

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021313.D
 Acq On : 19 Mar 2021 19:33
 Operator : JC/MD
 Sample : M1687-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 06:36:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

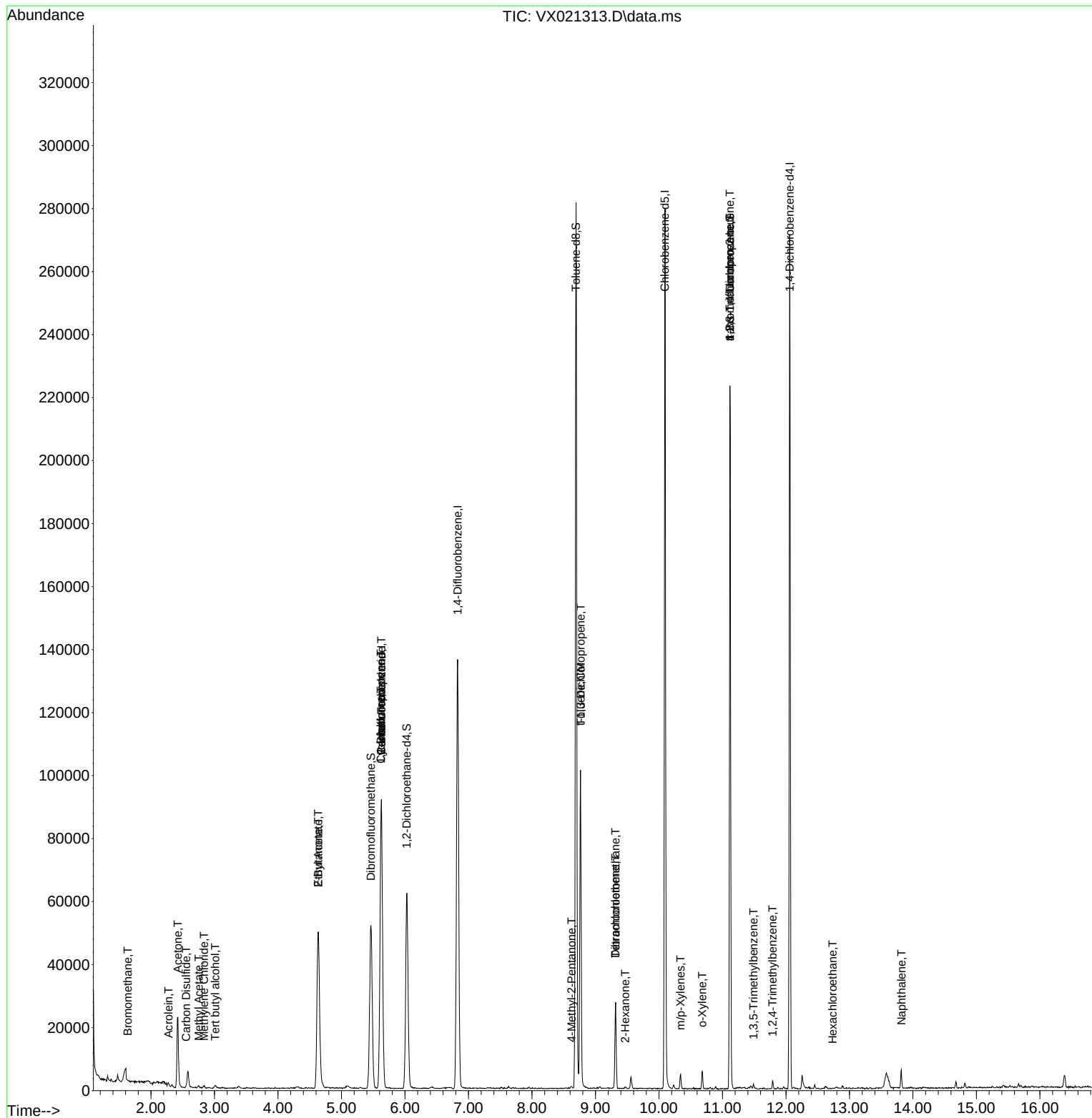
Internal Standards						
1) Pentafluorobenzene	5.629	168	77089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	127886	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	50343	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	60322	47.71	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.42%
35) Dibromofluoromethane	5.464	113	43052	49.47	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.94%
50) Toluene-d8	8.694	98	157270	49.81	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.62%
62) 4-Bromofluorobenzene	11.118	95	56204	45.84	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.68%
Target Compounds					Qvalue	
3) Chloromethane	1.316	50	2286	Below Cal		92
5) Bromomethane	1.634	94	233	0.57 ug/l #		2
11) Tert butyl alcohol	3.011	59	837	3.94 ug/l #		73
13) Acrolein	2.275	56	854	9.77 ug/l		99
16) Acetone	2.422	43	24326	52.29 ug/l		88
17) Carbon Disulfide	2.552	76	597	0.79 ug/l #		75
18) Methyl Acetate	2.752	43	897	0.70 ug/l #		74
20) Methylene Chloride	2.834	84	269	0.28 ug/l #		77
25) 2-Butanone	4.634	43	87275	121.99 ug/l		92
31) Cyclohexane	5.623	56	2299	1.50 ug/l #		34
36) 1,1-Dichloropropene	5.623	75	7259	5.63 ug/l #		48
37) Ethyl Acetate	4.634	43	87275	58.45 ug/l #		65
38) Carbon Tetrachloride	5.629	117	8843	6.61 ug/l #		16
51) 4-Methyl-2-Pentanone	8.623	43	588	0.41 ug/l #		63
52) Toluene	8.764	92	34658	15.78 ug/l		98
53) t-1,3-Dichloropropene	8.764	75	505	0.34 ug/l #		1
59) 2-Hexanone	9.470	43	378	0.35 ug/l #		57
60) Dibromochloromethane	9.317	129	4691	4.58 ug/l #		11
64) Tetrachloroethene	9.317	164	4689	5.69 ug/l		92
68) m/p-Xylenes	10.341	106	869	0.58 ug/l #		63
69) o-Xylene	10.682	106	1150	0.79 ug/l		96
76) 1,2,3-Trichloropropane	11.118	75	32557	27.88 ug/l #		39
80) 1,3,5-Trimethylbenzene	11.488	105	741	0.23 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.118	75	32557	75.69 ug/l #		12
84) 1,2,4-Trimethylbenzene	11.788	105	824	0.26 ug/l		97
90) Hexachloroethane	12.735	117	163	0.33 ug/l #		9
95) Naphthalene	13.818	128	3378	0.95 ug/l		99

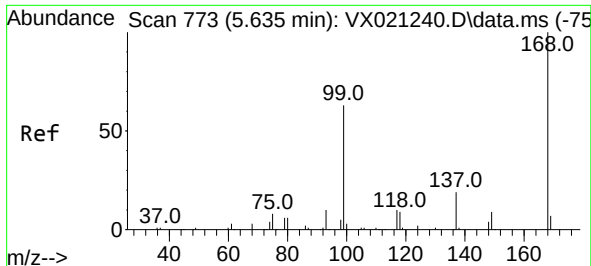
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

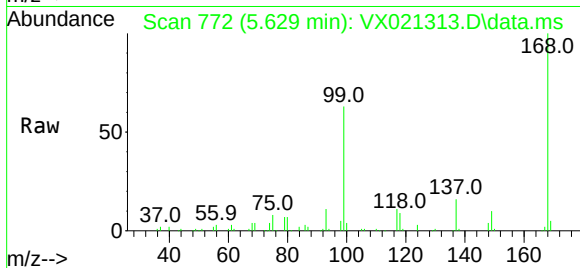
Quant Time: Mar 20 06:36:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration



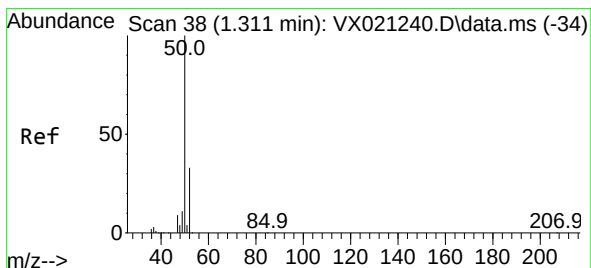
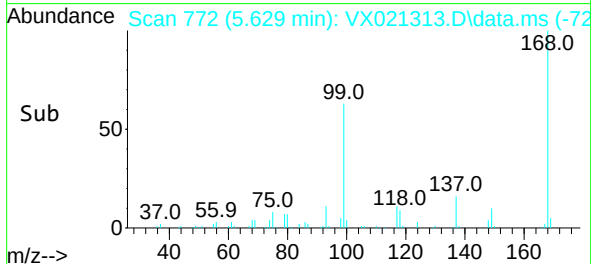
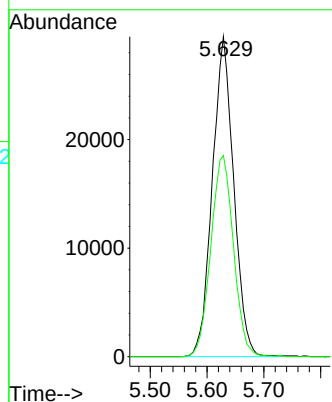


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Instrument :
MSVOA_X
ClientSampleId :

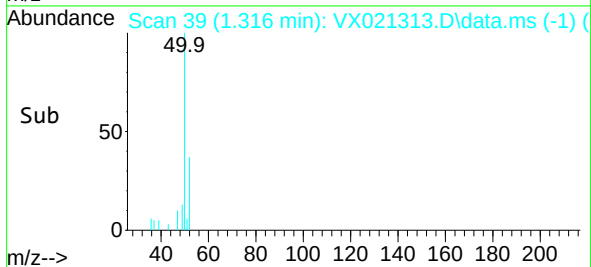
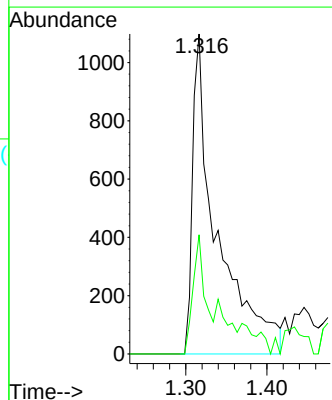
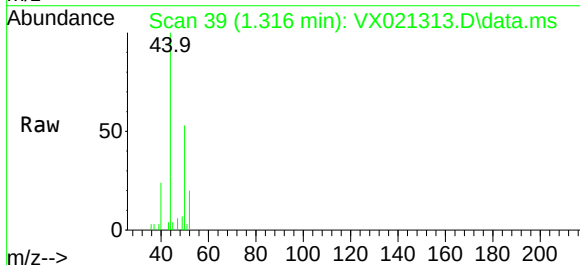


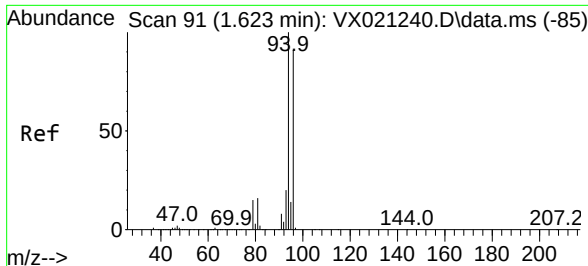
Tgt Ion:168 Resp: 77089
Ion Ratio Lower Upper
168 100
99 62.8 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

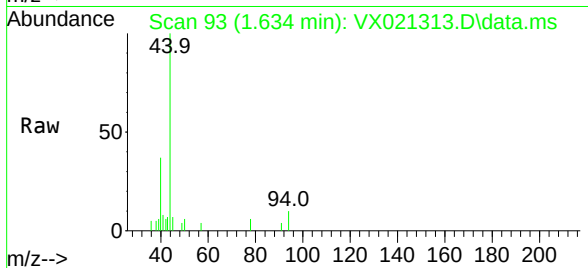
Tgt Ion: 50 Resp: 2286
Ion Ratio Lower Upper
50 100
52 37.2 26.4 39.6



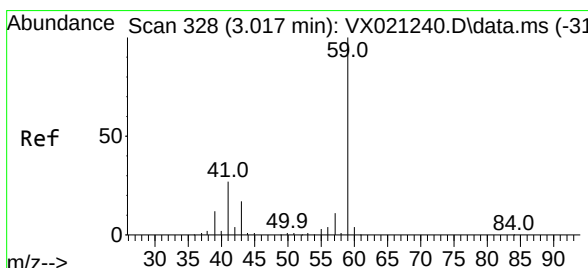
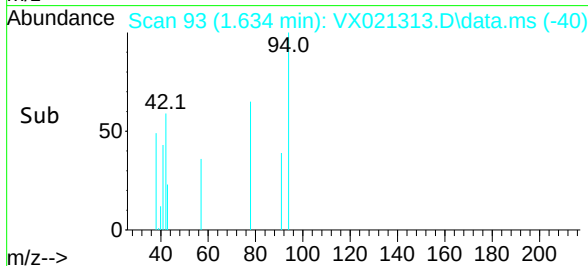
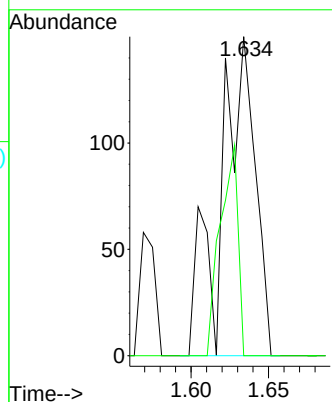


#5
Bromomethane
Concen: 0.57 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Instrument :
MSVOA_X
ClientSampled :

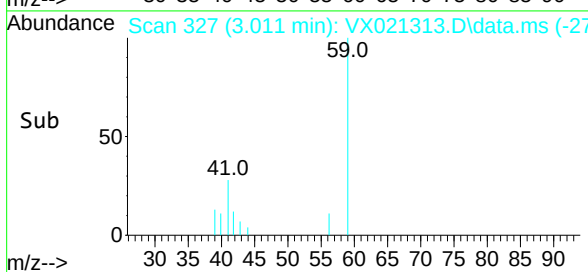
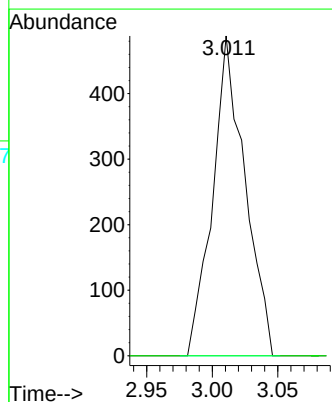
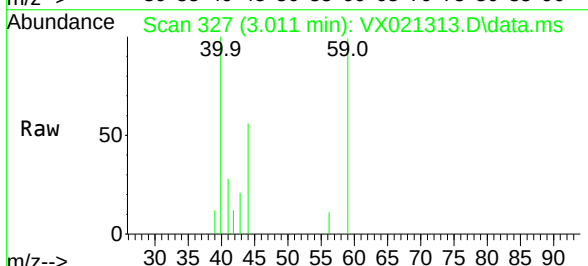


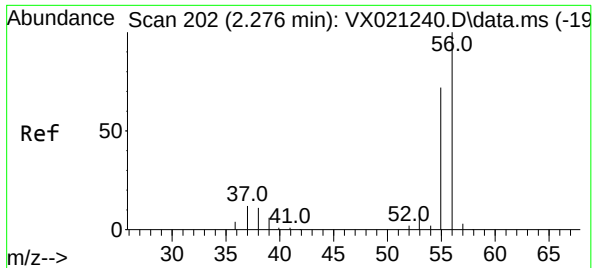
Tgt Ion: 94 Resp: 233
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#11
Tert butyl alcohol
Concen: 3.94 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

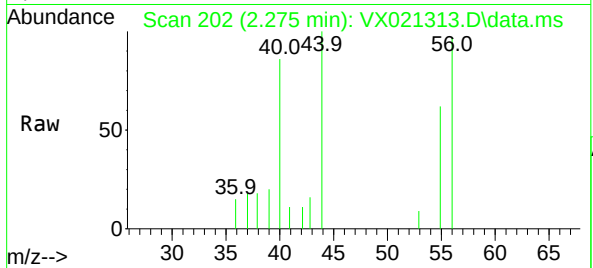
Tgt Ion: 59 Resp: 837
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



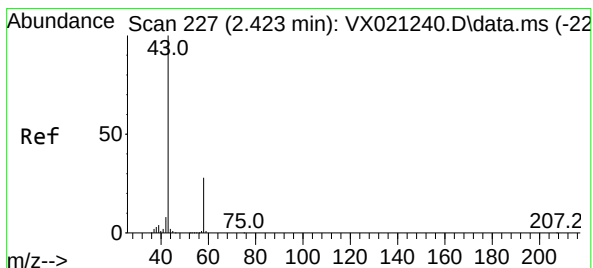
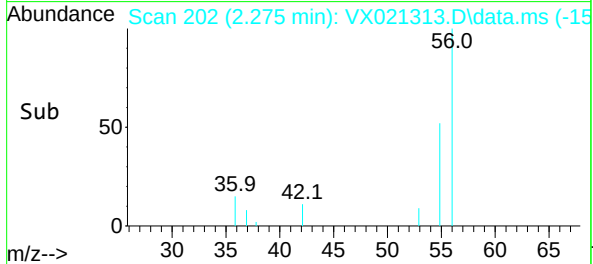
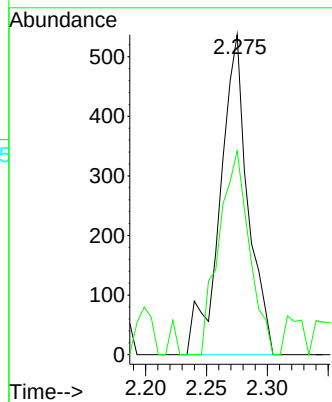


#13
Acrolein
Concen: 9.77 ug/l
RT: 2.275 min Scan# 202
Delta R.T. -0.001 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Instrument :
MSVOA_X
ClientSampled :

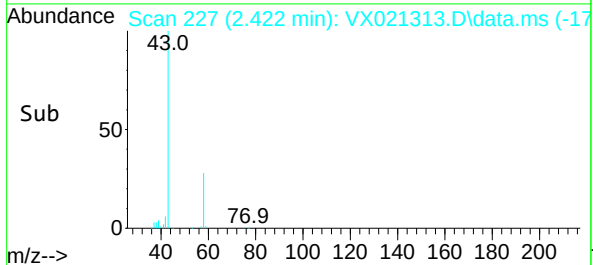
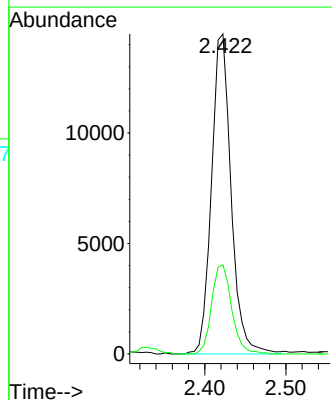
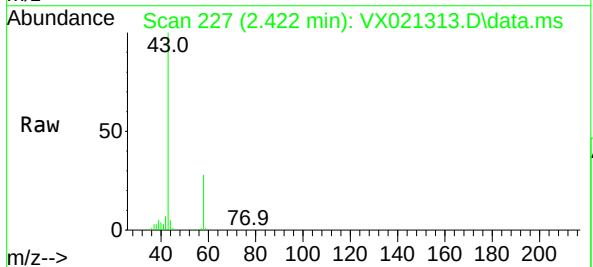


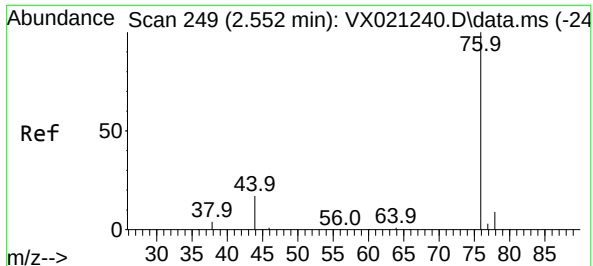
Tgt Ion: 56 Resp: 854
Ion Ratio Lower Upper
56 100
55 69.6 56.4 84.6



#16
Acetone
Concen: 52.29 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Tgt Ion: 43 Resp: 24326
Ion Ratio Lower Upper
43 100
58 27.8 27.8 41.8





#17

Carbon Disulfide

Concen: 0.79 ug/l

RT: 2.552 min Scan# 249

Delta R.T. -0.000 min

Lab File: VX021313.D

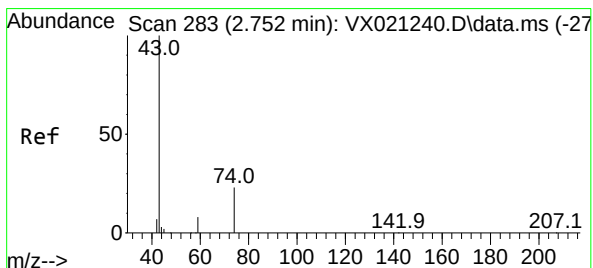
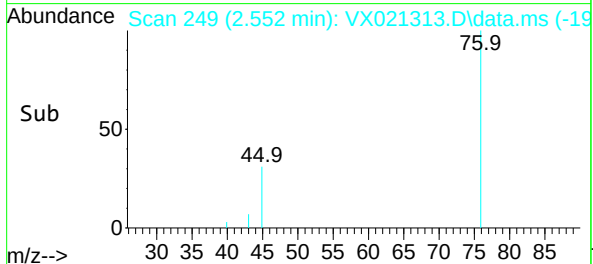
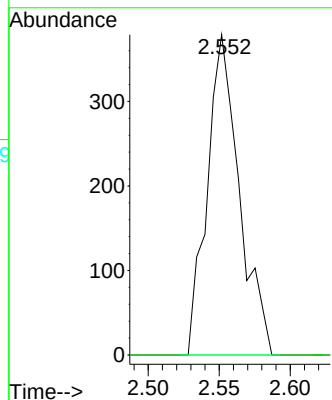
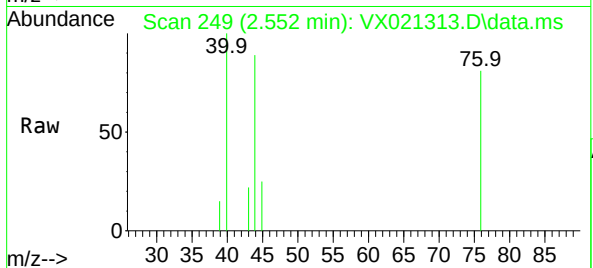
Acq: 19 Mar 2021 19:33

Tgt Ion: 76 Resp: 597

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.70 ug/l

RT: 2.752 min Scan# 283

Delta R.T. -0.000 min

Lab File: VX021313.D

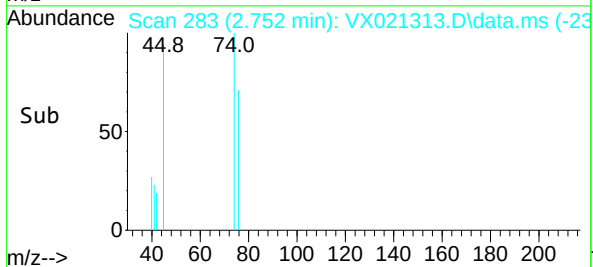
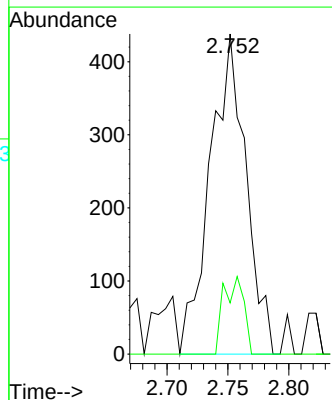
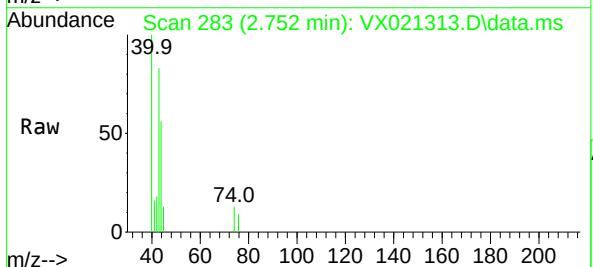
Acq: 19 Mar 2021 19:33

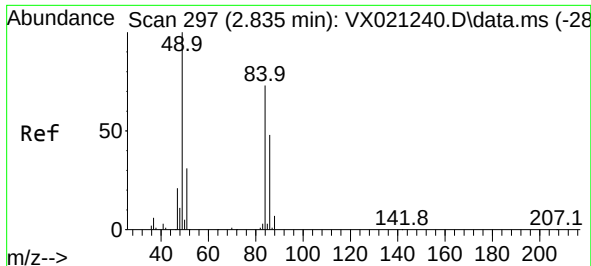
Tgt Ion: 43 Resp: 897

Ion Ratio Lower Upper

43 100

74 13.6 21.9 32.9#





#20

Methylene Chloride

Concen: 0.28 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.001 min

Lab File: VX021313.D

Acq: 19 Mar 2021 19:33

Tgt Ion: 84 Resp: 269

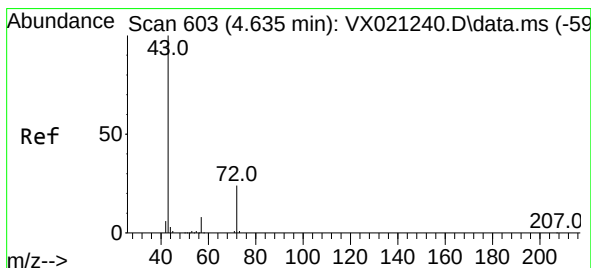
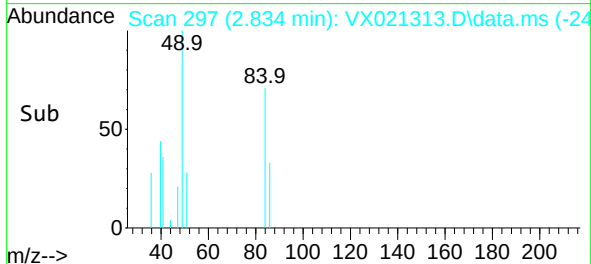
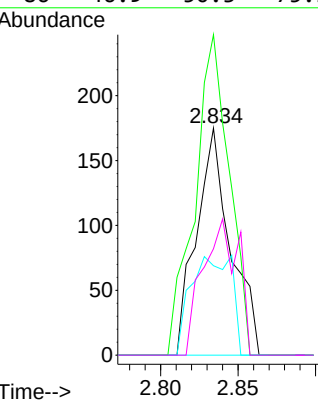
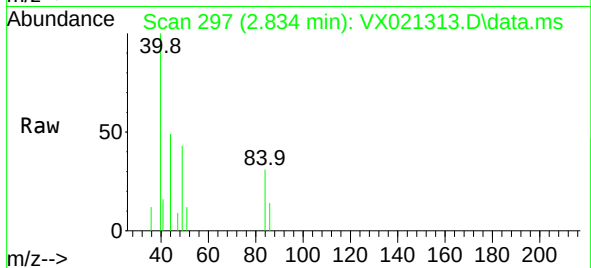
Ion Ratio Lower Upper

84 100

49 141.1 88.6 132.8#

51 39.4 27.0 40.6

86 46.9 50.3 75.5#



#25

2-Butanone

Concen: 121.99 ug/l

RT: 4.634 min Scan# 603

Delta R.T. -0.001 min

Lab File: VX021313.D

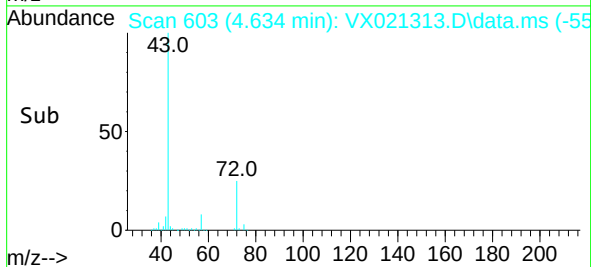
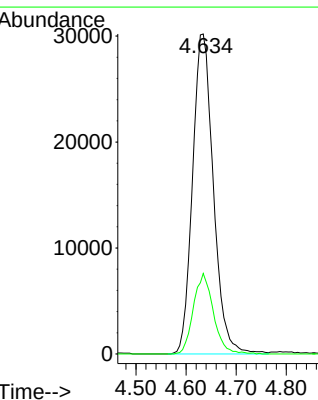
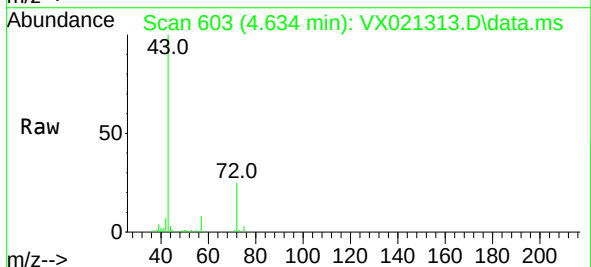
Acq: 19 Mar 2021 19:33

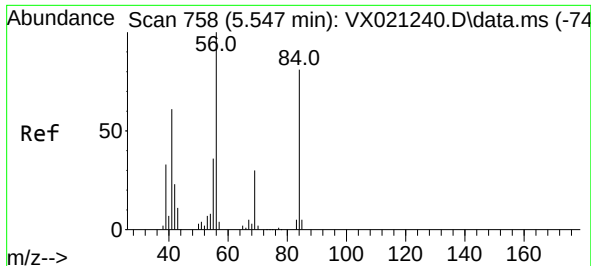
Tgt Ion: 43 Resp: 87275

Ion Ratio Lower Upper

43 100

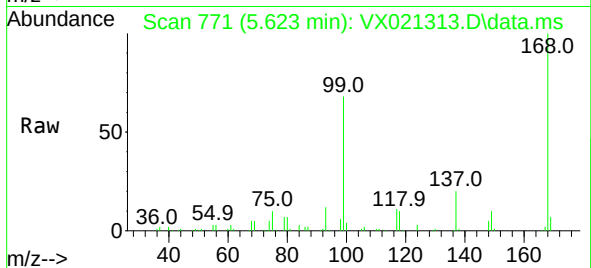
72 25.1 23.7 35.5



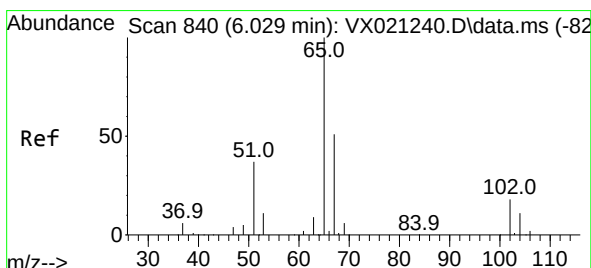
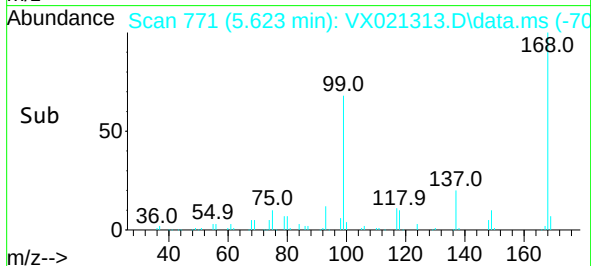
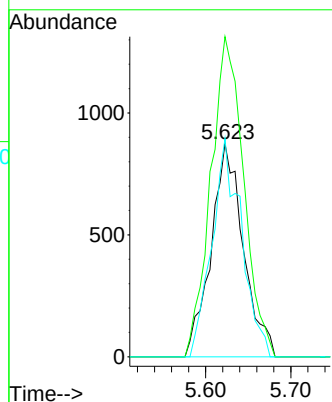


#31
Cyclohexane
Concen: 1.50 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Instrument :
MSVOA_X
ClientSampleId :

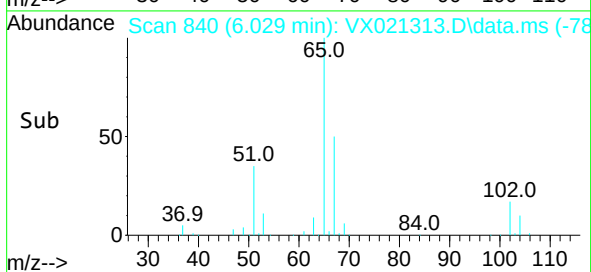
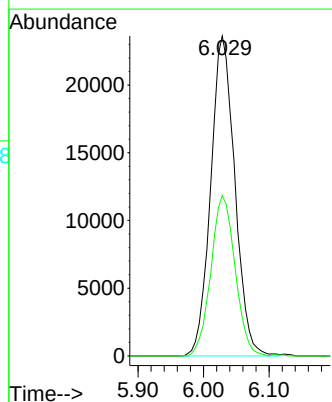
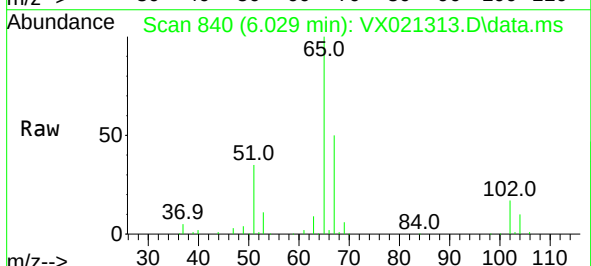


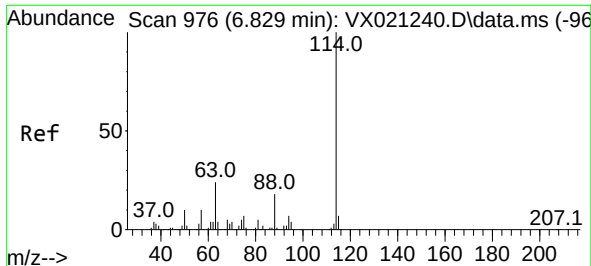
Tgt Ion: 56 Resp: 2299
Ion Ratio Lower Upper
56 100
69 150.1 25.3 37.9#
84 102.3 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 47.71 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

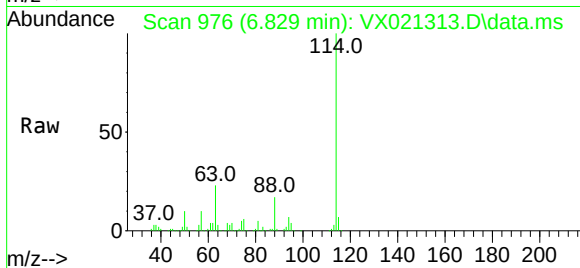
Tgt Ion: 65 Resp: 60322
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4



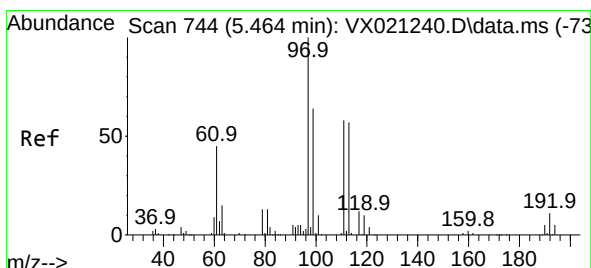
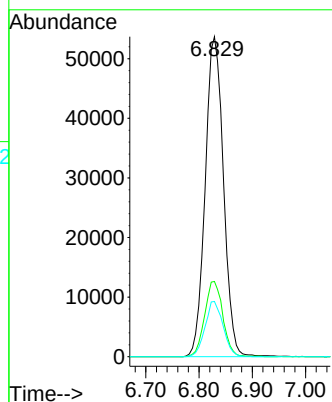
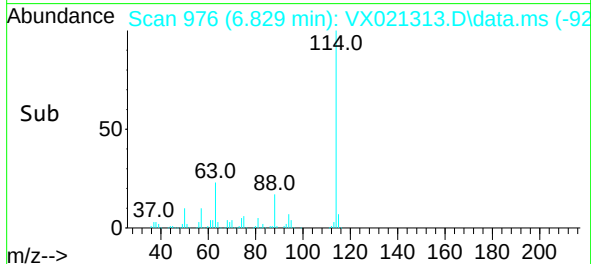


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

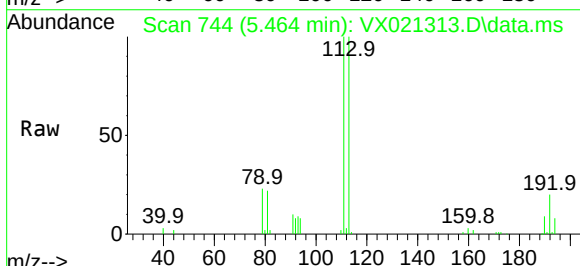
Instrument :
MSVOA_X
ClientSampled :



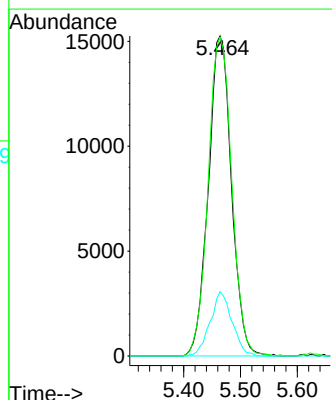
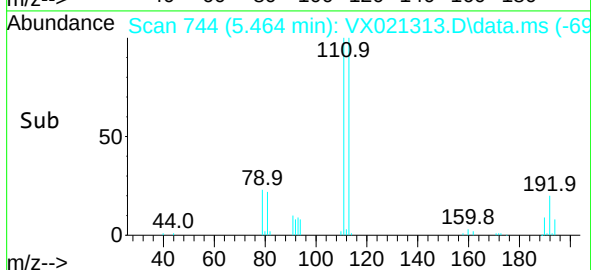
Tgt Ion:114 Resp: 127886
Ion Ratio Lower Upper
114 100
63 23.5 0.0 40.8
88 17.2 0.0 32.8

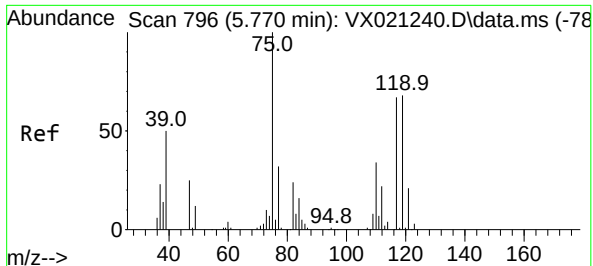


#35
Dibromofluoromethane
Concen: 49.47 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33



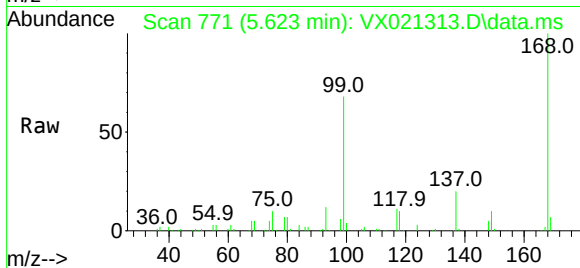
Tgt Ion:113 Resp: 43052
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 19.0 16.7 25.1



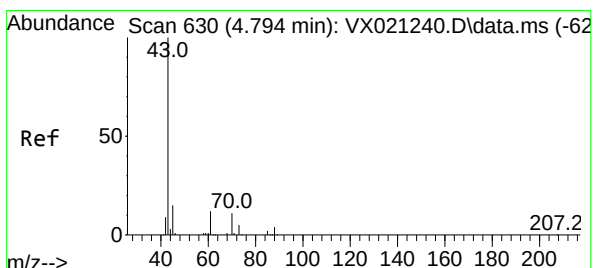
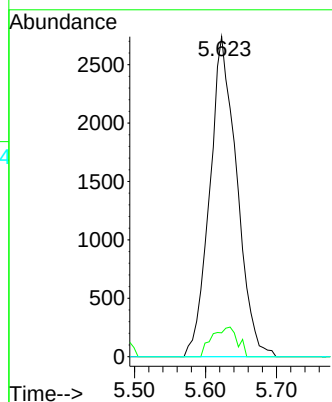
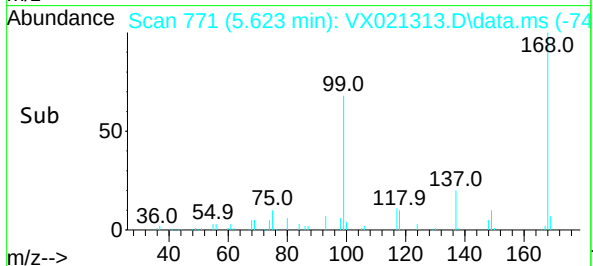


#36
1,1-Dichloropropene
Concen: 5.63 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

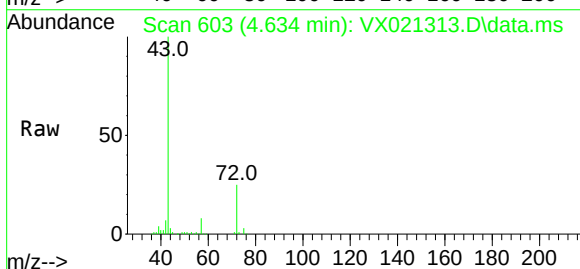
Instrument :
MSVOA_X
ClientSampled :



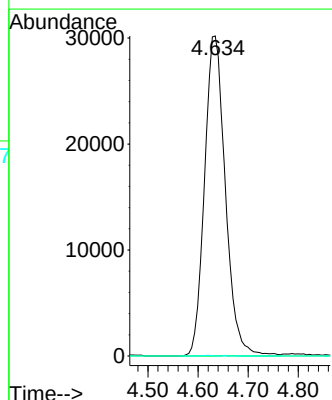
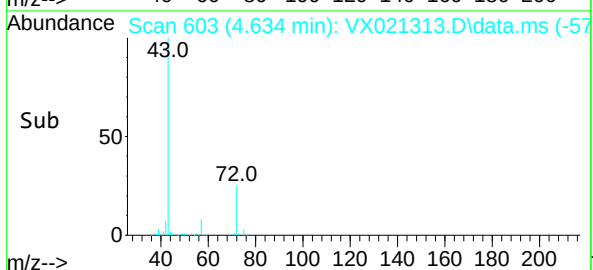
Tgt Ion: 75 Resp: 7259
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#

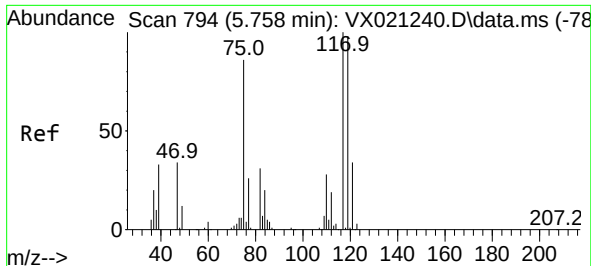


#37
Ethyl Acetate
Concen: 58.45 ug/l
RT: 4.634 min Scan# 603
Delta R.T. -0.160 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33



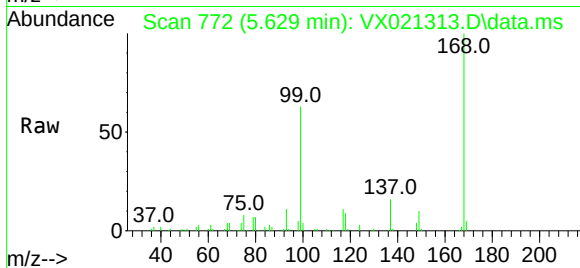
Tgt Ion: 43 Resp: 87275
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



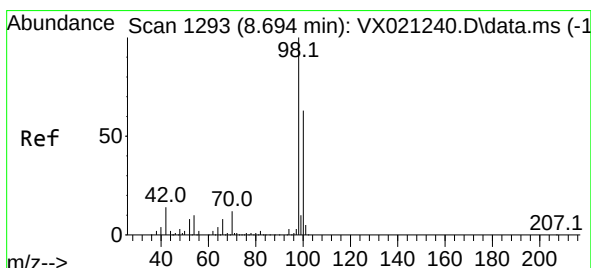
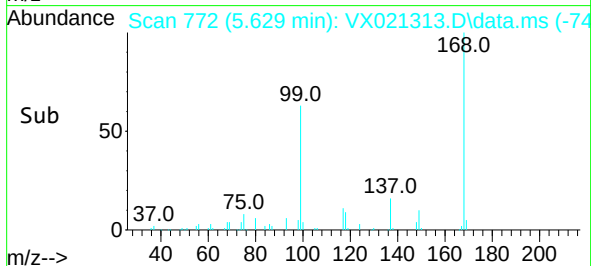
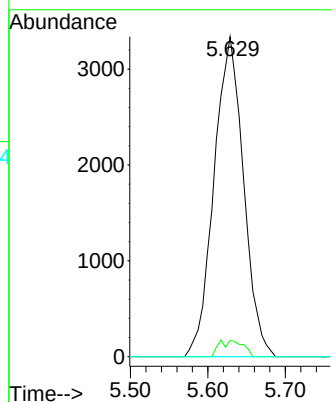


#38
Carbon Tetrachloride
Concen: 6.61 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Instrument :
MSVOA_X
ClientSampled :

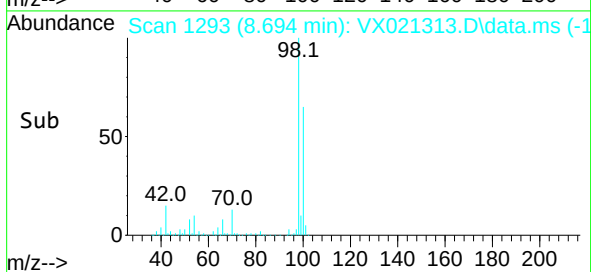
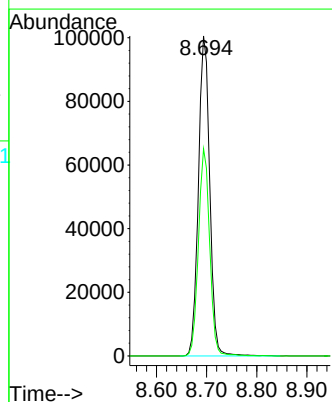
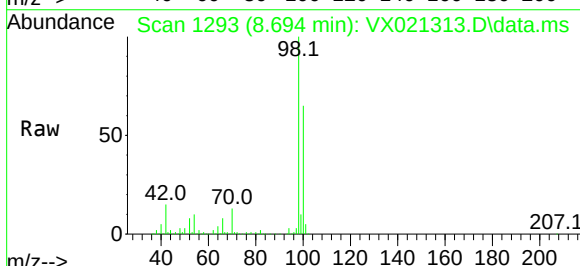


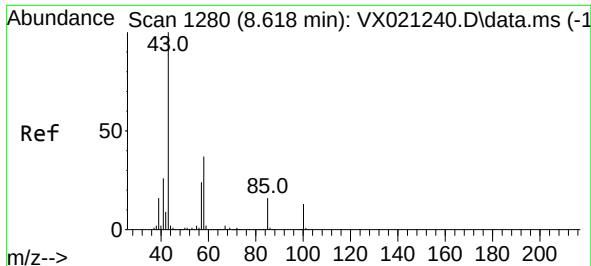
Tgt Ion:117 Resp: 8843
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.81 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Tgt Ion: 98 Resp: 157270
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

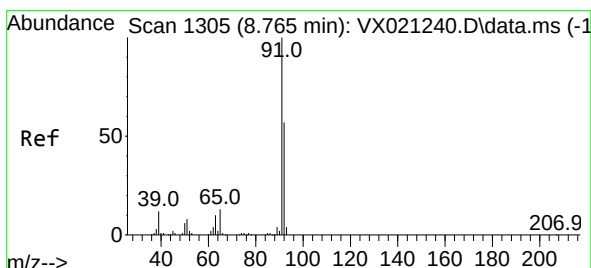
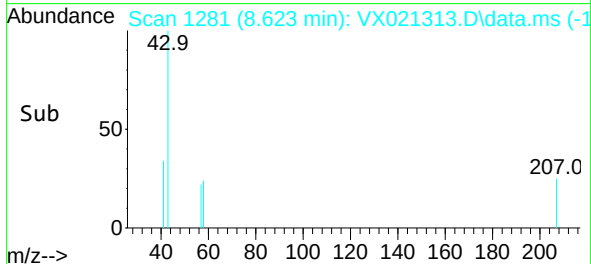
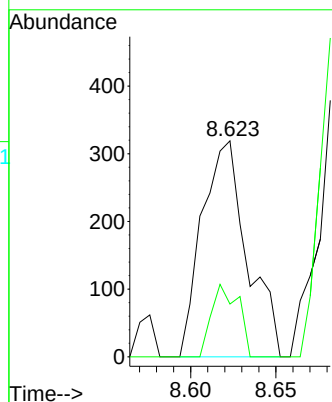
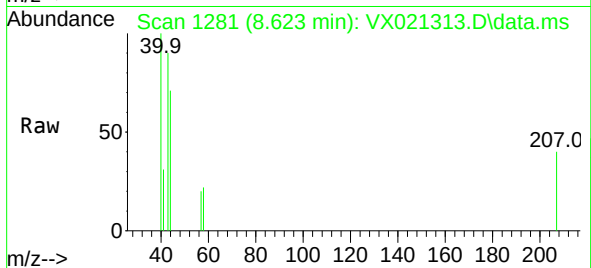




#51
4-Methyl-2-Pentanone
Concen: 0.41 ug/l
RT: 8.623 min Scan# 1281
Delta R.T. 0.005 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

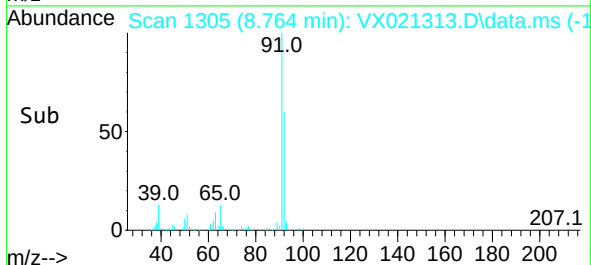
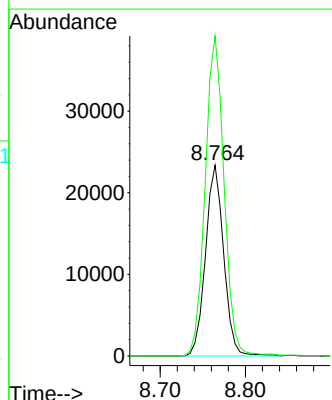
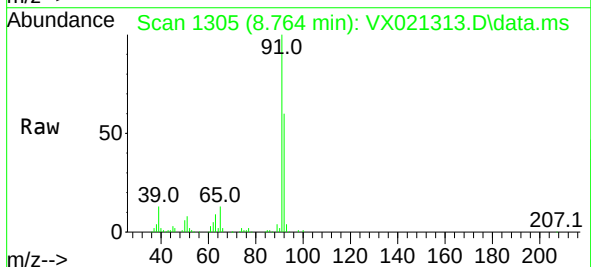
Instrument :
MSVOA_X
ClientSampled :

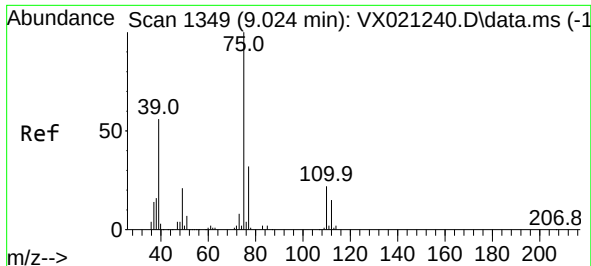
Tgt Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
58 19.9 35.4 53.0#



#52
Toluene
Concen: 15.78 ug/l
RT: 8.764 min Scan# 1305
Delta R.T. -0.001 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Tgt Ion: 92 Resp: 34658
Ion Ratio Lower Upper
92 100
91 174.7 137.1 205.7

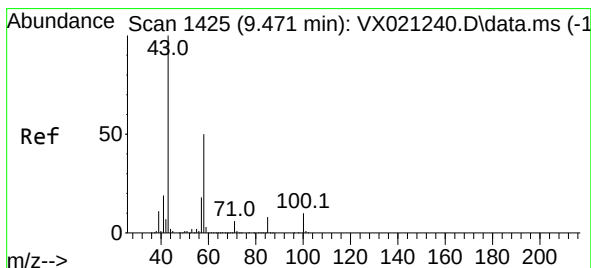
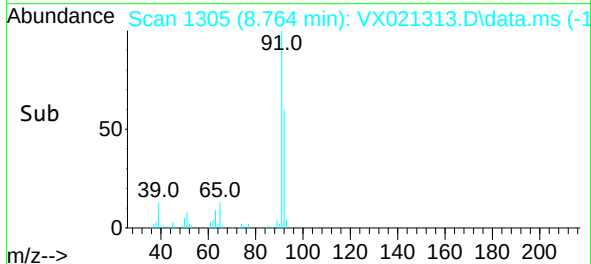
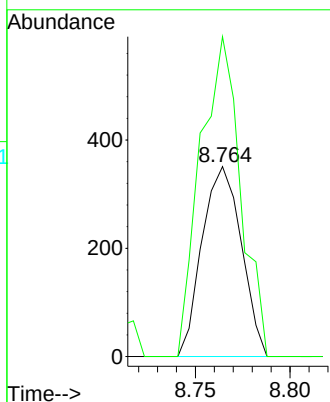
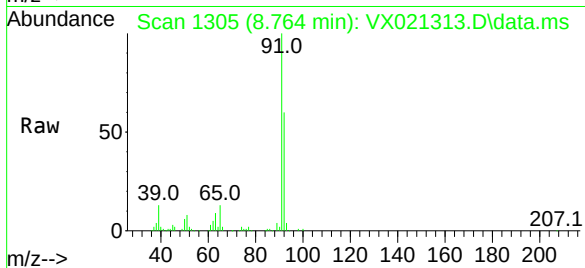




#53
t-1,3-Dichloropropene
Concen: 0.34 ug/l
RT: 8.764 min Scan# 1305
Delta R.T. -0.260 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

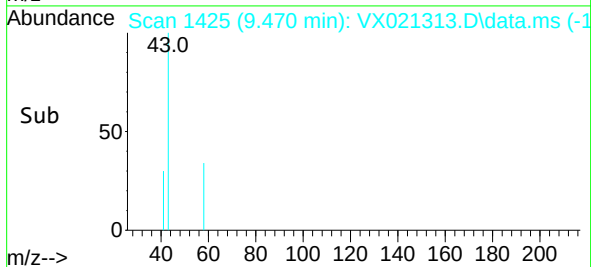
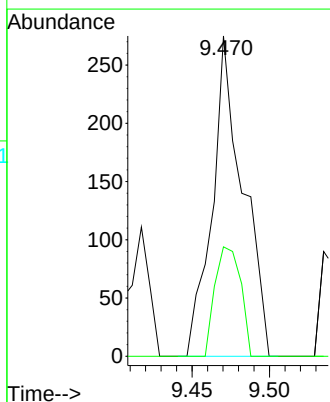
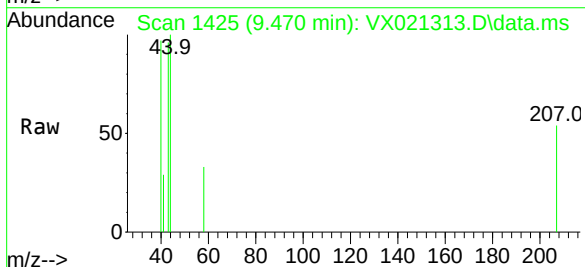
Instrument :
MSVOA_X
ClientSampled :

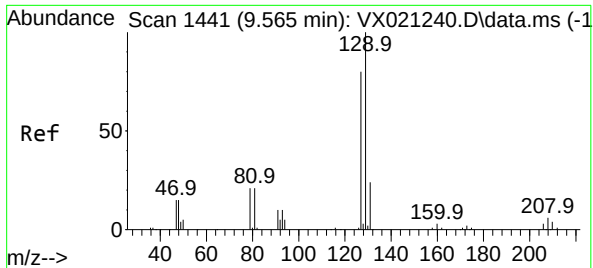
Tgt Ion: 75 Resp: 505
Ion Ratio Lower Upper
75 100
77 168.4 24.9 37.3#



#59
2-Hexanone
Concen: 0.35 ug/l
RT: 9.470 min Scan# 1425
Delta R.T. -0.001 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
58 28.6 30.9 92.8#

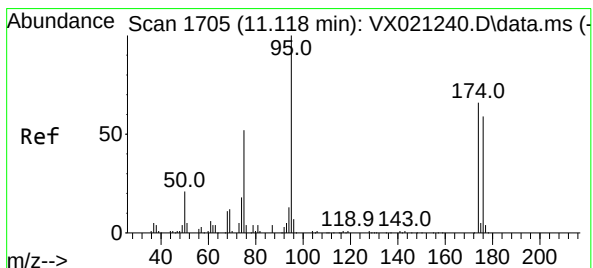
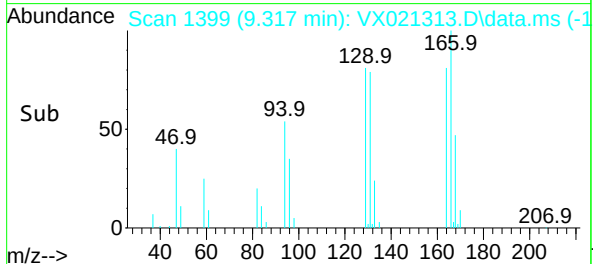
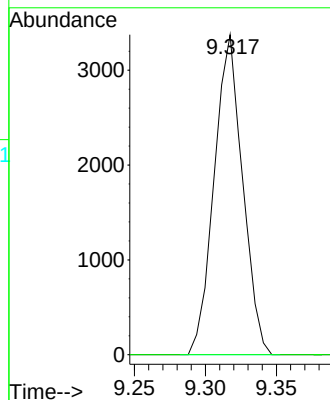
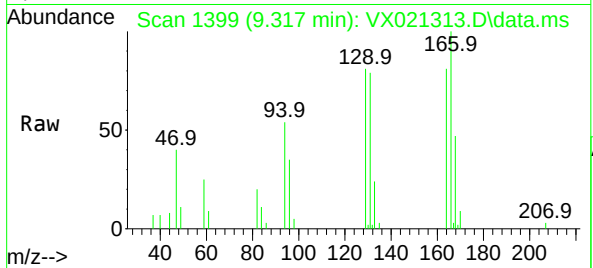




#60
Dibromochloromethane
Concen: 4.58 ug/l
RT: 9.317 min Scan# 1399
Delta R.T. -0.248 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

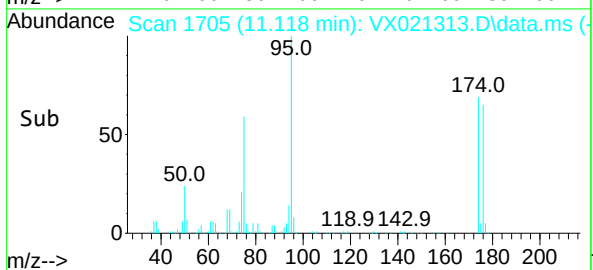
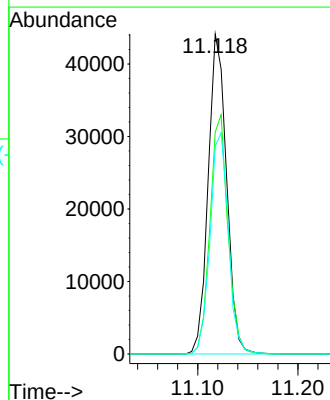
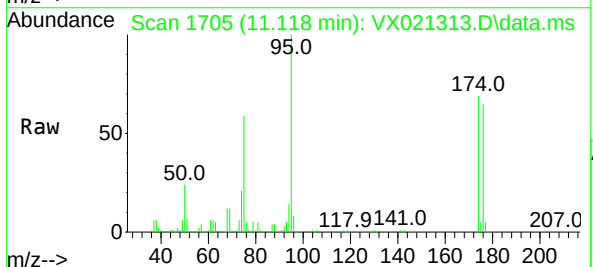
Instrument :
MSVOA_X
ClientSampled :

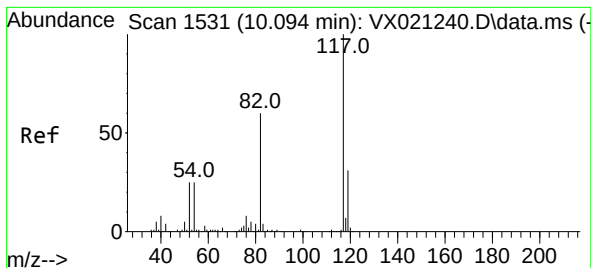
Tgt Ion:129 Resp: 4691
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.84 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Tgt Ion: 95 Resp: 56204
Ion Ratio Lower Upper
95 100
174 73.3 0.0 154.6
176 69.2 0.0 155.8

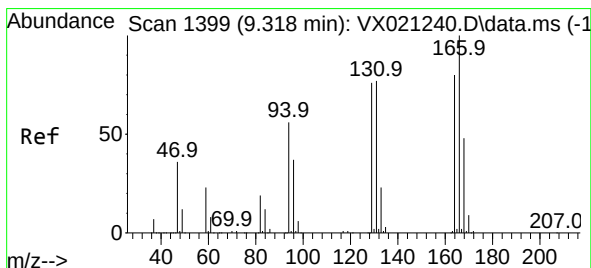
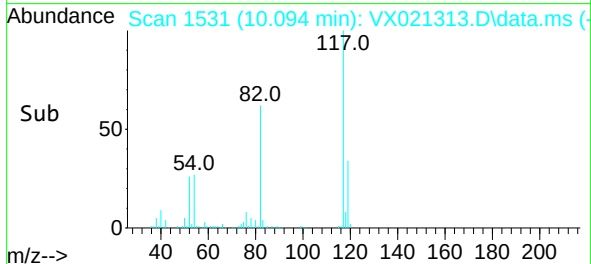
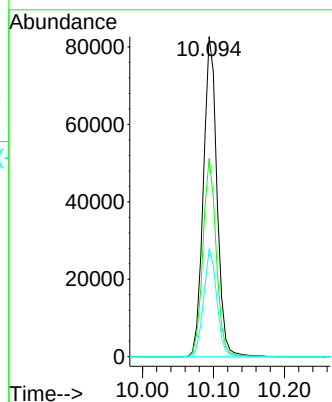
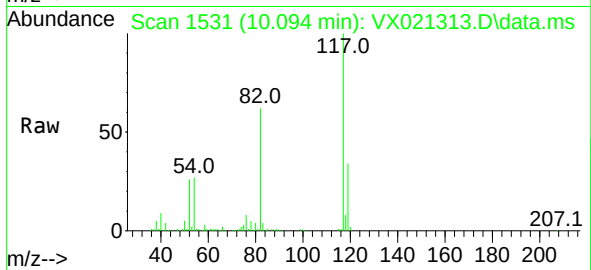




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

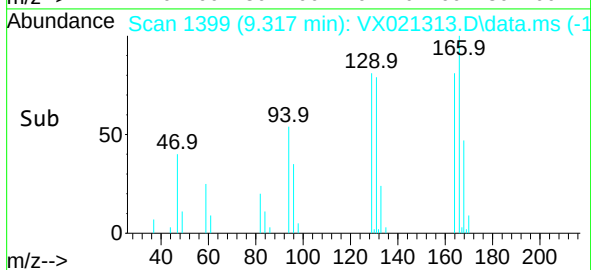
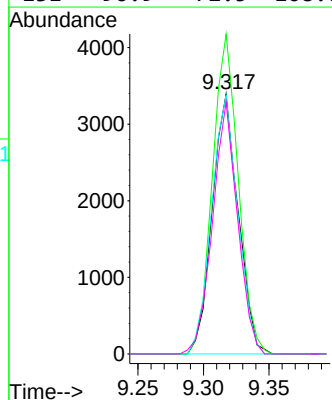
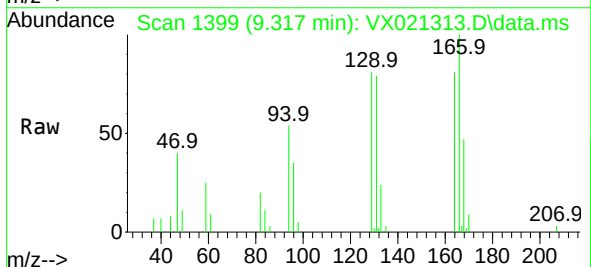
Instrument :
MSVOA_X
ClientSampled :

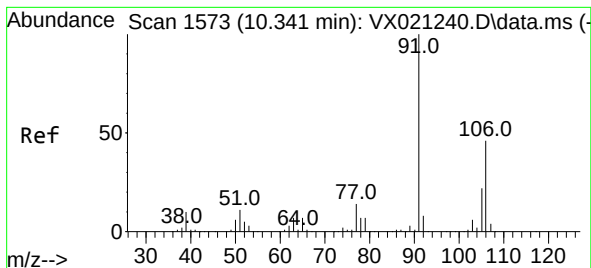
Tgt Ion:117 Resp: 110308
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.2
119 33.6 26.6 39.8



#64
Tetrachloroethene
Concen: 5.69 ug/l
RT: 9.317 min Scan# 1399
Delta R.T. -0.001 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Tgt Ion:164 Resp: 4689
Ion Ratio Lower Upper
164 100
166 123.1 103.4 155.2
129 99.4 70.8 106.2
131 96.9 72.5 108.7

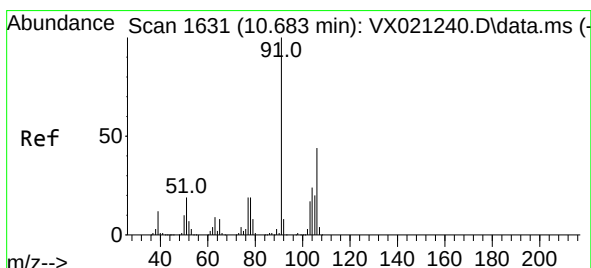
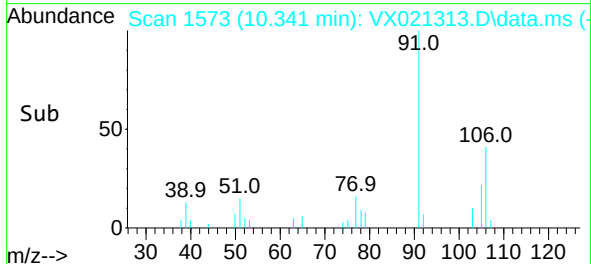
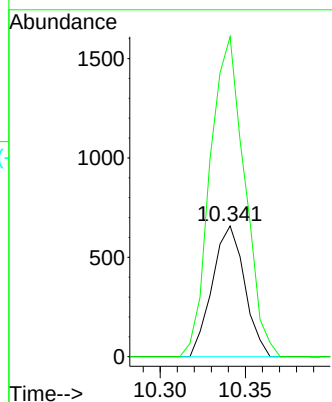
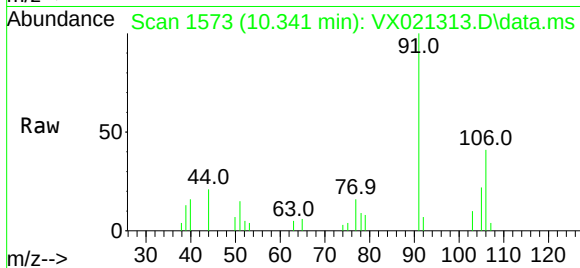




#68
m/p-Xylenes
Concen: 0.58 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

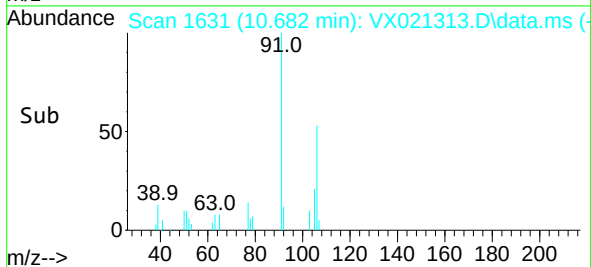
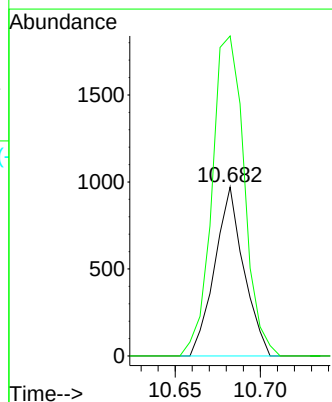
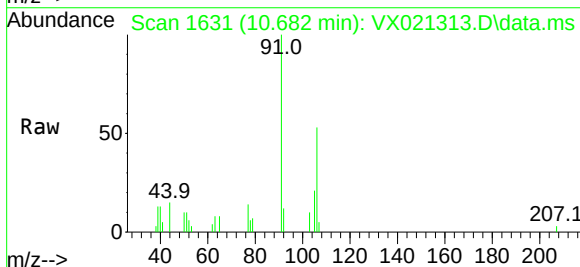
Instrument :
MSVOA_X
ClientSampleId :

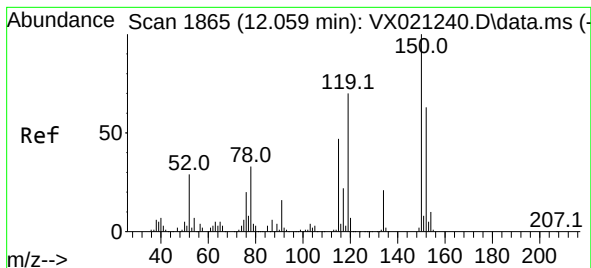
Tgt Ion:106 Resp: 869
Ion Ratio Lower Upper
106 100
91 260.9 162.8 244.2#



#69
o-Xylene
Concen: 0.79 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. -0.001 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Tgt Ion:106 Resp: 1150
Ion Ratio Lower Upper
106 100
91 210.3 108.1 324.2

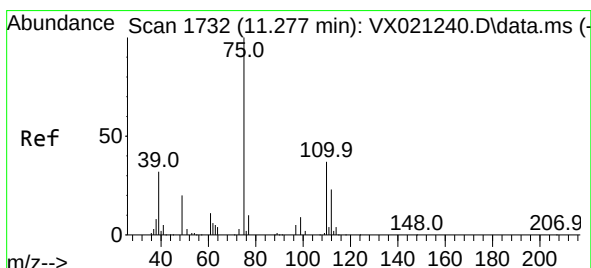
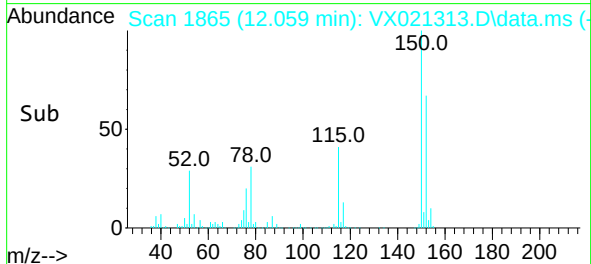
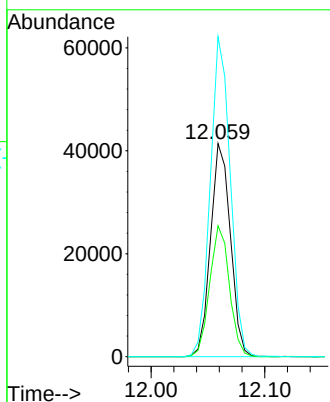
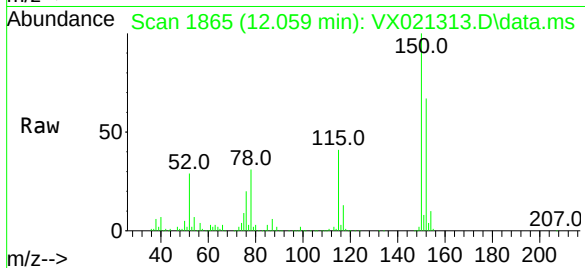




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. -0.000 min
 Lab File: VX021313.D
 Acq: 19 Mar 2021 19:33

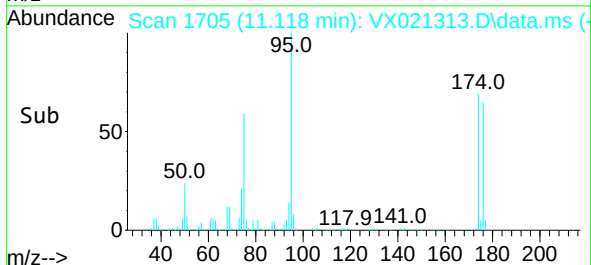
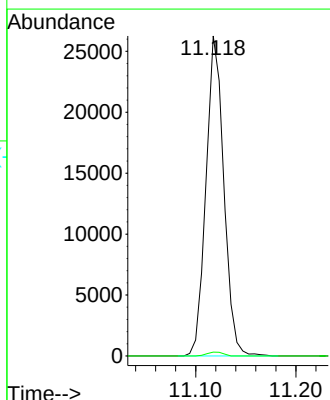
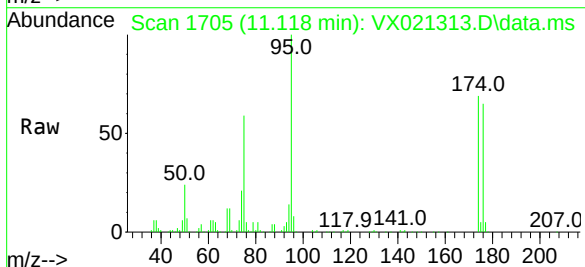
Instrument :
 MSVOA_X
 ClientSampled :

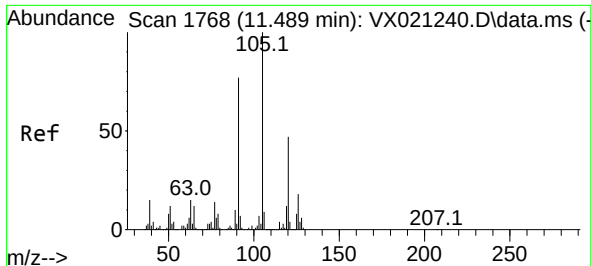
Tgt Ion:152 Resp: 50343
 Ion Ratio Lower Upper
 152 100
 115 60.8 41.1 123.3
 150 150.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.88 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021313.D
 Acq: 19 Mar 2021 19:33

Tgt Ion: 75 Resp: 32557
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

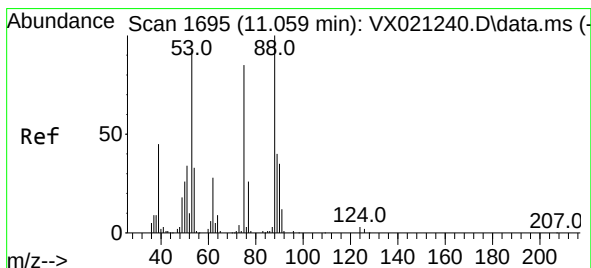
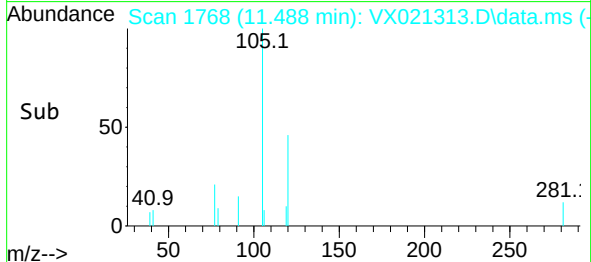
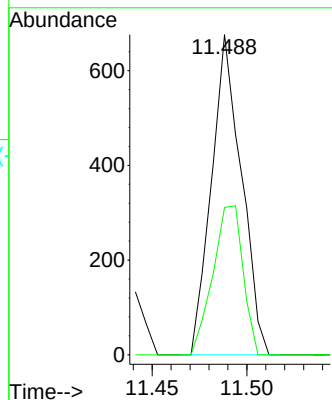
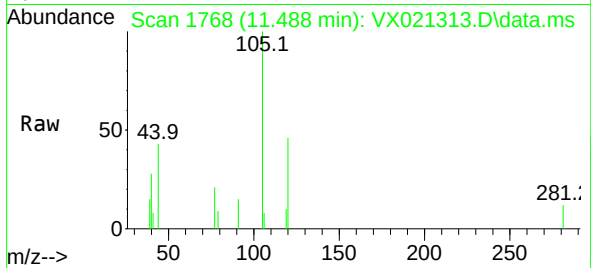




#80
1,3,5-Trimethylbenzene
Concen: 0.23 ug/l
RT: 11.488 min Scan# 1768
Delta R.T. -0.001 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

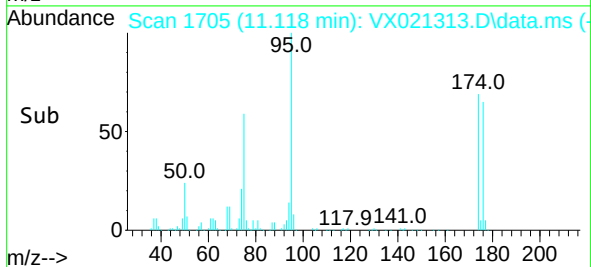
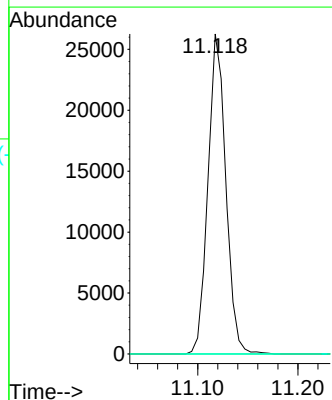
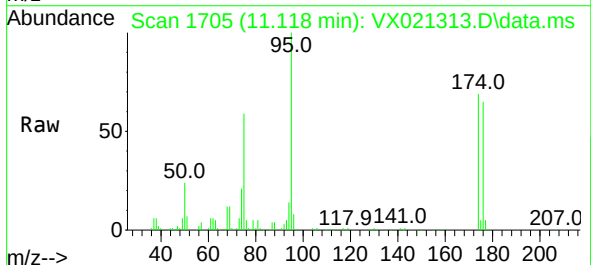
Instrument :
MSVOA_X
ClientSampleId :

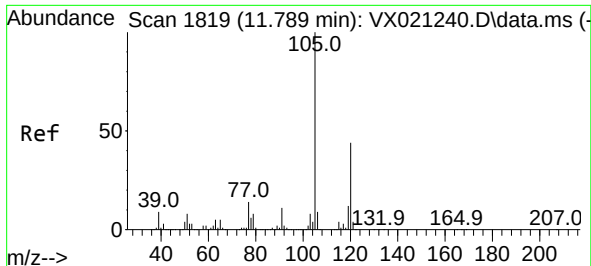
Tgt Ion:105 Resp: 741
Ion Ratio Lower Upper
105 100
120 46.8 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 75.69 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Tgt Ion: 75 Resp: 32557
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

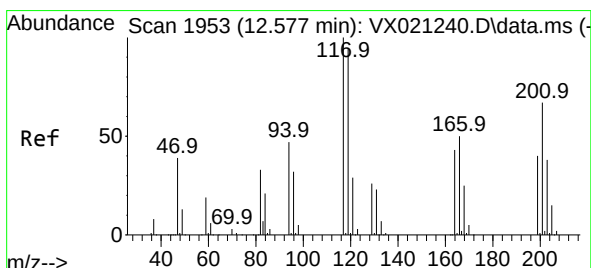
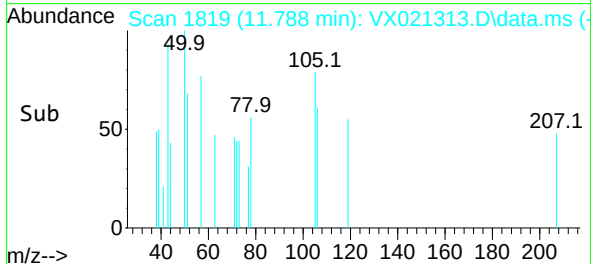
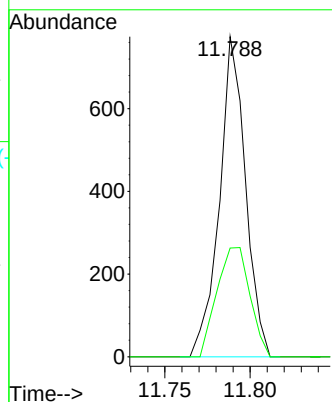
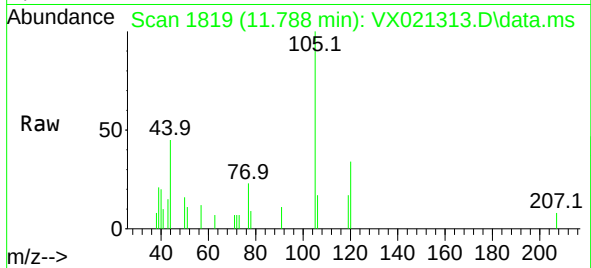




#84
1,2,4-Trimethylbenzene
Concen: 0.26 ug/l
RT: 11.788 min Scan# 1819
Delta R.T. -0.001 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

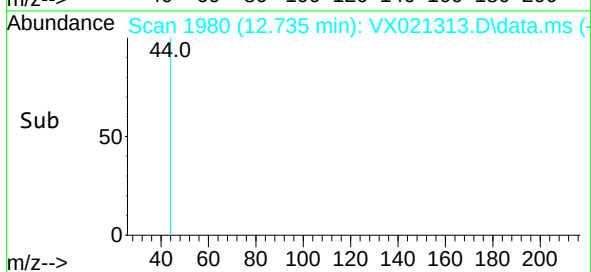
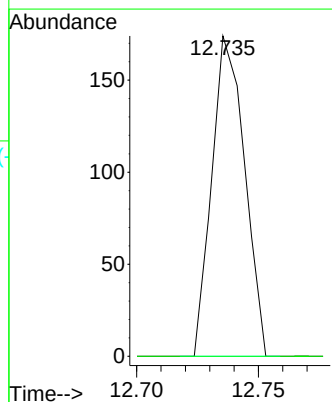
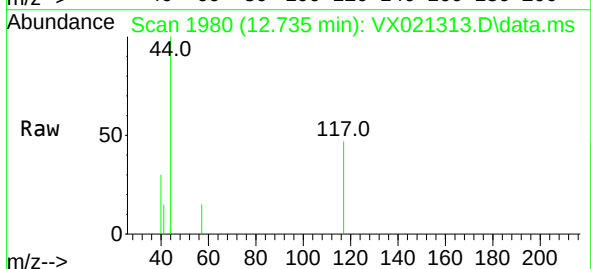
Instrument :
MSVOA_X
ClientSampled :

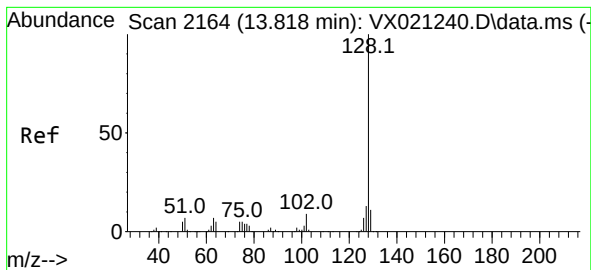
Tgt Ion:105 Resp: 824
Ion Ratio Lower Upper
105 100
120 43.1 22.4 67.3



#90
Hexachloroethane
Concen: 0.33 ug/l
RT: 12.735 min Scan# 1980
Delta R.T. 0.158 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

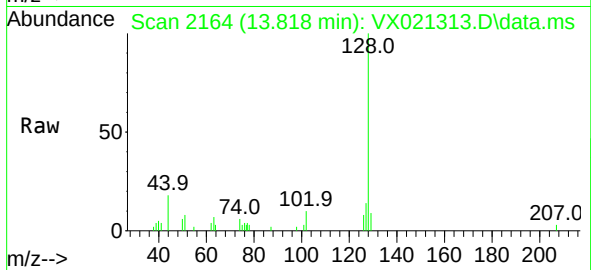
Tgt Ion:117 Resp: 163
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 0.95 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. -0.000 min
Lab File: VX021313.D
Acq: 19 Mar 2021 19:33

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 3378

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.5	8.8	13.2

