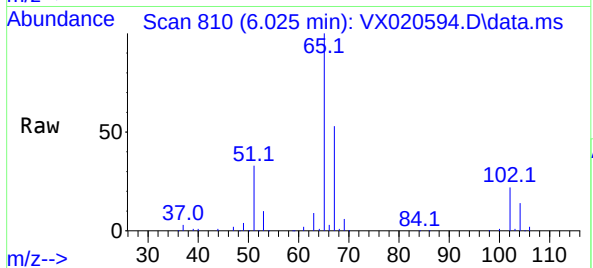




#33
1,2-Dichloroethane-d4
Concen: 49.80 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

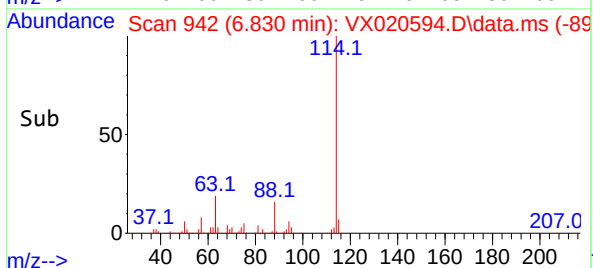
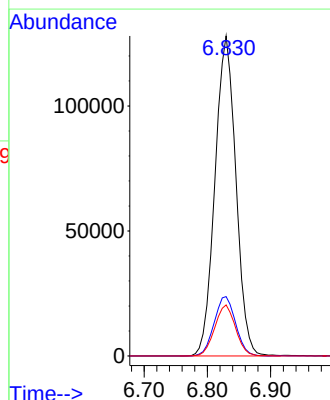
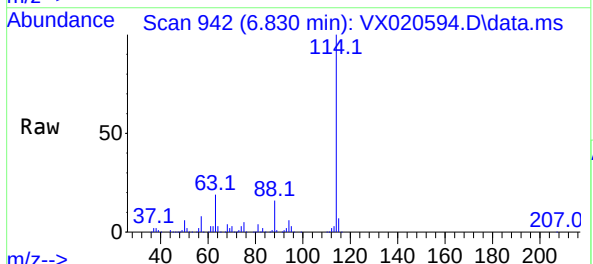
Instrument :
MSVOA_X
ClientSampleId :

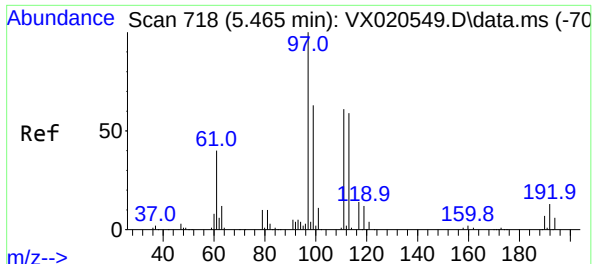
Tgt Ion: 65 Resp: 112659
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. -0.000 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Tgt Ion: 114 Resp: 294019
Ion Ratio Lower Upper
114 100
63 18.6 0.0 40.8
88 15.9 0.0 32.8

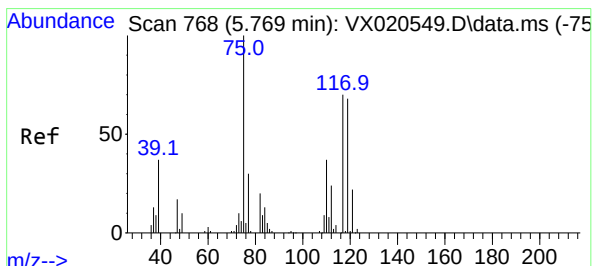
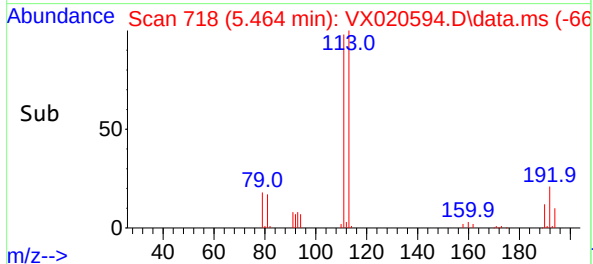
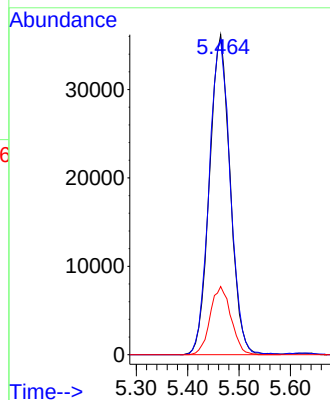
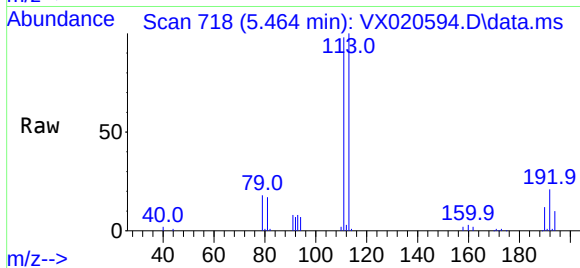




#35
Dibromofluoromethane
Concen: 49.49 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.001 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

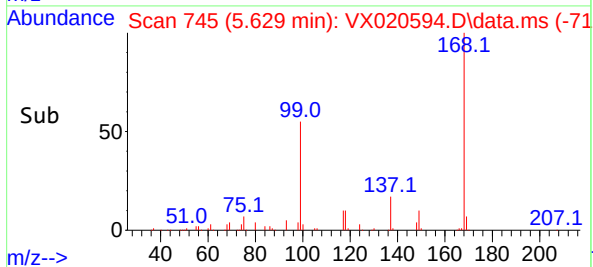
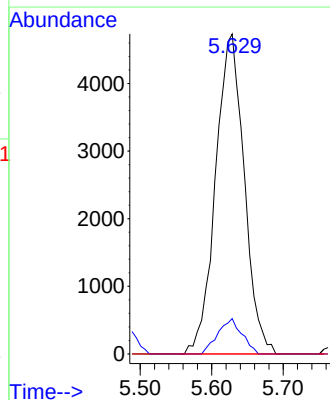
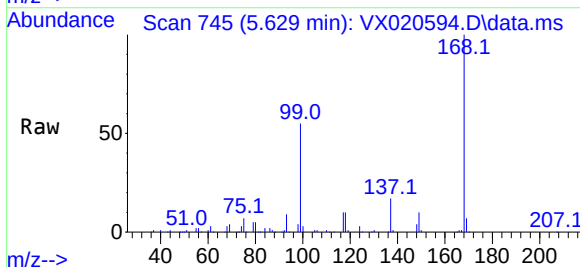
Instrument :
MSVOA_X
ClientSampled :

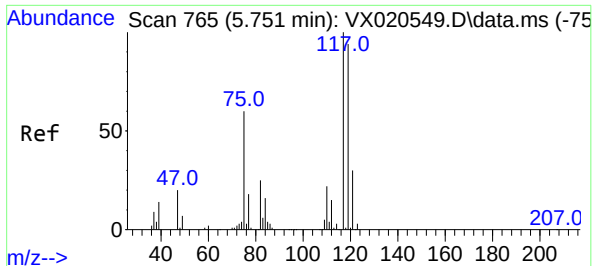
Tgt Ion:113 Resp: 100817
Ion Ratio Lower Upper
113 100
111 101.2 81.9 122.9
192 21.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.90 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

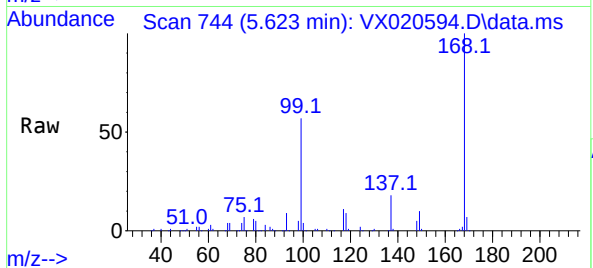
Tgt Ion: 75 Resp: 13169
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



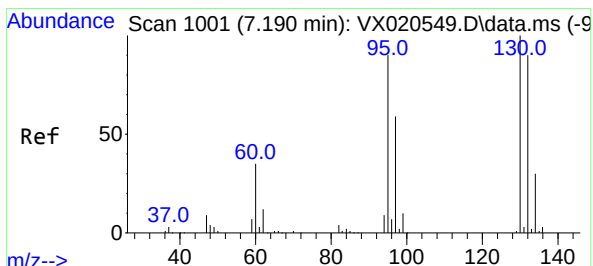
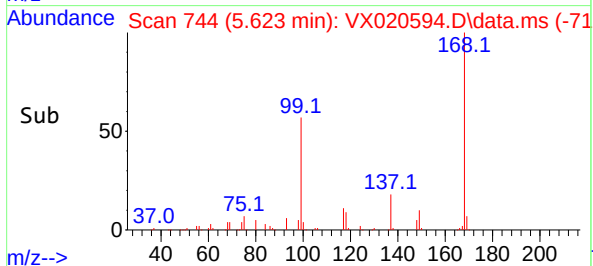
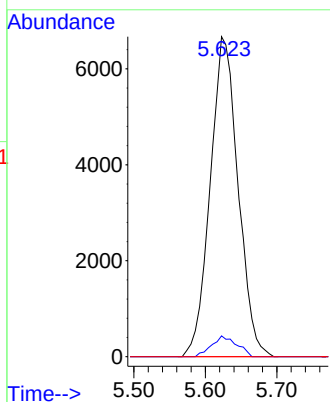


#38
Carbon Tetrachloride
Concen: 5.75 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Instrument :
MSVOA_X
ClientSampled :

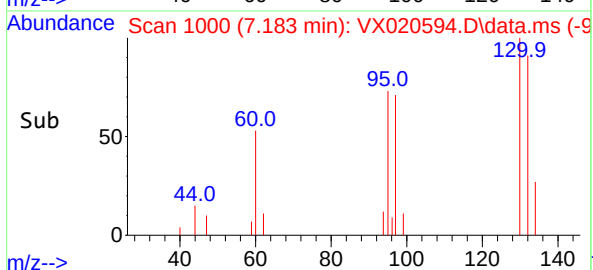
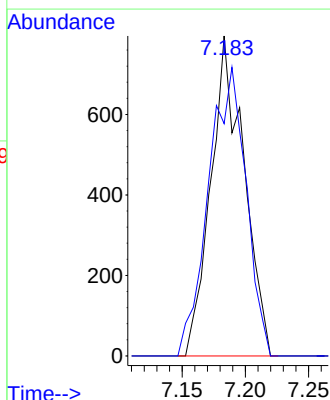
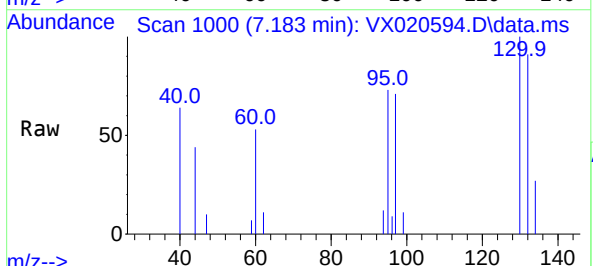


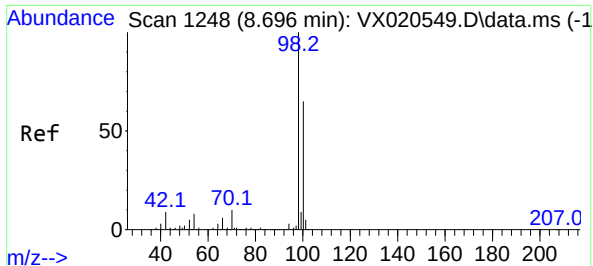
Tgt Ion:117 Resp: 18034
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.60 ug/l
RT: 7.183 min Scan# 1000
Delta R.T. -0.007 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Tgt Ion:130 Resp: 1444
Ion Ratio Lower Upper
130 100
95 72.6 0.0 198.0

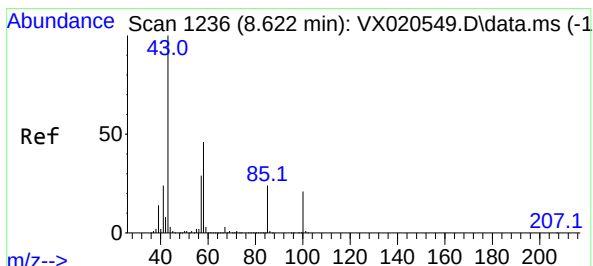
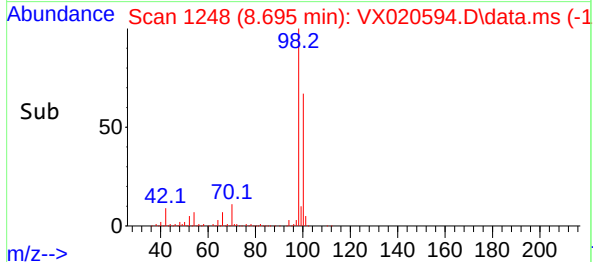
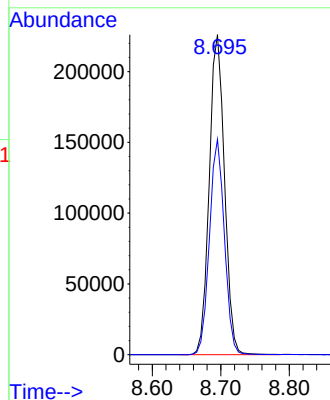
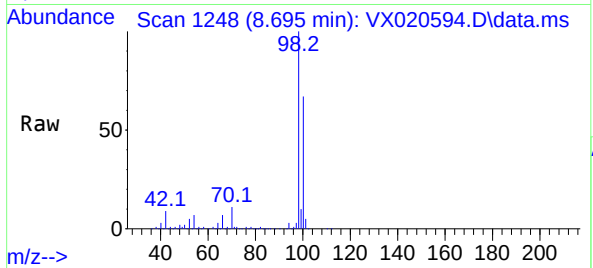




#50
Toluene-d8
Concen: 48.01 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

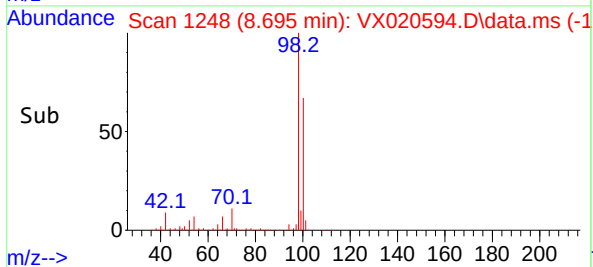
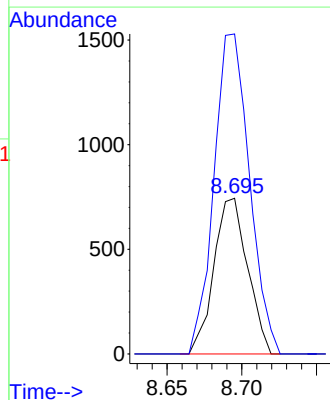
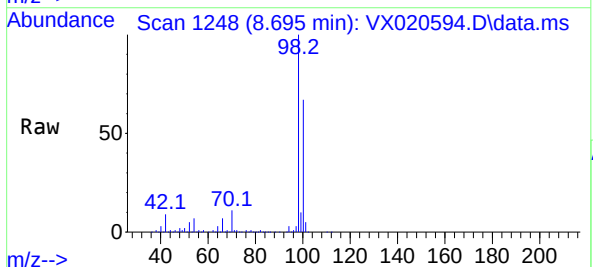
Instrument :
MSVOA_X
ClientSampled :

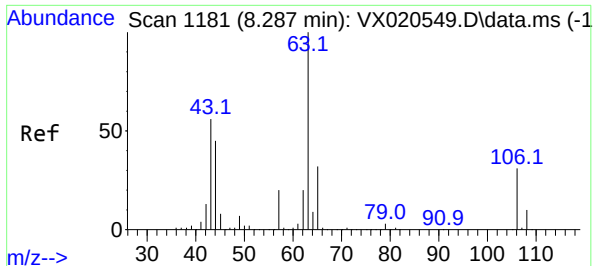
Tgt Ion: 98 Resp: 350005
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.073 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Tgt Ion: 43 Resp: 1166
Ion Ratio Lower Upper
43 100
58 216.5 35.4 53.0#

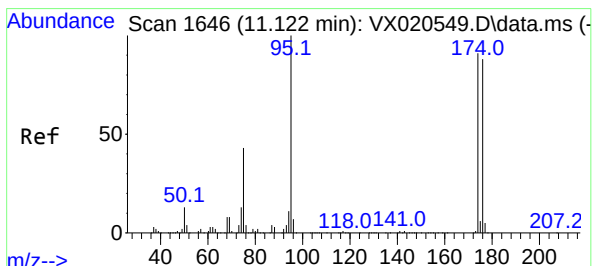
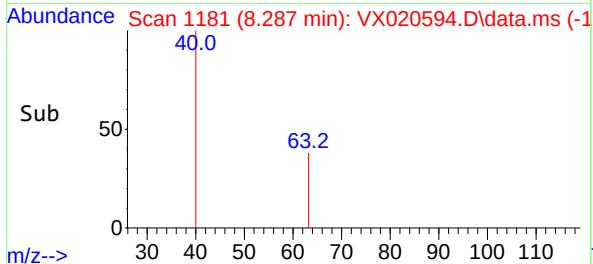
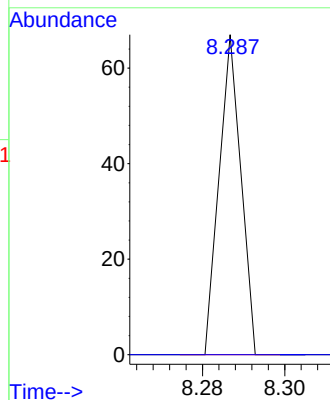
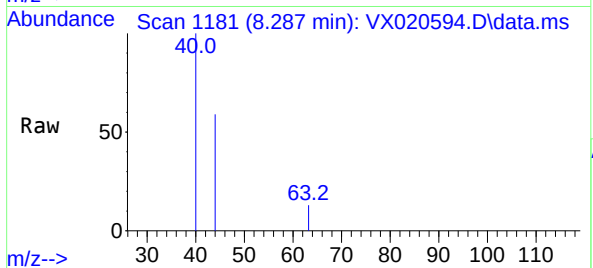




#58
2-Chloroethyl Vinyl ether
Concen: 4.58 ug/l
RT: 8.287 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

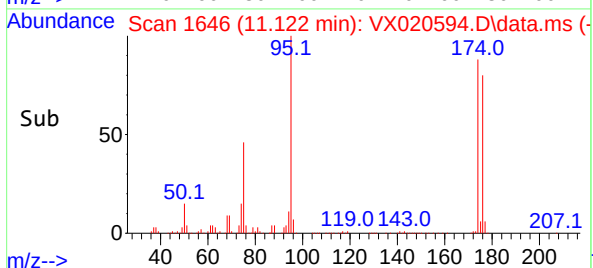
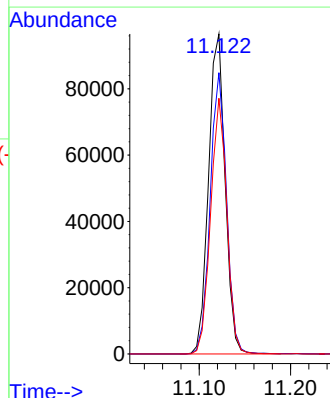
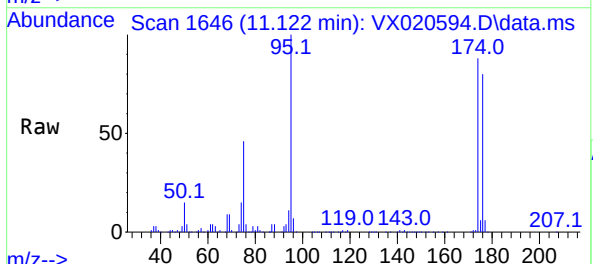
Instrument :
MSVOA_X
ClientSampled :

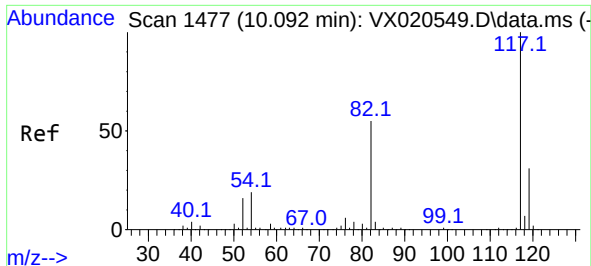
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#62
4-Bromofluorobenzene
Concen: 47.20 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Tgt Ion: 95 Resp: 121514
Ion Ratio Lower Upper
95 100
174 86.5 0.0 154.6
176 78.3 0.0 155.8

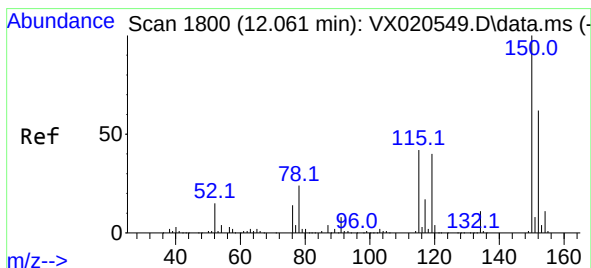
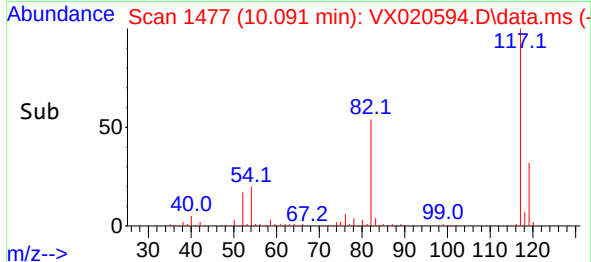
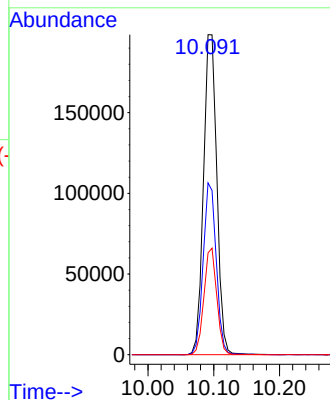
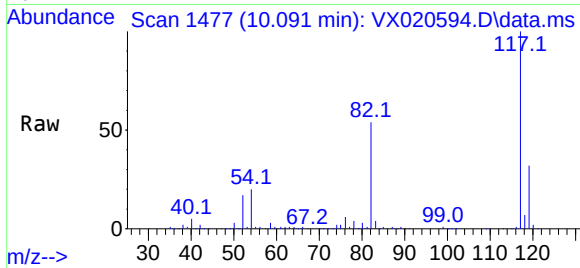




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.091 min Scan# 1477
Delta R.T. -0.001 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

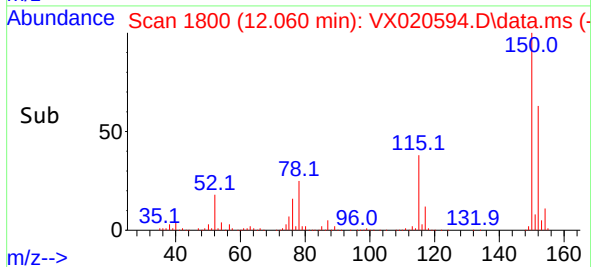
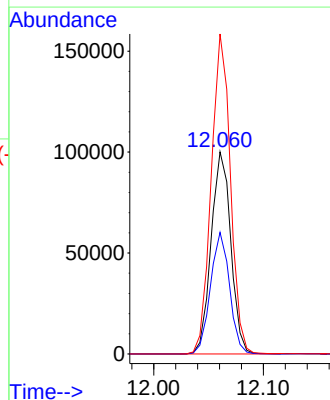
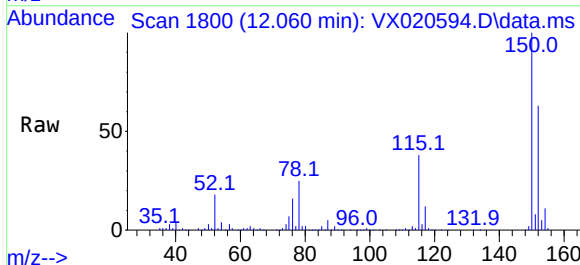
Instrument :
MSVOA_X
ClientSampled :

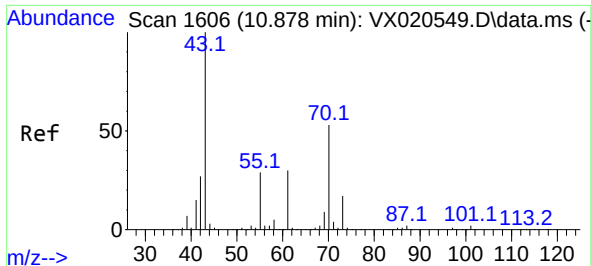
Tgt Ion:117 Resp: 279999
Ion Ratio Lower Upper
117 100
82 53.7 47.4 71.2
119 31.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.060 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

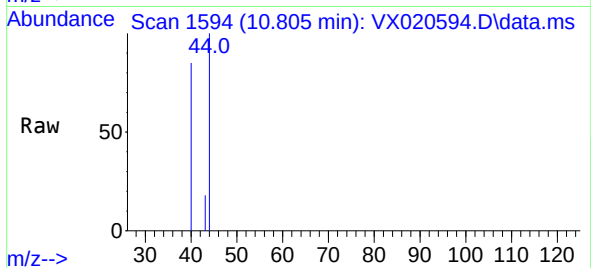
Tgt Ion:152 Resp: 124752
Ion Ratio Lower Upper
152 100
115 58.4 41.1 123.3
150 154.7 0.0 349.0





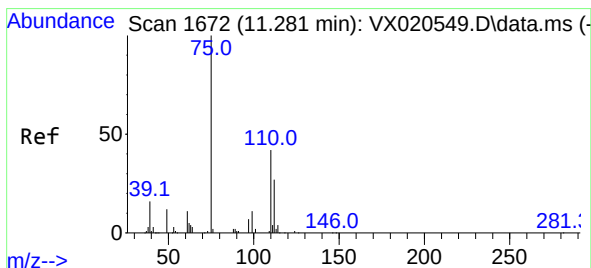
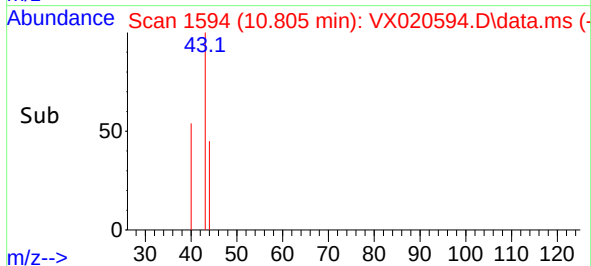
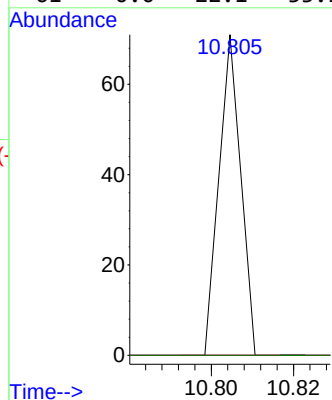
#74
N-amyl acetate
Concen: 1.24 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.073 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 43 Resp: 26

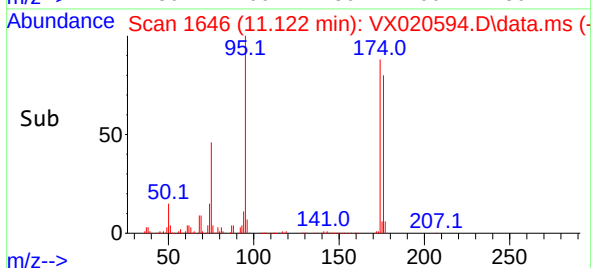
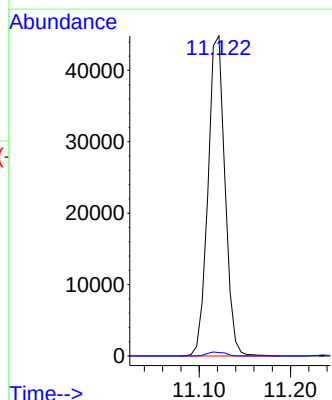
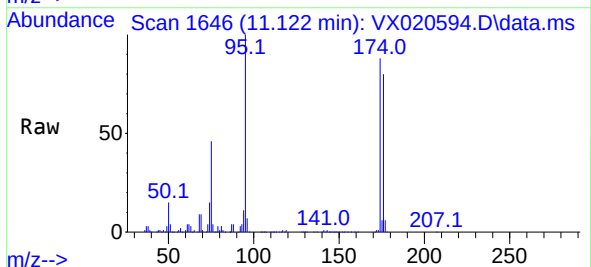
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	0.0	21.5	32.3#
61	0.0	22.1	33.1#

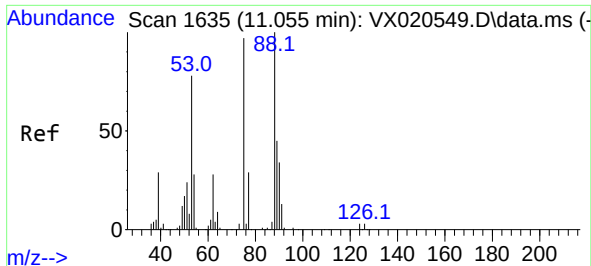


#76
1,2,3-Trichloropropane
Concen: 21.96 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.159 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Tgt Ion: 75 Resp: 57721

Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.1	57.5#

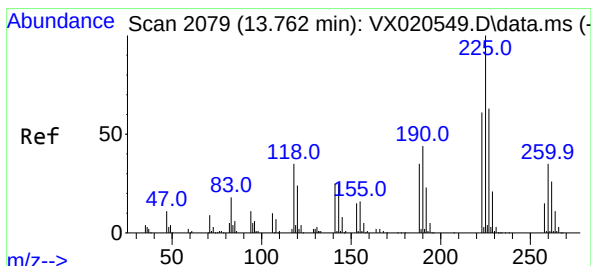
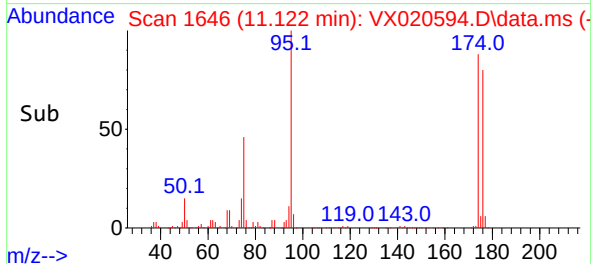
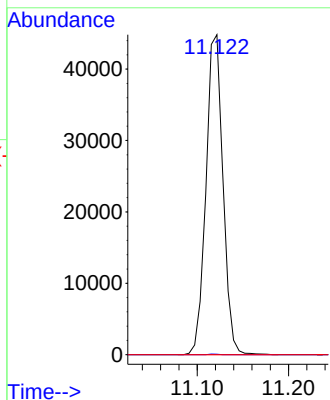
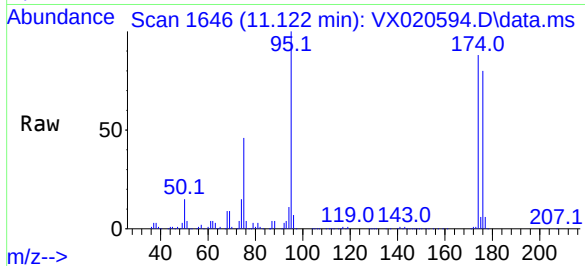




#81
trans-1,4-Dichloro-2-butene
Concen: 59.84 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

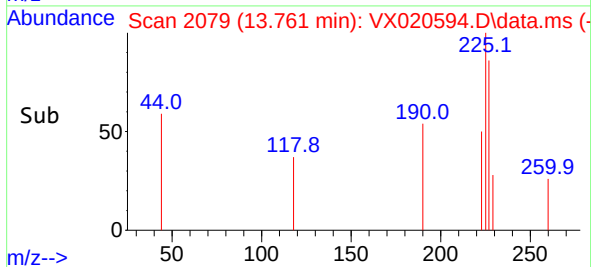
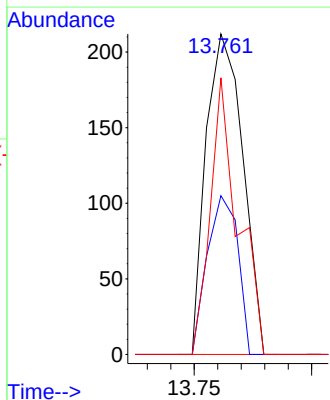
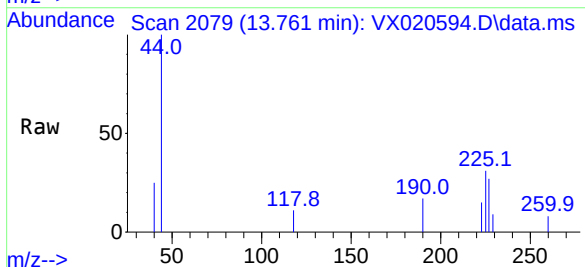
Instrument :
MSVOA_X
ClientSampled :

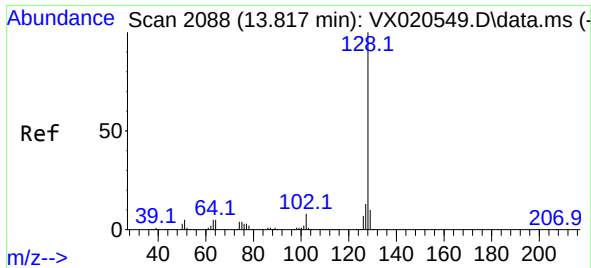
Tgt Ion: 75 Resp: 57721
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 1.03 ug/l
RT: 13.761 min Scan# 2079
Delta R.T. -0.001 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

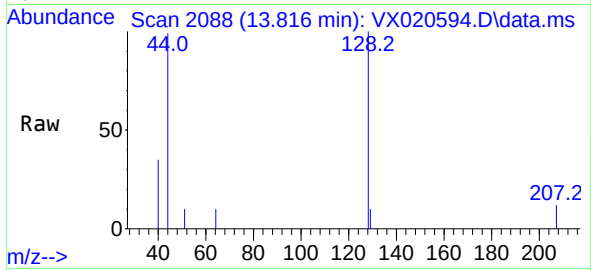
Tgt Ion: 225 Resp: 231
Ion Ratio Lower Upper
225 100
223 41.1 31.1 93.2
227 64.9 31.6 95.0





#95
Naphthalene
Concen: 3.92 ug/l
RT: 13.816 min Scan# 2088
Delta R.T. -0.001 min
Lab File: VX020594.D
Acq: 13 Jan 2021 15:28

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 791
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 5.1 8.8 13.2#

