

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020243.D
 Acq On : 21 Dec 2020 12:33
 Operator : JC/MD
 Sample : L5094-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 22 01:31:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

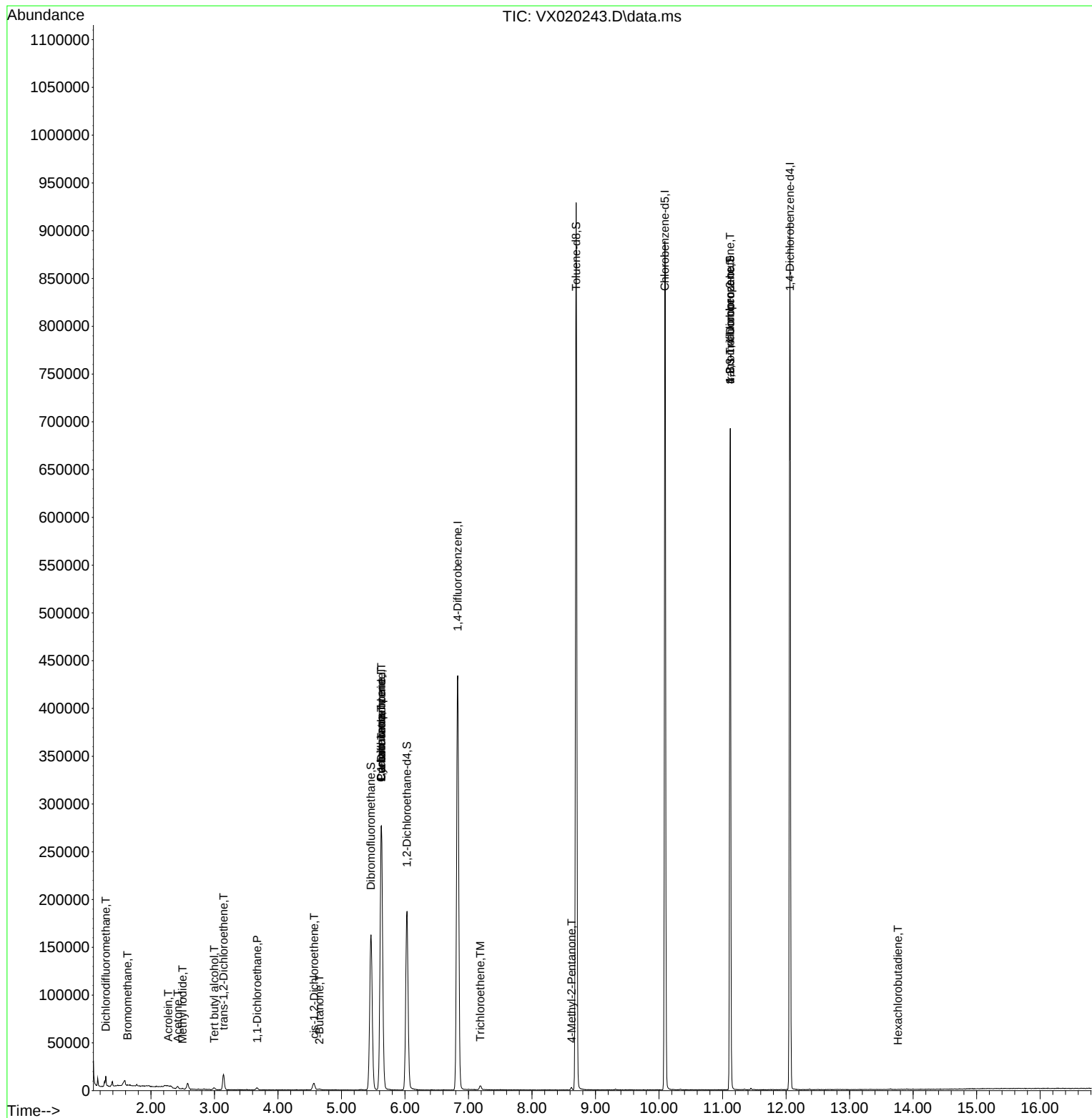
Internal Standards						
1) Pentafluorobenzene	5.629	168	265930	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	443768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	418549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	182962	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	177253	49.73	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.46%
35) Dibromofluoromethane	5.464	113	141940	50.00	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.00%
50) Toluene-d8	8.696	98	548292	50.18	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.36%
62) 4-Bromofluorobenzene	11.122	95	194612	46.53	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.06%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.288	85	674	0.23	ug/l	82
5) Bromomethane	1.630	94	782	0.67	ug/l #	68
10) Methyl Iodide	2.495	142	567	3.43	ug/l #	91
11) Tert butyl alcohol	2.995	59	1555	1.95	ug/l #	73
13) Acrolein	2.270	56	138	0.28	ug/l #	1
16) Acetone	2.422	43	3036	1.87	ug/l #	84
21) trans-1,2-Dichloroethene	3.142	96	6724	2.04	ug/l	96
24) 1,1-Dichloroethane	3.672	63	2658	0.46	ug/l #	91
25) 2-Butanone	4.654	43	502	0.21	ug/l #	45
27) cis-1,2-Dichloroethene	4.568	96	4597	1.24	ug/l	93
31) Cyclohexane	5.623	56	5376	1.09	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	20743	4.73	ug/l #	48
38) Carbon Tetrachloride	5.629	117	26777	6.42	ug/l #	16
44) Trichloroethene	7.184	130	1565	0.44	ug/l	100
51) 4-Methyl-2-Pentanone	8.622	43	1687	0.38	ug/l #	84
76) 1,2,3-Trichloropropane	11.122	75	93947	20.85	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	93947	61.84	ug/l #	12
94) Hexachlorobutadiene	13.762	225	23	2.66	ug/l #	19

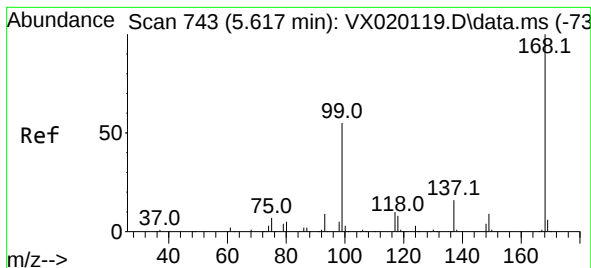
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampled :

Quant Time: Dec 22 01:31:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.629 min Scan# 745

Delta R.T. 0.012 min

Lab File: VX020243.D

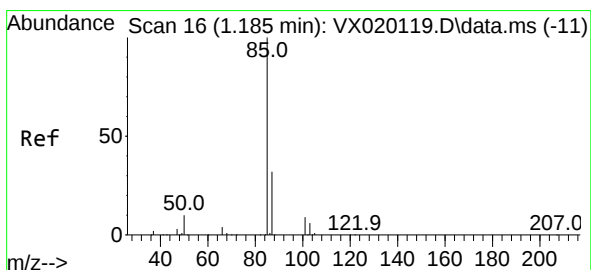
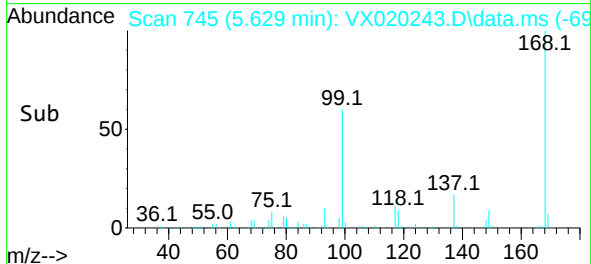
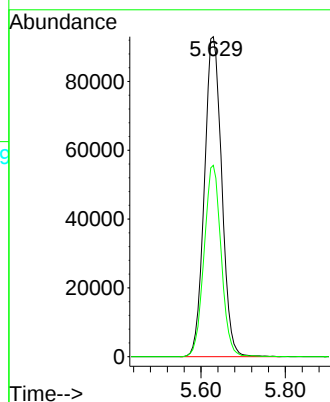
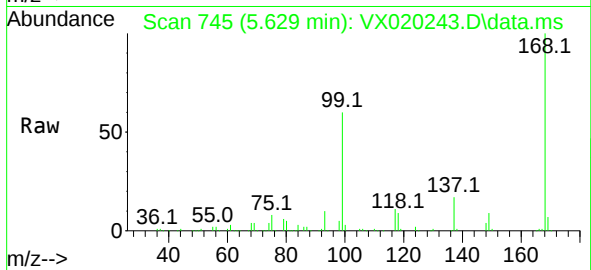
Acq: 21 Dec 2020 12:33

Tgt Ion: 168 Resp: 265930

Ion Ratio Lower Upper

168 100

99 59.8 45.8 68.6



#2

Dichlorodifluoromethane

Concen: 0.23 ug/l

RT: 1.288 min Scan# 33

Delta R.T. 0.103 min

Lab File: VX020243.D

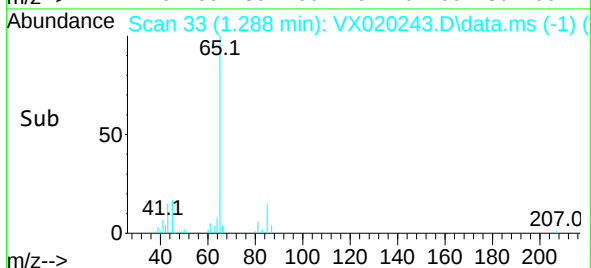
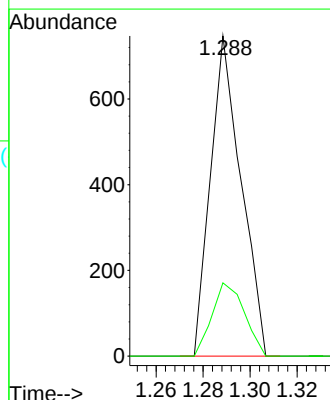
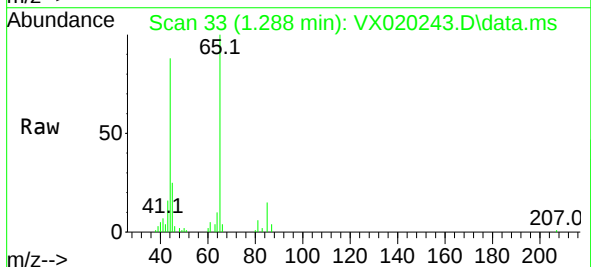
Acq: 21 Dec 2020 12:33

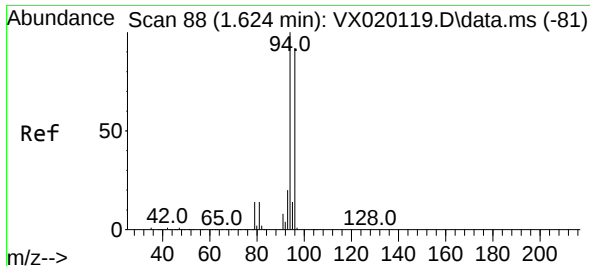
Tgt Ion: 85 Resp: 674

Ion Ratio Lower Upper

85 100

87 22.9 16.4 49.2

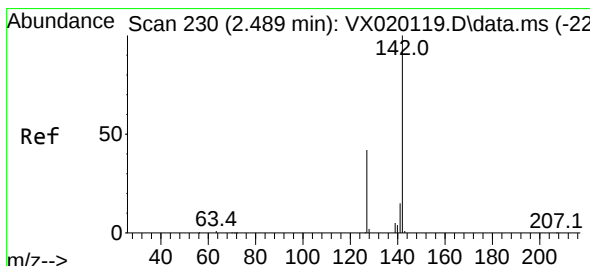
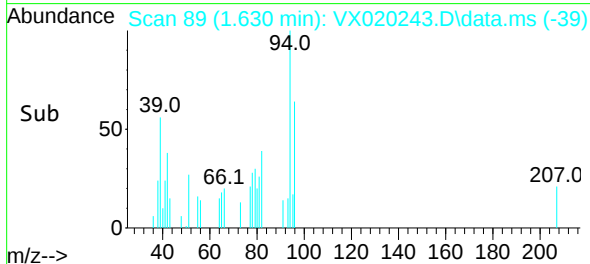
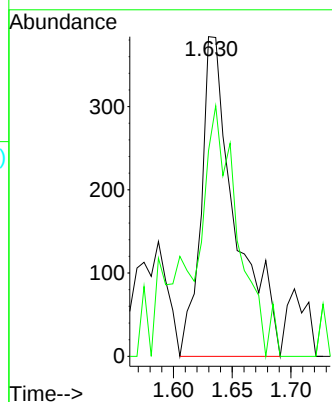
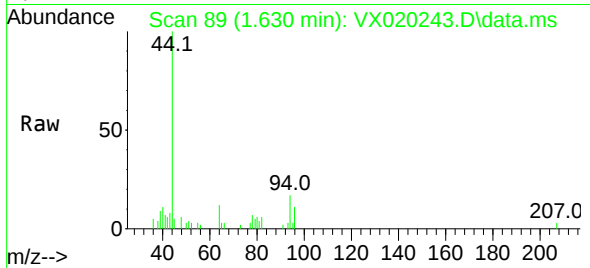




#5
Bromomethane
Concen: 0.67 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

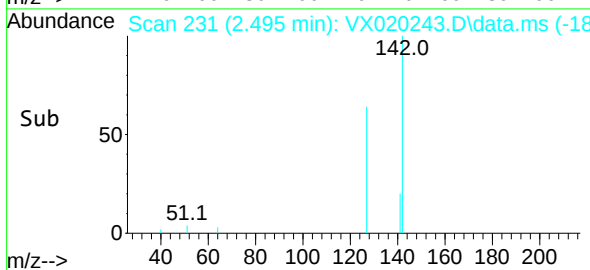
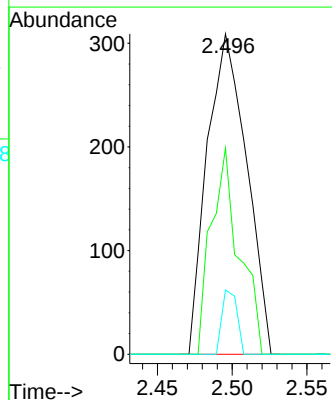
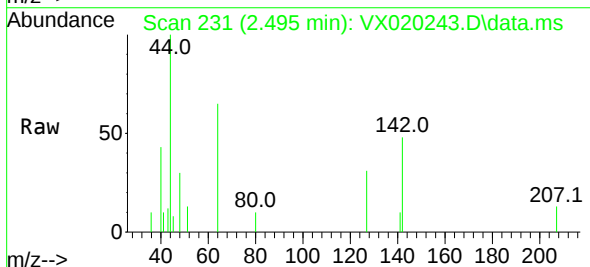
Instrument :
MSVOA_X
ClientSampleId :

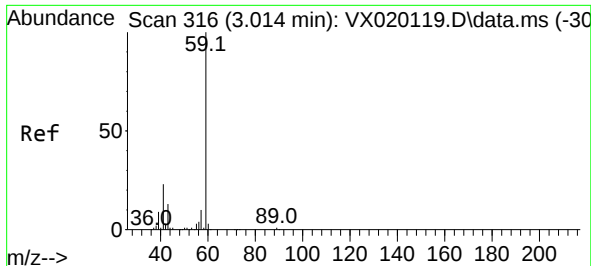
Tgt Ion: 94 Resp: 782
Ion Ratio Lower Upper
94 100
96 64.3 76.4 114.6#



#10
Methyl Iodide
Concen: 3.43 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

Tgt Ion: 142 Resp: 567
Ion Ratio Lower Upper
142 100
127 46.0 33.3 49.9
141 7.6 11.4 17.0#

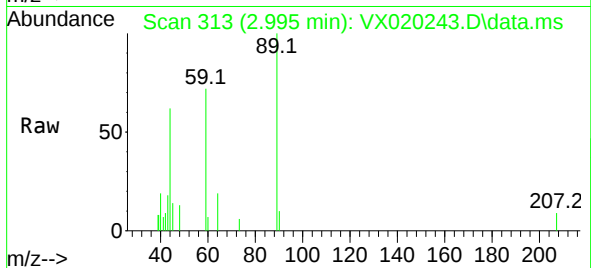




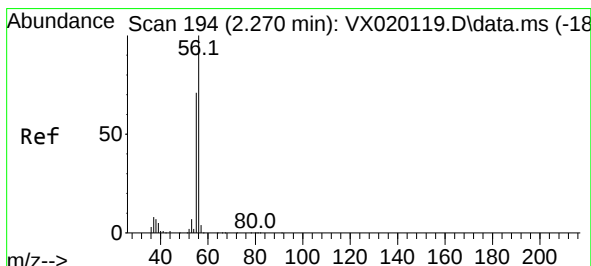
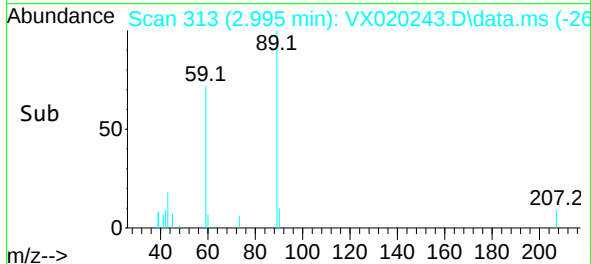
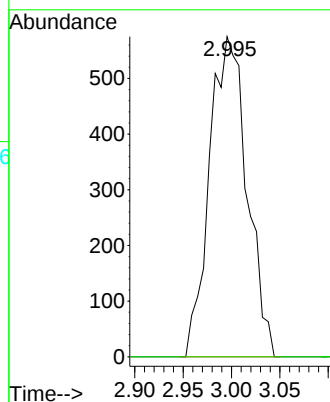
#11

Tert butyl alcohol
Concen: 1.95 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

Instrument :
MSVOA_X
ClientSampled :



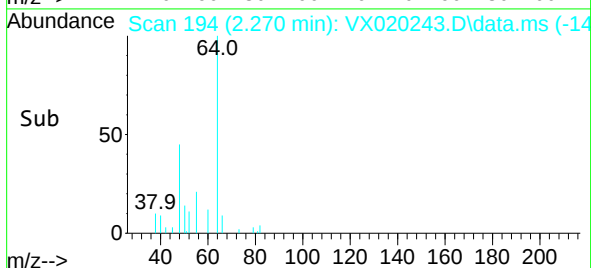
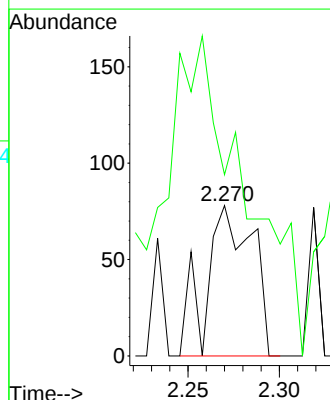
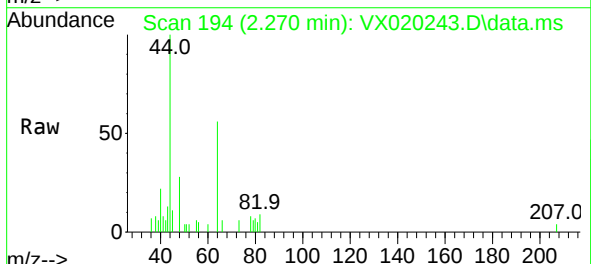
Tgt Ion: 59 Resp: 1555
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13

Acrolein
Concen: 0.28 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

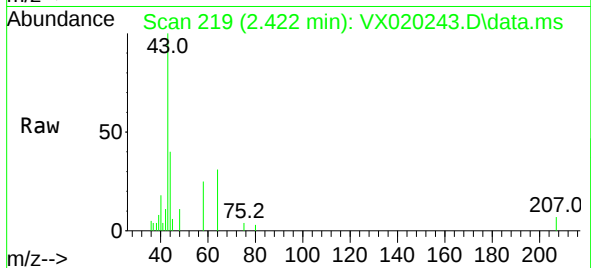
Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 342.0 56.4 84.6#



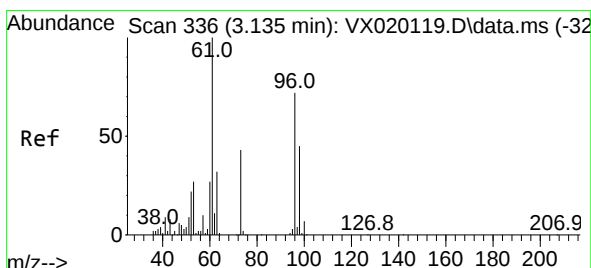
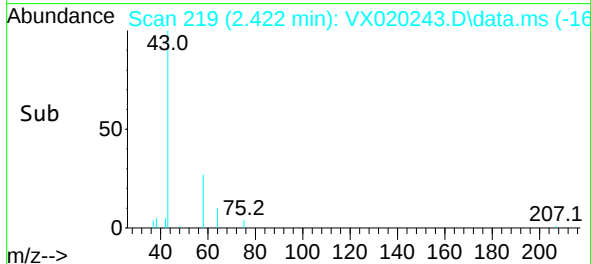
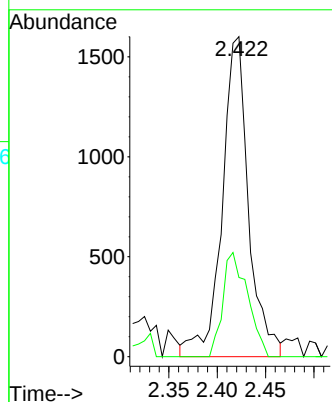


#16
Acetone
Concen: 1.87 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

Instrument :
MSVOA_X
ClientSampled :

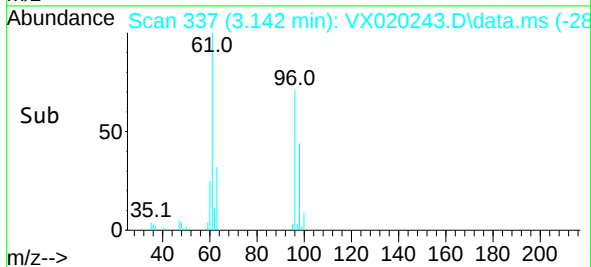
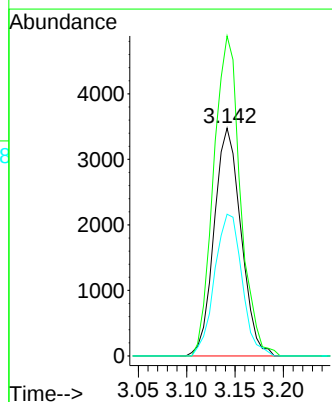
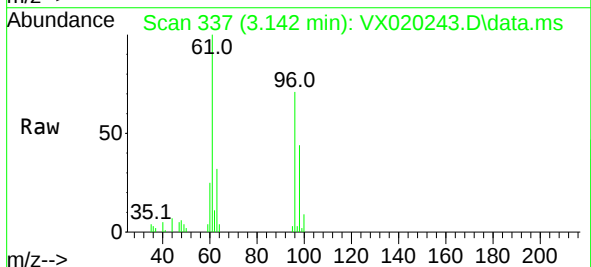


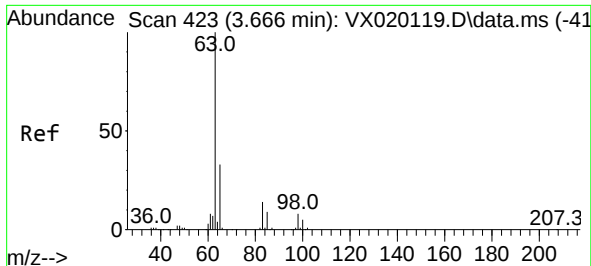
Tgt Ion: 43 Resp: 3036
Ion Ratio Lower Upper
43 100
58 25.6 27.8 41.8#



#21
trans-1,2-Dichloroethene
Concen: 2.04 ug/l
RT: 3.142 min Scan# 337
Delta R.T. 0.007 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

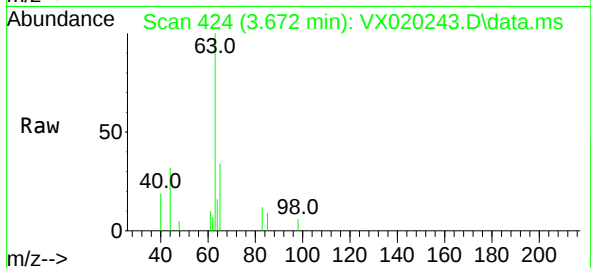
Tgt Ion: 96 Resp: 6724
Ion Ratio Lower Upper
96 100
61 140.5 107.7 161.5
98 62.2 50.4 75.6



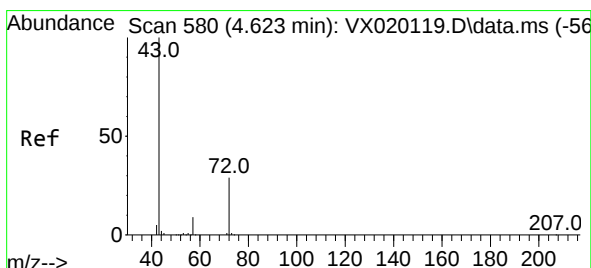
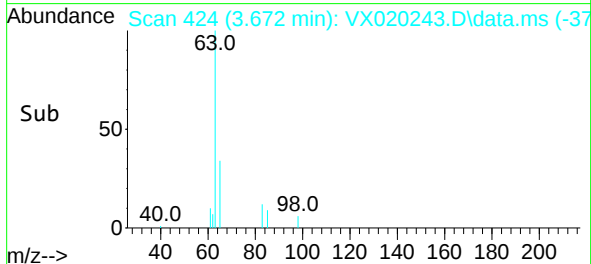
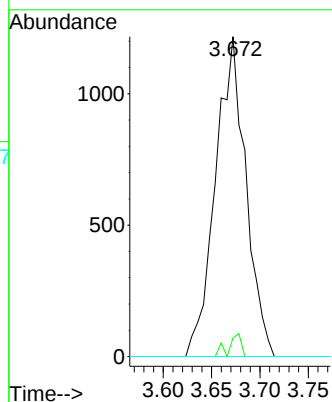


#24
1,1-Dichloroethane
Concen: 0.46 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

Instrument :
MSVOA_X
ClientSampled :

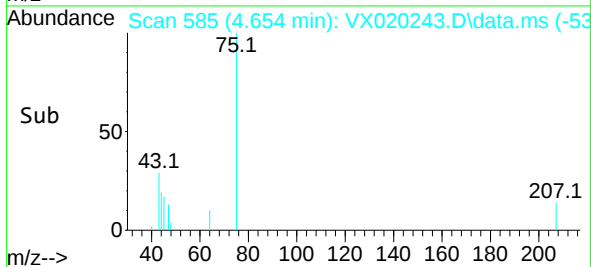
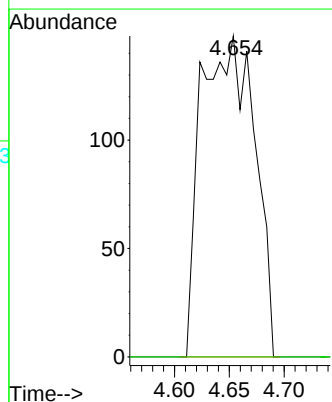
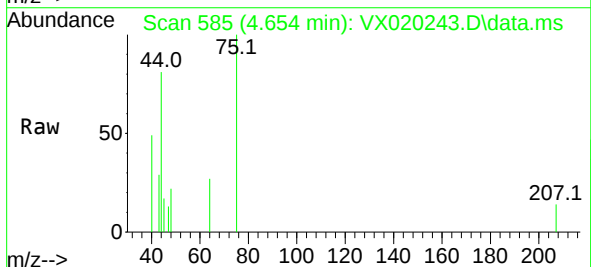


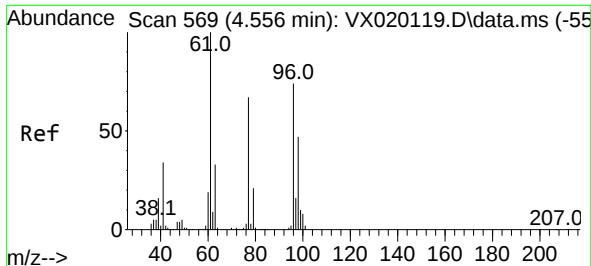
Tgt Ion: 63 Resp: 2658
Ion Ratio Lower Upper
63 100
98 5.8 3.8 11.2
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 0.21 ug/l
RT: 4.654 min Scan# 585
Delta R.T. 0.031 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 1.24 ug/l

RT: 4.568 min Scan# 571

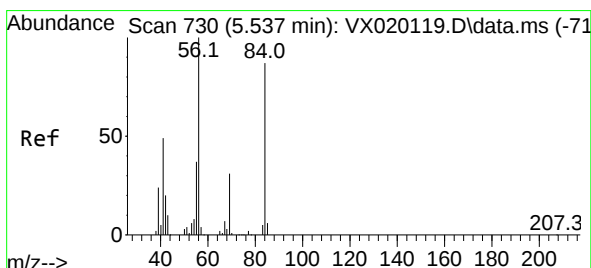
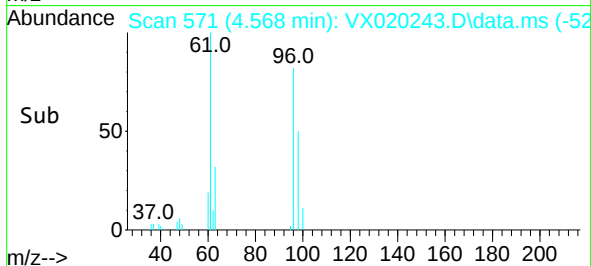
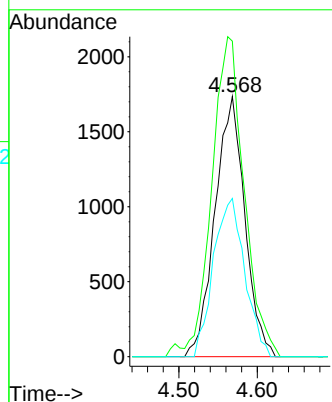
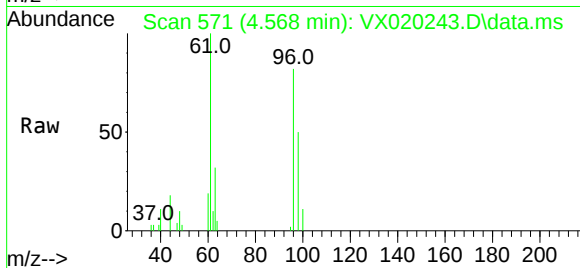
Delta R.T. 0.012 min

Lab File: VX020243.D

Acq: 21 Dec 2020 12:33

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	96	Resp:	4597
Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	285.6
98	63.7	0.0	129.6



#31

Cyclohexane

Concen: 1.09 ug/l

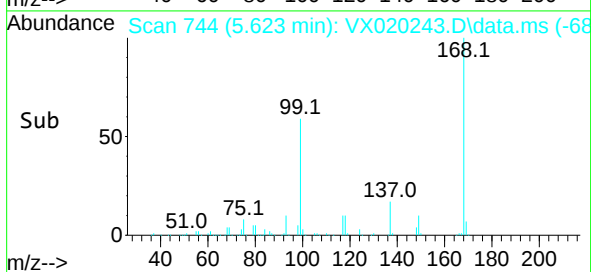
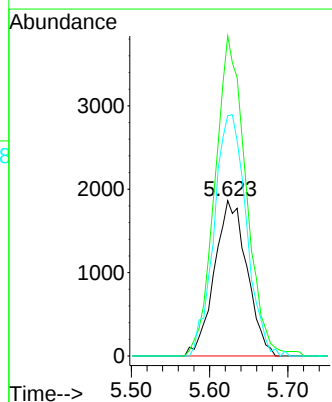
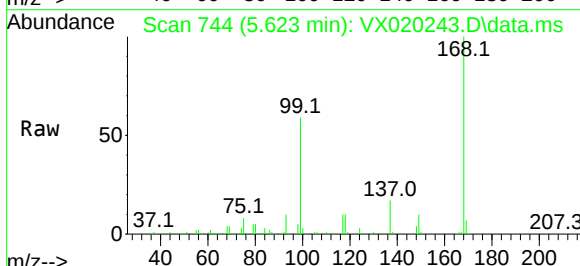
RT: 5.623 min Scan# 744

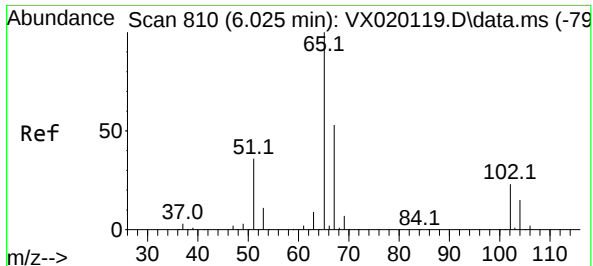
Delta R.T. 0.086 min

Lab File: VX020243.D

Acq: 21 Dec 2020 12:33

Tgt Ion:	56	Resp:	5376
Ion	Ratio	Lower	Upper
56	100		
69	206.0	25.3	37.9#
84	154.8	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.73 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020243.D

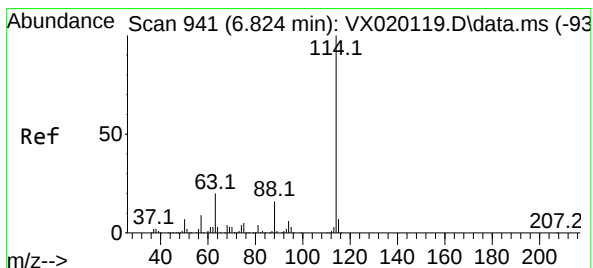
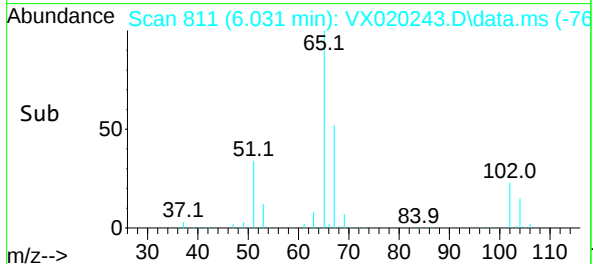
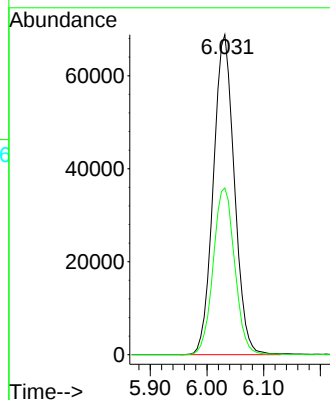
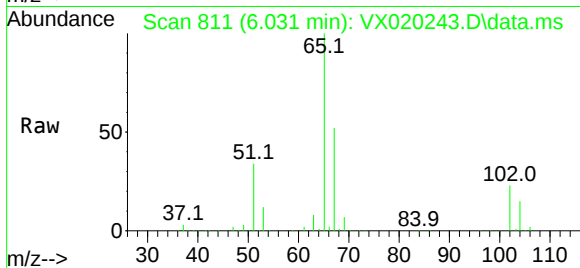
Acq: 21 Dec 2020 12:33

Tgt Ion: 65 Resp: 177253

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.006 min

Lab File: VX020243.D

Acq: 21 Dec 2020 12:33

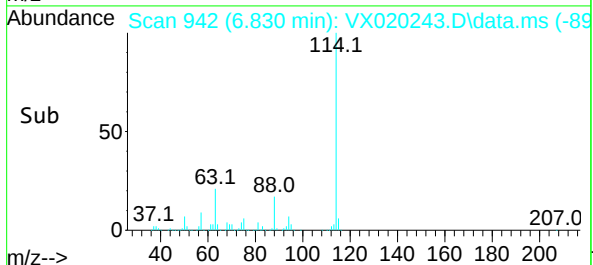
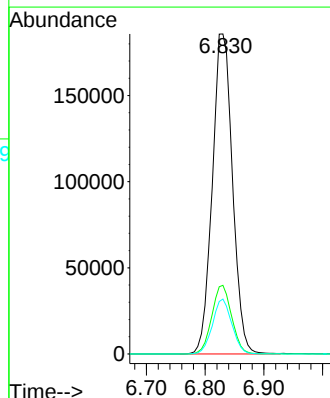
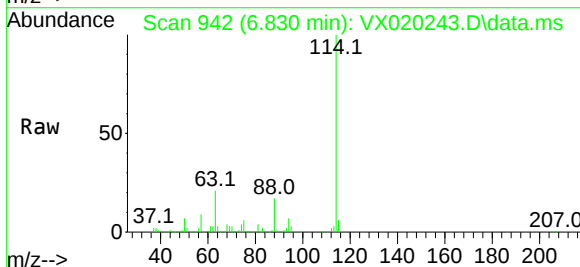
Tgt Ion: 114 Resp: 443768

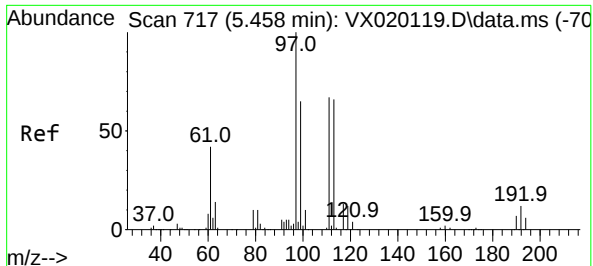
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.8

88 17.1 0.0 32.8

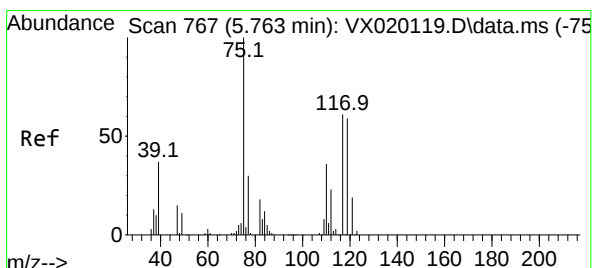
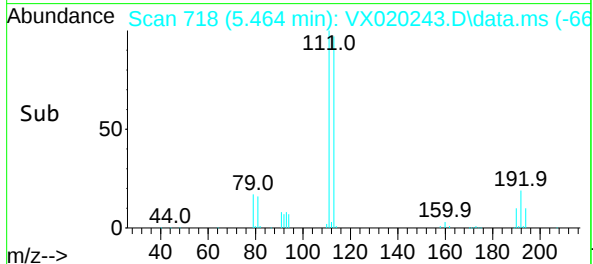
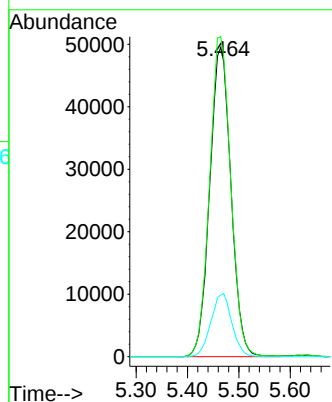
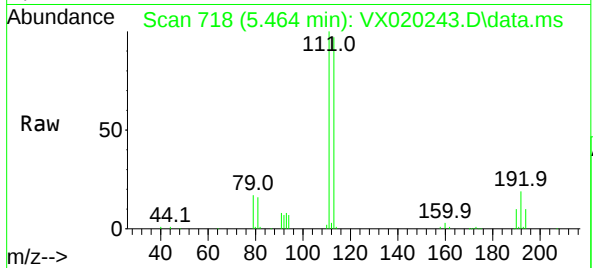




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

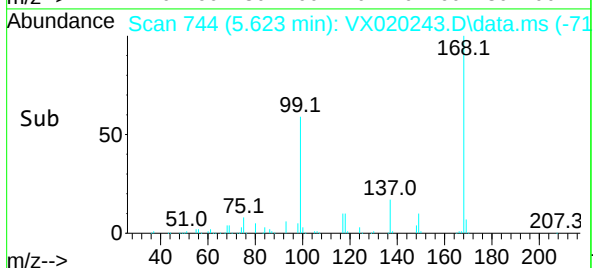
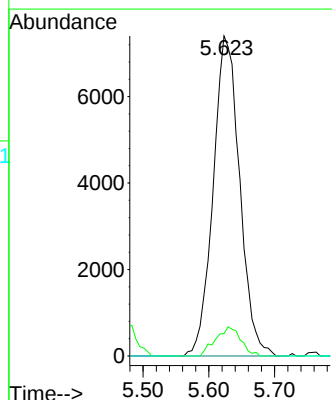
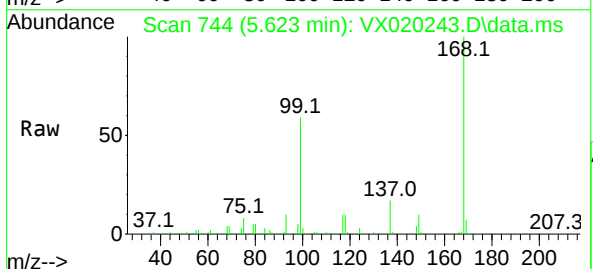
Instrument :
MSVOA_X
ClientSampled :

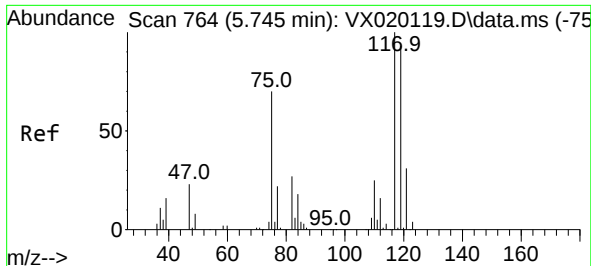
Tgt Ion:113 Resp: 141940
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

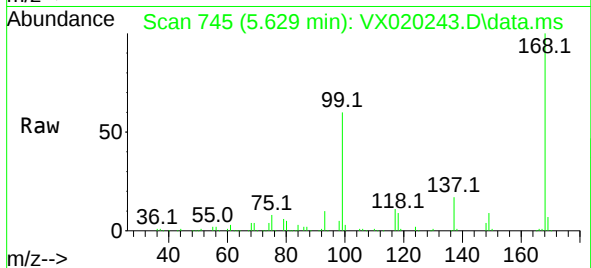
Tgt Ion: 75 Resp: 20743
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



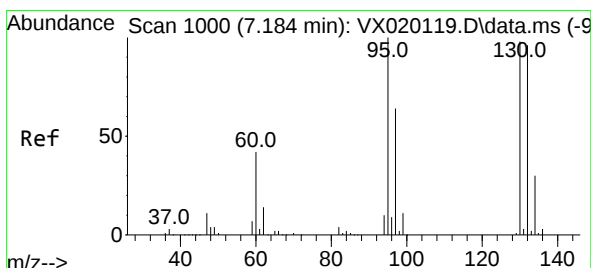
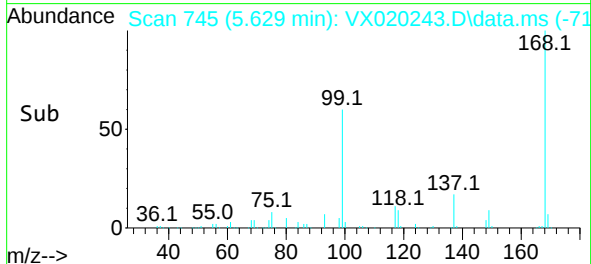
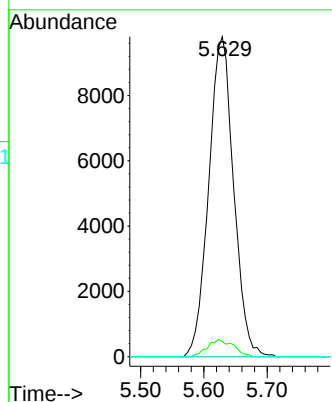


#38
Carbon Tetrachloride
Concen: 6.42 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

Instrument :
MSVOA_X
ClientSampled :

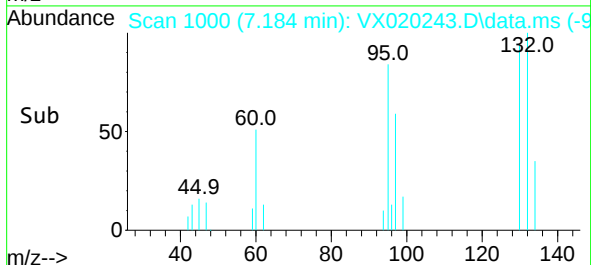
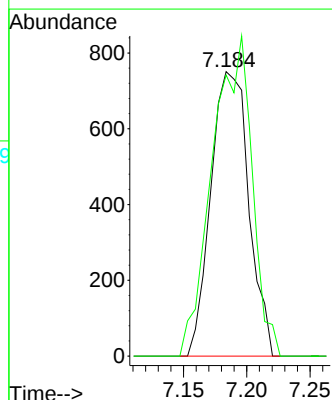
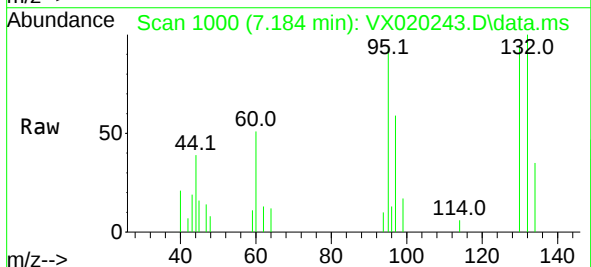


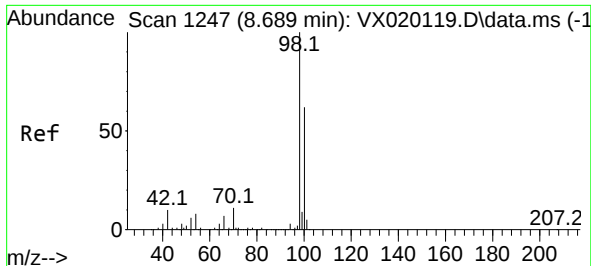
Tgt Ion:117 Resp: 26777
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.44 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

Tgt Ion:130 Resp: 1565
Ion Ratio Lower Upper
130 100
95 98.8 0.0 198.0

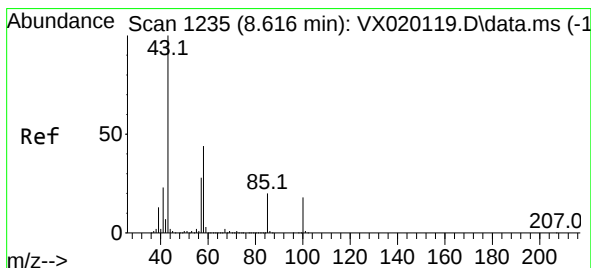
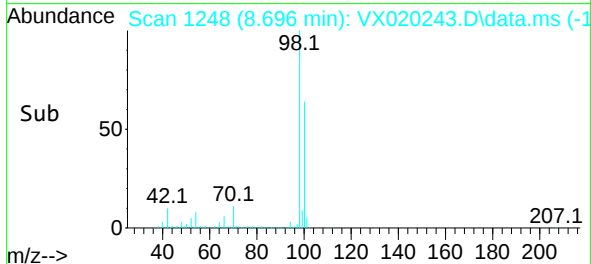
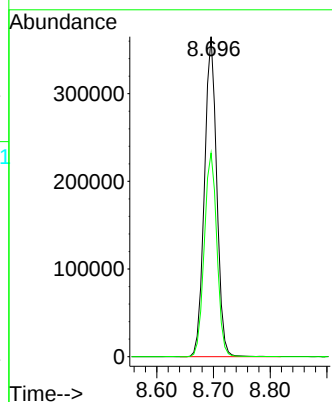
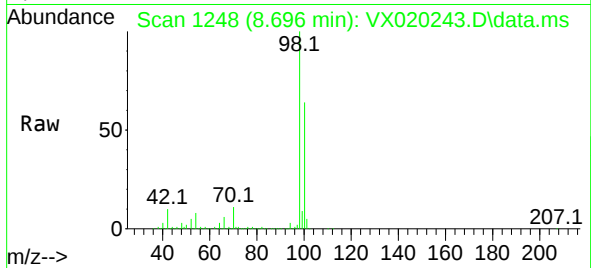




#50
Toluene-d8
Concen: 50.18 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

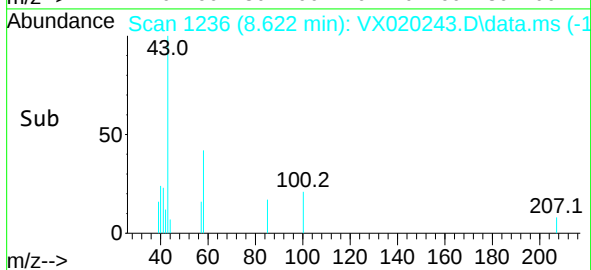
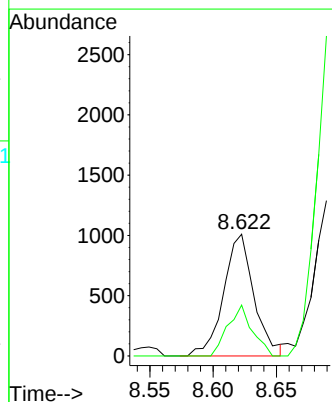
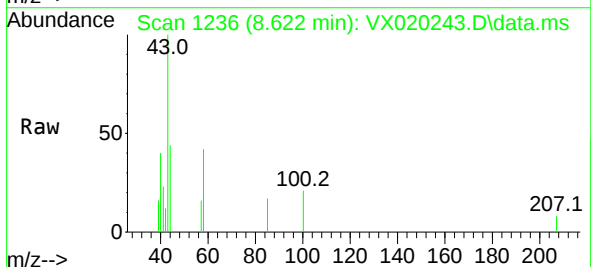
Instrument :
MSVOA_X
ClientSampleId :

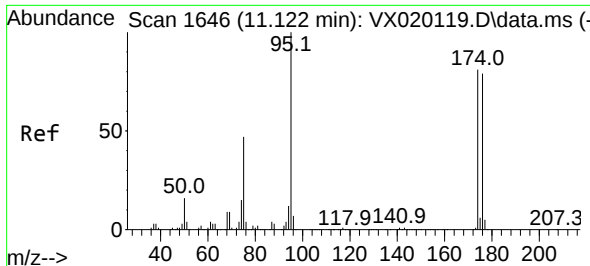
Tgt Ion: 98 Resp: 548292
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.38 ug/l
RT: 8.622 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

Tgt Ion: 43 Resp: 1687
Ion Ratio Lower Upper
43 100
58 33.6 35.4 53.0#

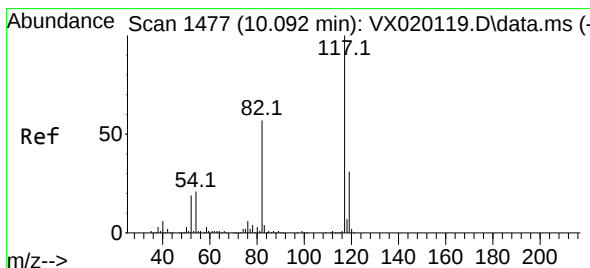
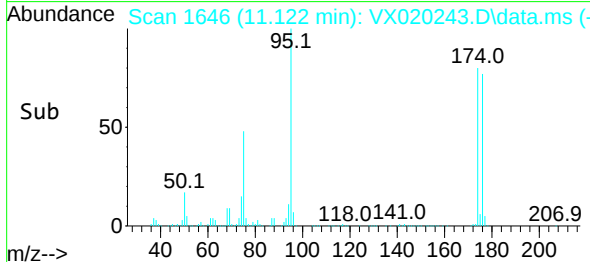
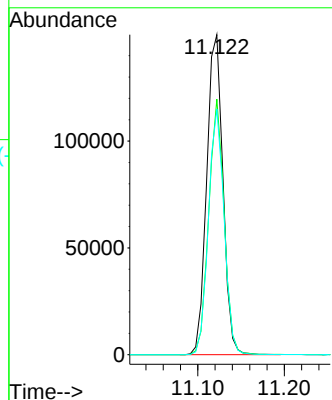
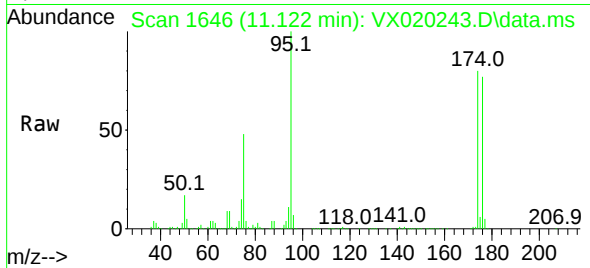




#62
4-Bromofluorobenzene
Concen: 46.53 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

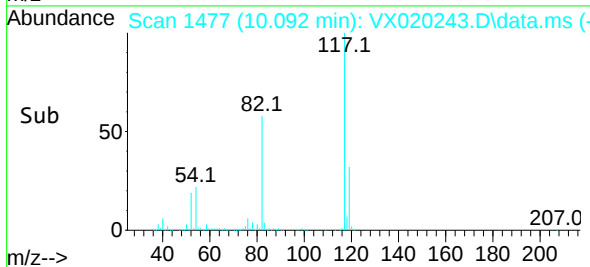
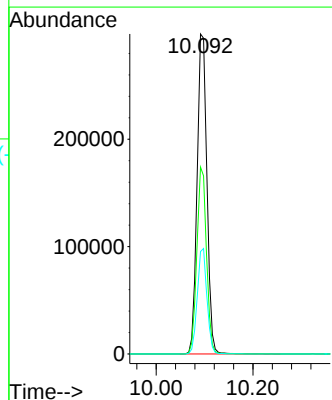
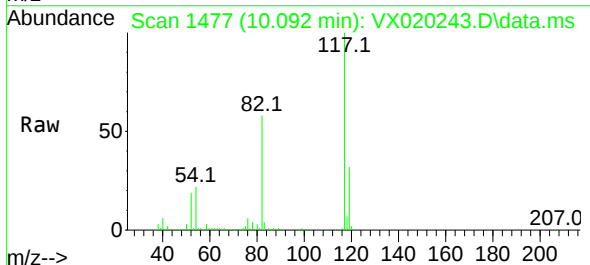
Instrument :
MSVOA_X
ClientSampleId :

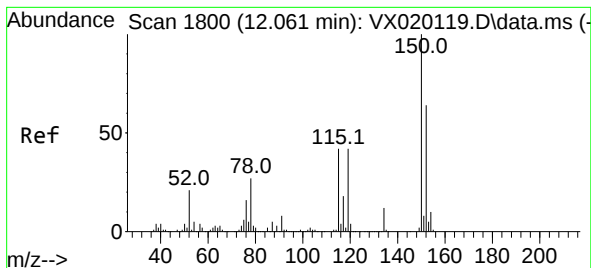
Tgt Ion: 95 Resp: 194612
Ion Ratio Lower Upper
95 100
174 75.8 0.0 154.6
176 74.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

Tgt Ion: 117 Resp: 418549
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.0 26.6 39.8

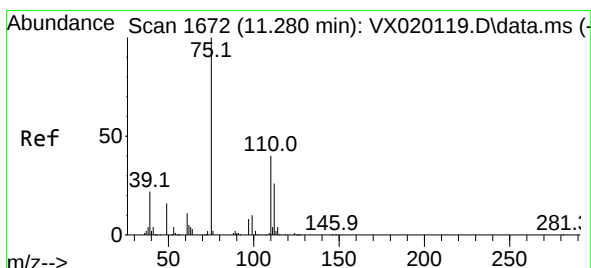
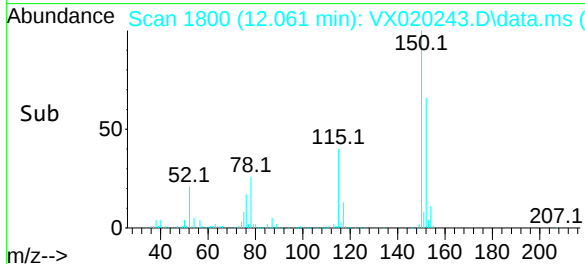
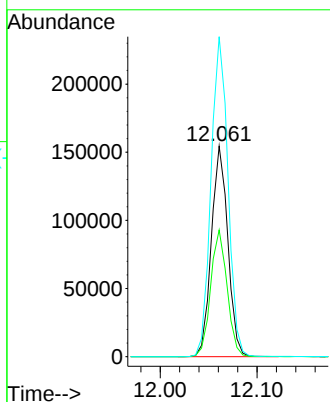
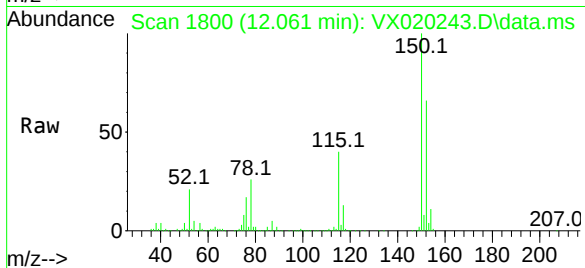




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020243.D
 Acq: 21 Dec 2020 12:33

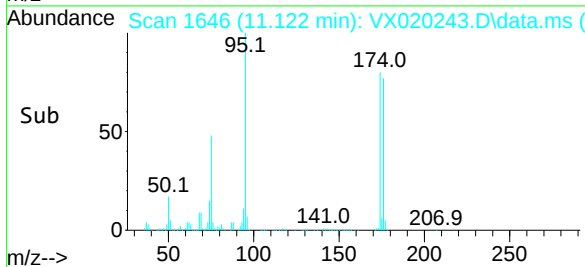
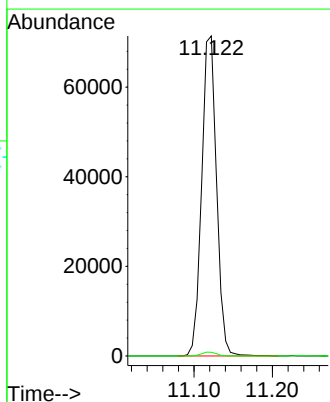
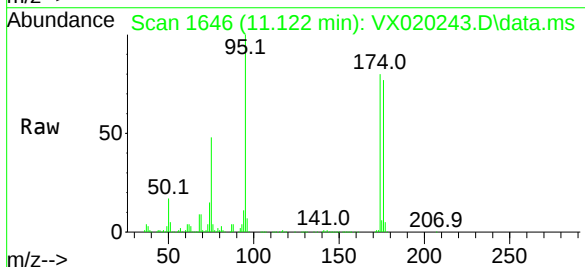
Instrument :
 MSVOA_X
 ClientSampleId :

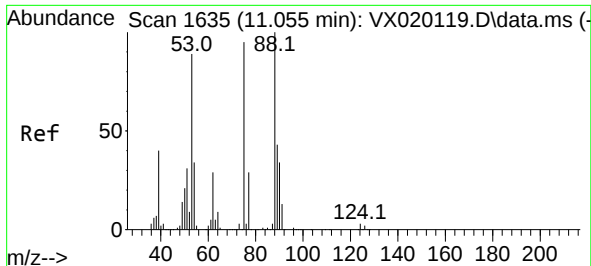
Tgt Ion:152 Resp: 182962
 Ion Ratio Lower Upper
 152 100
 115 60.0 41.1 123.3
 150 156.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 20.85 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020243.D
 Acq: 21 Dec 2020 12:33

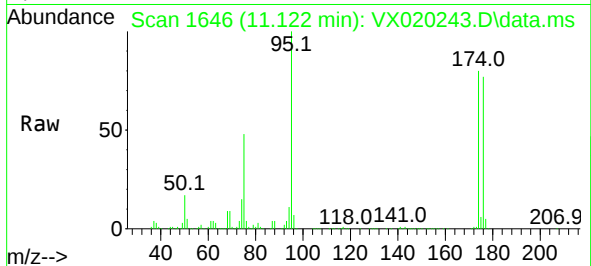
Tgt Ion: 75 Resp: 93947
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



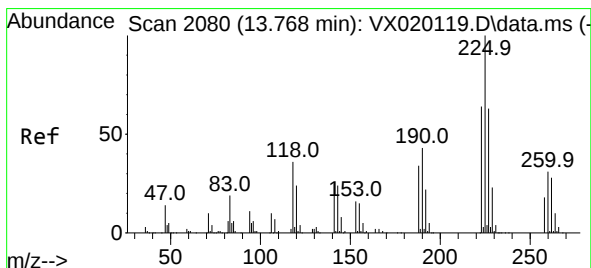
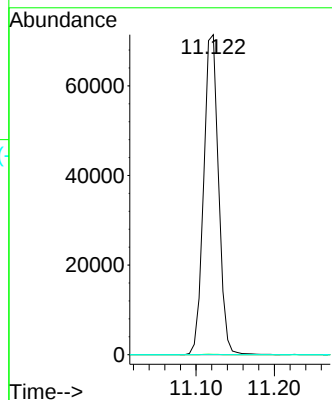
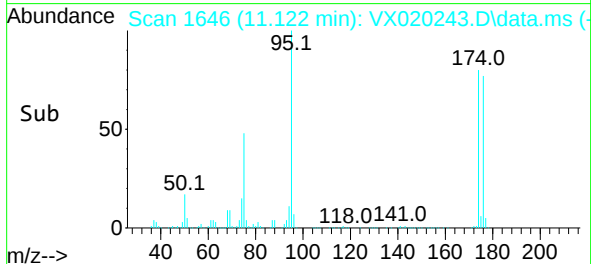


#81
trans-1,4-Dichloro-2-butene
Concen: 61.84 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33

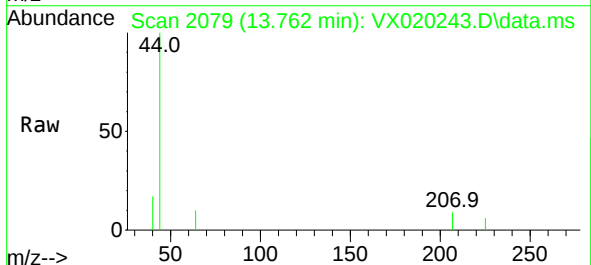
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 93947
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 2.66 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.006 min
Lab File: VX020243.D
Acq: 21 Dec 2020 12:33



Tgt Ion: 225 Resp: 23
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.2#
227 0.0 31.6 95.0#

