

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122420\
 Data File : VX020383.D
 Acq On : 24 Dec 2020 13:25
 Operator : JC/MD
 Sample : L5124-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 25 01:12:14 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)

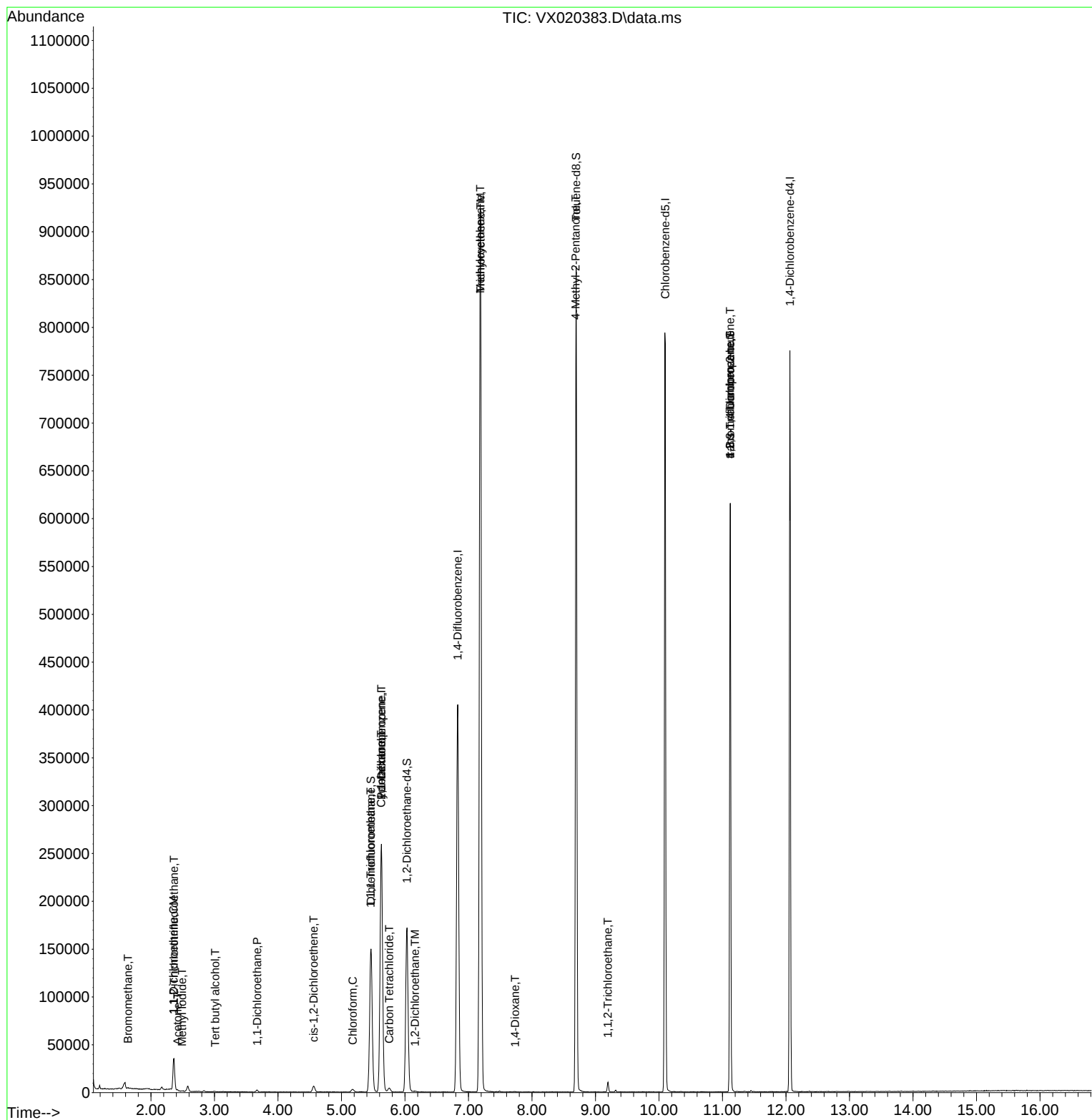
Internal Standards						
1) Pentafluorobenzene	5.629	168	242928	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	411109	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	376080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	157234	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	164422	50.49	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.98%
35) Dibromofluoromethane	5.465	113	131240	49.90	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.80%
50) Toluene-d8	8.696	98	501378	49.53	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.06%
62) 4-Bromofluorobenzene	11.122	95	167233	43.16	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.32%
Target Compounds						Qvalue
5) Bromomethane	1.636	94	580	0.54	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.361	101	7889	3.25	ug/l	97
10) Methyl Iodide	2.489	142	472	3.42	ug/l #	82
11) Tert butyl alcohol	3.014	59	424	0.58	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	5894	2.38	ug/l	92
16) Acetone	2.416	43	1401	0.94	ug/l	88
24) 1,1-Dichloroethane	3.672	63	2270	0.43	ug/l	96
27) cis-1,2-Dichloroethene	4.562	96	4141	1.22	ug/l	90
30) Chloroform	5.178	83	3538	0.66	ug/l	94
31) Cyclohexane	5.623	56	4855	1.08	ug/l #	1
32) 1,1,1-Trichloroethane	5.458	97	1016	0.23	ug/l #	38
36) 1,1-Dichloropropene	5.629	75	19192	4.72	ug/l #	48
38) Carbon Tetrachloride	5.751	117	3528	0.91	ug/l	90
39) Methylcyclohexane	7.184	83	4416	0.94	ug/l #	1
42) 1,2-Dichloroethane	6.160	62	898	0.21	ug/l #	73
44) Trichloroethene	7.190	130	366466	112.09	ug/l	100
49) 1,4-Dioxane	7.732	88	330	4.32	ug/l #	76
51) 4-Methyl-2-Pentanone	8.690	43	2006	0.49	ug/l #	1
55) 1,1,2-Trichloroethane	9.196	97	2693	0.85	ug/l #	92
76) 1,2,3-Trichloropropane	11.122	75	81863	21.14	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	81863	62.71	ug/l #	12

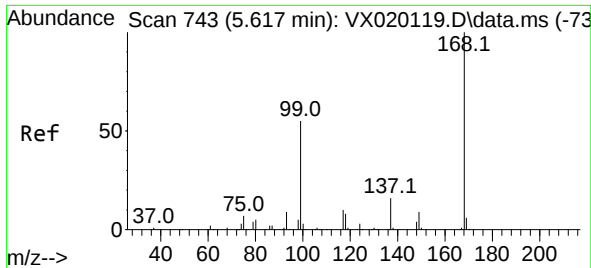
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 25 01:12:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

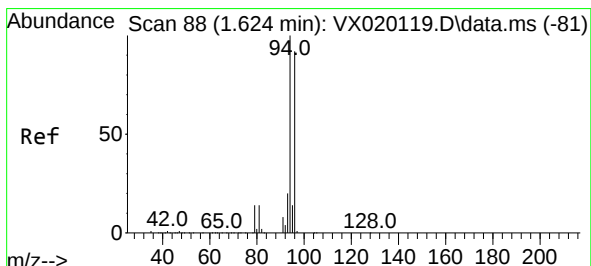
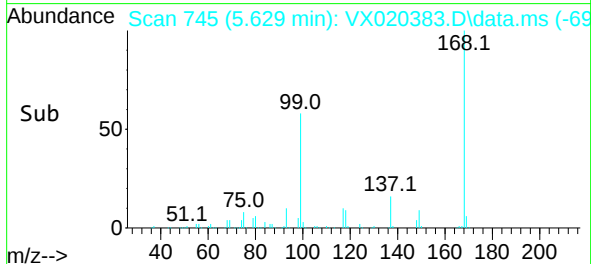
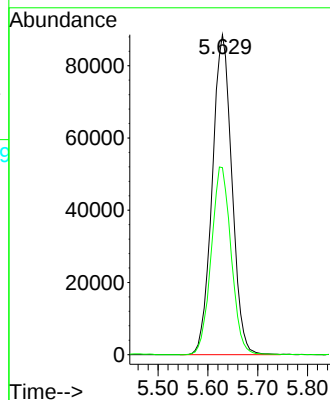
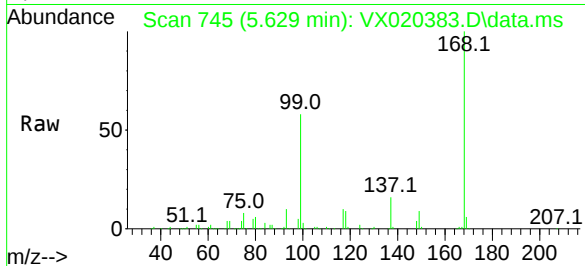




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

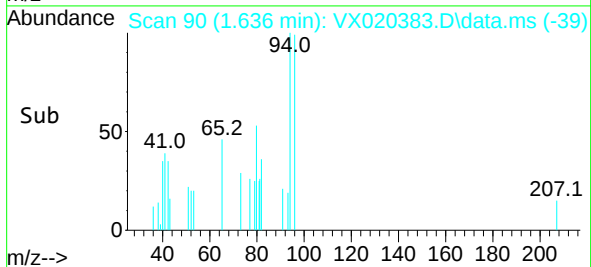
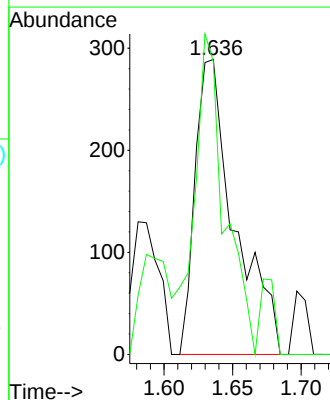
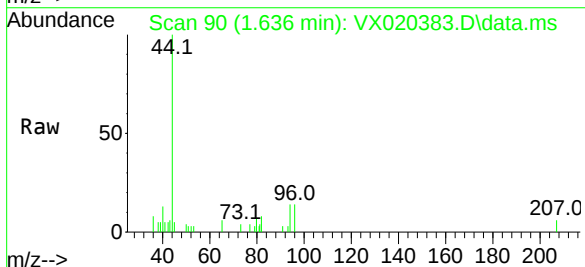
Instrument :
MSVOA_X
ClientSampled :

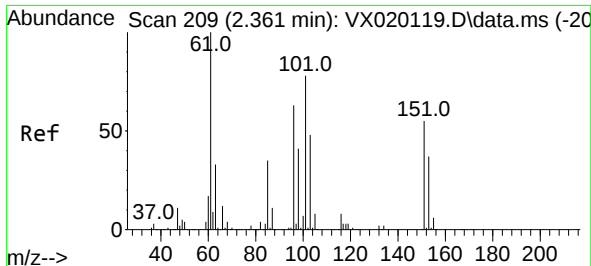
Tgt Ion:168 Resp: 242928
Ion Ratio Lower Upper
168 100
99 58.5 45.8 68.6



#5
Bromomethane
Concen: 0.54 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

Tgt Ion: 94 Resp: 580
Ion Ratio Lower Upper
94 100
96 99.3 76.4 114.6

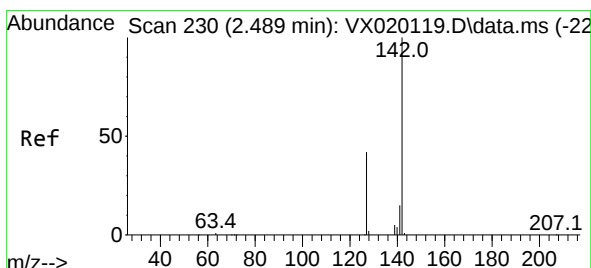
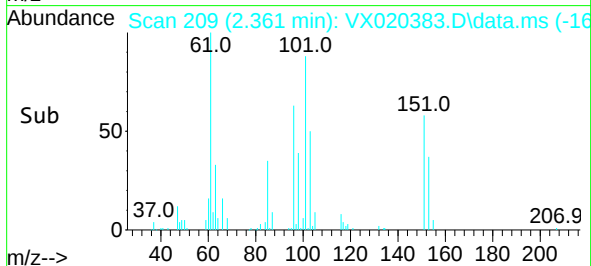
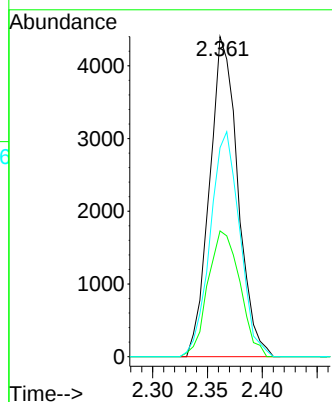
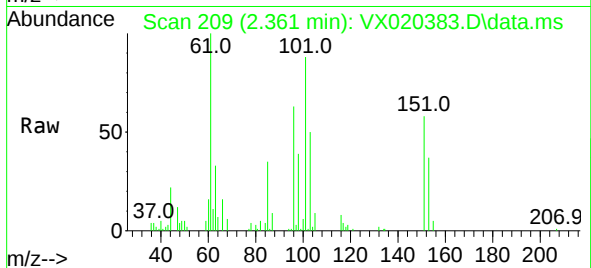




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.25 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

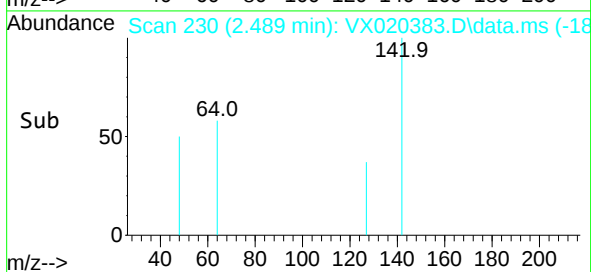
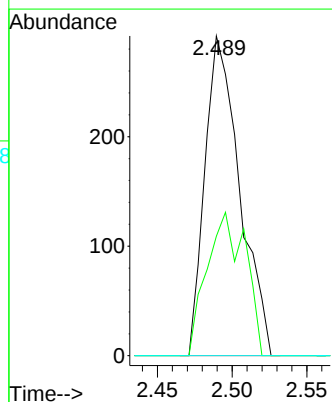
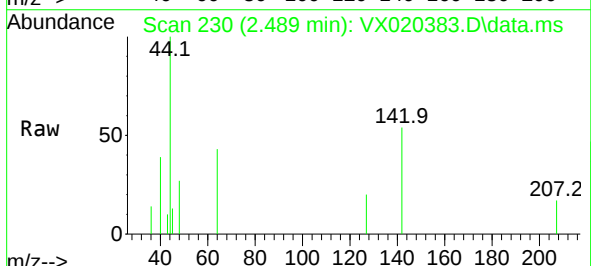
Instrument :
MSVOA_X
ClientSampled :

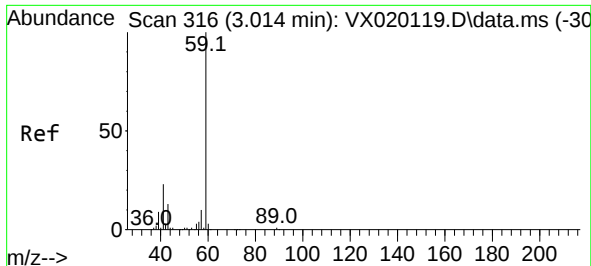
Tgt Ion:101 Resp: 7889
Ion Ratio Lower Upper
101 100
85 44.4 34.9 52.3
151 73.3 61.4 92.2



#10
Methyl Iodide
Concen: 3.42 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

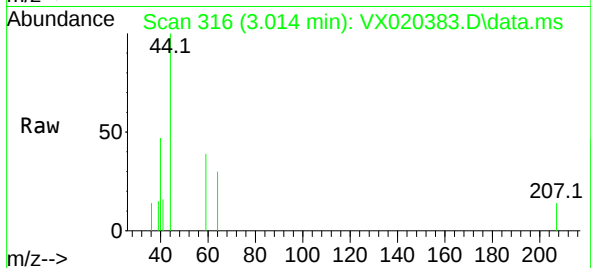
Tgt Ion:142 Resp: 472
Ion Ratio Lower Upper
142 100
127 49.6 33.3 49.9
141 0.0 11.4 17.0#



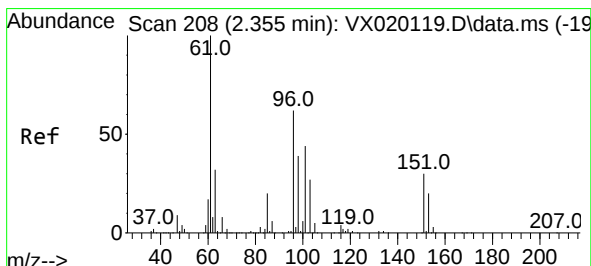
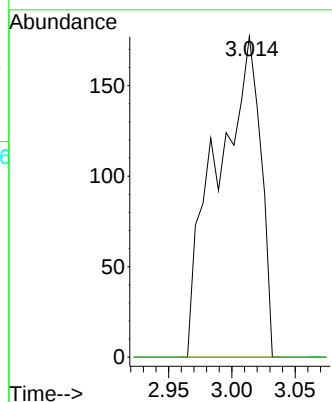
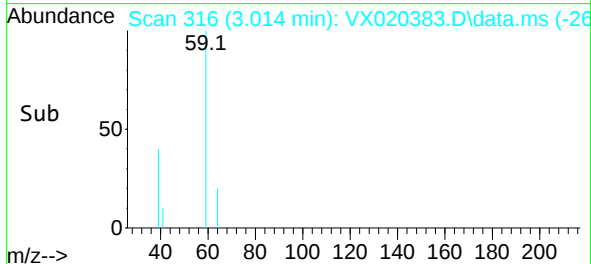


#11
Tert butyl alcohol
Concen: 0.58 ug/l
RT: 3.014 min Scan# 316
Delta R.T. -0.000 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

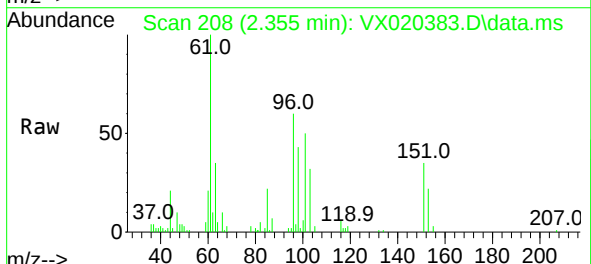
Instrument :
MSVOA_X
ClientSampled :



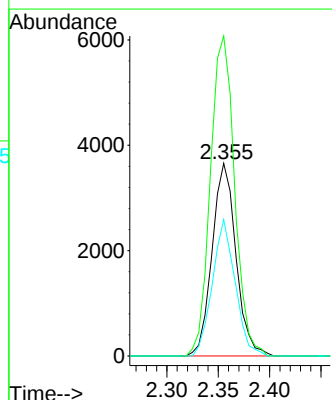
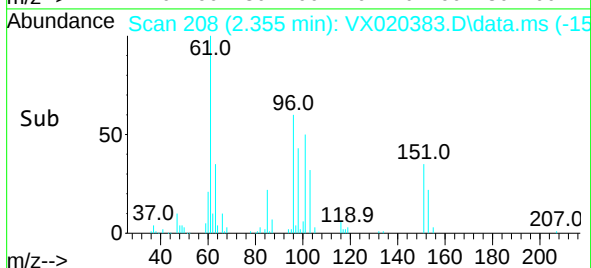
Tgt Ion: 59 Resp: 424
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

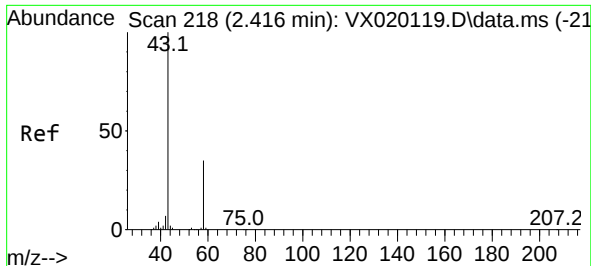


#12
1,1-Dichloroethene
Concen: 2.38 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25



Tgt Ion: 96 Resp: 5894
Ion Ratio Lower Upper
96 100
61 166.1 124.6 187.0
98 70.7 50.6 76.0

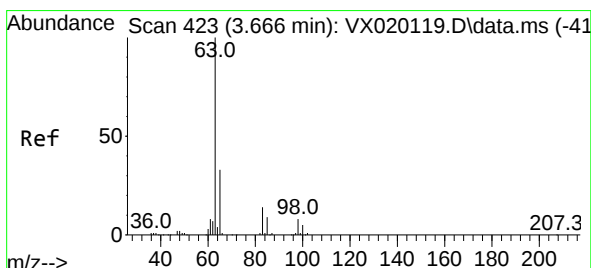
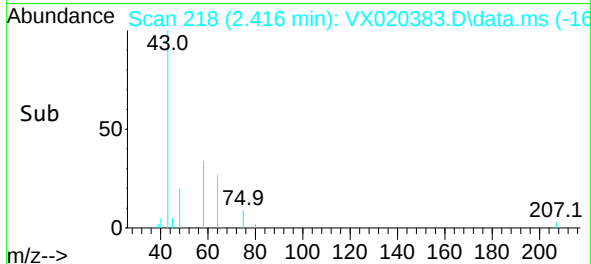
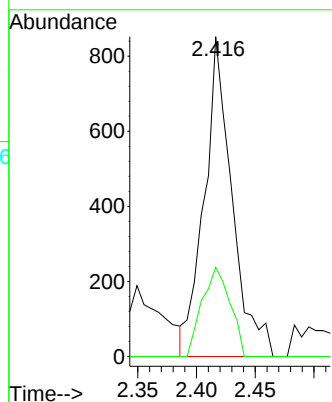
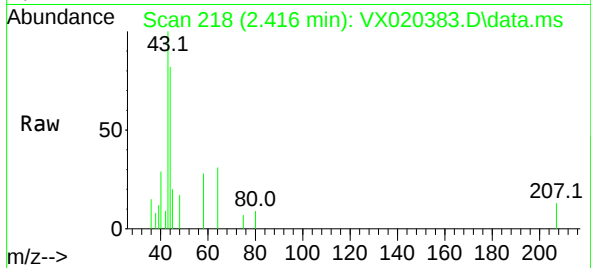




#16
Acetone
Concen: 0.94 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

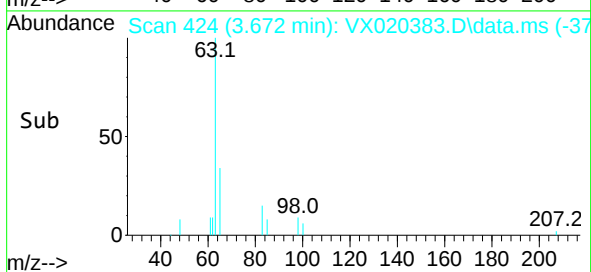
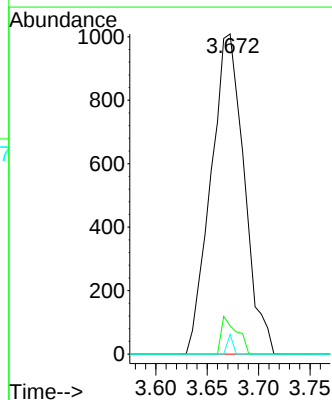
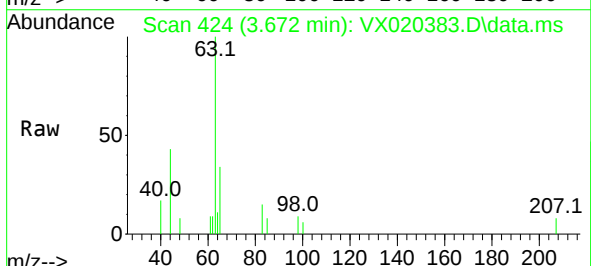
Instrument :
MSVOA_X
ClientSampled :

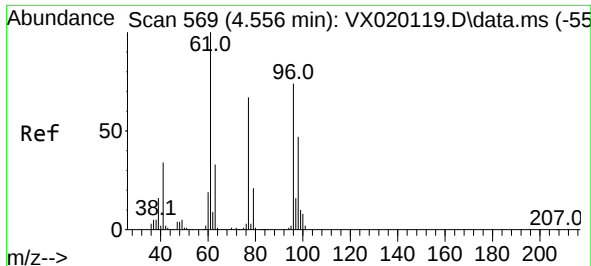
Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
58 27.9 27.8 41.8



#24
1,1-Dichloroethane
Concen: 0.43 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

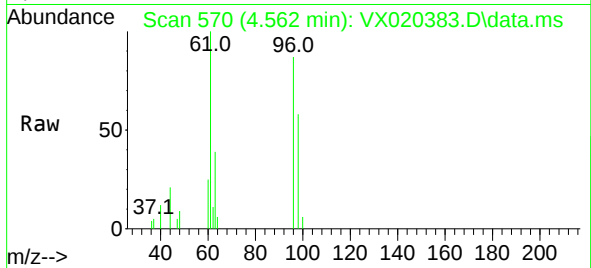
Tgt Ion: 63 Resp: 2270
Ion Ratio Lower Upper
63 100
98 8.8 3.8 11.2
100 6.1 2.5 7.5



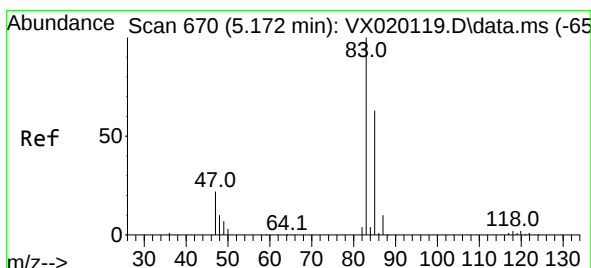
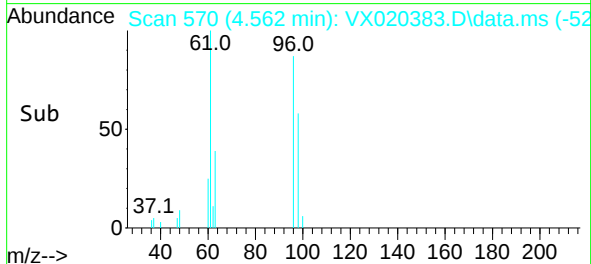
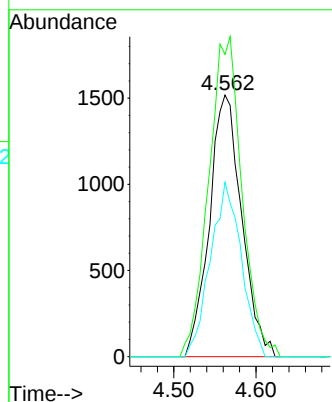


#27
cis-1,2-Dichloroethene
Concen: 1.22 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

Instrument :
MSVOA_X
ClientSampled :

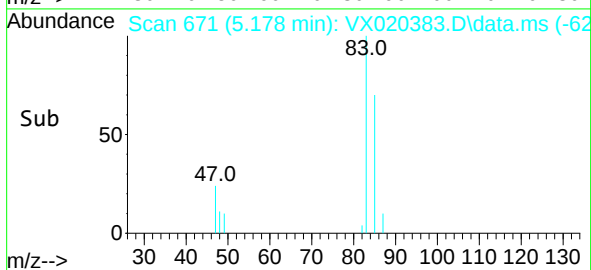
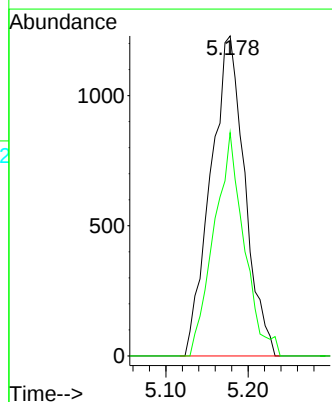
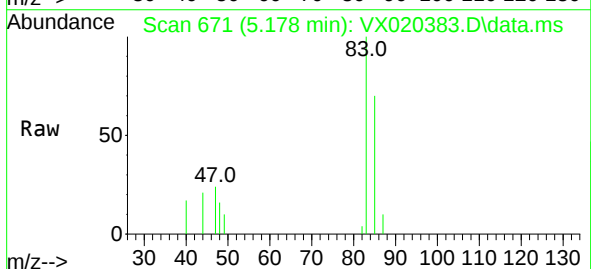


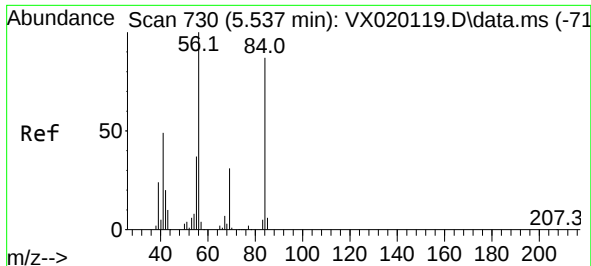
Tgt Ion: 96 Resp: 4141
Ion Ratio Lower Upper
96 100
61 126.1 0.0 285.6
98 63.8 0.0 129.6



#30
Chloroform
Concen: 0.66 ug/l
RT: 5.178 min Scan# 671
Delta R.T. 0.006 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

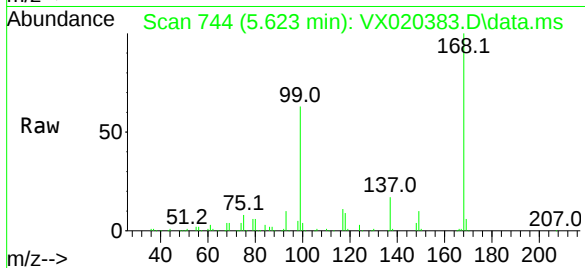
Tgt Ion: 83 Resp: 3538
Ion Ratio Lower Upper
83 100
85 69.8 52.0 78.0



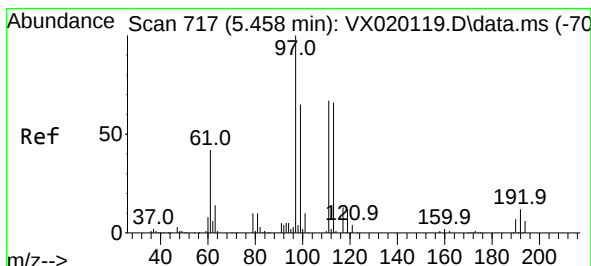
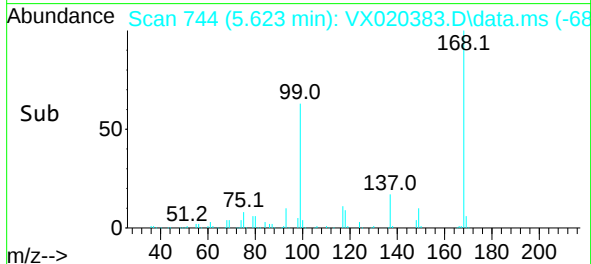
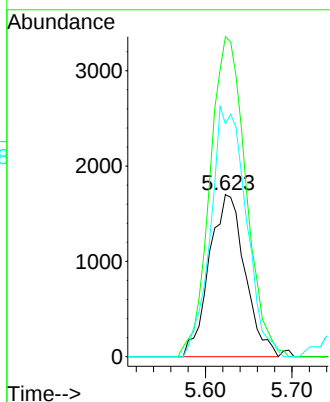


#31
Cyclohexane
Concen: 1.08 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

Instrument :
MSVOA_X
ClientSampleId :

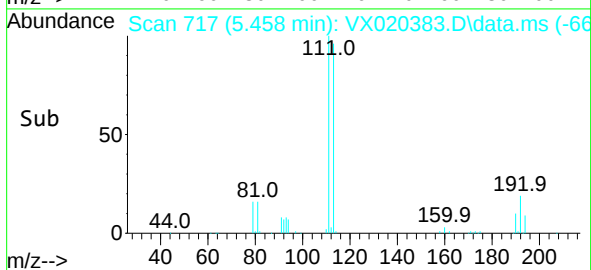
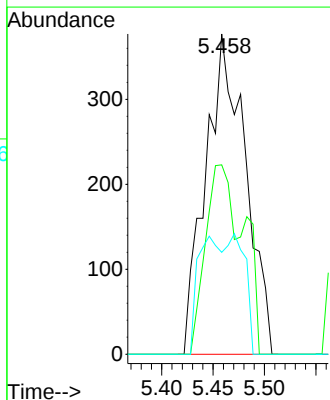
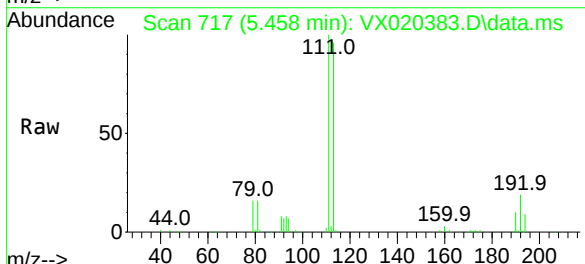


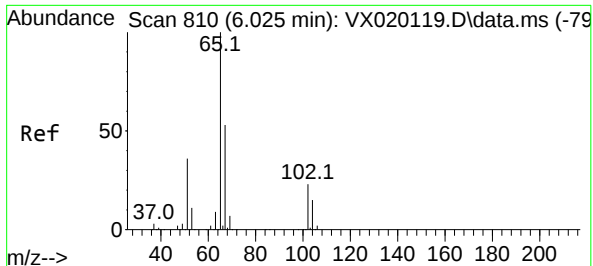
Tgt Ion: 56 Resp: 4855
Ion Ratio Lower Upper
56 100
69 197.4 25.3 37.9#
84 143.9 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 0.23 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

Tgt Ion: 97 Resp: 1016
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 22.5 34.2 51.4#





#33

1,2-Dichloroethane-d4

Concen: 50.49 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020383.D

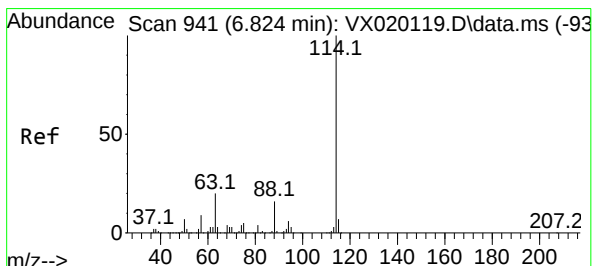
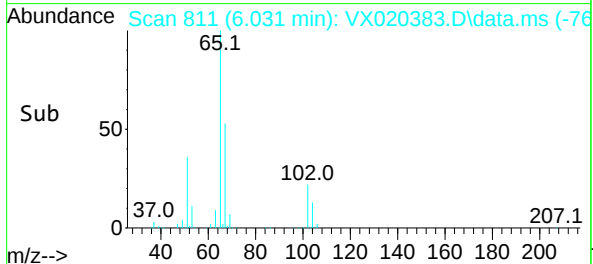
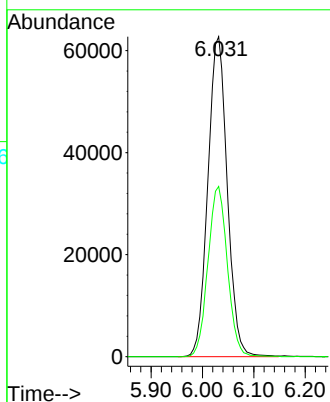
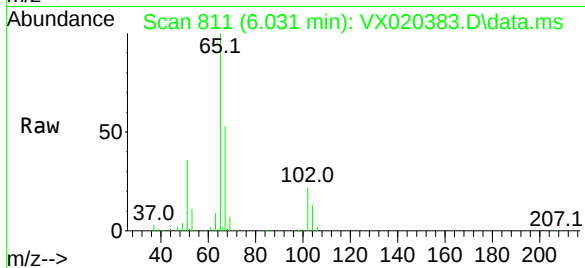
Acq: 24 Dec 2020 13:25

Tgt Ion: 65 Resp: 164422

Ion Ratio Lower Upper

65 100

67 53.4 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: VX020383.D

Acq: 24 Dec 2020 13:25

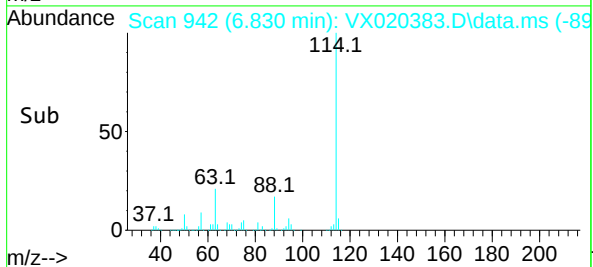
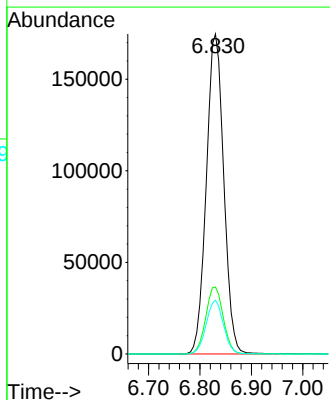
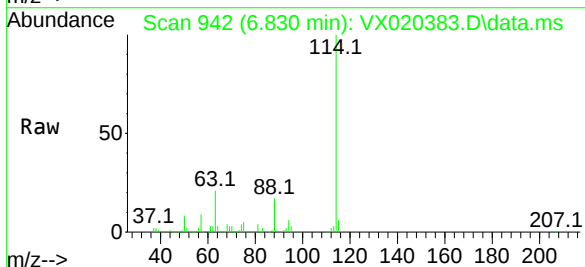
Tgt Ion: 114 Resp: 411109

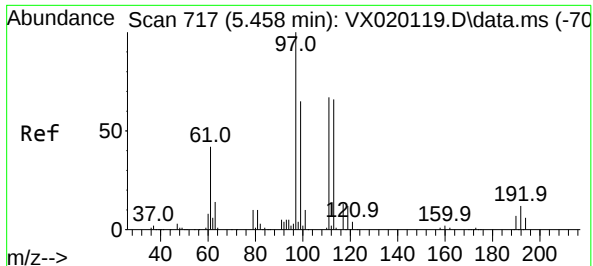
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

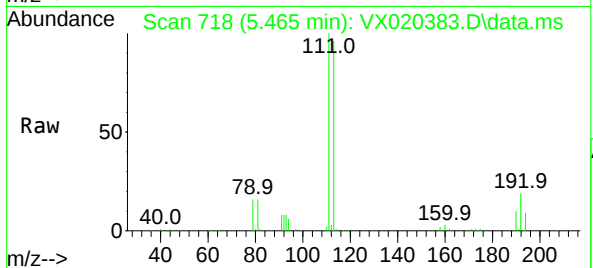
88 16.8 0.0 32.8



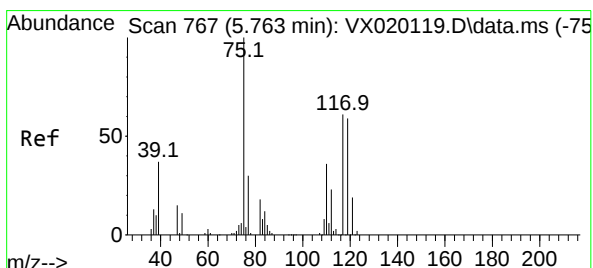
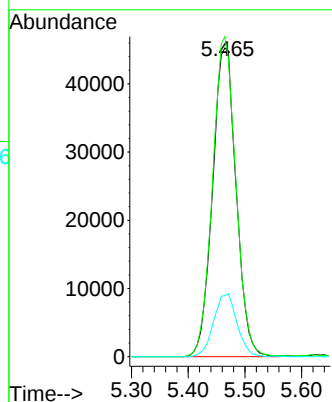
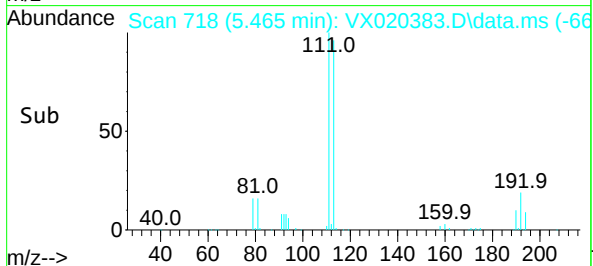


#35
Dibromofluoromethane
Concen: 49.90 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.007 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

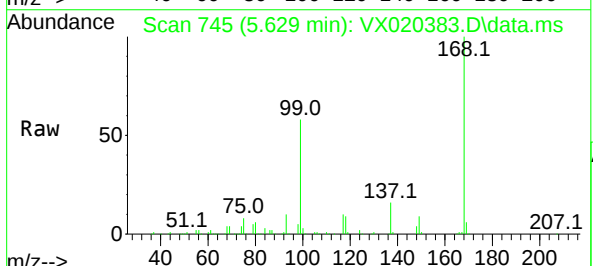
Instrument :
MSVOA_X
ClientSampled :



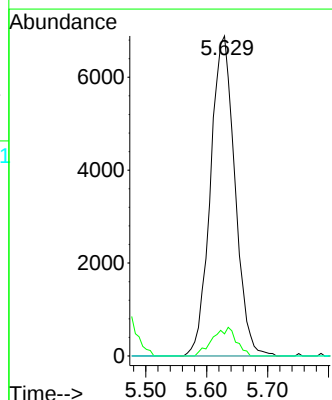
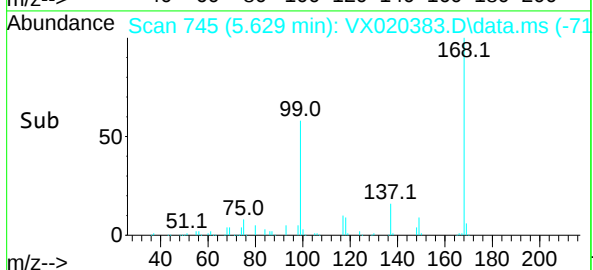
Tgt Ion:113 Resp: 131240
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 20.1 16.7 25.1

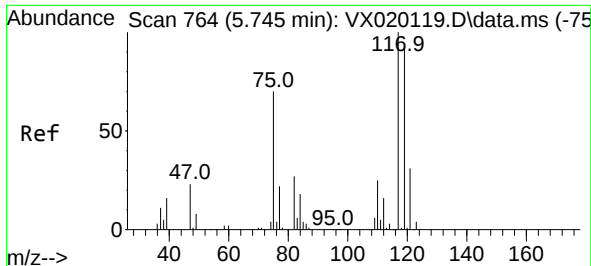


#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25



Tgt Ion: 75 Resp: 19192
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#

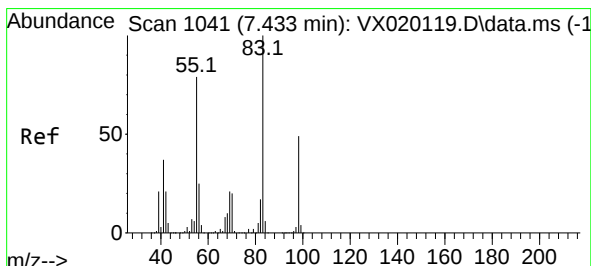
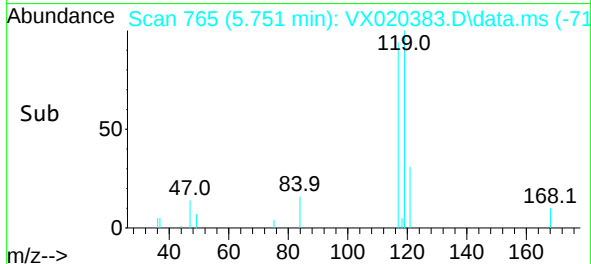
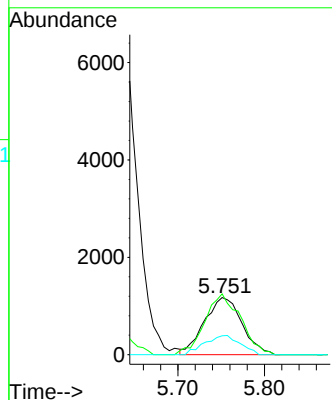
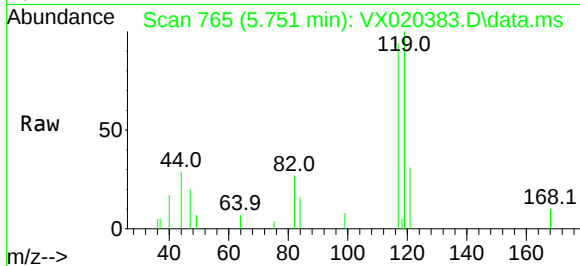




#38
Carbon Tetrachloride
Concen: 0.91 ug/l
RT: 5.751 min Scan# 765
Delta R.T. 0.006 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

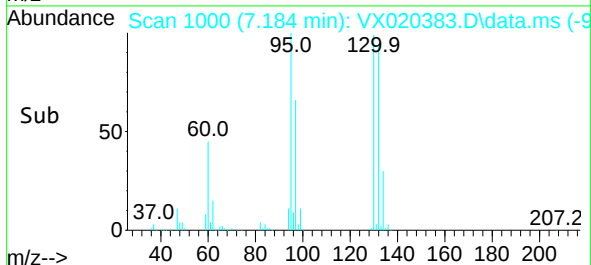
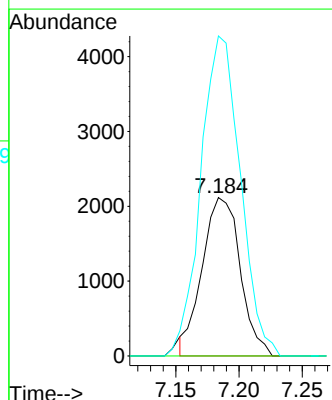
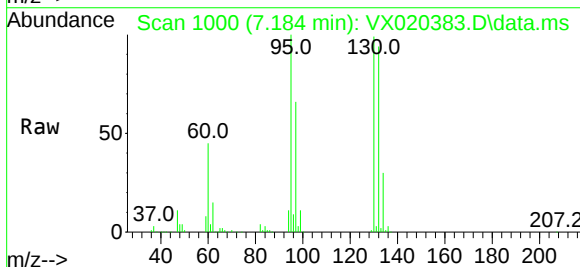
Instrument :
MSVOA_X
ClientSampled :

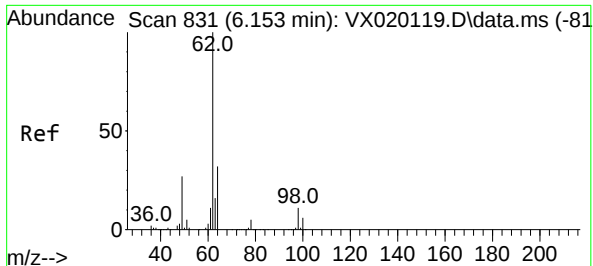
Tgt Ion:117 Resp: 3528
Ion Ratio Lower Upper
117 100
119 106.3 76.2 114.2
121 33.1 24.8 37.2



#39
Methylcyclohexane
Concen: 0.94 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.249 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

Tgt Ion: 83 Resp: 4416
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 202.0 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.21 ug/l

RT: 6.160 min Scan# 832

Delta R.T. 0.007 min

Lab File: VX020383.D

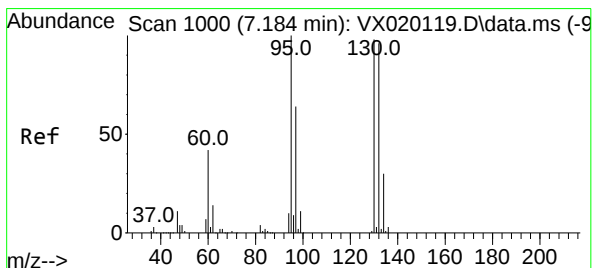
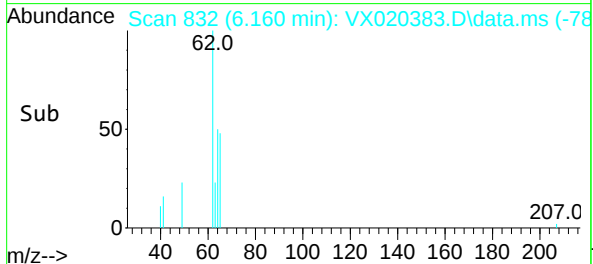
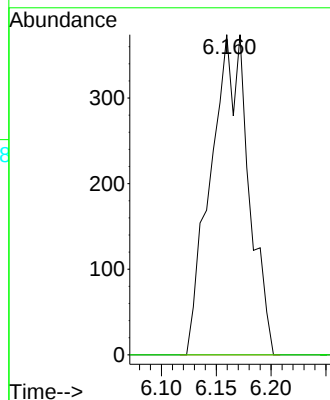
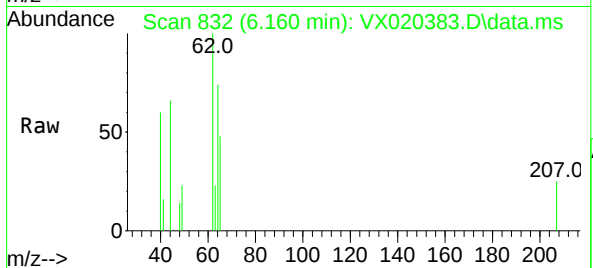
Acq: 24 Dec 2020 13:25

Tgt Ion: 62 Resp: 898

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 112.09 ug/l

RT: 7.190 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VX020383.D

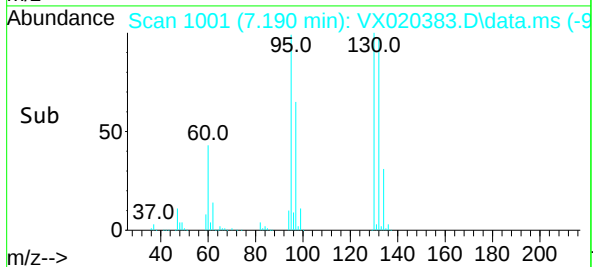
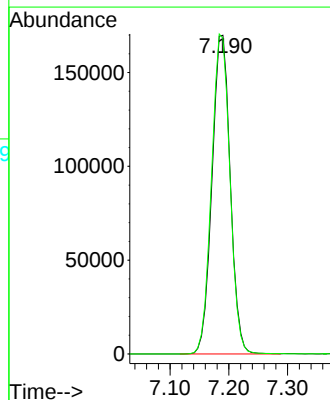
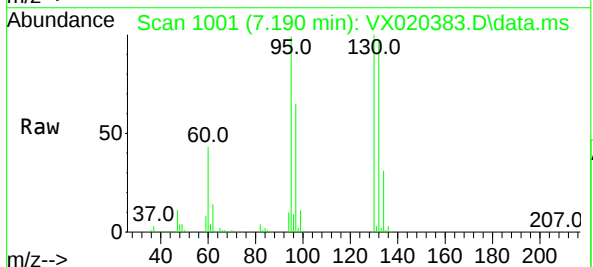
Acq: 24 Dec 2020 13:25

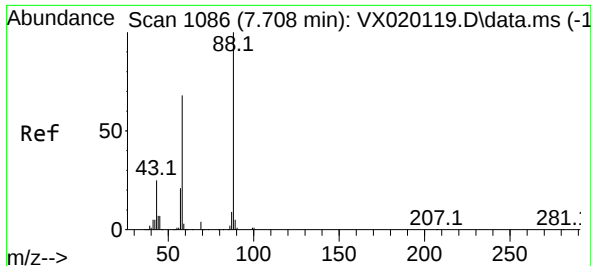
Tgt Ion: 130 Resp: 366466

Ion Ratio Lower Upper

130 100

95 99.0 0.0 198.0

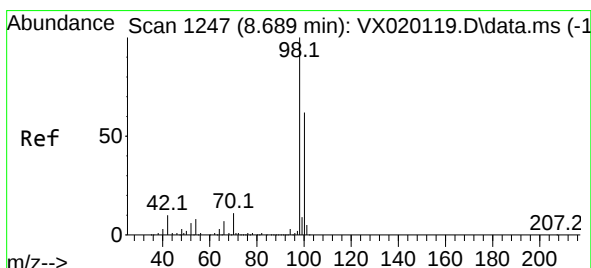
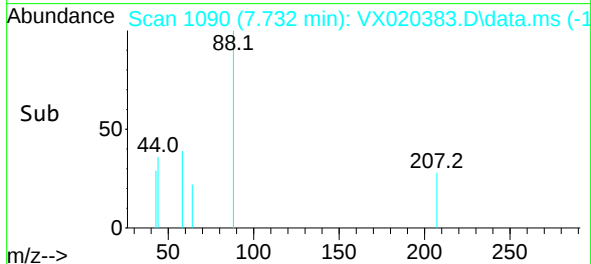
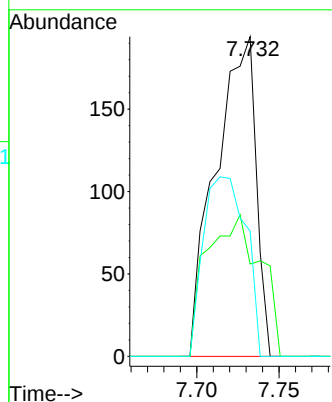
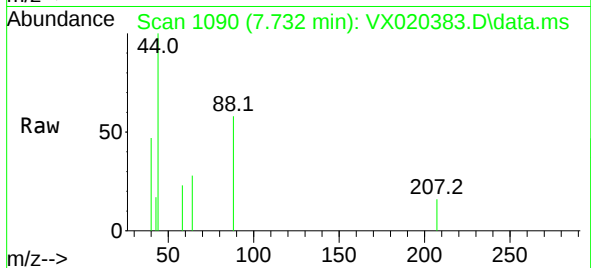




#49
1,4-Dioxane
Concen: 4.32 ug/l
RT: 7.732 min Scan# 1090
Delta R.T. 0.024 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

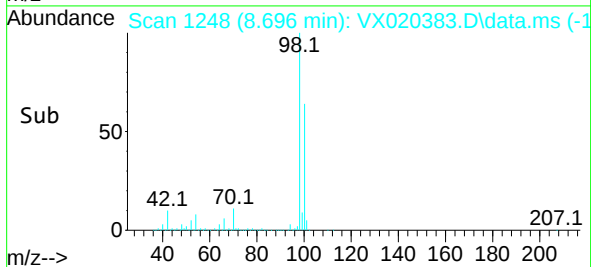
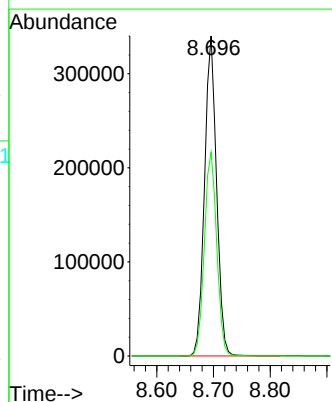
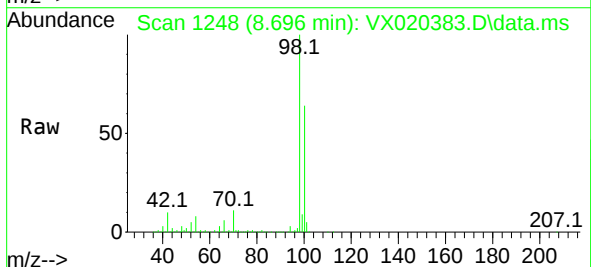
Instrument :
MSVOA_X
ClientSampled :

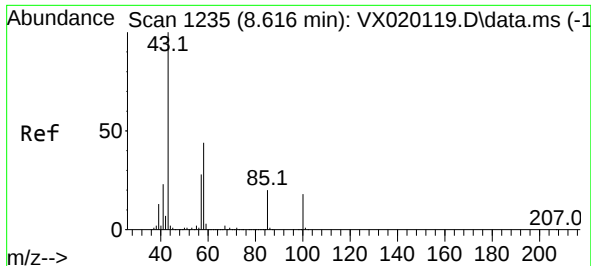
Tgt Ion: 88 Resp: 330
Ion Ratio Lower Upper
88 100
43 58.5 23.2 34.8#
58 59.4 55.0 82.4



#50
Toluene-d8
Concen: 49.53 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

Tgt Ion: 98 Resp: 501378
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

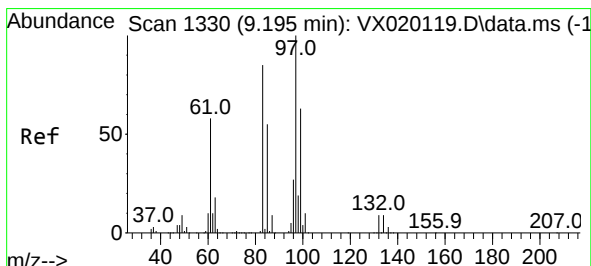
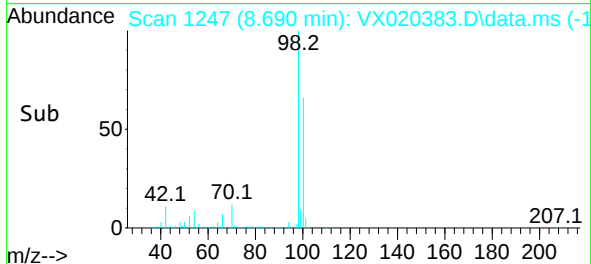
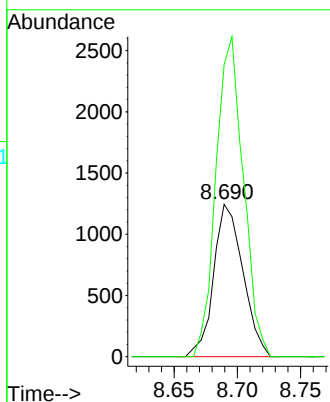
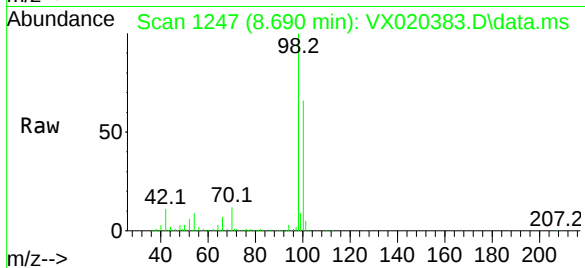




#51
4-Methyl-2-Pentanone
Concen: 0.49 ug/l
RT: 8.690 min Scan# 1247
Delta R.T. 0.074 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

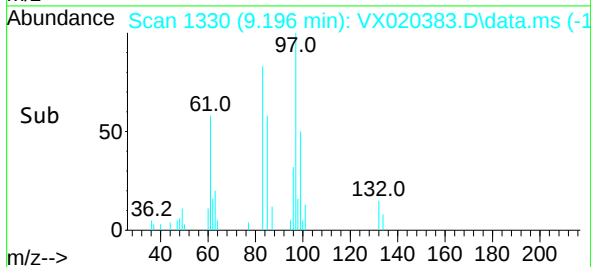
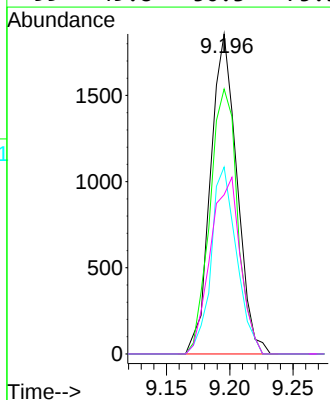
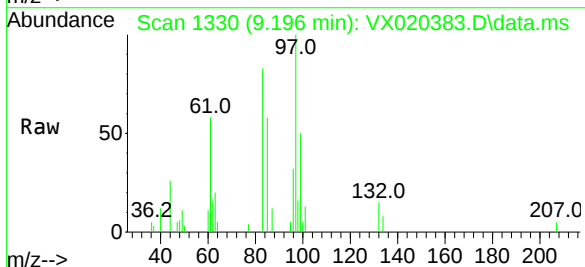
Instrument :
MSVOA_X
ClientSampled :

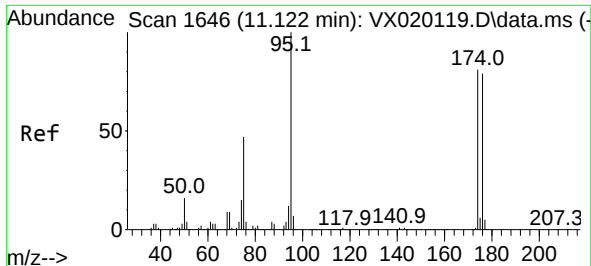
Tgt Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
58 196.2 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.85 ug/l
RT: 9.196 min Scan# 1330
Delta R.T. 0.001 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

Tgt Ion: 97 Resp: 2693
Ion Ratio Lower Upper
97 100
83 82.8 69.3 103.9
85 58.4 44.3 66.5
99 49.8 50.3 75.5#

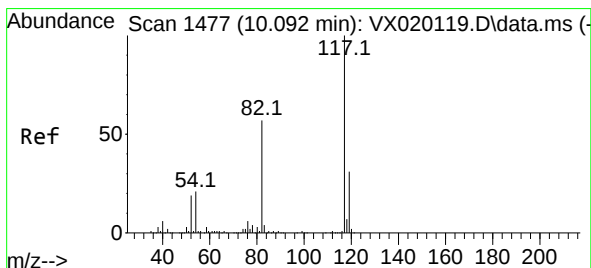
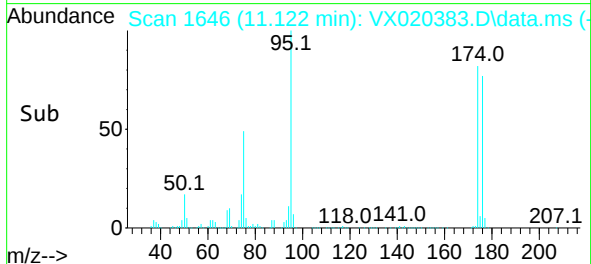
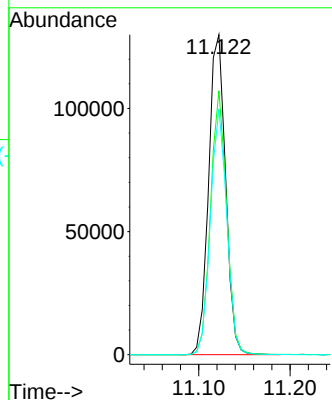
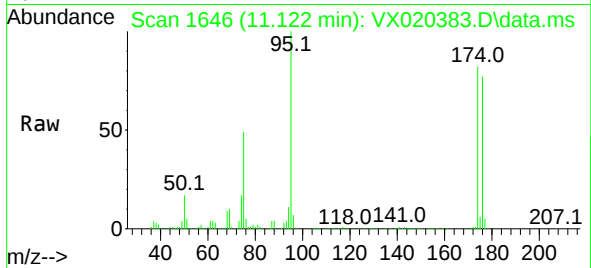




#62
4-Bromofluorobenzene
Concen: 43.16 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

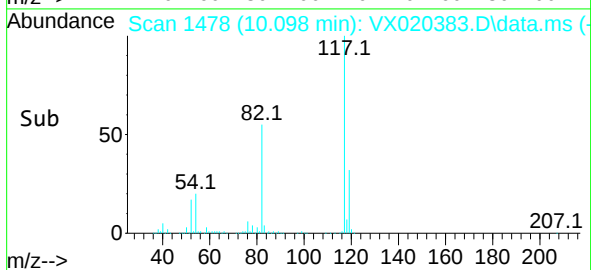
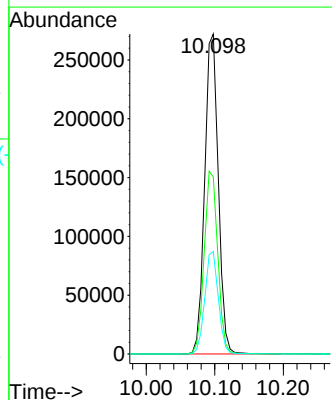
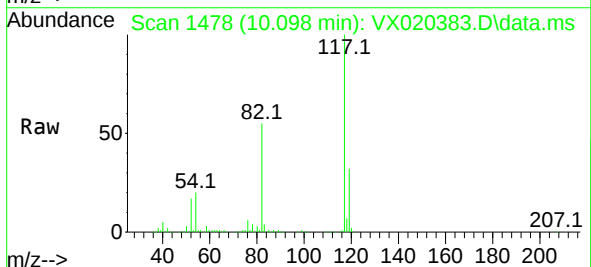
Instrument :
MSVOA_X
ClientSampleId :

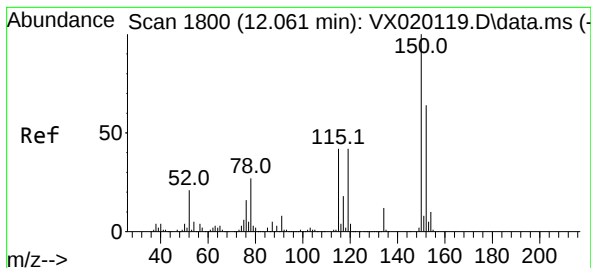
Tgt Ion: 95 Resp: 167233
Ion Ratio Lower Upper
95 100
174 78.9 0.0 154.6
176 74.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

Tgt Ion: 117 Resp: 376080
Ion Ratio Lower Upper
117 100
82 55.3 47.4 71.2
119 32.0 26.6 39.8

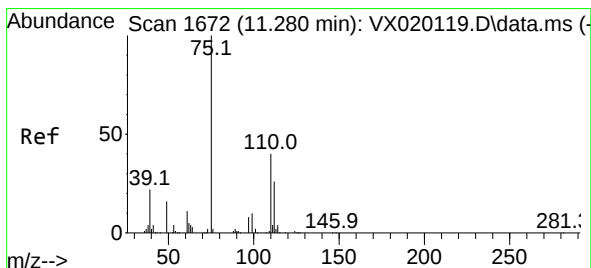
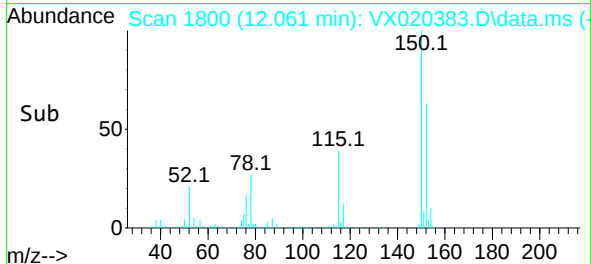
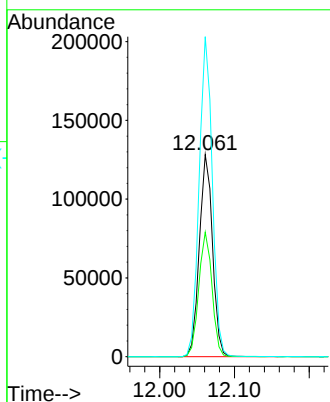
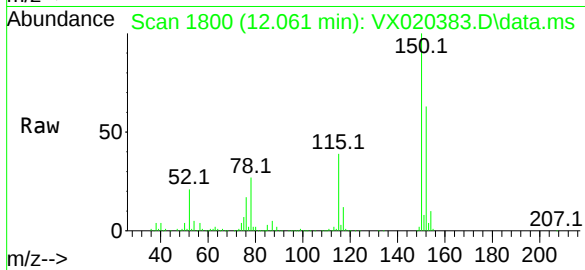




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

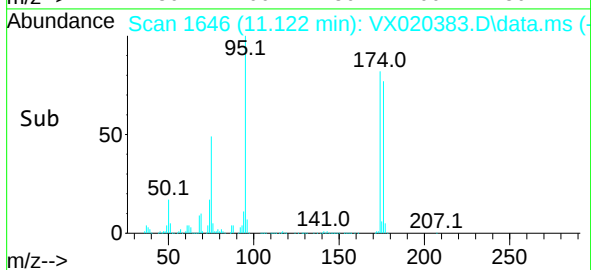
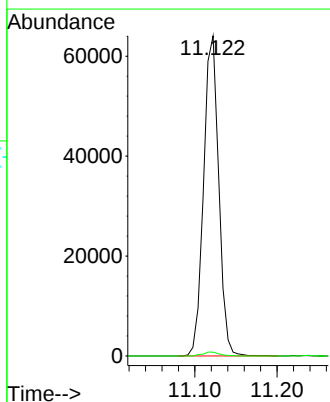
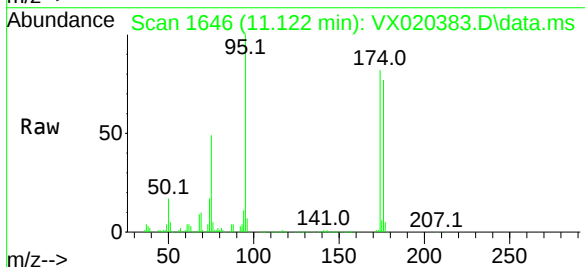
Instrument :
MSVOA_X
ClientSampled :

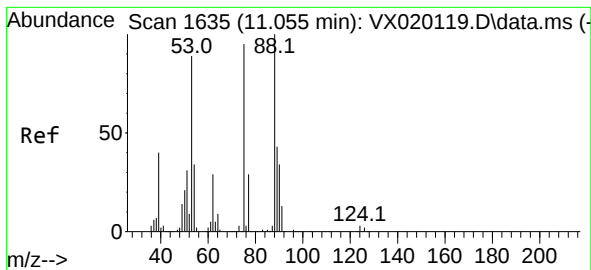
Tgt Ion:152 Resp: 157234
Ion Ratio Lower Upper
152 100
115 61.6 41.1 123.3
150 157.7 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 21.14 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020383.D
Acq: 24 Dec 2020 13:25

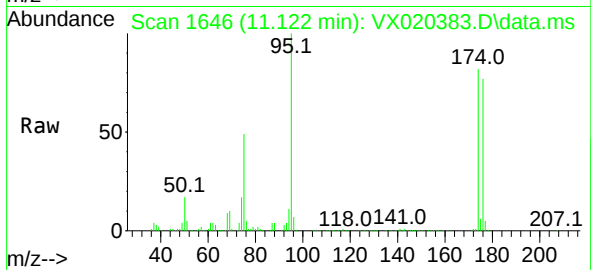
Tgt Ion: 75 Resp: 81863
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.71 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020383.D
 Acq: 24 Dec 2020 13:25

Instrument :
 MSVOA_X
 ClientSampleId :



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

