

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031521\
 Data File : VX021212.D
 Acq On : 15 Mar 2021 20:04
 Operator : JC/MD
 Sample : M1639-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 16 03:06:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 15 11:55:59 2021
 Response via : Initial Calibration

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

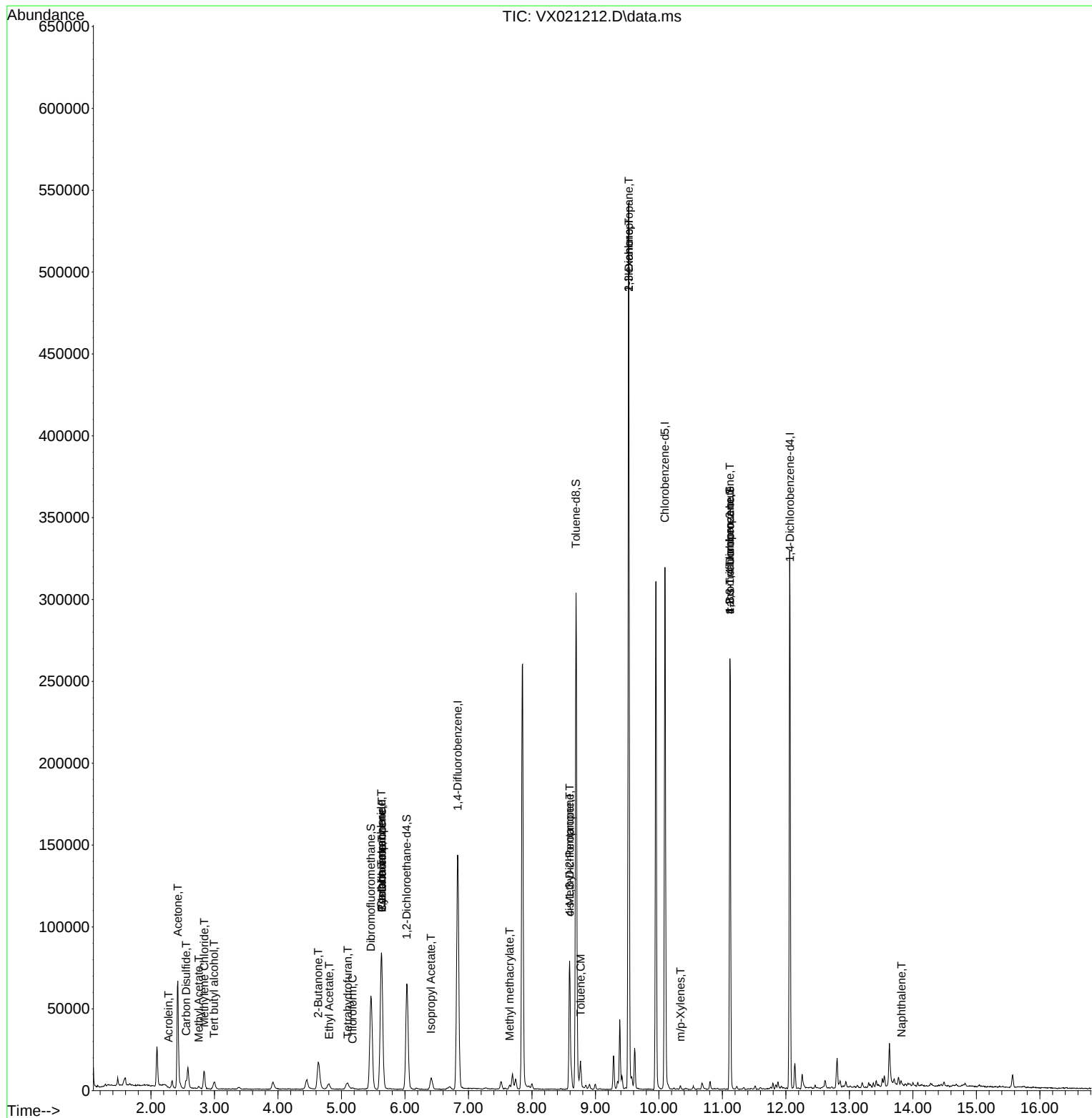
Internal Standards						
1) Pentafluorobenzene	5.635	168	71801	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.829	114	133532	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	131080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	61361	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	63466	51.84	ug/l	0.00
Spiked Amount 50.000	Range	61 - 141	Recovery	= 103.68%		
35) Dibromofluoromethane	5.464	113	47039	51.20	ug/l	0.00
Spiked Amount 50.000	Range	69 - 133	Recovery	= 102.40%		
50) Toluene-d8	8.694	98	169948	51.49	ug/l	0.00
Spiked Amount 50.000	Range	65 - 126	Recovery	= 102.98%		
62) 4-Bromofluorobenzene	11.118	95	69454	55.22	ug/l	0.00
Spiked Amount 50.000	Range	58 - 135	Recovery	= 110.44%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.993	59	3078	14.43	ug/l #	75
13) Acrolein	2.276	56	92	0.70	ug/l #	14
16) Acetone	2.423	43	68615	139.42	ug/l	89
17) Carbon Disulfide	2.552	76	5320	2.33	ug/l #	92
18) Methyl Acetate	2.752	43	1584	1.33	ug/l #	87
20) Methylene Chloride	2.840	84	4582	4.93	ug/l #	89
25) 2-Butanone	4.635	43	27242	38.48	ug/l	90
29) Tetrahydrofuran	5.100	42	877	1.92	ug/l #	58
30) Chloroform	5.176	83	608	0.35	ug/l #	75
31) Cyclohexane	5.635	56	2096	1.35	ug/l #	28
36) 1,1-Dichloropropene	5.635	75	6930	4.95	ug/l #	49
37) Ethyl Acetate	4.805	43	5520	3.58	ug/l #	96
38) Carbon Tetrachloride	5.629	117	8003	5.21	ug/l #	16
43) Isopropyl Acetate	6.412	43	8500	3.29	ug/l #	89
48) Methyl methacrylate	7.647	41	3364	2.53	ug/l #	19
51) 4-Methyl-2-Pentanone	8.594	43	32734	22.20	ug/l #	32
52) Toluene	8.765	92	4165	1.77	ug/l	95
54) cis-1,3-Dichloropropene	8.594	75	11599	6.81	ug/l #	73
57) 1,3-Dichloropropane	9.524	76	4243	2.52	ug/l #	42
59) 2-Hexanone	9.524	43	65271	58.82	ug/l #	42
68) m/p-Xylenes	10.341	106	460	0.25	ug/l	94
76) 1,2,3-Trichloropropane	11.118	75	39354	25.87	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	39354	73.41	ug/l #	12
95) Naphthalene	13.818	128	1430	1.77	ug/l #	96

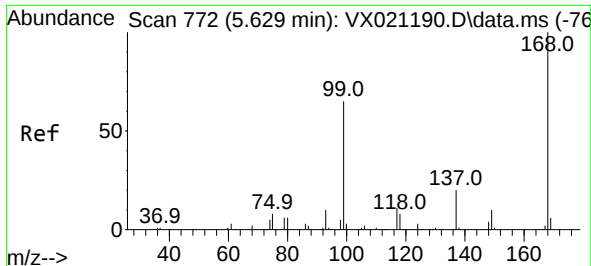
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031521\
Data File : VX021212.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 16 03:06:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031521W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 15 11:55:59 2021
Response via : Initial Calibration

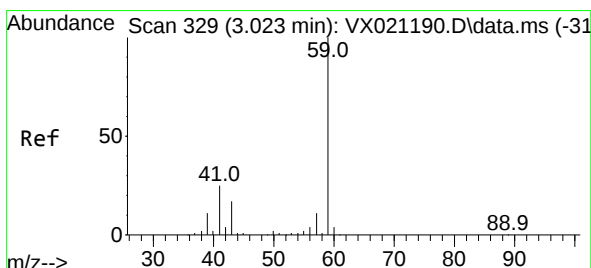
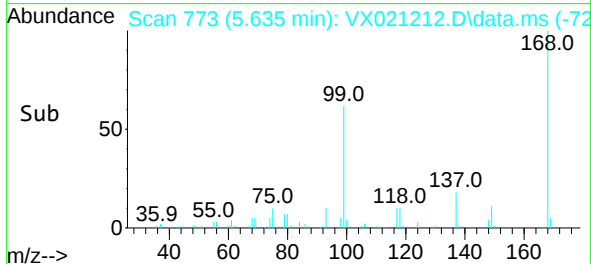
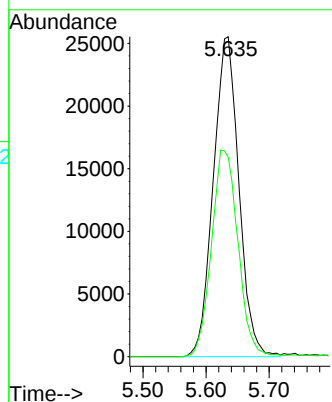
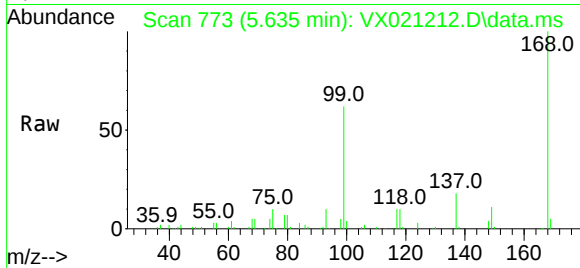




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.012 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

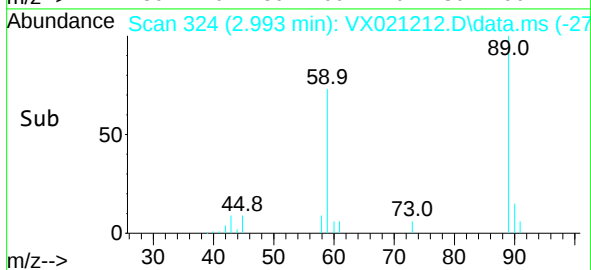
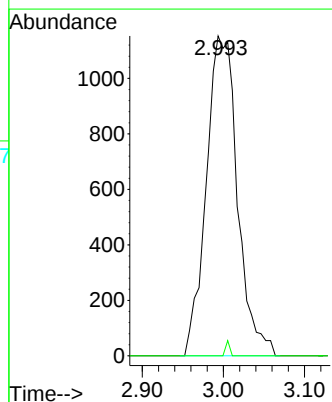
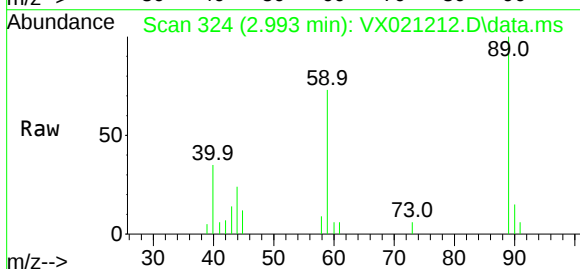
Instrument :
MSVOA_X
ClientSampleId :

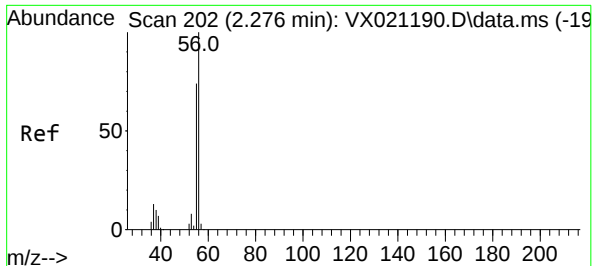
Tgt Ion:168 Resp: 71801
Ion Ratio Lower Upper
168 100
99 62.4 45.8 68.6



#11
Tert butyl alcohol
Concen: 14.43 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.023 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

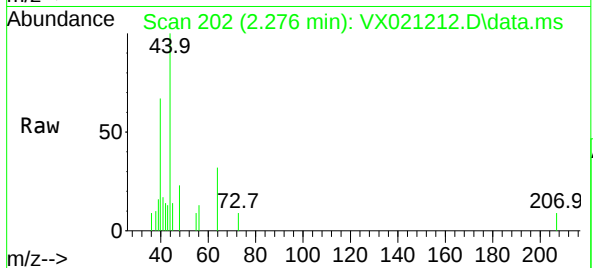
Tgt Ion: 59 Resp: 3078
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.8#



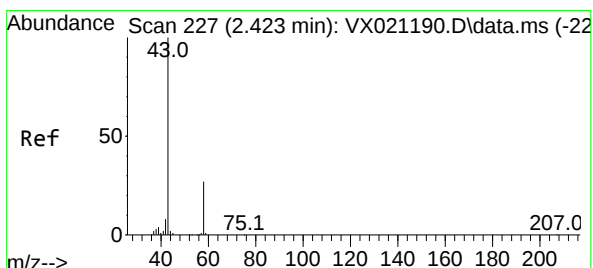
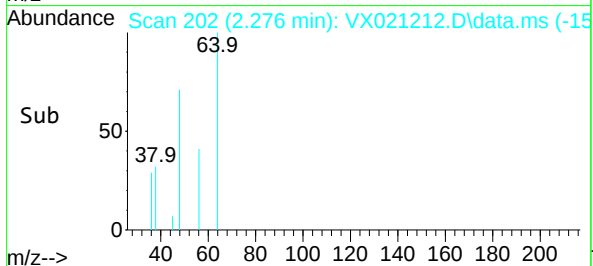
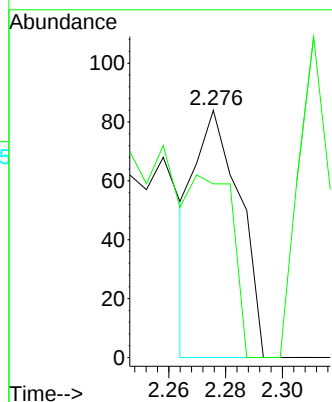


#13
Acrolein
Concen: 0.70 ug/l
RT: 2.276 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

Instrument :
MSVOA_X
ClientSampled :

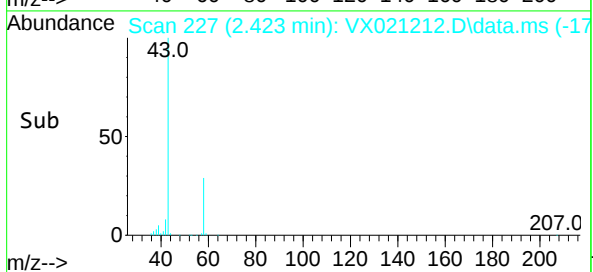
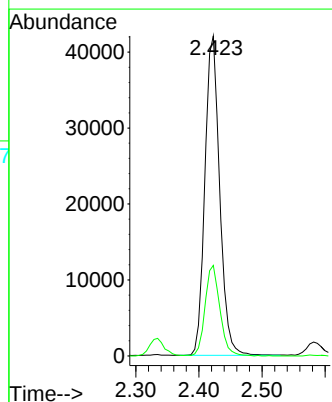
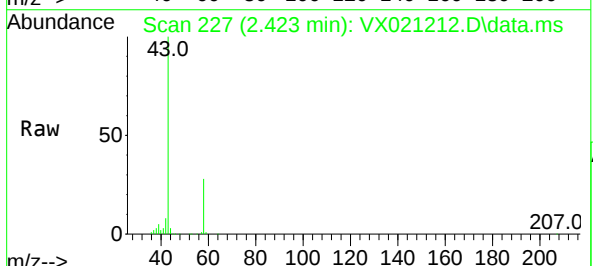


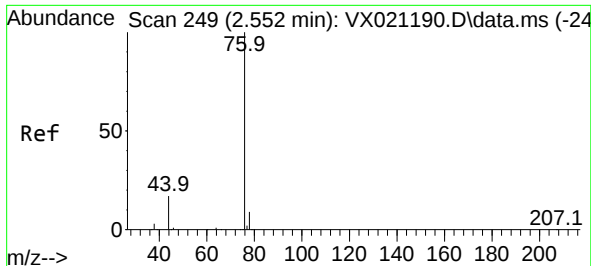
Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 139.42 ug/l
RT: 2.423 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

Tgt Ion: 43 Resp: 68615
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8

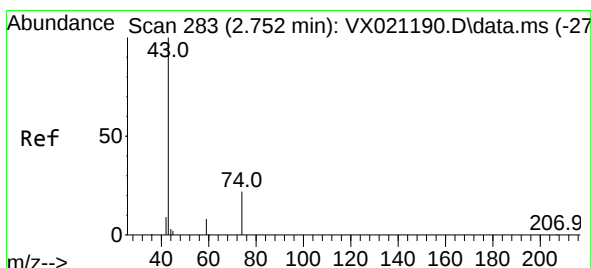
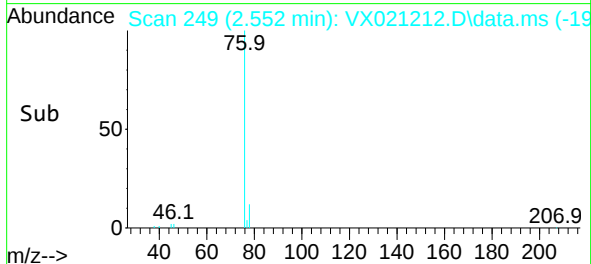
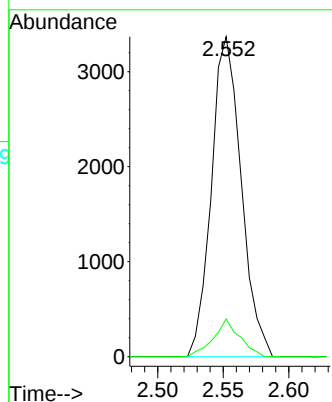
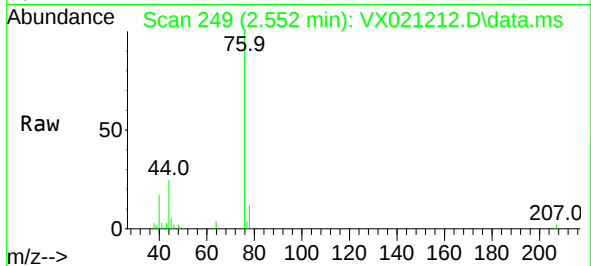




#17
Carbon Disulfide
Concen: 2.33 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

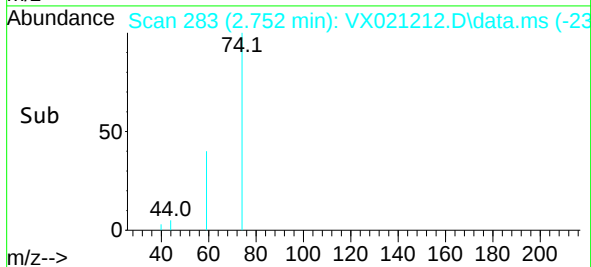
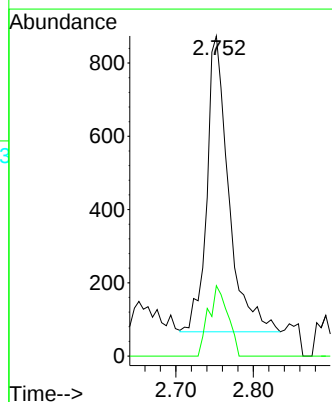
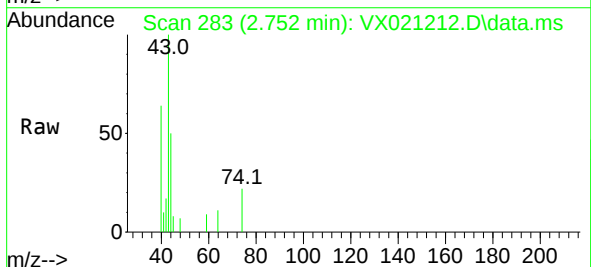
Instrument :
MSVOA_X
ClientSampled :

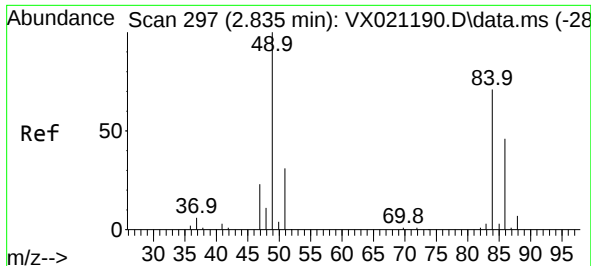
Tgt Ion: 76 Resp: 5320
Ion Ratio Lower Upper
76 100
78 11.8 7.2 10.8#



#18
Methyl Acetate
Concen: 1.33 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

Tgt Ion: 43 Resp: 1584
Ion Ratio Lower Upper
43 100
74 20.8 21.9 32.9#





#20

Methylene Chloride

Concen: 4.93 ug/l

RT: 2.840 min Scan# 298

Delta R.T. 0.006 min

Lab File: VX021212.D

Acq: 15 Mar 2021 20:04

Tgt Ion: 84 Resp: 4582

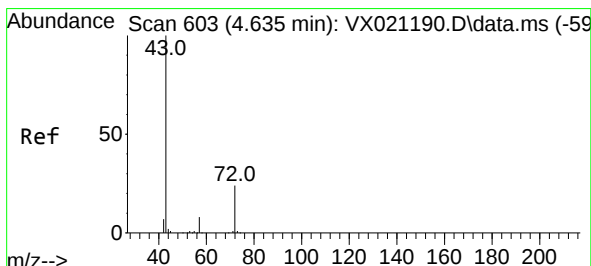
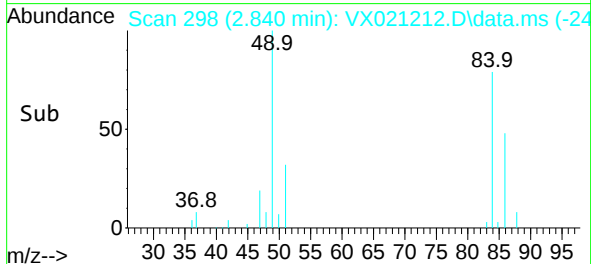
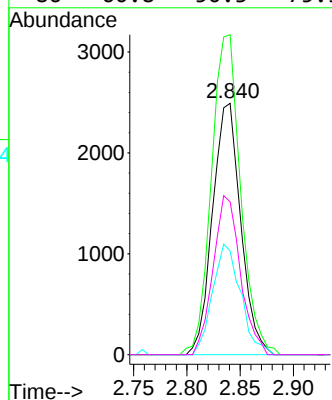
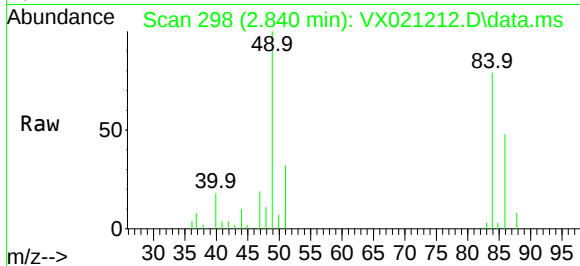
Ion Ratio Lower Upper

84 100

49 127.3 88.6 132.8

51 41.3 27.0 40.6#

86 60.8 50.3 75.5



#25

2-Butanone

Concen: 38.48 ug/l

RT: 4.635 min Scan# 603

Delta R.T. 0.000 min

Lab File: VX021212.D

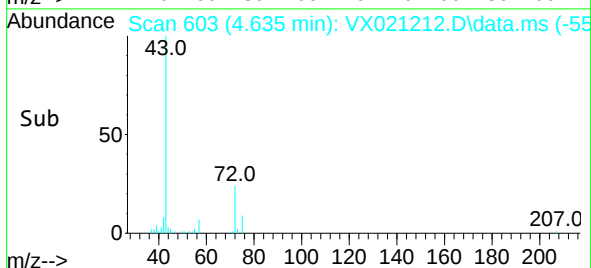
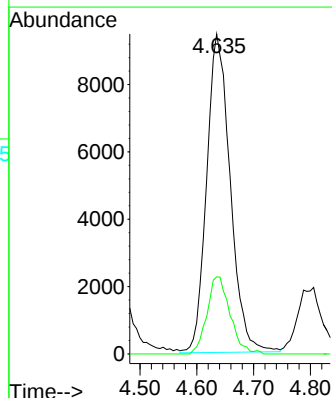
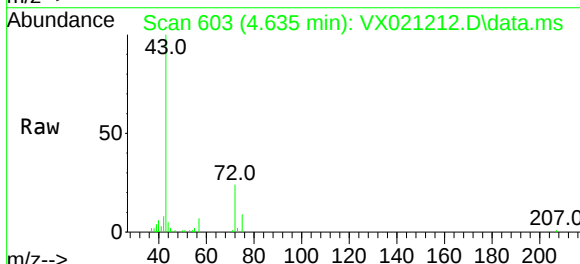
Acq: 15 Mar 2021 20:04

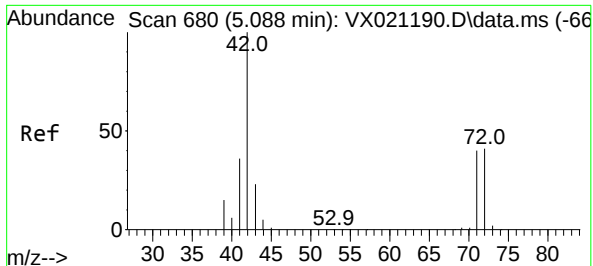
Tgt Ion: 43 Resp: 27242

Ion Ratio Lower Upper

43 100

72 24.3 23.7 35.5





#29

Tetrahydrofuran

Concen: 1.92 ug/l

RT: 5.100 min Scan# 682

Delta R.T. 0.012 min

Lab File: VX021212.D

Acq: 15 Mar 2021 20:04

Tgt Ion: 42 Resp: 877

Ion Ratio Lower Upper

42 100

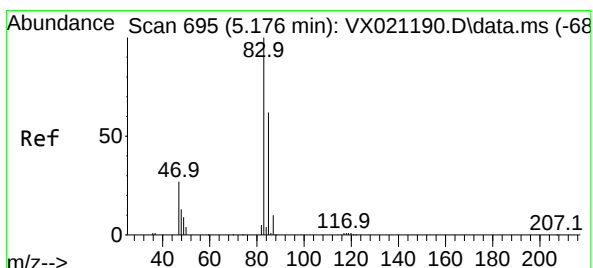
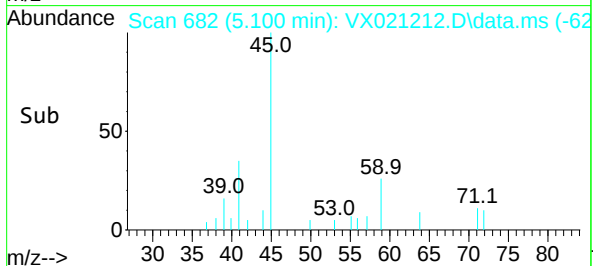
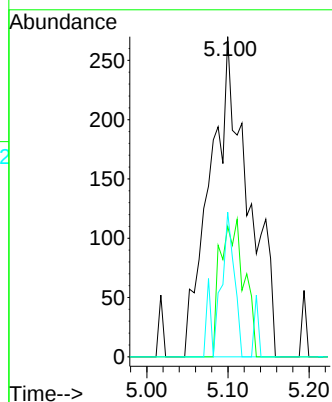
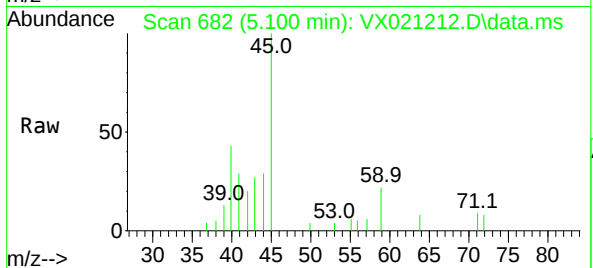
72 27.1 41.7 62.5#

71 14.9 38.4 57.6#

Instrument :

MSVOA_X

ClientSampleId :



#30

Chloroform

Concen: 0.35 ug/l

RT: 5.176 min Scan# 695

Delta R.T. 0.000 min

Lab File: VX021212.D

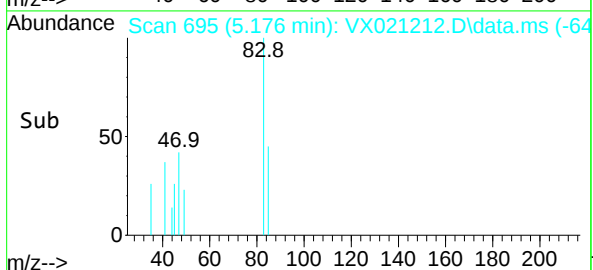
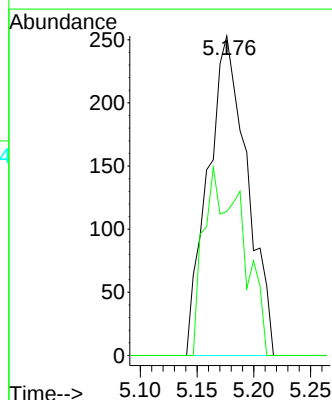
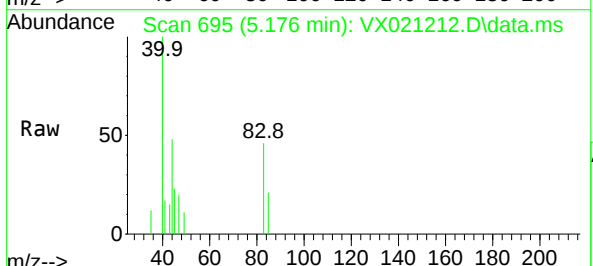
Acq: 15 Mar 2021 20:04

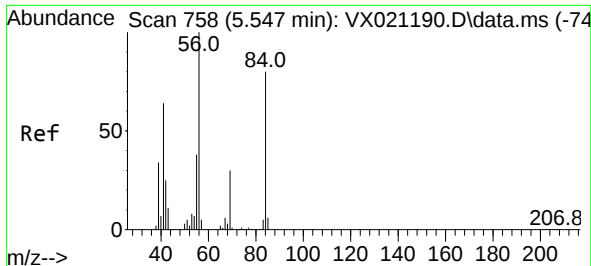
Tgt Ion: 83 Resp: 608

Ion Ratio Lower Upper

83 100

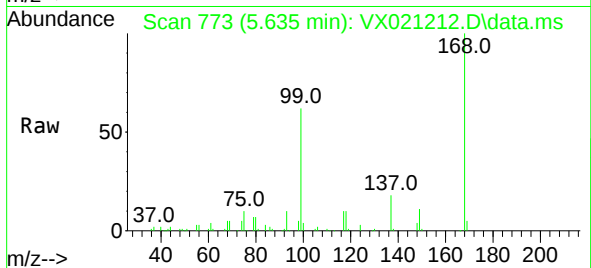
85 45.1 52.0 78.0#



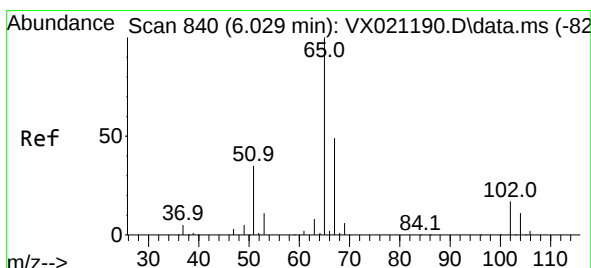
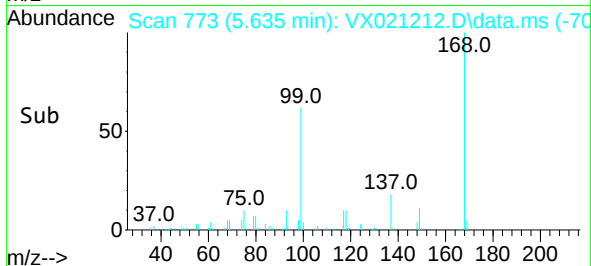
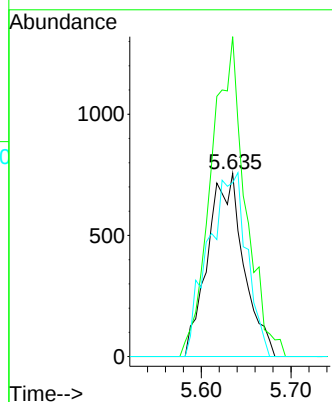


#31
Cyclohexane
Concen: 1.35 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.088 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

Instrument :
MSVOA_X
ClientSampleId :

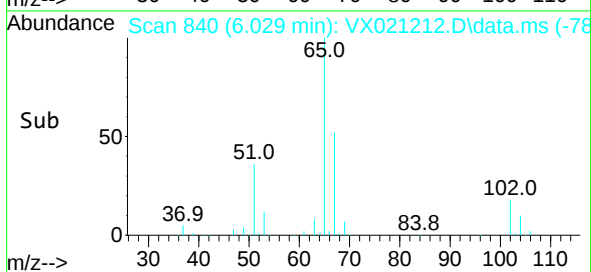
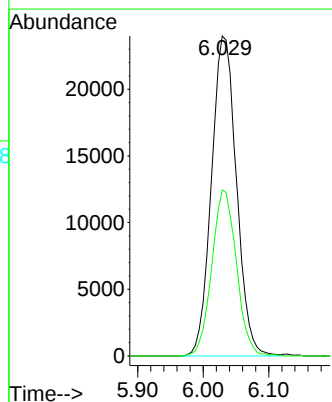
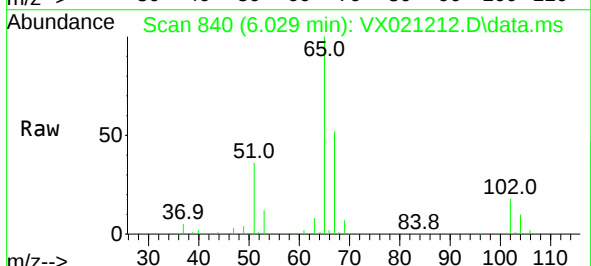


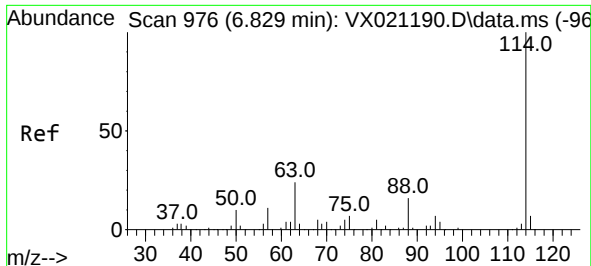
Tgt Ion: 56 Resp: 2096
Ion Ratio Lower Upper
56 100
69 174.6 25.3 37.9#
84 94.8 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.84 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

Tgt Ion: 65 Resp: 63466
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4

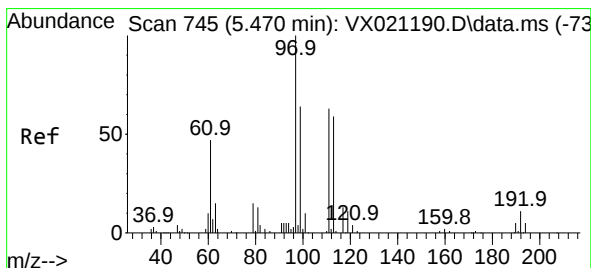
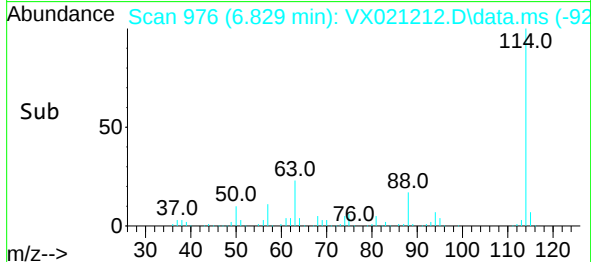
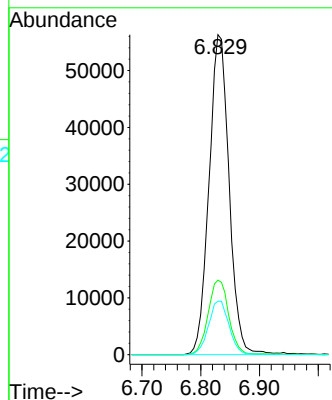
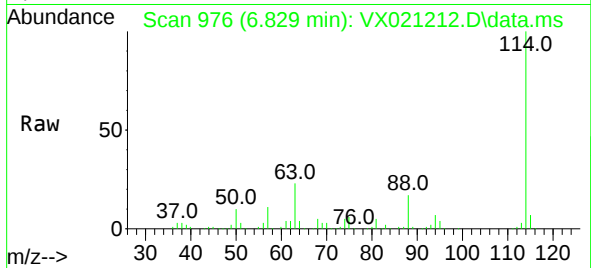




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

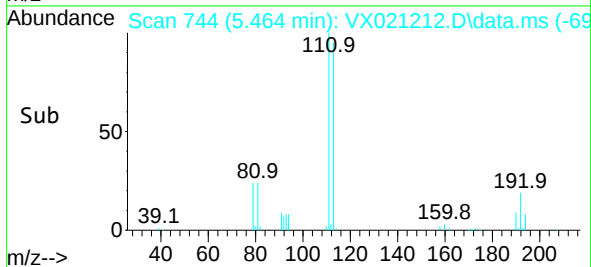
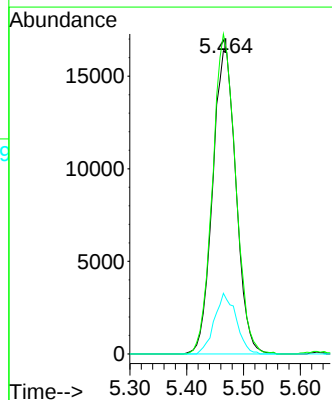
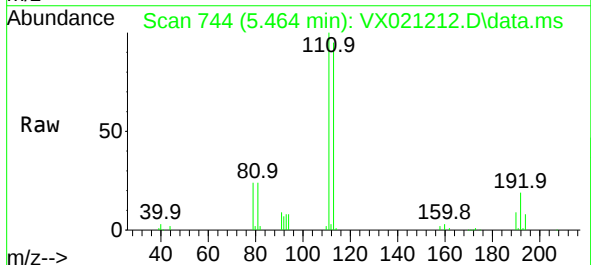
Instrument :
MSVOA_X
ClientSampleId :

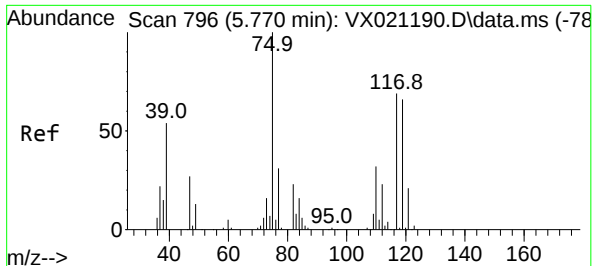
Tgt Ion:114 Resp: 133532
Ion Ratio Lower Upper
114 100
63 23.3 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.20 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

Tgt Ion:113 Resp: 47039
Ion Ratio Lower Upper
113 100
111 103.9 81.9 122.9
192 18.5 16.7 25.1

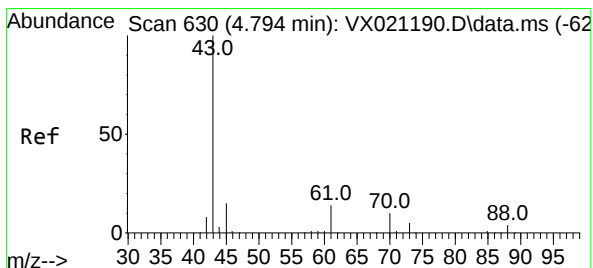
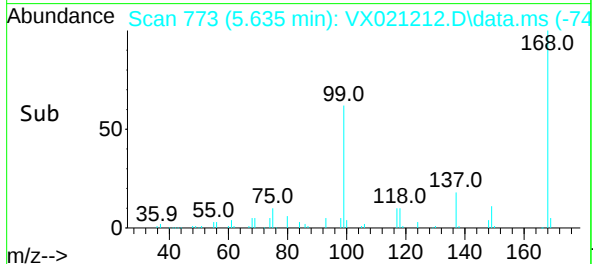
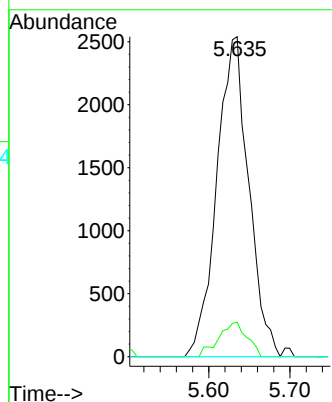
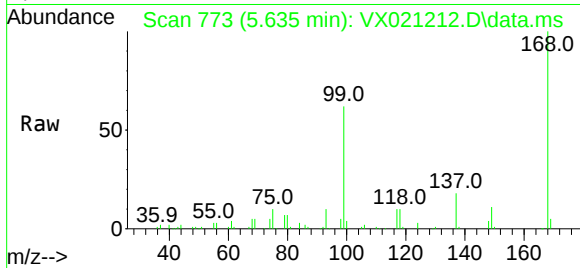




#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.135 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

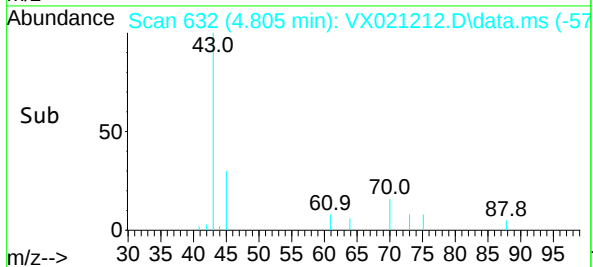
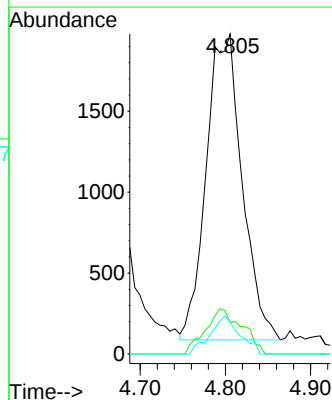
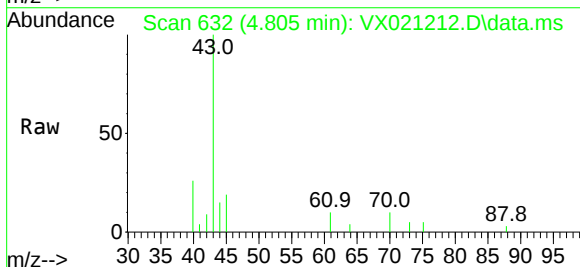
Instrument :
MSVOA_X
ClientSampleId :

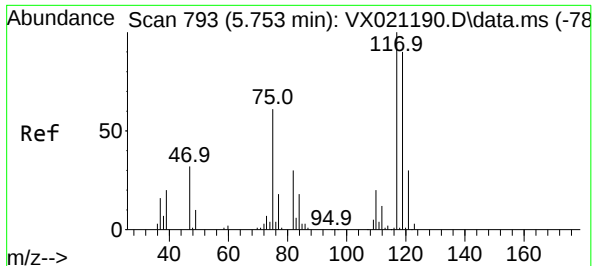
Tgt Ion: 75 Resp: 6930
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 3.58 ug/l
RT: 4.805 min Scan# 632
Delta R.T. 0.012 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

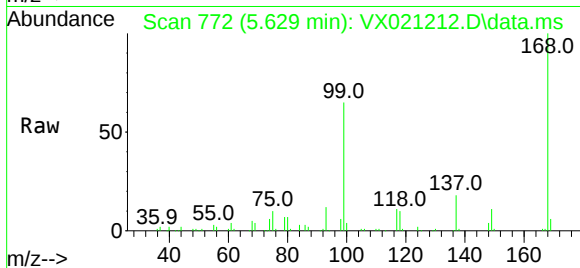
Tgt Ion: 43 Resp: 5520
Ion Ratio Lower Upper
43 100
61 15.1 12.8 19.2
70 10.2 10.5 15.7#



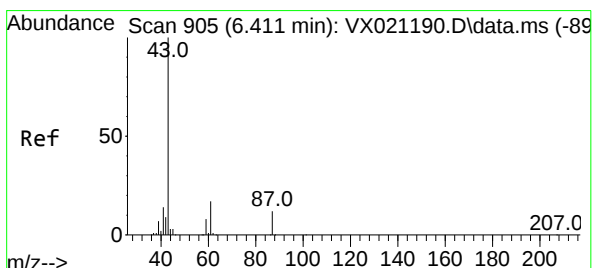
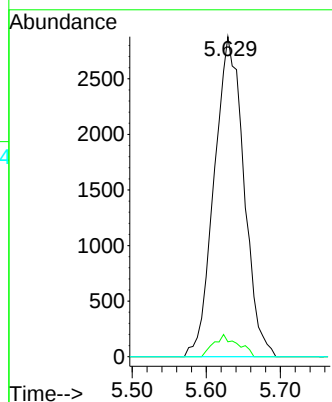
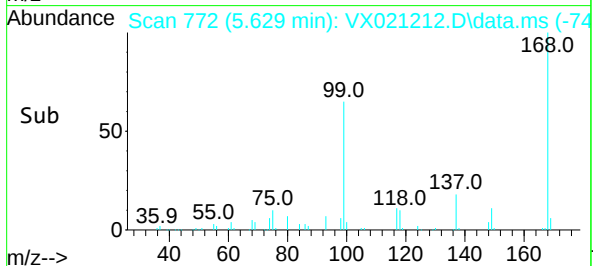


#38
Carbon Tetrachloride
Concen: 5.21 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

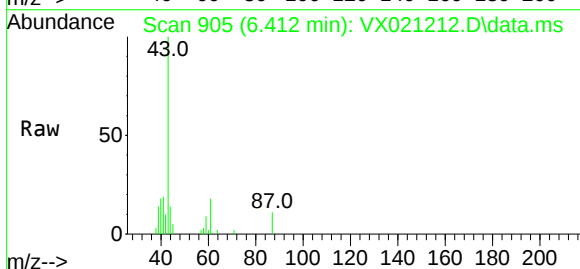
Instrument :
MSVOA_X
ClientSampleId :



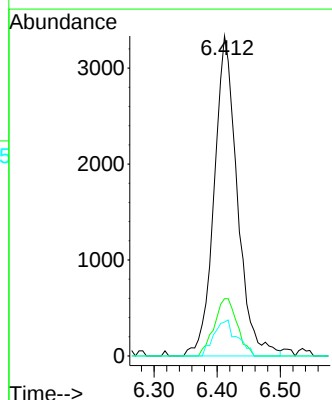
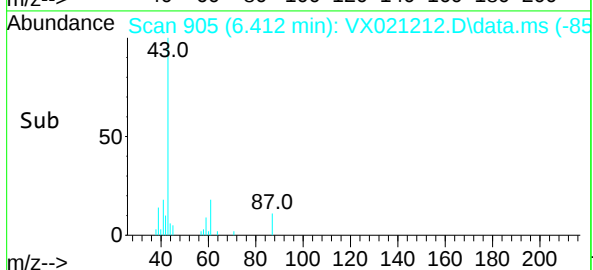
Tgt Ion:117 Resp: 8003
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#

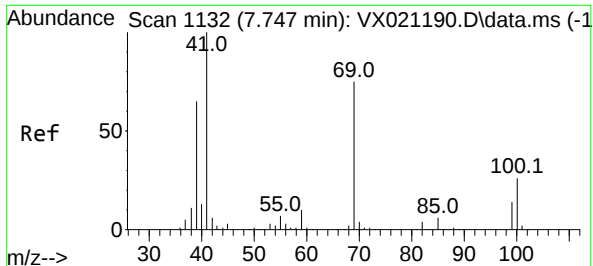


#43
Isopropyl Acetate
Concen: 3.29 ug/l
RT: 6.412 min Scan# 905
Delta R.T. 0.000 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04



Tgt Ion: 43 Resp: 8500
Ion Ratio Lower Upper
43 100
61 17.7 18.2 27.4#
87 11.1 12.5 18.7#





#48

Methyl methacrylate

Concen: 2.53 ug/l

RT: 7.647 min Scan# 1115

Delta R.T. -0.100 min

Lab File: VX021212.D

Acq: 15 Mar 2021 20:04

Tgt Ion: 41 Resp: 3364

Ion Ratio Lower Upper

41 100

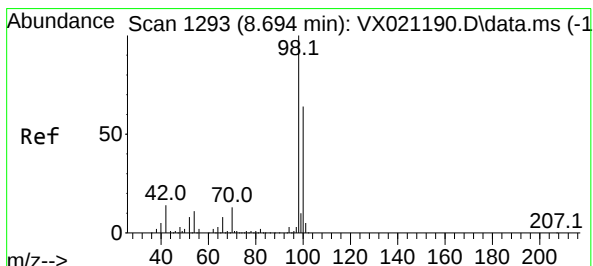
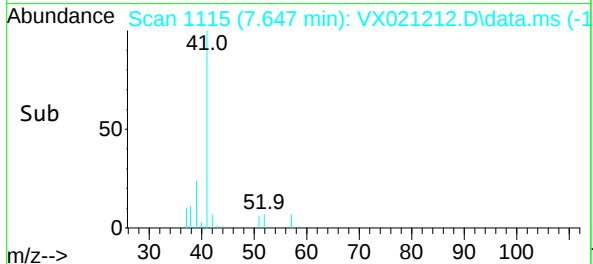
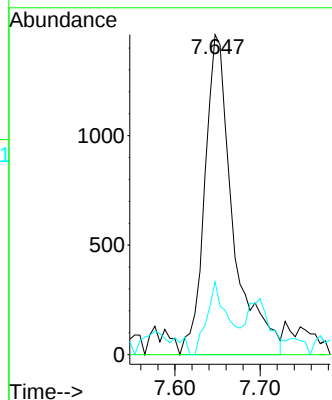
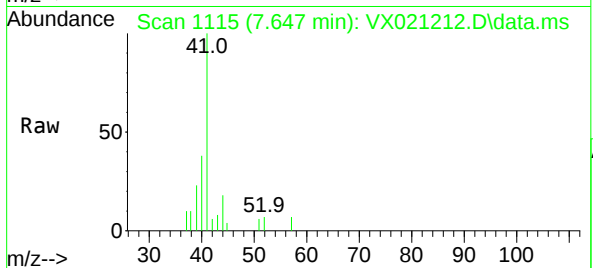
69 0.0 76.0 114.0#

39 16.9 44.6 67.0#

Instrument :

MSVOA_X

ClientSampled :



#50

Toluene-d8

Concen: 51.49 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VX021212.D

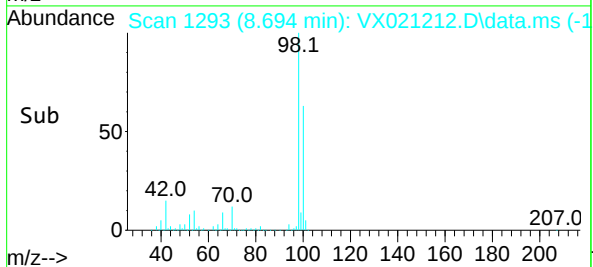
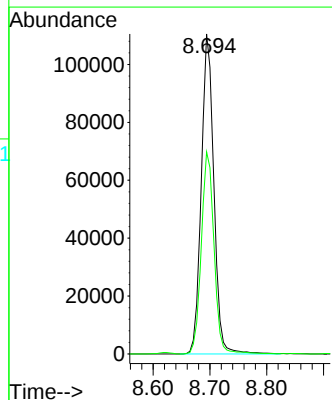
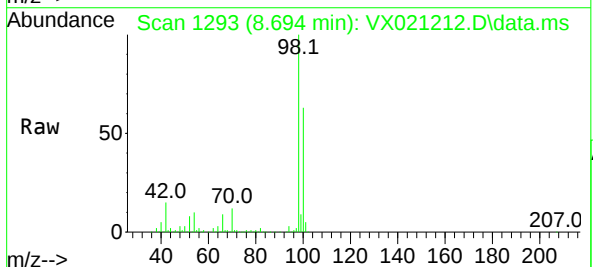
Acq: 15 Mar 2021 20:04

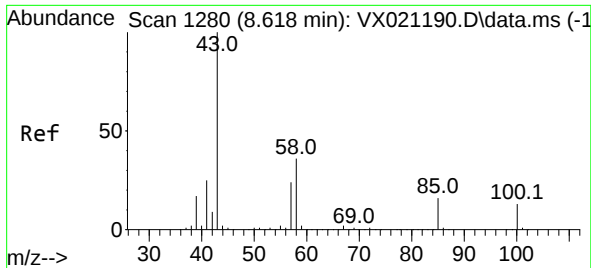
Tgt Ion: 98 Resp: 169948

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9

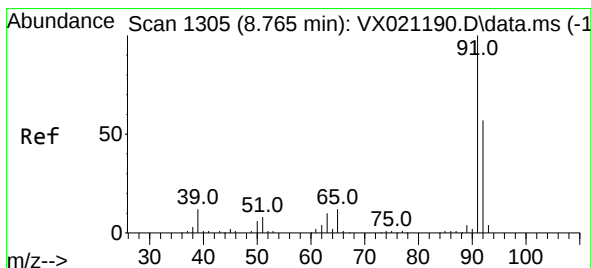
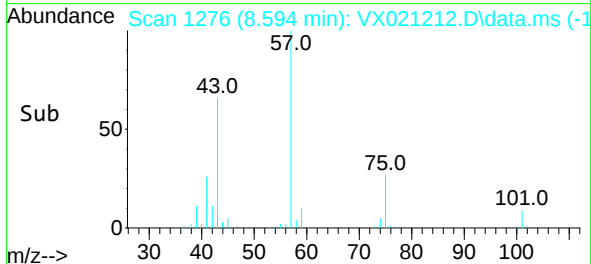
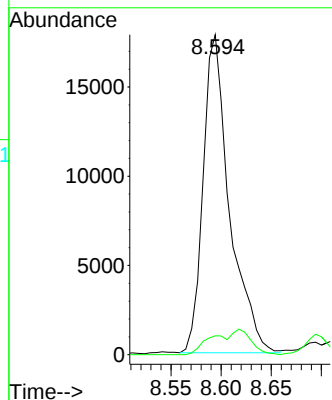
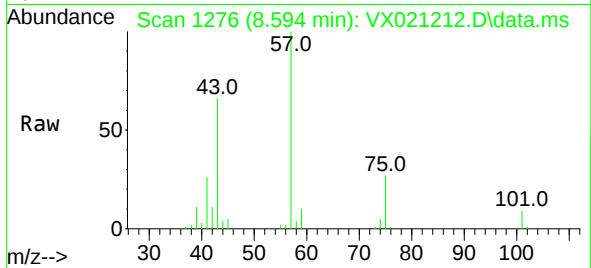




#51
4-Methyl-2-Pentanone
Concen: 22.20 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.023 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

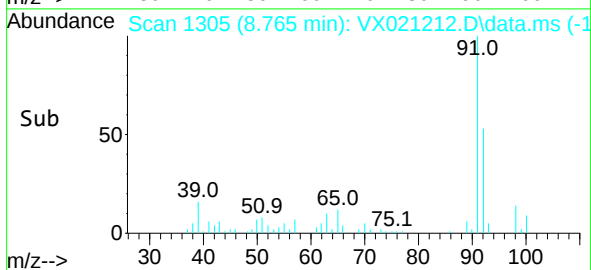
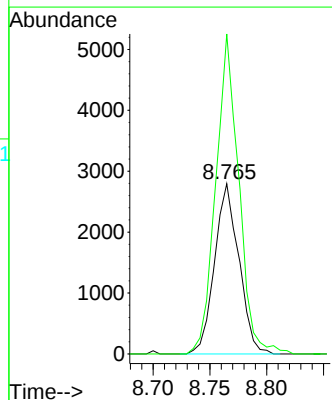
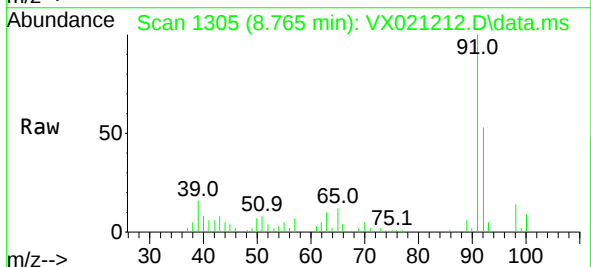
Instrument :
MSVOA_X
ClientSampled :

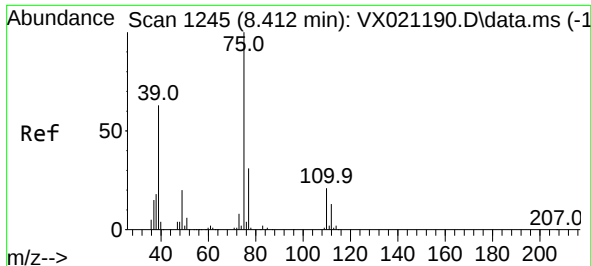
Tgt Ion: 43 Resp: 32734
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.0#



#52
Toluene
Concen: 1.77 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

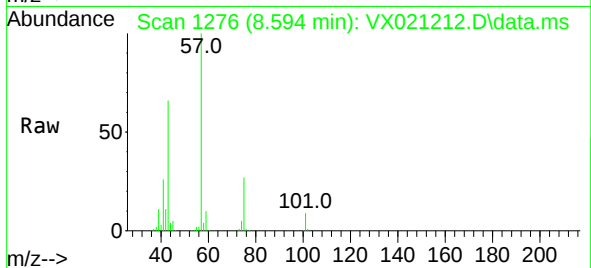
Tgt Ion: 92 Resp: 4165
Ion Ratio Lower Upper
92 100
91 178.4 137.1 205.7



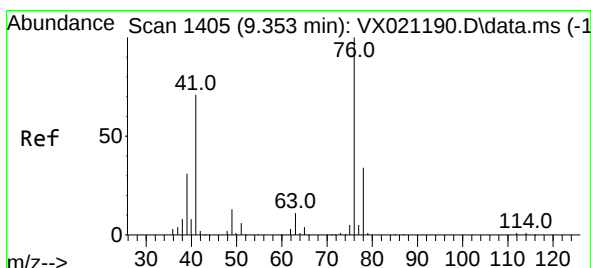
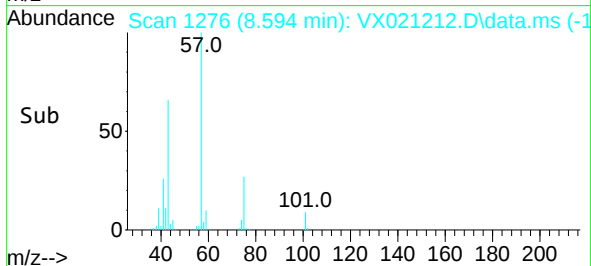
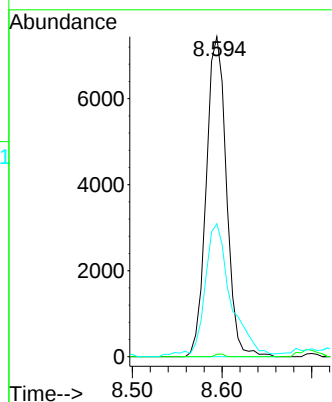


#54
cis-1,3-Dichloropropene
Concen: 6.81 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. 0.182 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

Instrument :
MSVOA_X
ClientSampled :

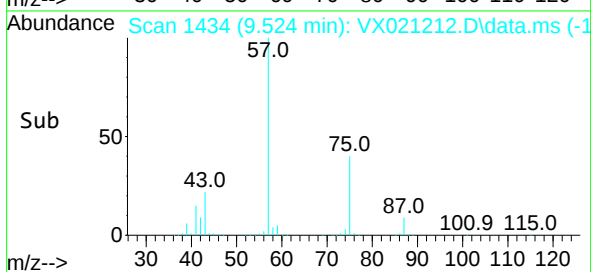
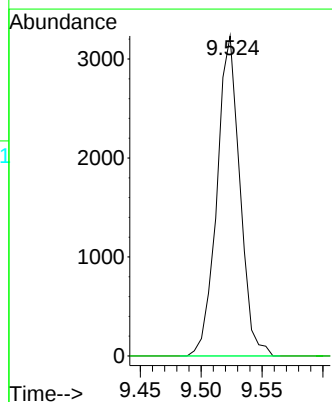
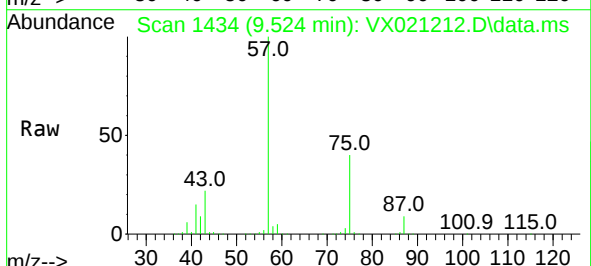


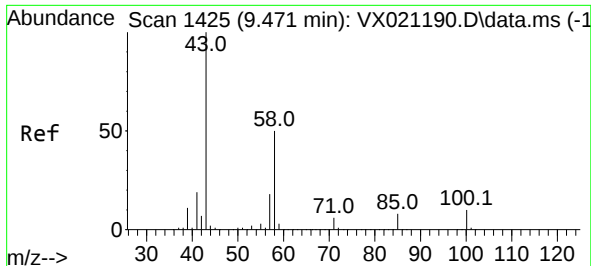
Tgt Ion: 75 Resp: 11599
Ion Ratio Lower Upper
75 100
77 0.8 25.7 38.5#
39 40.6 35.1 52.7



#57
1,3-Dichloropropane
Concen: 2.52 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.171 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

Tgt Ion: 76 Resp: 4243
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

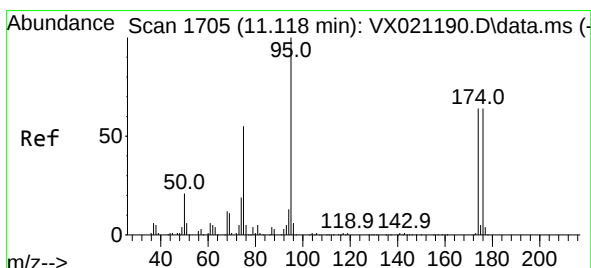
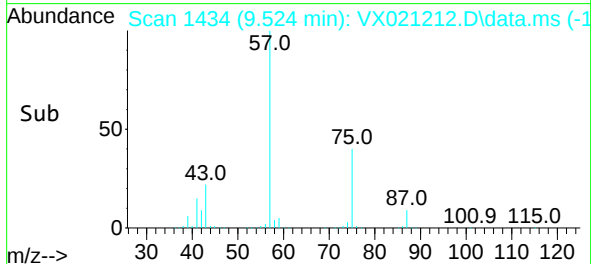
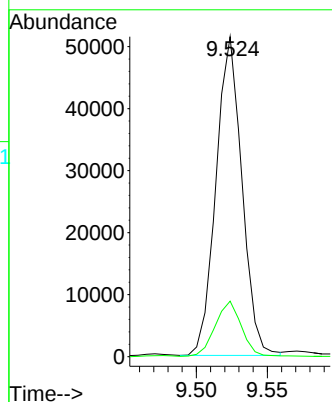
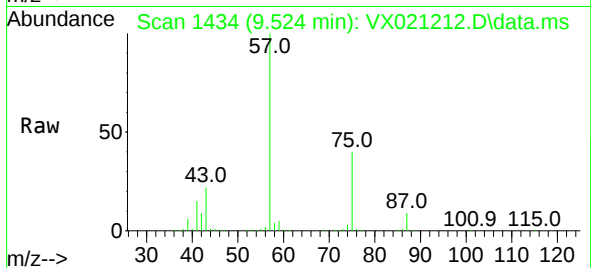




#59
2-Hexanone
Concen: 58.82 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.053 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

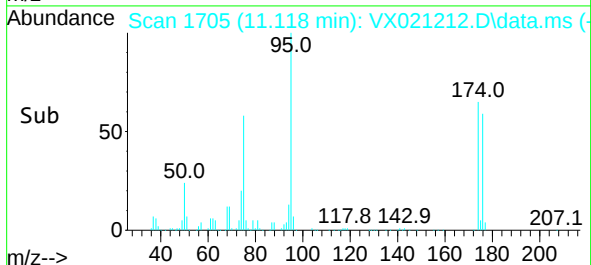
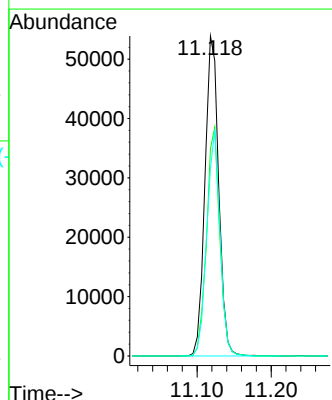
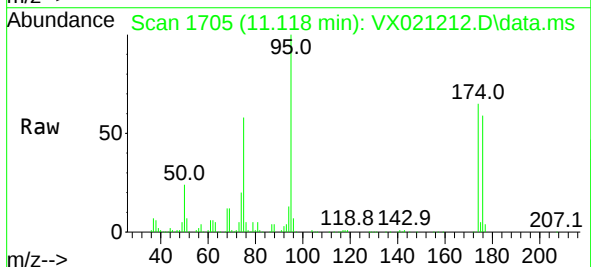
Instrument :
MSVOA_X
ClientSampled :

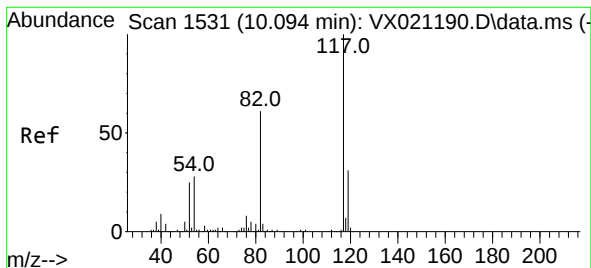
Tgt Ion: 43 Resp: 65271
Ion Ratio Lower Upper
43 100
58 17.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 55.22 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

Tgt Ion: 95 Resp: 69454
Ion Ratio Lower Upper
95 100
174 68.7 0.0 154.6
176 67.7 0.0 155.8

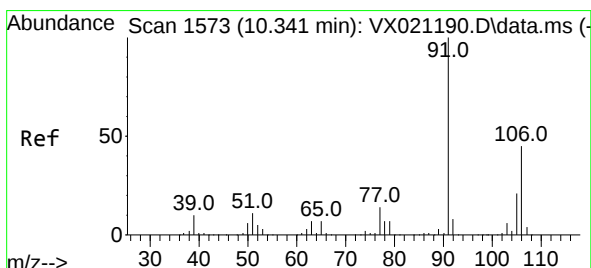
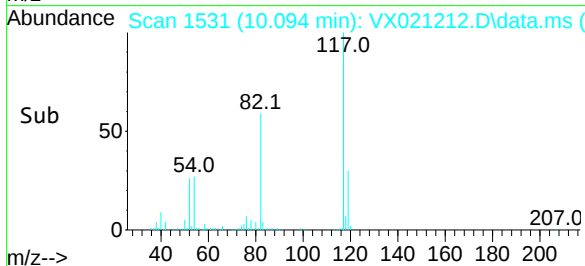
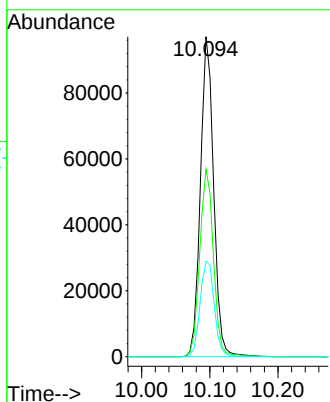
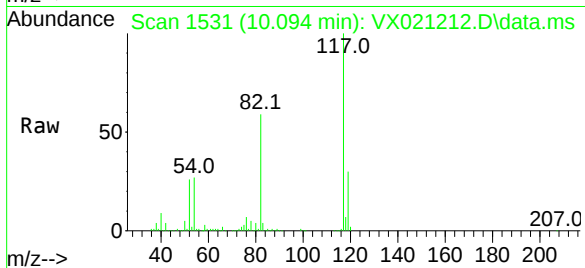




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

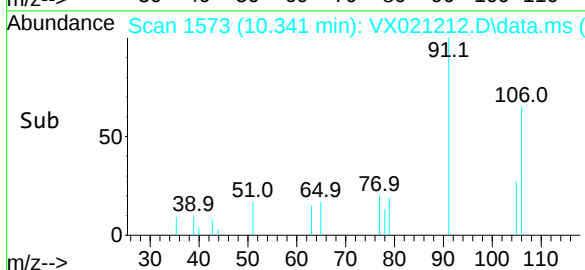
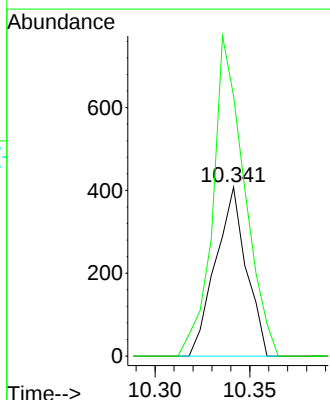
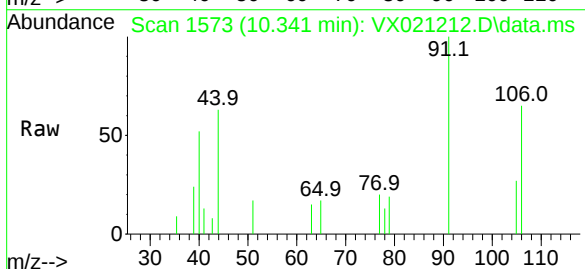
Instrument :
MSVOA_X
ClientSampled :

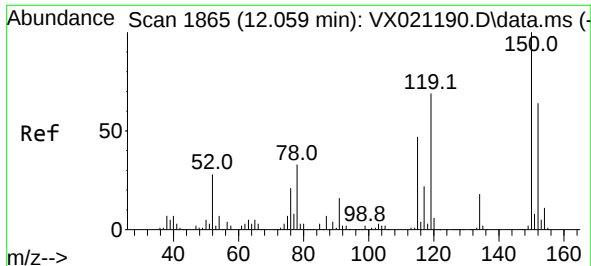
Tgt Ion:117 Resp: 131080
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 29.8 26.6 39.8



#68
m/p-Xylenes
Concen: 0.25 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

Tgt Ion:106 Resp: 460
Ion Ratio Lower Upper
106 100
91 193.9 162.8 244.2

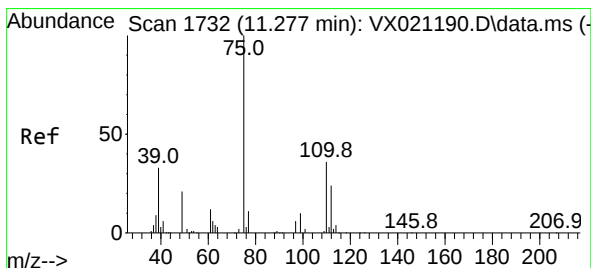
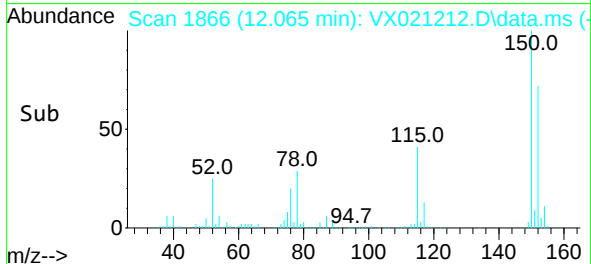
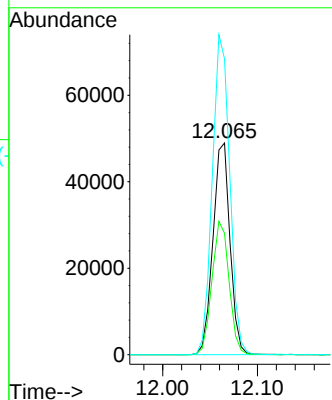
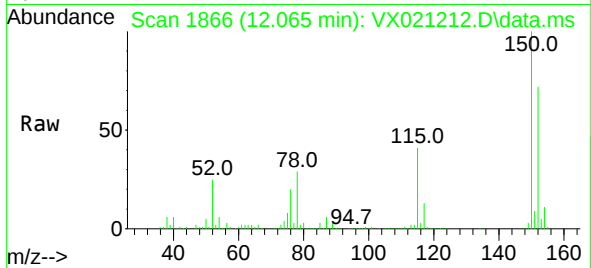




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.065 min Scan# 1866
 Delta R.T. 0.000 min
 Lab File: VX021212.D
 Acq: 15 Mar 2021 20:04

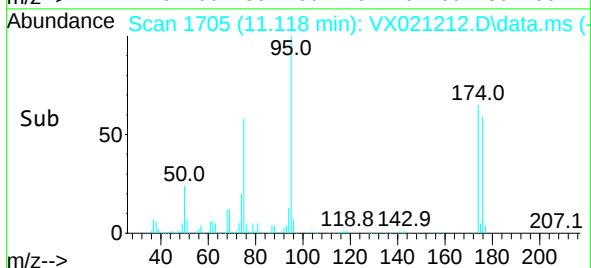
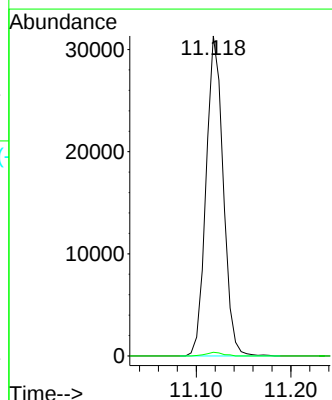
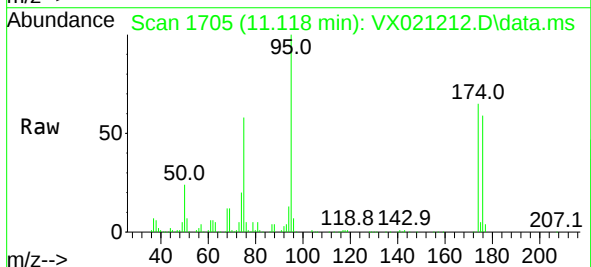
Instrument :
 MSVOA_X
 ClientSampleId :

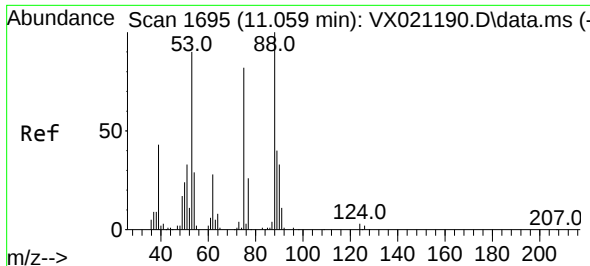
Tgt Ion:152 Resp: 61361
 Ion Ratio Lower Upper
 152 100
 115 63.0 41.1 123.3
 150 153.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.87 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021212.D
 Acq: 15 Mar 2021 20:04

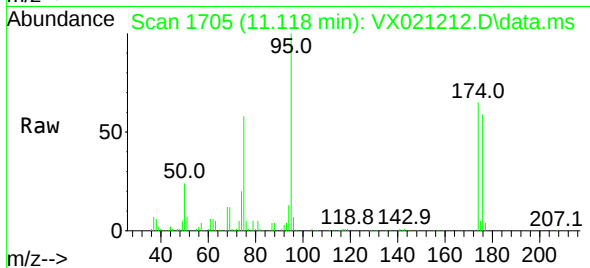
Tgt Ion: 75 Resp: 39354
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#



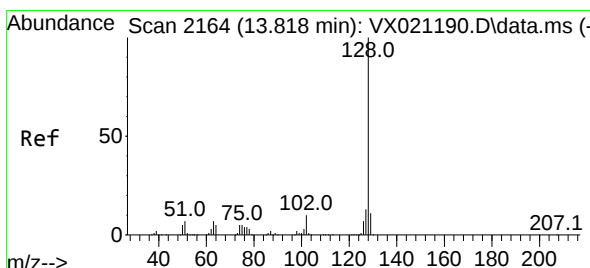
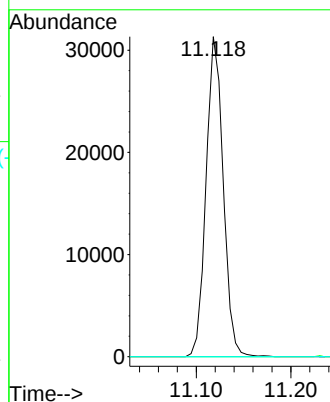
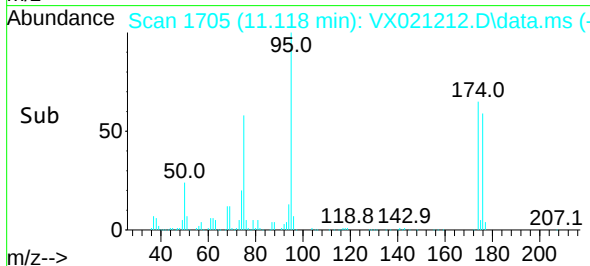


#81
trans-1,4-Dichloro-2-butene
Concen: 73.41 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04

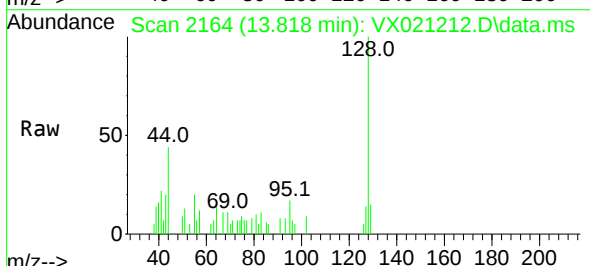
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 39354
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.77 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021212.D
Acq: 15 Mar 2021 20:04



Tgt Ion: 128 Resp: 1430
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 14.1 8.8 13.2#

