

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122420\
 Data File : VX020390.D
 Acq On : 24 Dec 2020 16:09
 Operator : JC/MD
 Sample : L5123-12DL 2X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 25 01:14:18 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)

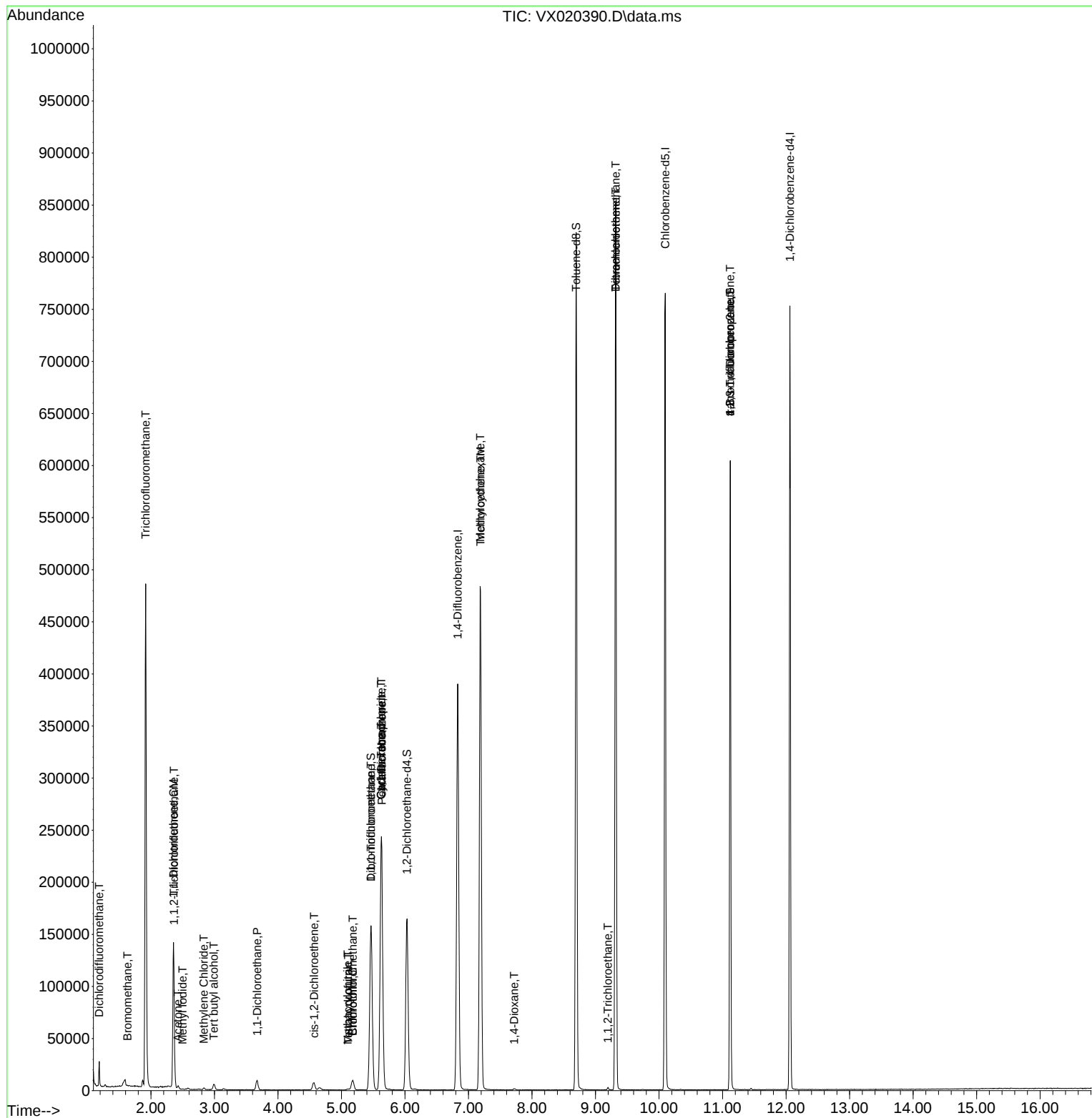
Internal Standards						
1) Pentafluorobenzene	5.635	168	229684	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.830	114	389693	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	359477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	150664	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	157266	51.08	ug/l	0.00
Spiked Amount 50.000	Range	61 - 141	Recovery	= 102.16%		
35) Dibromofluoromethane	5.464	113	124711	50.03	ug/l	0.00
Spiked Amount 50.000	Range	69 - 133	Recovery	= 100.06%		
50) Toluene-d8	8.695	98	475059	49.51	ug/l	0.00
Spiked Amount 50.000	Range	65 - 126	Recovery	= 99.02%		
62) 4-Bromofluorobenzene	11.122	95	160043	43.58	ug/l	0.00
Spiked Amount 50.000	Range	58 - 135	Recovery	= 87.16%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.185	85	11753	4.71	ug/l	99
5) Bromomethane	1.630	94	470	0.47	ug/l #	61
7) Trichlorofluoromethane	1.916	101	305311	75.35	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.361	101	4602	2.01	ug/l	97
10) Methyl Iodide	2.495	142	150	3.33	ug/l #	42
11) Tert butyl alcohol	2.989	59	3192	4.63	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	44780	19.09	ug/l	99
16) Acetone	2.422	43	1235	0.88	ug/l	97
20) Methylene Chloride	2.831	84	700	0.22	ug/l	95
24) 1,1-Dichloroethane	3.672	63	10633	2.12	ug/l	98
27) cis-1,2-Dichloroethene	4.568	96	4811	1.50	ug/l	91
28) Bromochloromethane	5.178	49	837	0.38	ug/l #	9
29) Tetrahydrofuran	5.105	42	816	0.63	ug/l #	55
30) Chloroform	5.178	83	10781	2.12	ug/l	99
31) Cyclohexane	5.623	56	4592	1.08	ug/l #	1
32) 1,1,1-Trichloroethane	5.464	97	14010	3.30	ug/l	94
36) 1,1-Dichloropropene	5.629	75	18232	4.73	ug/l #	48
38) Carbon Tetrachloride	5.623	117	23470	6.41	ug/l #	17
39) Methylcyclohexane	7.184	83	2289	0.51	ug/l #	1
41) Methacrylonitrile	5.099	41	527	0.25	ug/l #	27
44) Trichloroethene	7.190	130	187944	60.65	ug/l	99
49) 1,4-Dioxane	7.720	88	857	11.82	ug/l	93
55) 1,1,2-Trichloroethane	9.195	97	636	0.21	ug/l	92
60) Dibromochloromethane	9.317	129	155028	51.78	ug/l #	11
64) Tetrachloroethene	9.317	164	163162	60.24	ug/l	97
76) 1,2,3-Trichloropropane	11.122	75	78434	21.13	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	78434	62.70	ug/l #	12

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

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Acq On : 24 Dec 2020 16:09
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 25 01:14:18 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

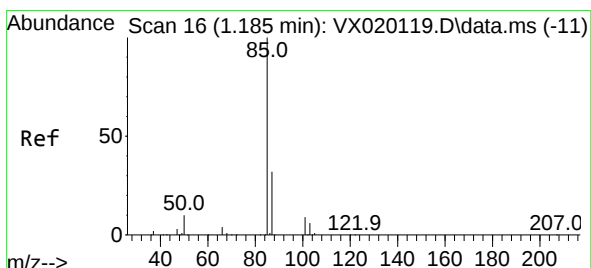
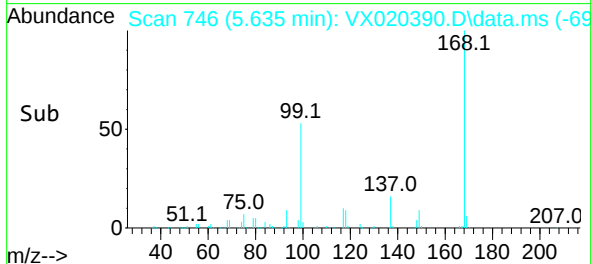
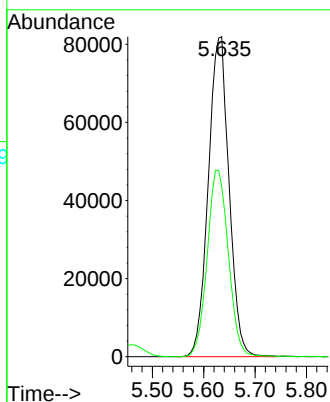
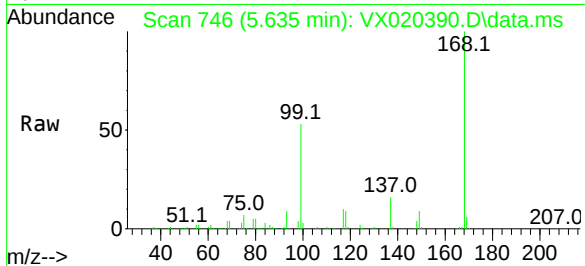




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 746
Delta R.T. 0.018 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

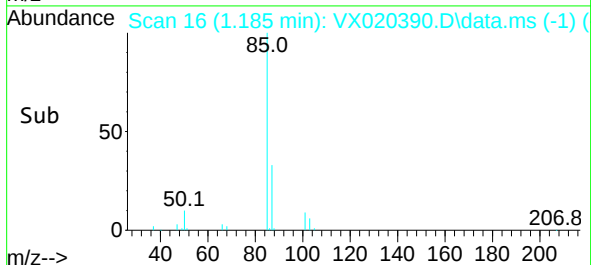
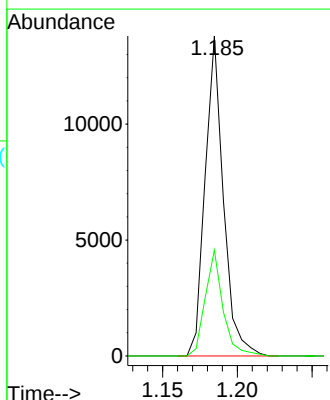
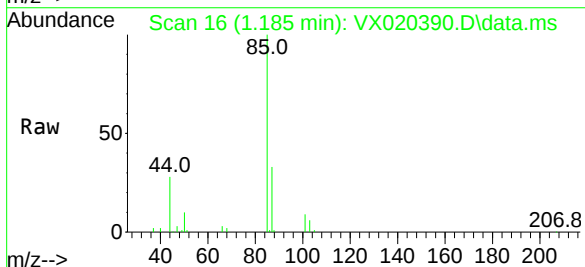
Instrument :
MSVOA_X
ClientSampled :

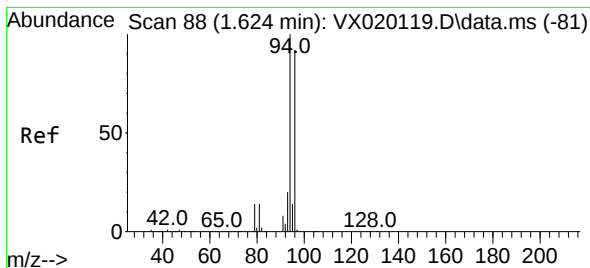
Tgt Ion:168 Resp: 229684
Ion Ratio Lower Upper
168 100
99 53.2 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 4.71 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Tgt Ion: 85 Resp: 11753
Ion Ratio Lower Upper
85 100
87 33.1 16.4 49.2





#5

Bromomethane

Concen: 0.47 ug/l

RT: 1.630 min Scan# 89

Delta R.T. 0.006 min

Lab File: VX020390.D

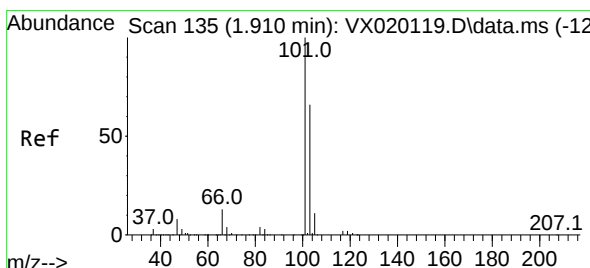
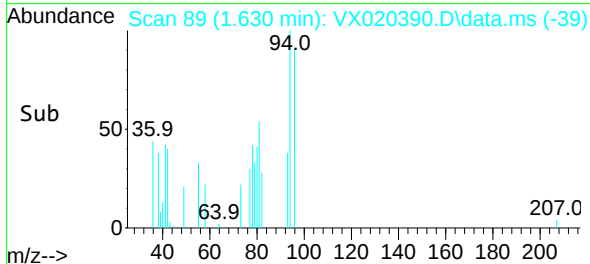
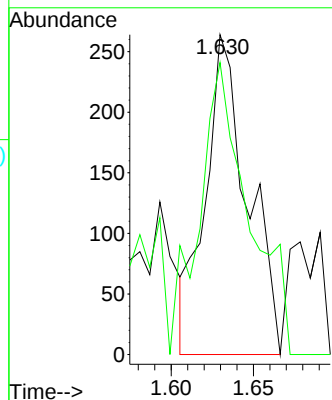
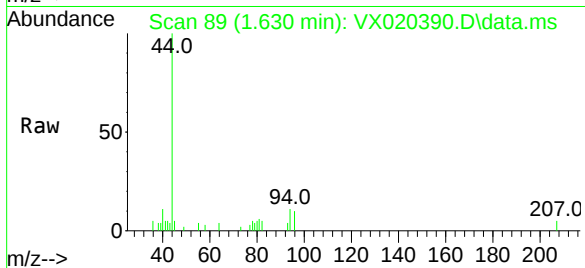
Acq: 24 Dec 2020 16:09

Tgt Ion: 94 Resp: 470

Ion Ratio Lower Upper

94 100

96 57.2 76.4 114.6#



#7

Trichlorofluoromethane

Concen: 75.35 ug/l

RT: 1.916 min Scan# 136

Delta R.T. 0.006 min

Lab File: VX020390.D

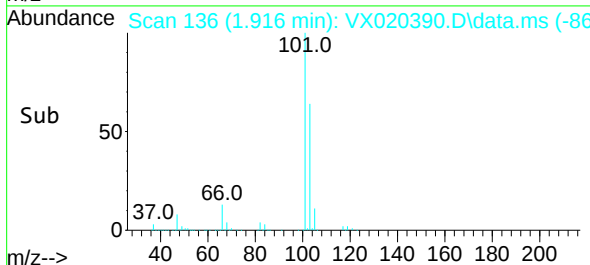
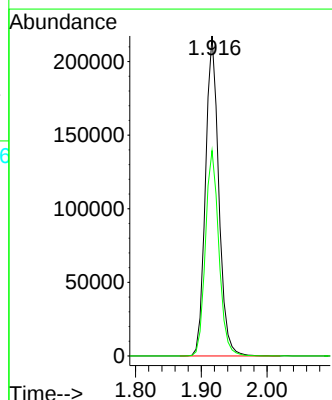
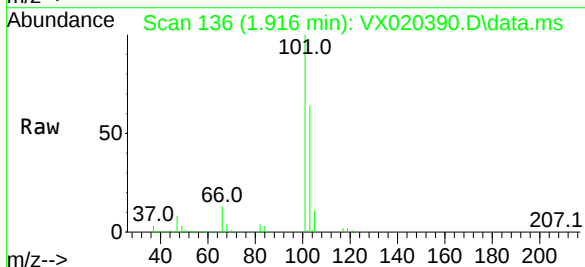
Acq: 24 Dec 2020 16:09

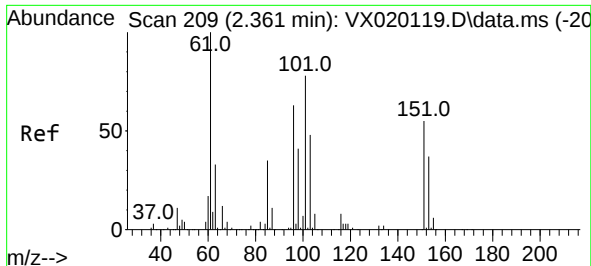
Tgt Ion: 101 Resp: 305311

Ion Ratio Lower Upper

101 100

103 64.2 53.2 79.8

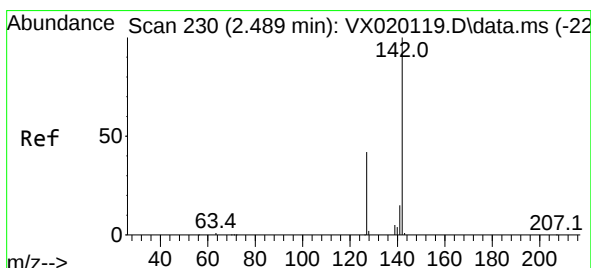
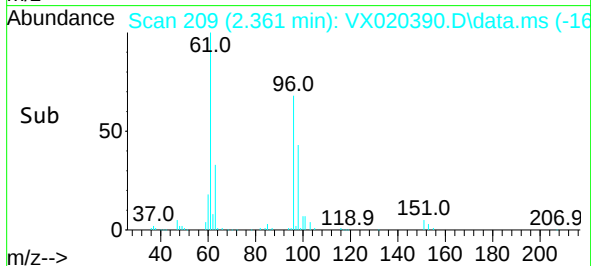
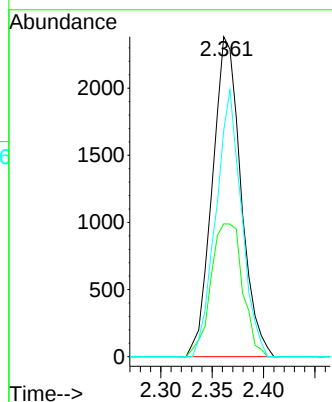
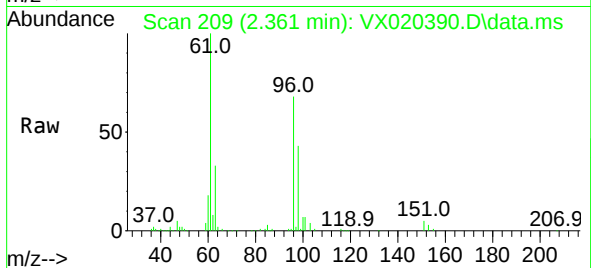




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.01 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

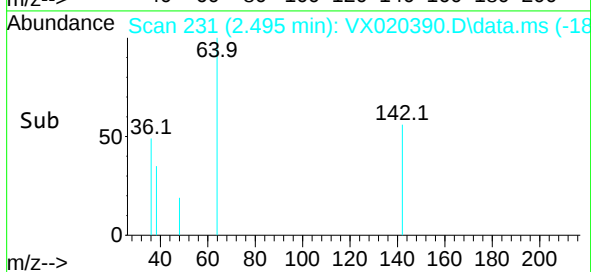
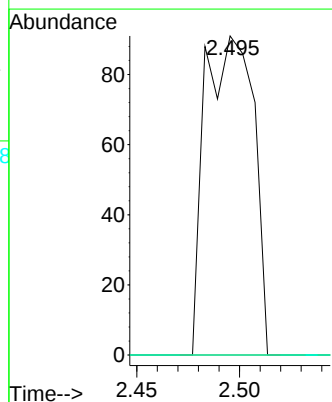
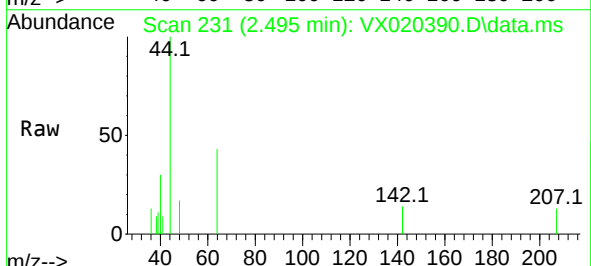
Instrument :
MSVOA_X
ClientSampled :

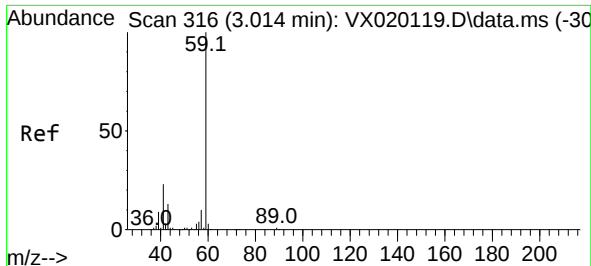
Tgt Ion:101 Resp: 4602
Ion Ratio Lower Upper
101 100
85 46.0 34.9 52.3
151 74.9 61.4 92.2



#10
Methyl Iodide
Concen: 3.33 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

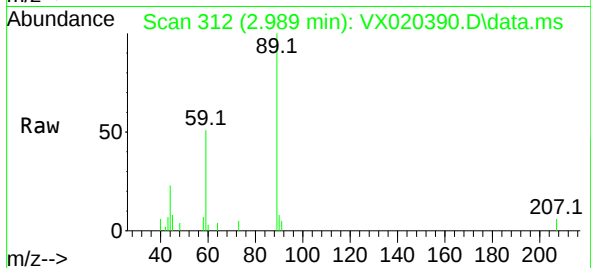
Tgt Ion:142 Resp: 150
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



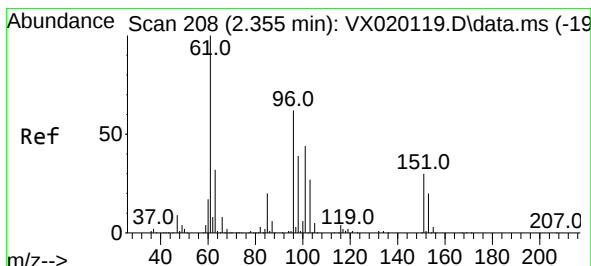
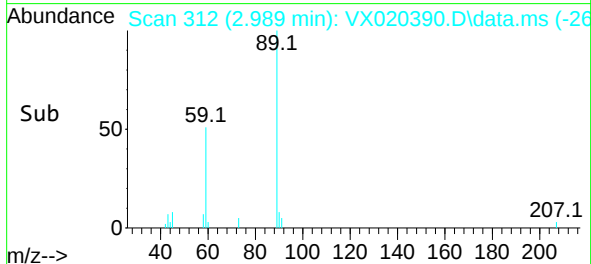
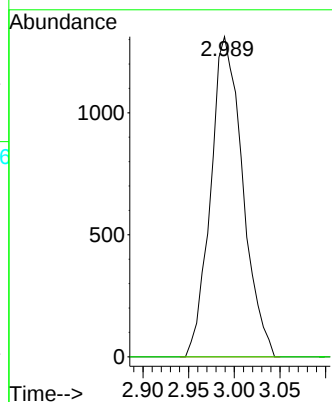


#11
Tert butyl alcohol
Concen: 4.63 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Instrument :
MSVOA_X
ClientSampled :

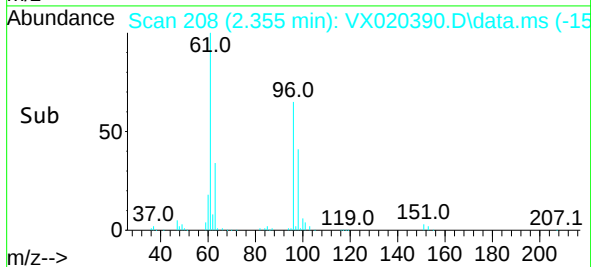
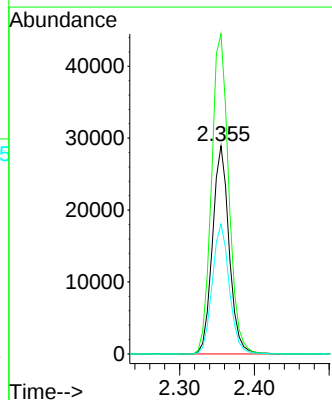
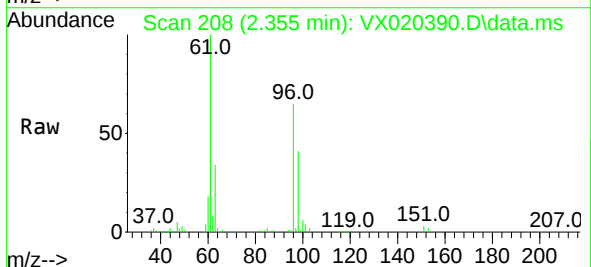


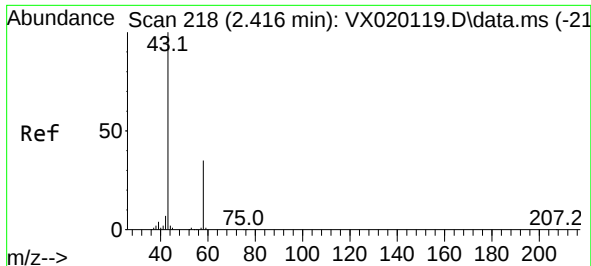
Tgt Ion: 59 Resp: 3192
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 19.09 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Tgt Ion: 96 Resp: 44780
Ion Ratio Lower Upper
96 100
61 153.8 124.6 187.0
98 62.6 50.6 76.0

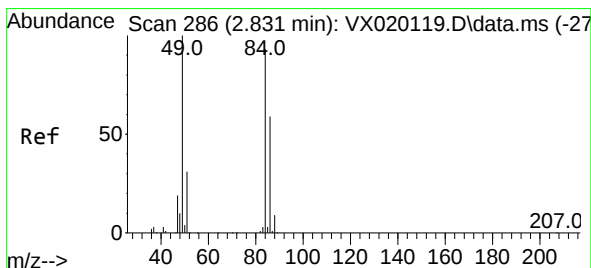
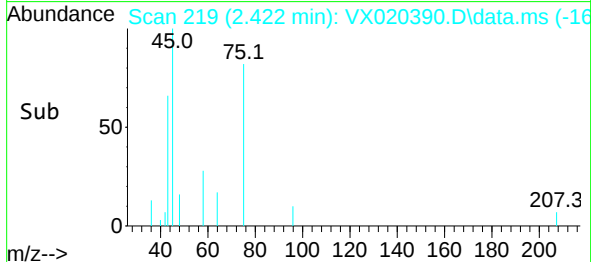
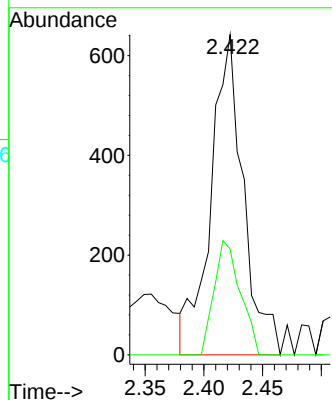
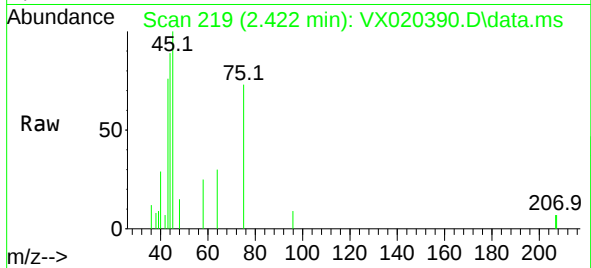




#16
Acetone
Concen: 0.88 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

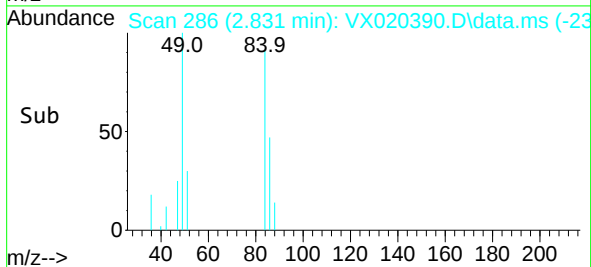
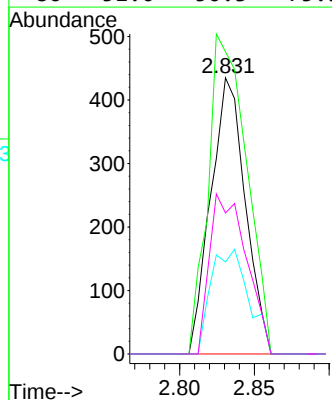
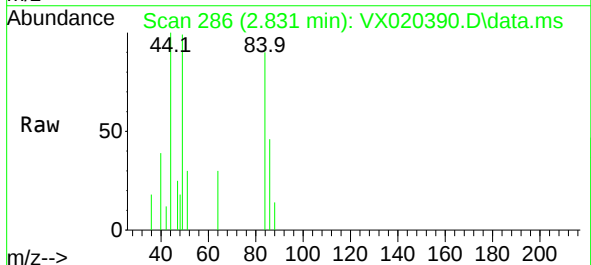
Instrument :
MSVOA_X
ClientSampled :

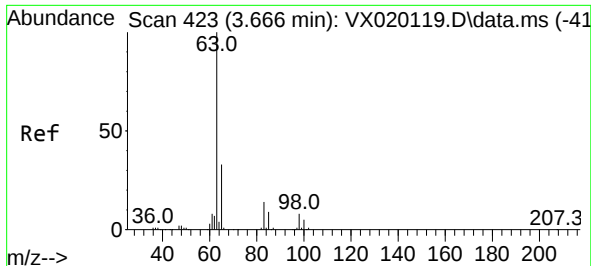
Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
58 33.0 27.8 41.8



#20
Methylene Chloride
Concen: 0.22 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

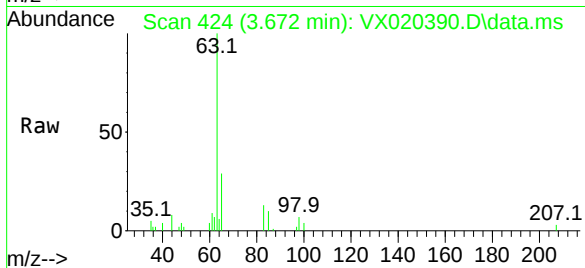
Tgt Ion: 84 Resp: 700
Ion Ratio Lower Upper
84 100
49 109.4 88.6 132.8
51 33.3 27.0 40.6
86 51.0 50.3 75.5



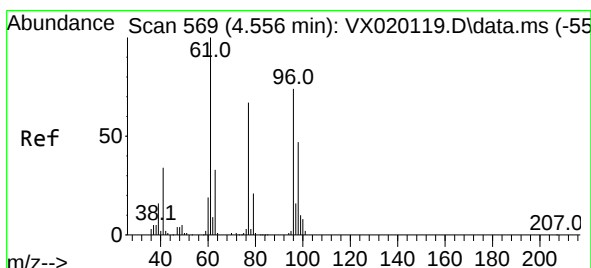
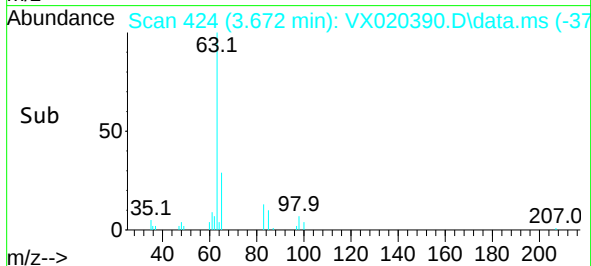
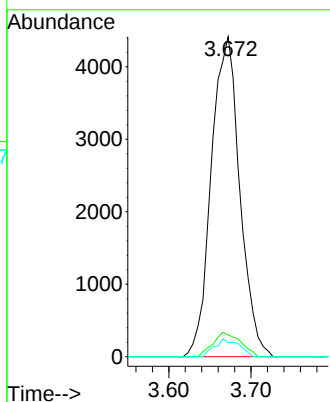


#24
1,1-Dichloroethane
Concen: 2.12 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Instrument :
MSVOA_X
ClientSampled :

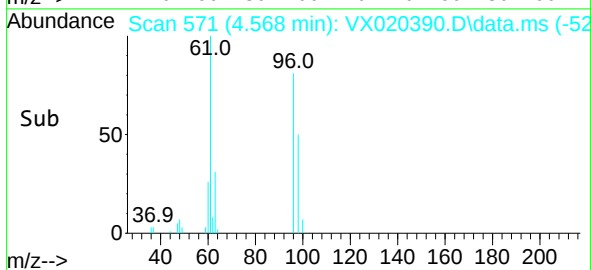
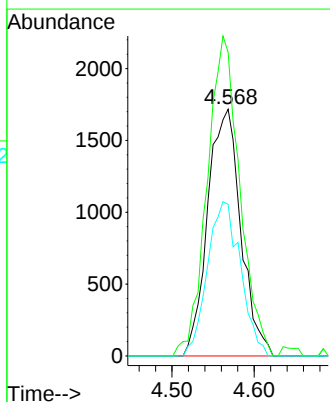
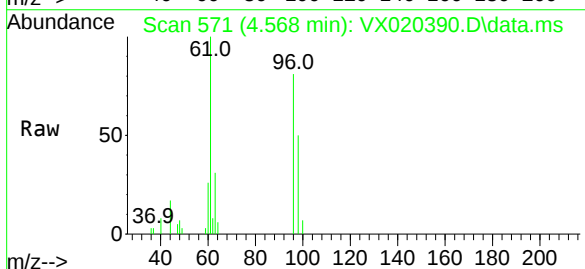


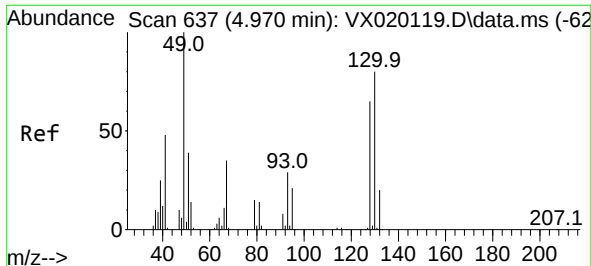
Tgt Ion: 63 Resp: 10633
Ion Ratio Lower Upper
63 100
98 6.9 3.8 11.2
100 4.4 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 1.50 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

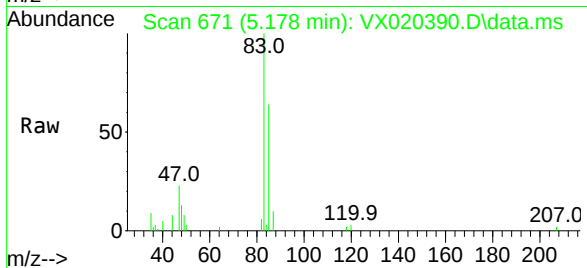
Tgt Ion: 96 Resp: 4811
Ion Ratio Lower Upper
96 100
61 127.7 0.0 285.6
98 62.3 0.0 129.6



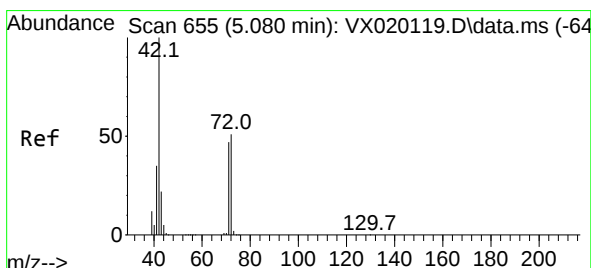
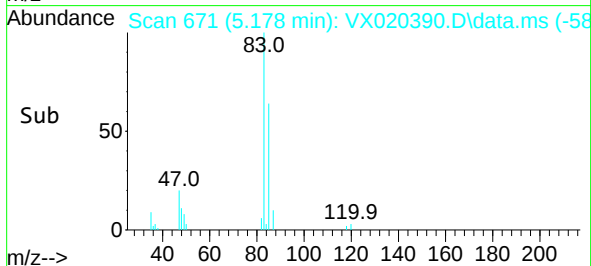
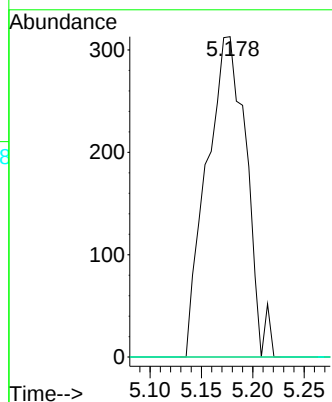


#28
Bromochloromethane
Concen: 0.38 ug/l
RT: 5.178 min Scan# 671
Delta R.T. 0.208 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Instrument :
MSVOA_X
ClientSampled :

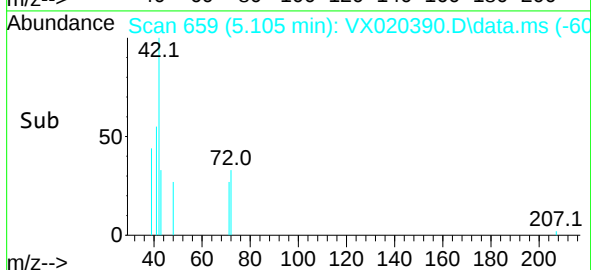
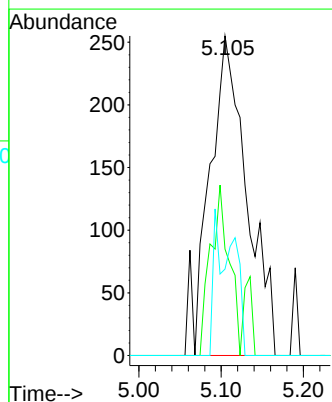
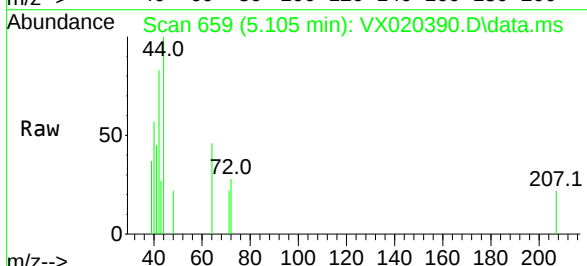


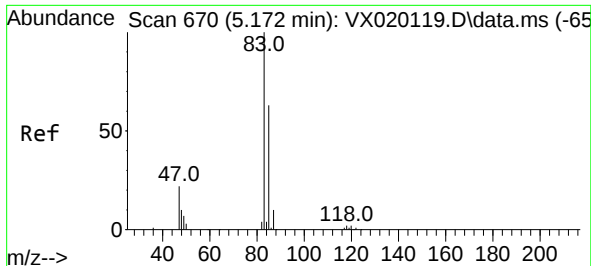
Tgt Ion: 49 Resp: 837
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#29
Tetrahydrofuran
Concen: 0.63 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.025 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Tgt Ion: 42 Resp: 816
Ion Ratio Lower Upper
42 100
72 26.3 41.7 62.5#
71 11.3 38.4 57.6#





#30

Chloroform

Concen: 2.12 ug/l

RT: 5.178 min Scan# 671

Delta R.T. 0.006 min

Lab File: VX020390.D

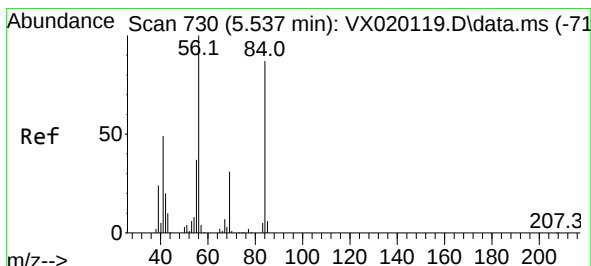
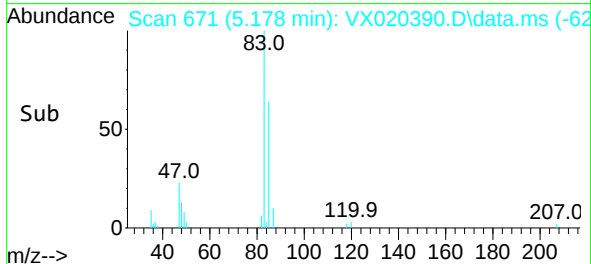
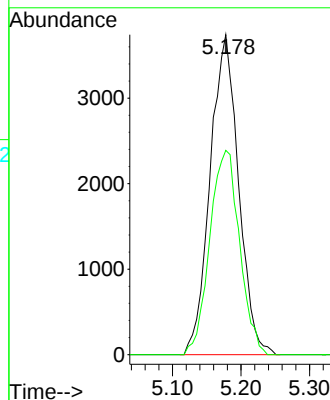
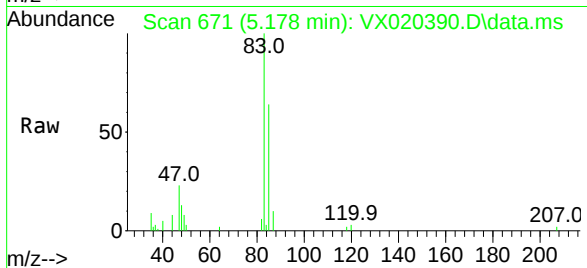
Acq: 24 Dec 2020 16:09

Tgt Ion: 83 Resp: 10781

Ion Ratio Lower Upper

83 100

85 63.8 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: VX020390.D

Acq: 24 Dec 2020 16:09

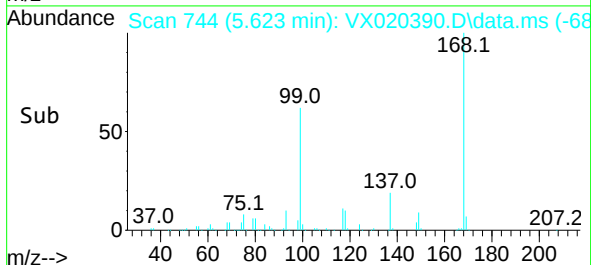
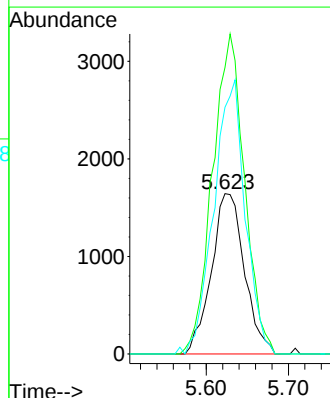
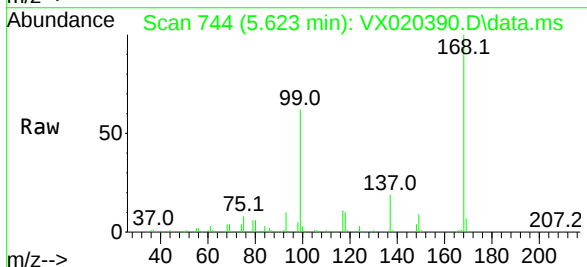
Tgt Ion: 56 Resp: 4592

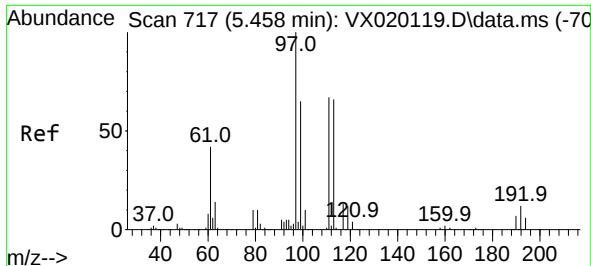
Ion Ratio Lower Upper

56 100

69 178.8 25.3 37.9#

84 153.9 71.4 107.0#

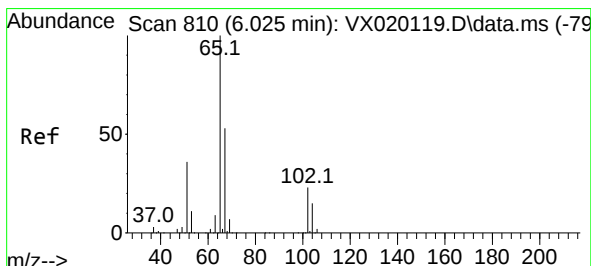
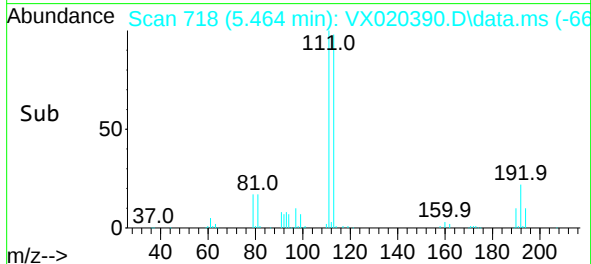
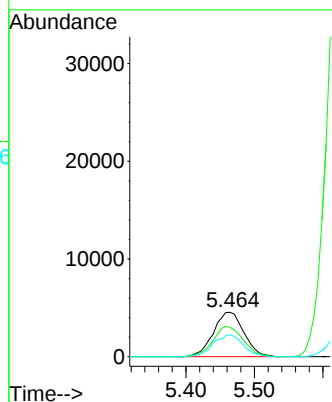
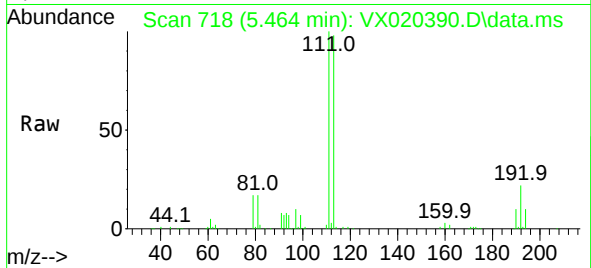




#32
1,1,1-Trichloroethane
Concen: 3.30 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

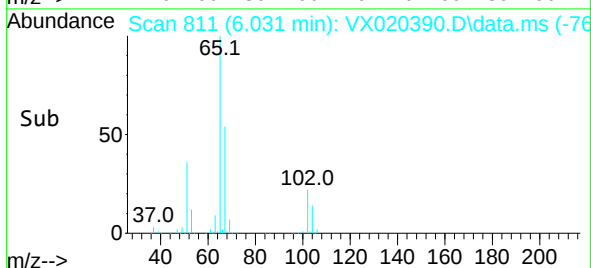
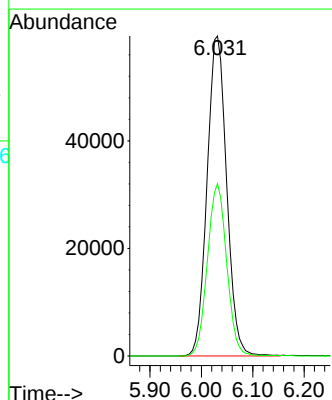
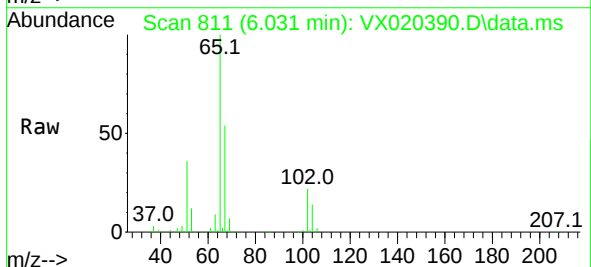
Instrument :
MSVOA_X
ClientSampleId :

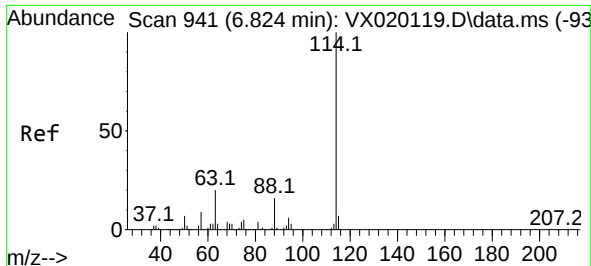
Tgt Ion: 97 Resp: 14010
Ion Ratio Lower Upper
97 100
99 67.4 51.5 77.3
61 48.0 34.2 51.4



#33
1,2-Dichloroethane-d4
Concen: 51.08 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Tgt Ion: 65 Resp: 157266
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4

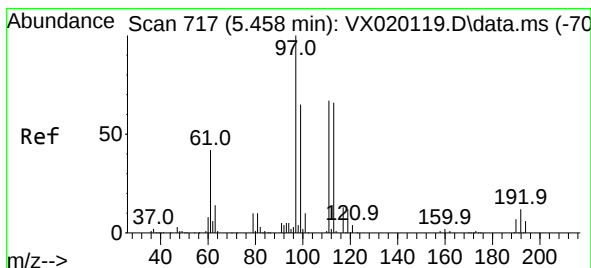
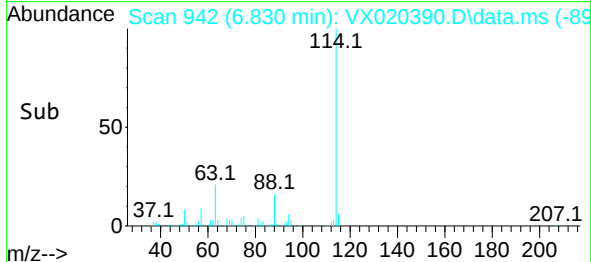
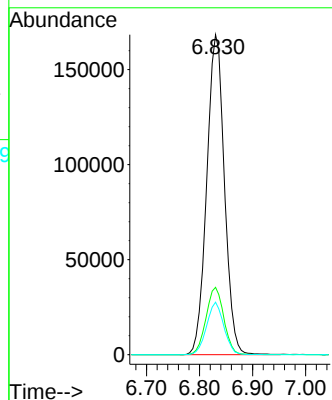
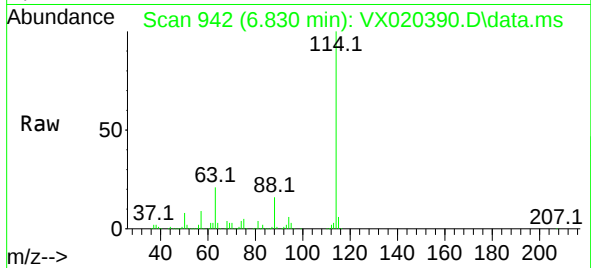




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

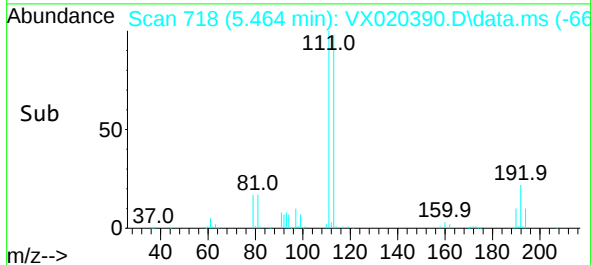
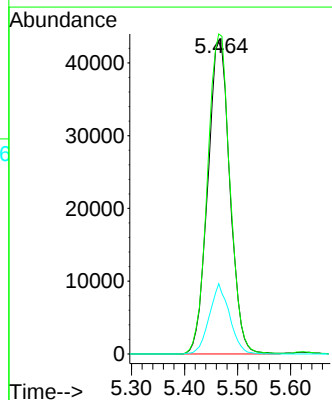
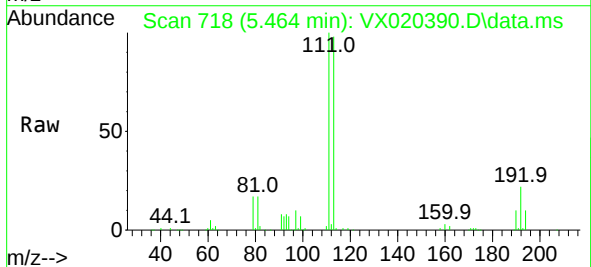
Instrument :
MSVOA_X
ClientSampled :

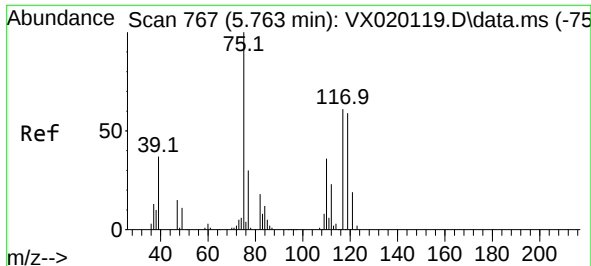
Tgt Ion:114 Resp: 389693
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.03 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Tgt Ion:113 Resp: 124711
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 20.5 16.7 25.1

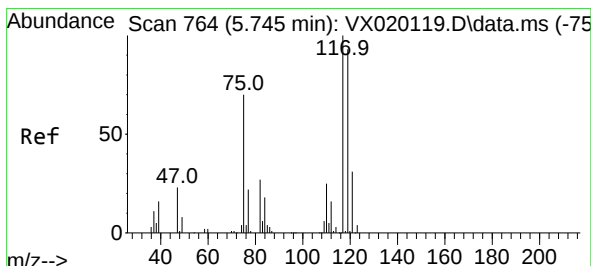
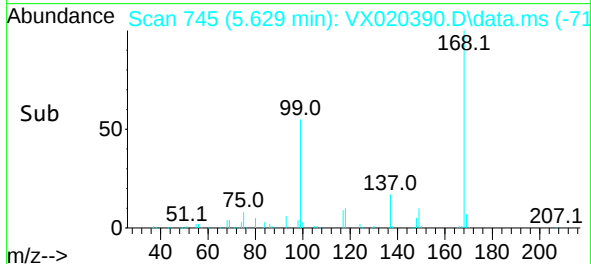
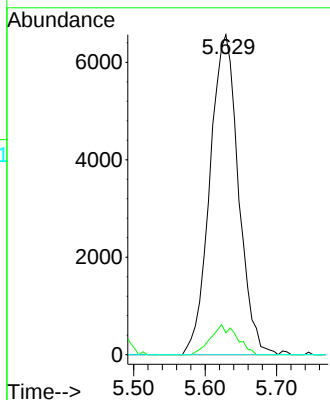
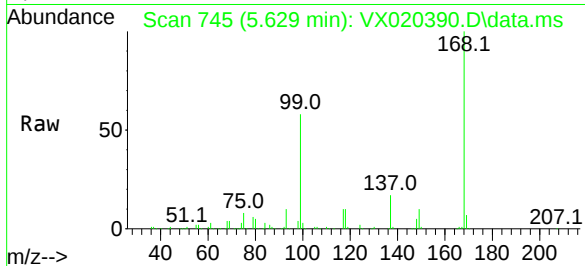




#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

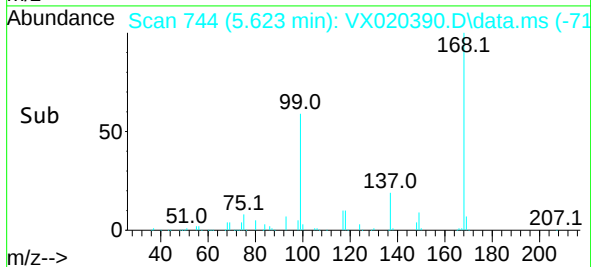
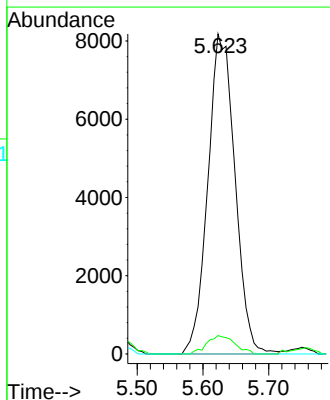
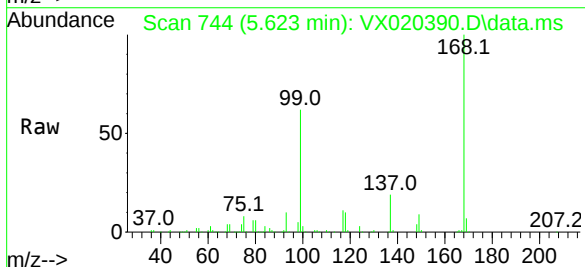
Instrument :
MSVOA_X
ClientSampled :

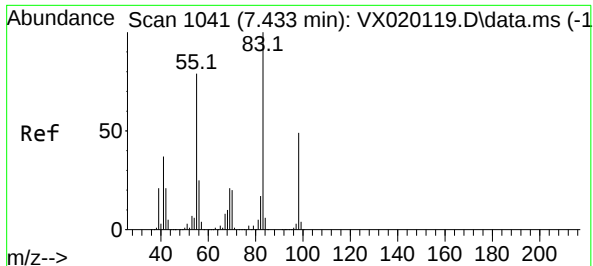
Tgt Ion: 75 Resp: 18232
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.41 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Tgt Ion: 117 Resp: 23470
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.51 ug/l

RT: 7.184 min Scan# 1000

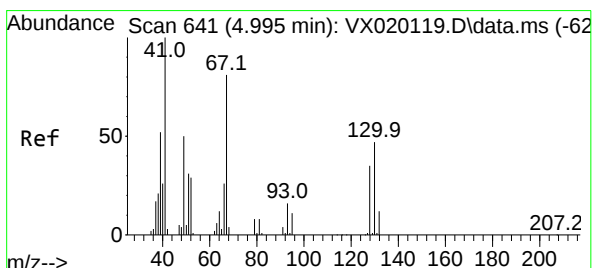
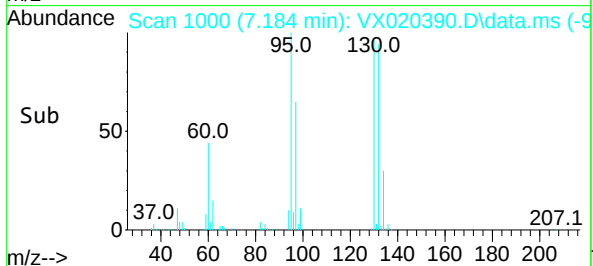
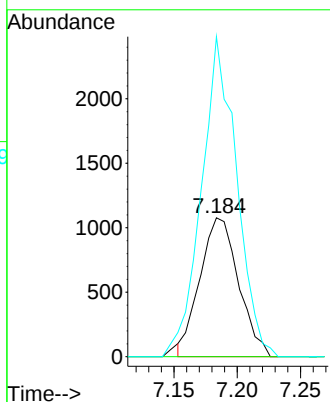
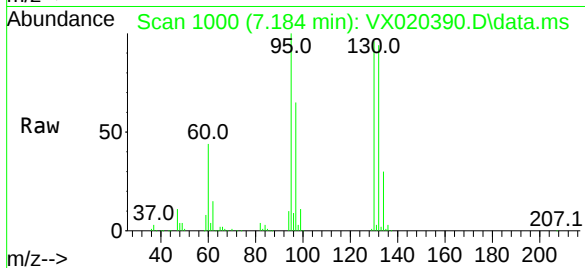
Delta R.T. -0.249 min

Lab File: VX020390.D

Acq: 24 Dec 2020 16:09

Tgt Ion:	83	Resp:	2289
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	230.2	38.1	57.1#

Instrument :
MSVOA_X
ClientSampled :



#41

Methacrylonitrile

Concen: 0.25 ug/l

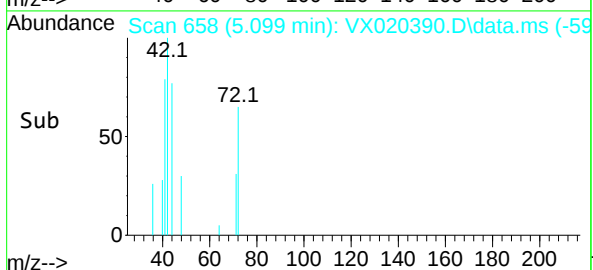
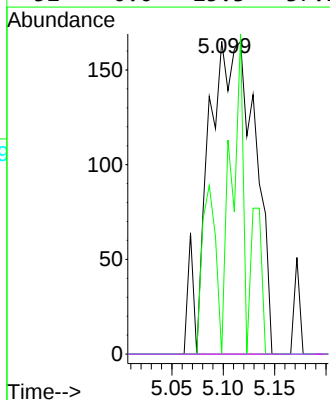
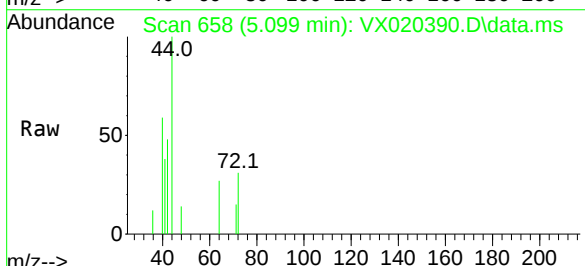
RT: 5.099 min Scan# 658

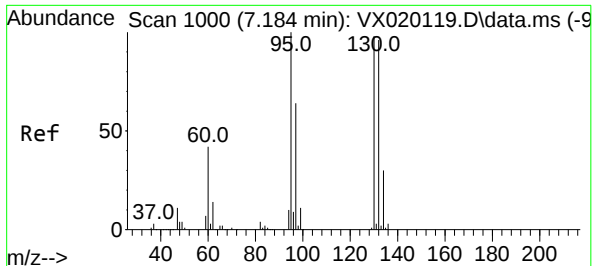
Delta R.T. 0.104 min

Lab File: VX020390.D

Acq: 24 Dec 2020 16:09

Tgt Ion:	41	Resp:	527
Ion	Ratio	Lower	Upper
41	100		
39	15.4	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#

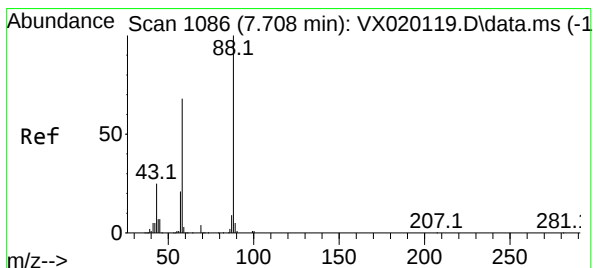
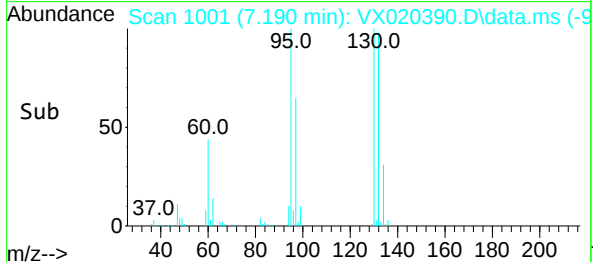
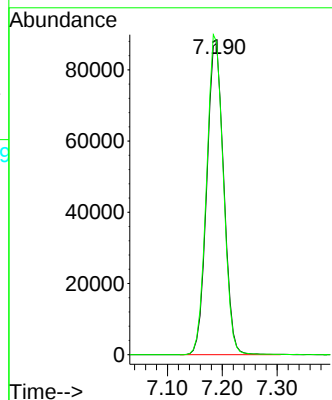
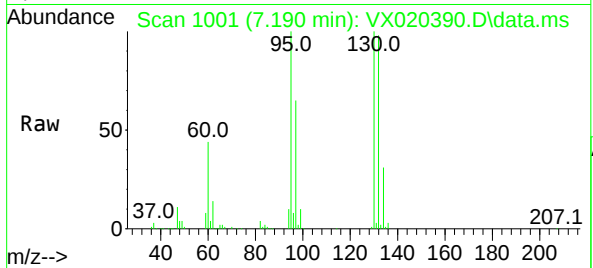




#44
Trichloroethene
Concen: 60.65 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

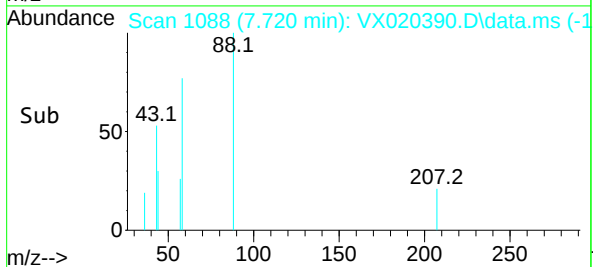
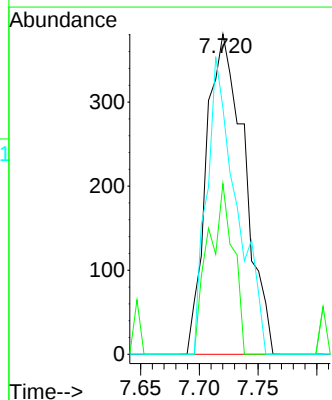
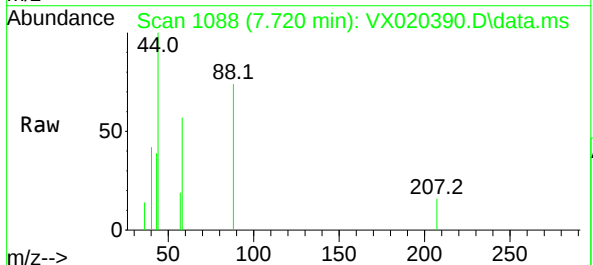
Instrument :
MSVOA_X
ClientSampled :

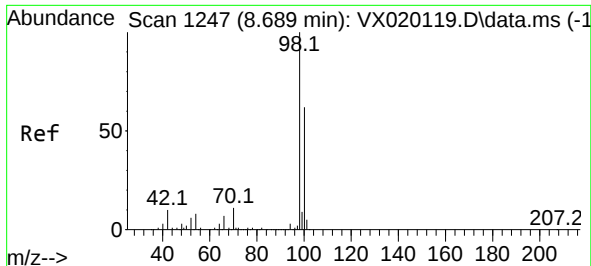
Tgt Ion:130 Resp: 187944
Ion Ratio Lower Upper
130 100
95 100.4 0.0 198.0



#49
1,4-Dioxane
Concen: 11.82 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Tgt Ion: 88 Resp: 857
Ion Ratio Lower Upper
88 100
43 34.8 23.2 34.8
58 73.0 55.0 82.4

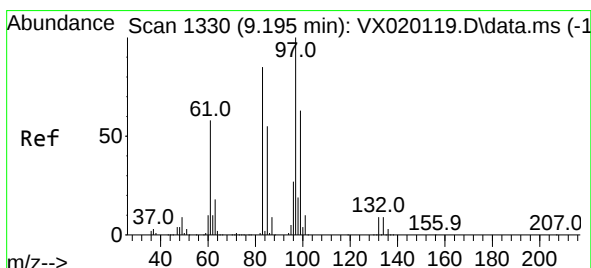
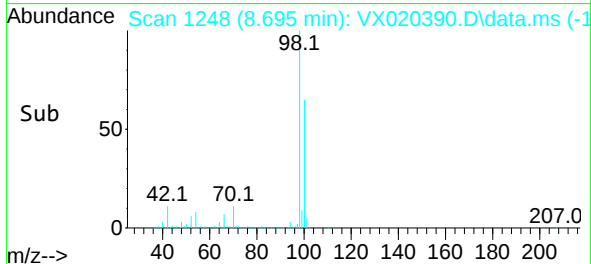
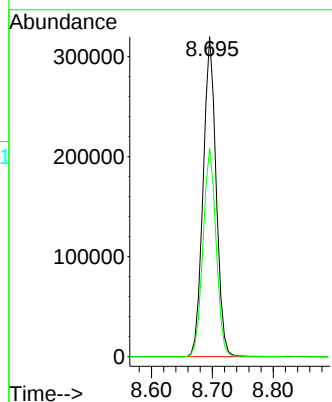
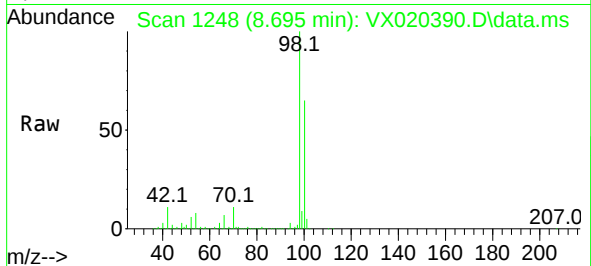




#50
Toluene-d8
Concen: 49.51 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

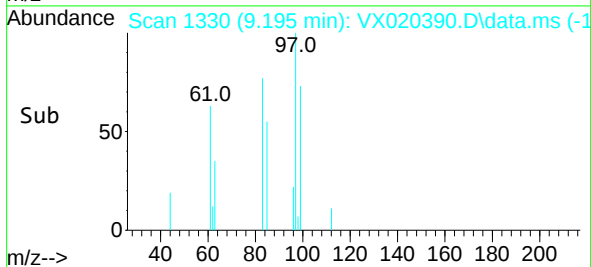
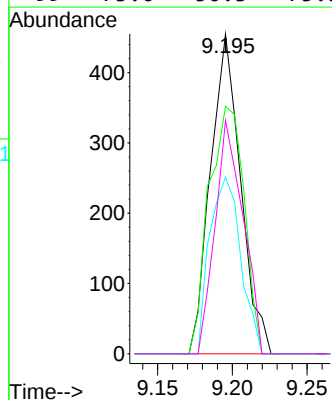
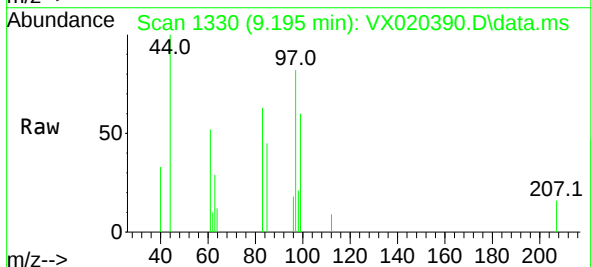
Instrument :
MSVOA_X
ClientSampled :

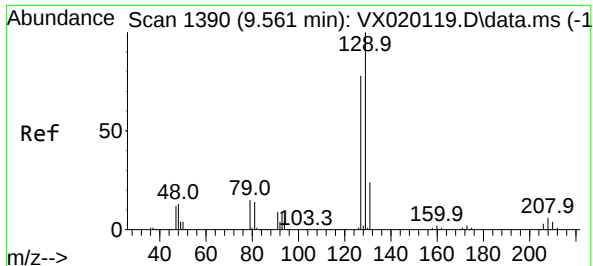
Tgt Ion: 98 Resp: 475059
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 0.21 ug/l
RT: 9.195 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Tgt Ion: 97 Resp: 636
Ion Ratio Lower Upper
97 100
83 77.4 69.3 103.9
85 55.2 44.3 66.5
99 73.0 50.3 75.5

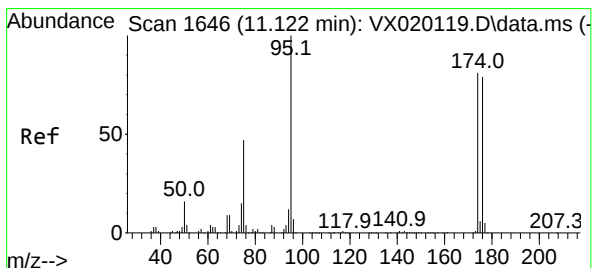
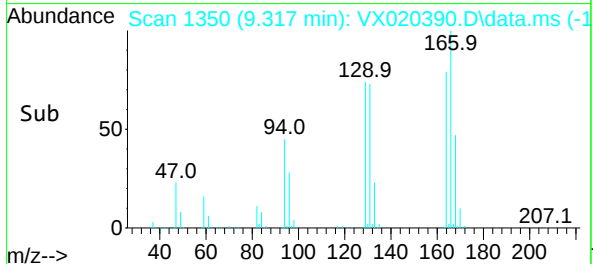
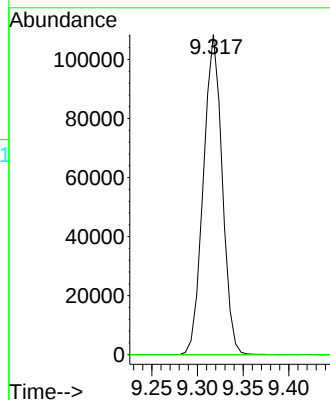
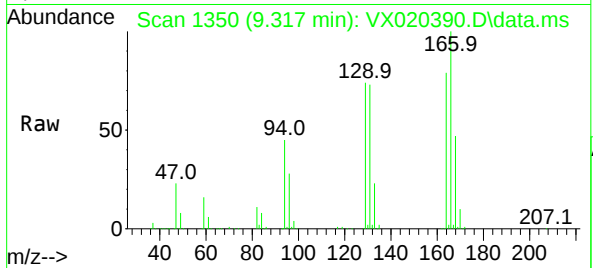




#60
Dibromochloromethane
Concen: 51.78 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

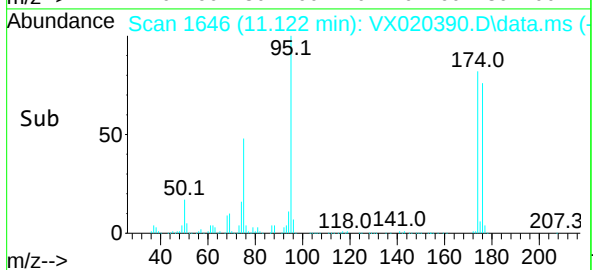
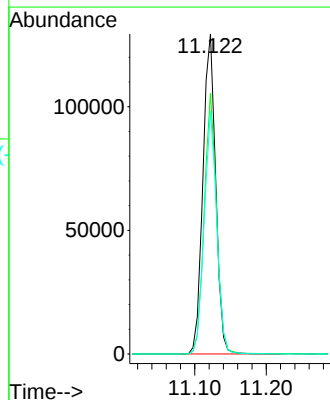
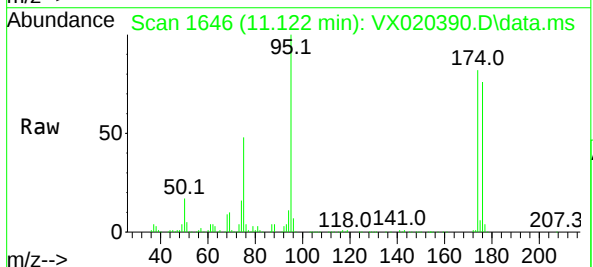
Instrument :
MSVOA_X
ClientSampled :

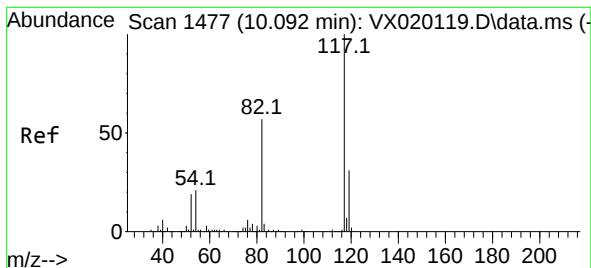
Tgt Ion:129 Resp: 155028
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 43.58 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Tgt Ion: 95 Resp: 160043
Ion Ratio Lower Upper
95 100
174 79.2 0.0 154.6
176 74.5 0.0 155.8

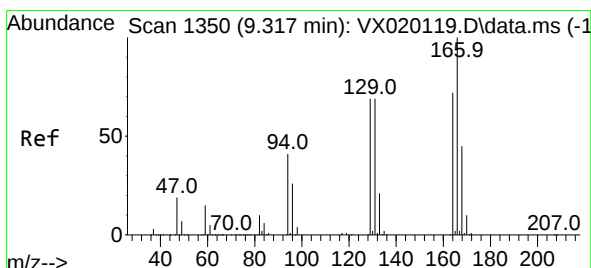
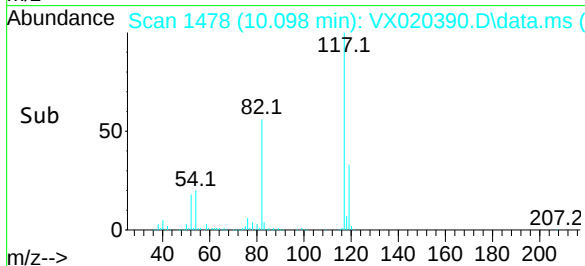
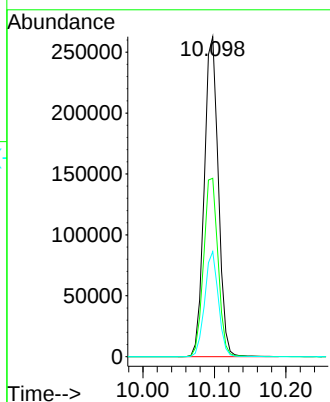
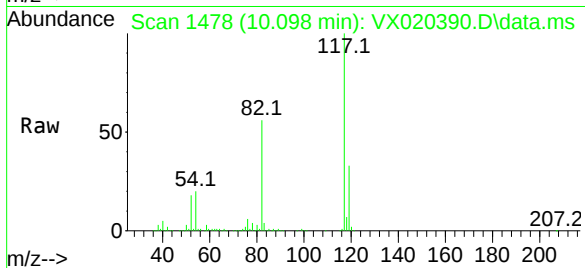




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

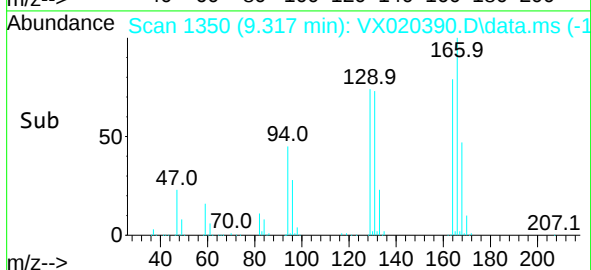
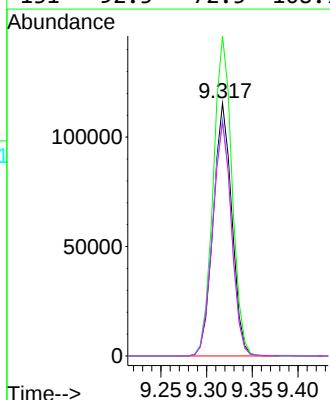
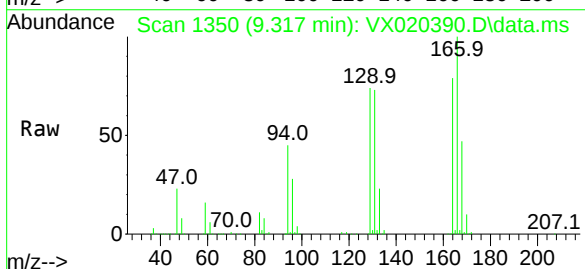
Instrument :
MSVOA_X
ClientSampled :

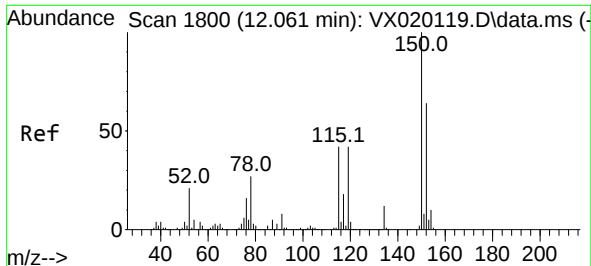
Tgt Ion:117 Resp: 359477
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 32.9 26.6 39.8



#64
Tetrachloroethene
Concen: 60.24 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020390.D
Acq: 24 Dec 2020 16:09

Tgt Ion:164 Resp: 163162
Ion Ratio Lower Upper
164 100
166 126.6 103.4 155.2
129 93.8 70.8 106.2
131 92.5 72.5 108.7

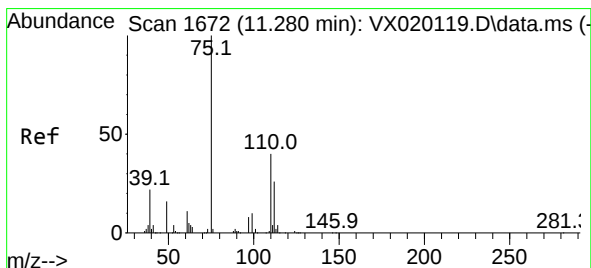
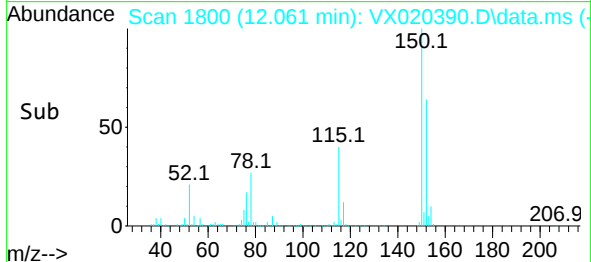
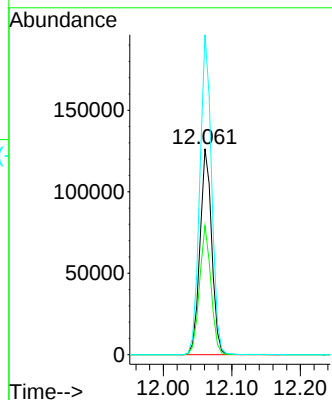
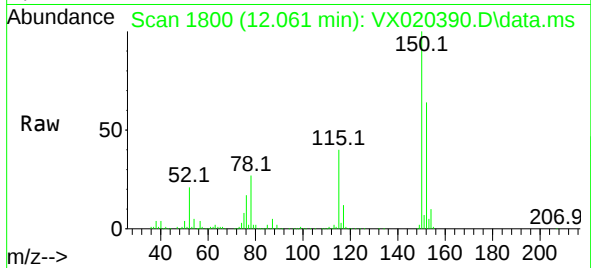




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020390.D
 Acq: 24 Dec 2020 16:09

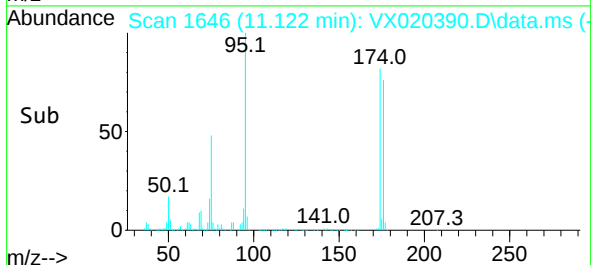
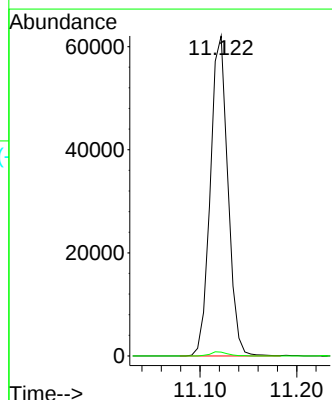
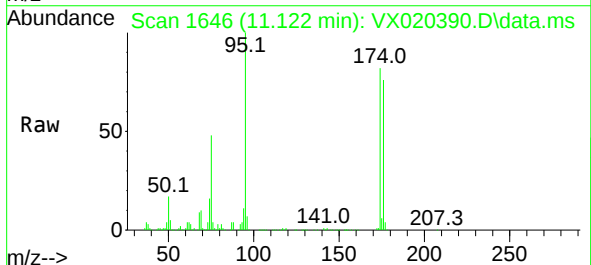
Instrument :
 MSVOA_X
 ClientSampled :

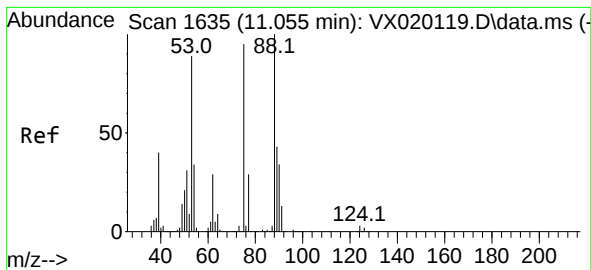
Tgt Ion:152 Resp: 150664
 Ion Ratio Lower Upper
 152 100
 115 61.0 41.1 123.3
 150 155.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.13 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020390.D
 Acq: 24 Dec 2020 16:09

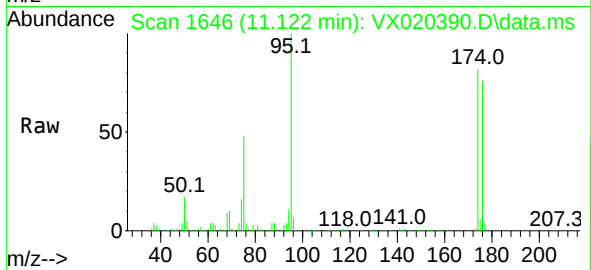
Tgt Ion: 75 Resp: 78434
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.70 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020390.D
 Acq: 24 Dec 2020 16:09

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	78434
Ion	Ratio	Lower	Upper
75	100		
53	0.1	74.5	111.7#
89	0.0	37.9	56.9#

