

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032521\
 Data File : VX021517.D
 Acq On : 26 Mar 2021 04:02
 Operator : JC/MD
 Sample : M1796-02 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 26 06:35:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

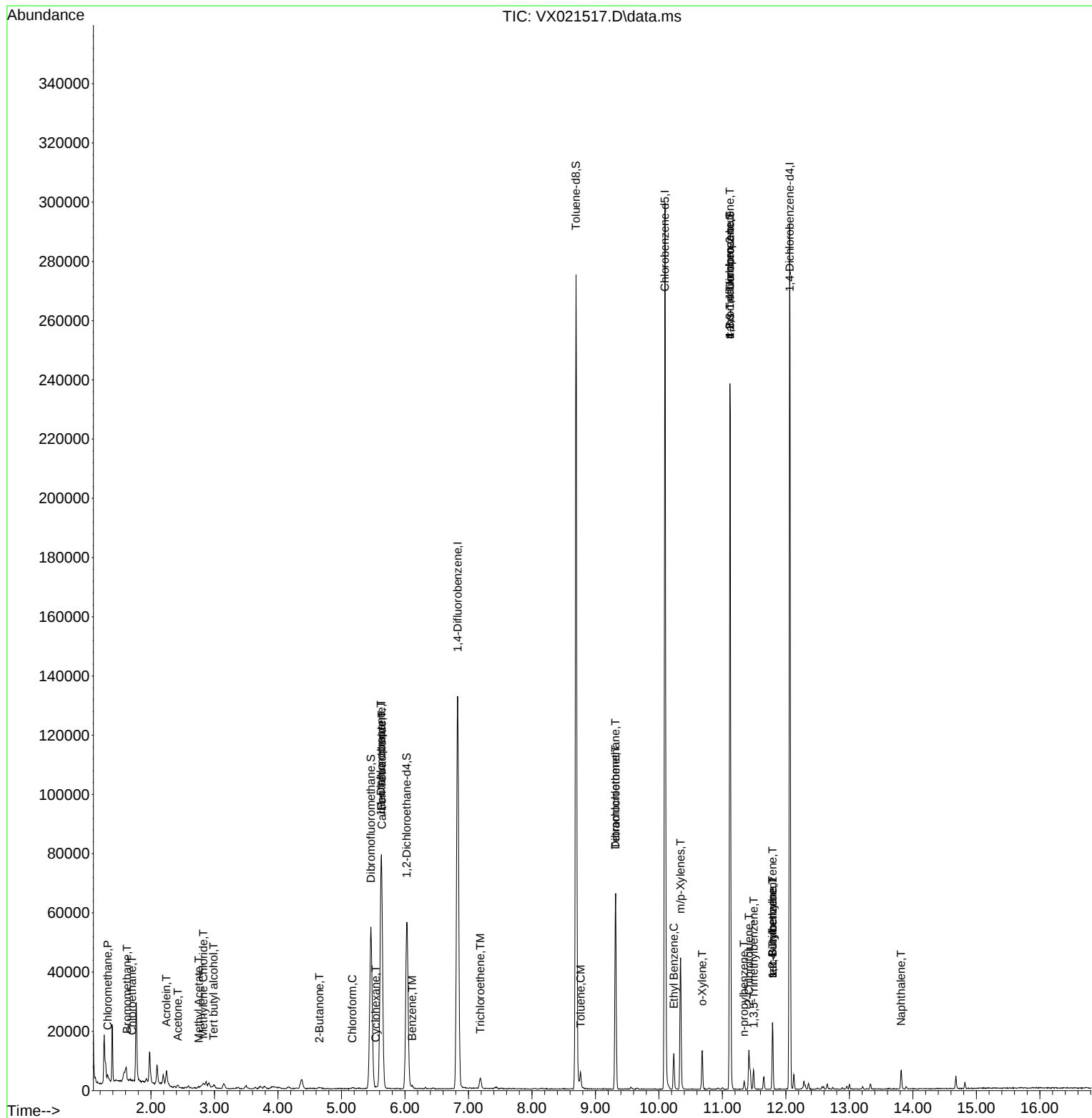
Internal Standards						
1) Pentafluorobenzene	5.629	168	70210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	124699	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	123941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	53464	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	56736	48.57	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.14%		
35) Dibromofluoromethane	5.464	113	43374	48.97	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.94%		
50) Toluene-d8	8.694	98	153531	48.64	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.28%		
62) 4-Bromofluorobenzene	11.118	95	62570	50.99	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.98%		
Target Compounds						Qvalue
3) Chloromethane	1.317	50	2499	2.86	ug/l	93
5) Bromomethane	1.623	94	133	0.42	ug/l #	57
6) Chloroethane	1.699	64	306	0.61	ug/l #	43
11) Tert butyl alcohol	2.987	59	810	4.19	ug/l #	73
13) Acrolein	2.240	56	240	6.72	ug/l #	1
16) Acetone	2.423	43	1050	2.38	ug/l #	77
18) Methyl Acetate	2.752	43	449	0.35	ug/l #	47
20) Methylene Chloride	2.823	84	217	0.25	ug/l #	83
25) 2-Butanone	4.652	43	622	0.93	ug/l #	45
30) Chloroform	5.170	83	432	0.27	ug/l	87
31) Cyclohexane	5.541	56	269	0.21	ug/l #	56
36) 1,1-Dichloropropene	5.623	75	6044	4.95	ug/l #	49
38) Carbon Tetrachloride	5.635	117	7708	5.87	ug/l #	15
40) Benzene	6.111	78	868	0.25	ug/l	94
44) Trichloroethene	7.188	130	1236	1.35	ug/l	99
52) Toluene	8.765	92	1598	0.75	ug/l	100
60) Dibromochloromethane	9.318	129	11244	11.10	ug/l #	11
64) Tetrachloroethene	9.318	164	11556	13.92	ug/l	94
67) Ethyl Benzene	10.235	91	6716	1.48	ug/l	95
68) m/p-Xylenes	10.341	106	10085	6.24	ug/l	95
69) o-Xylene	10.683	106	2505	1.60	ug/l	87
76) 1,2,3-Trichloropropane	11.118	75	34709	27.89	ug/l #	38
78) n-propylbenzene	11.341	91	1506	0.34	ug/l	95
79) 2-Chlorotoluene	11.418	91	1190	0.44	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.494	105	2526	0.79	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.118	75	34709	84.94	ug/l #	12
83) tert-Butylbenzene	11.789	119	1074	0.34	ug/l #	39
84) 1,2,4-Trimethylbenzene	11.789	105	9250	2.86	ug/l	98
85) sec-Butylbenzene	11.789	105	9250	2.57	ug/l #	57
95) Naphthalene	13.812	128	3977	1.14	ug/l	97

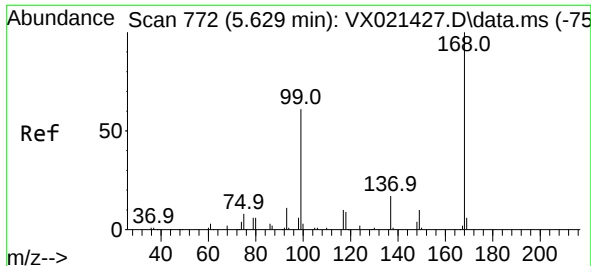
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampled :

Quant Time: Mar 26 06:35:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
Quant Title : SW846 8260
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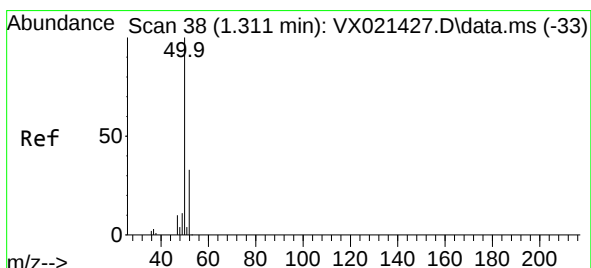
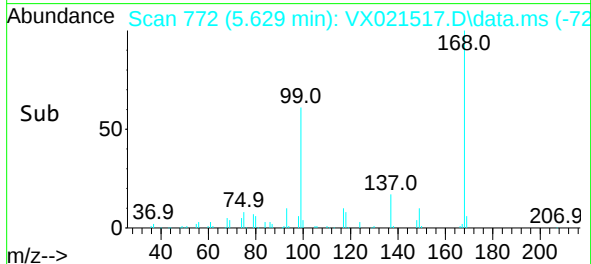
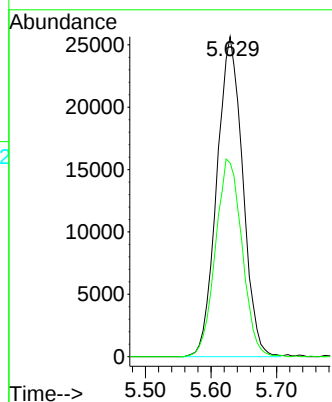
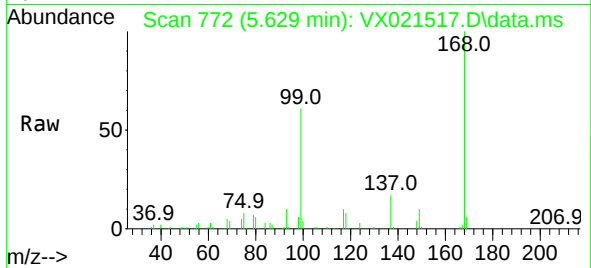




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

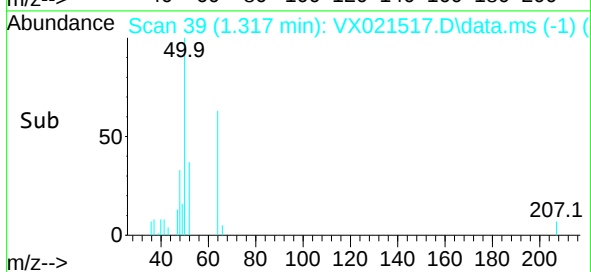
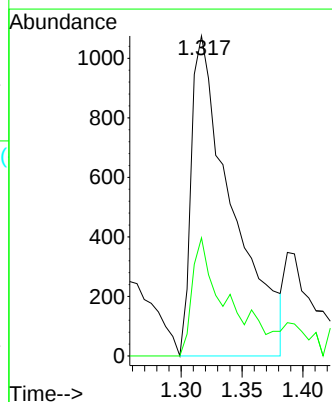
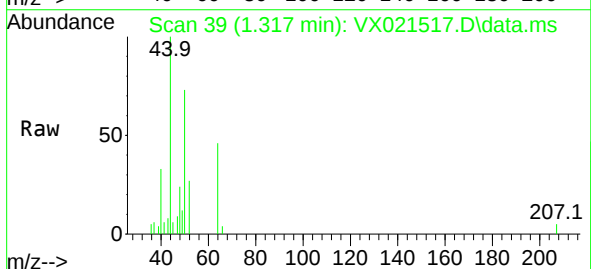
Instrument :
MSVOA_X
ClientSampled :

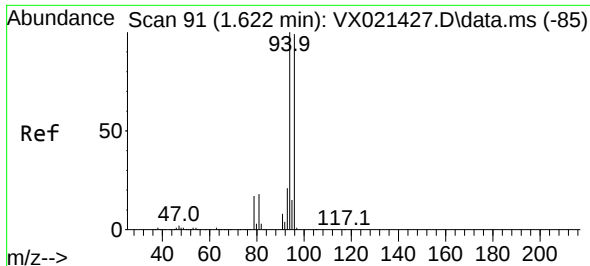
Tgt Ion:168 Resp: 70210
Ion Ratio Lower Upper
168 100
99 60.6 45.8 68.6



#3
Chloromethane
Concen: 2.86 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion: 50 Resp: 2499
Ion Ratio Lower Upper
50 100
52 36.9 26.4 39.6

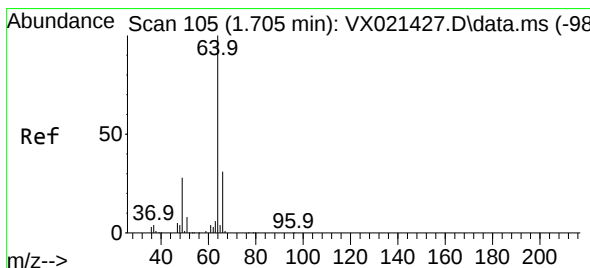
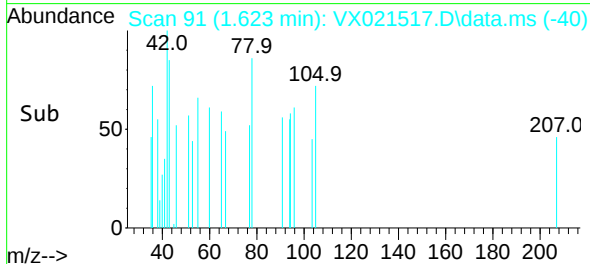
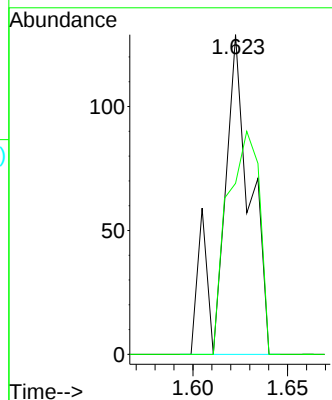
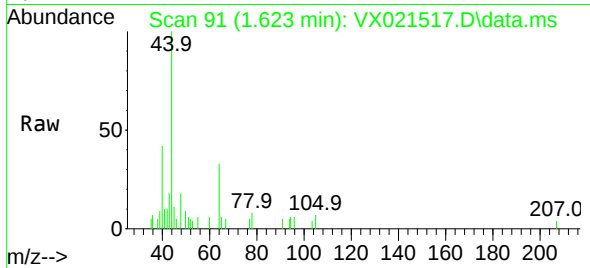




#5
Bromomethane
Concen: 0.42 ug/l
RT: 1.623 min Scan# 91
Delta R.T. 0.001 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

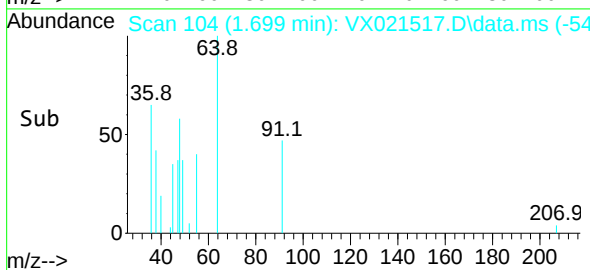
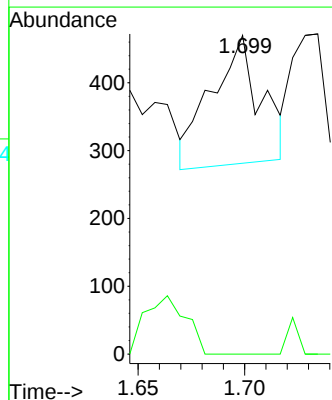
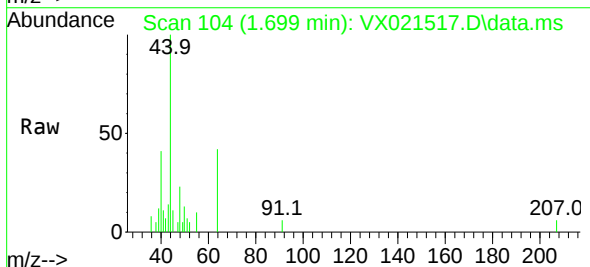
Instrument :
MSVOA_X
ClientSampleId :

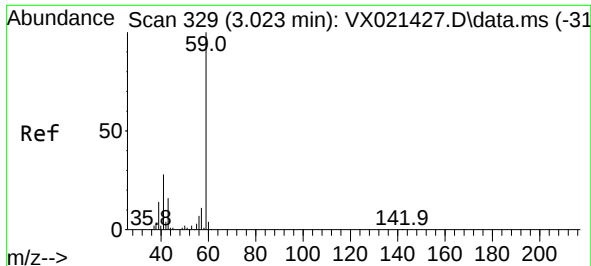
Tgt Ion: 94 Resp: 133
Ion Ratio Lower Upper
94 100
96 53.5 76.4 114.6#



#6
Chloroethane
Concen: 0.61 ug/l
RT: 1.699 min Scan# 104
Delta R.T. -0.006 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

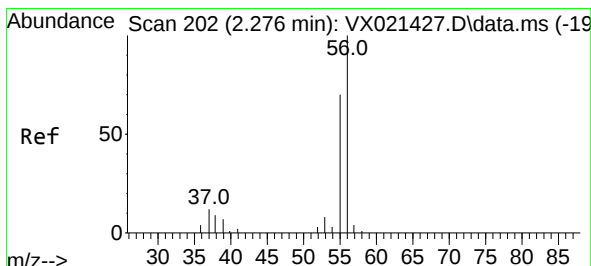
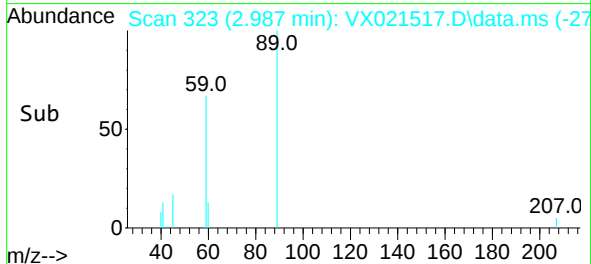
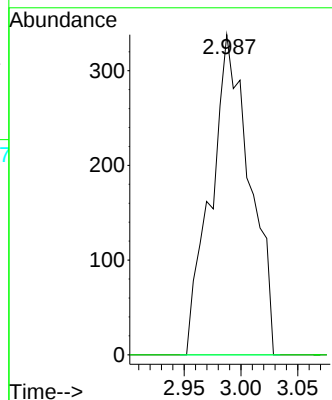
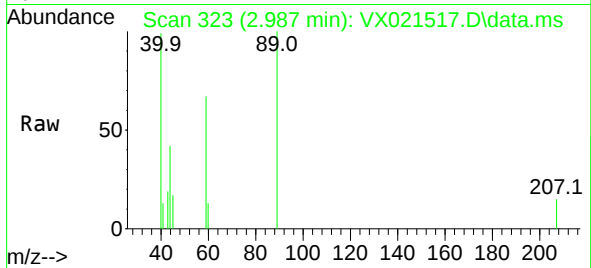




#11
Tert butyl alcohol
Concen: 4.19 ug/l
RT: 2.987 min Scan# 323
Delta R.T. -0.036 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

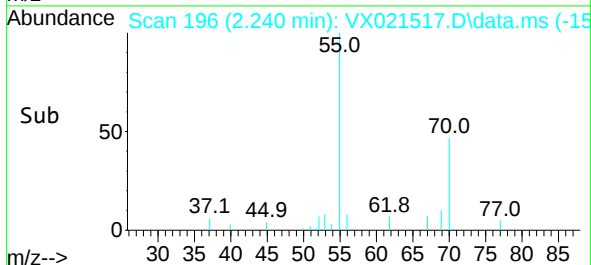
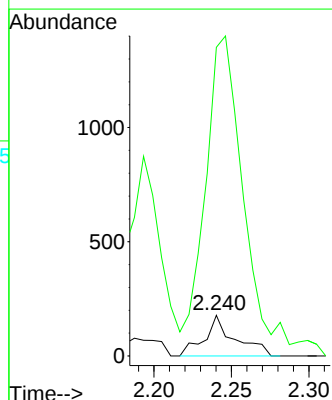
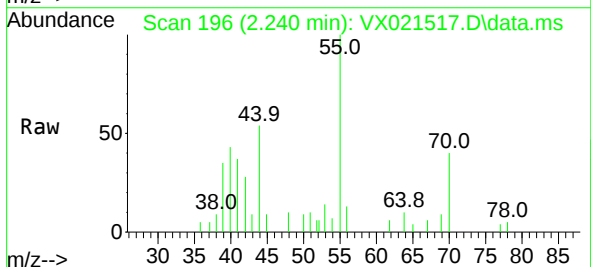
Instrument :
MSVOA_X
ClientSampled :

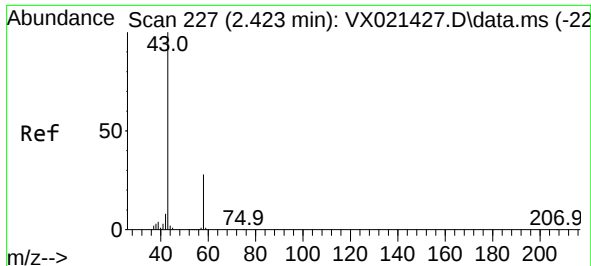
Tgt Ion: 59 Resp: 810
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 6.72 ug/l
RT: 2.240 min Scan# 196
Delta R.T. -0.036 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 1021.3 56.4 84.6#

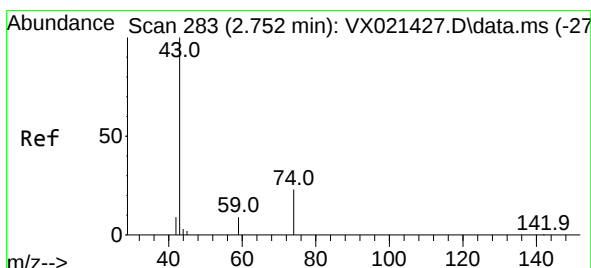
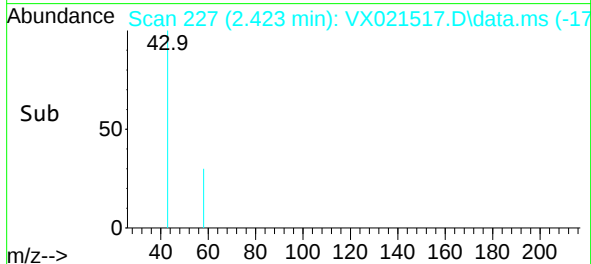
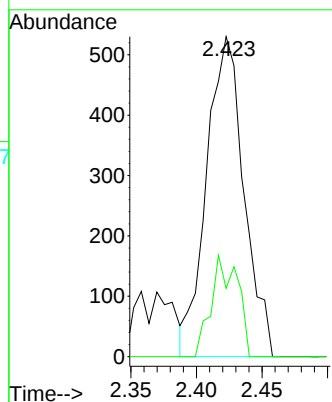
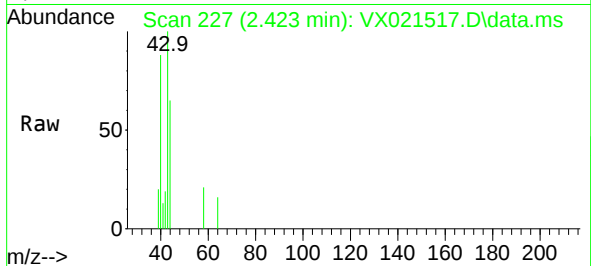




#16
Acetone
Concen: 2.38 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

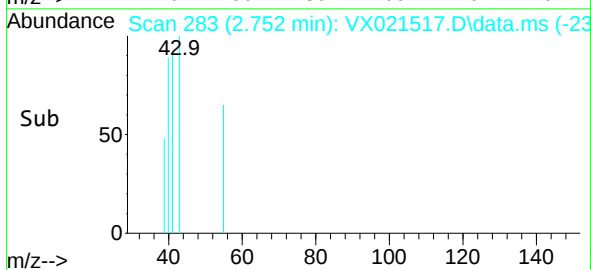
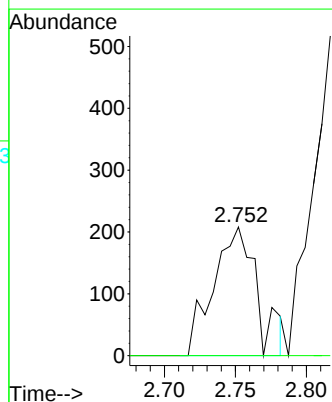
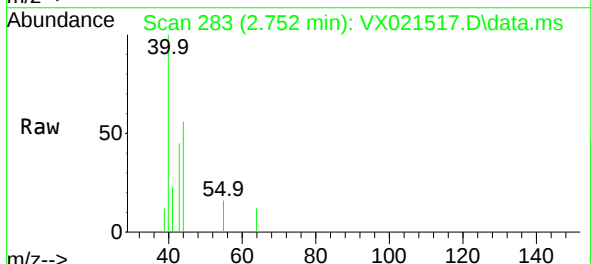
Instrument :
MSVOA_X
ClientSampled :

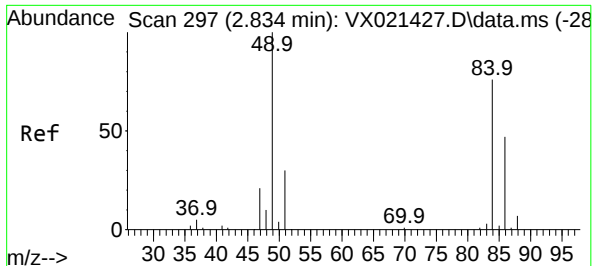
Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
58 21.3 27.8 41.8#



#18
Methyl Acetate
Concen: 0.35 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion: 43 Resp: 449
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.25 ug/l

RT: 2.823 min Scan# 295

Delta R.T. -0.011 min

Lab File: VX021517.D

Acq: 26 Mar 2021 04:02

Tgt Ion: 84 Resp: 217

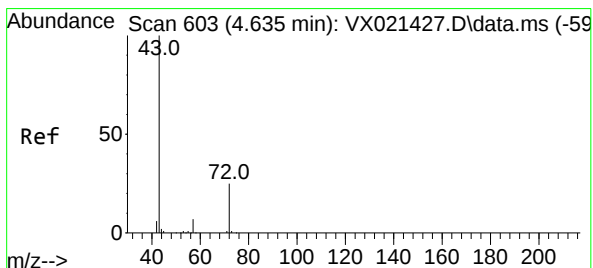
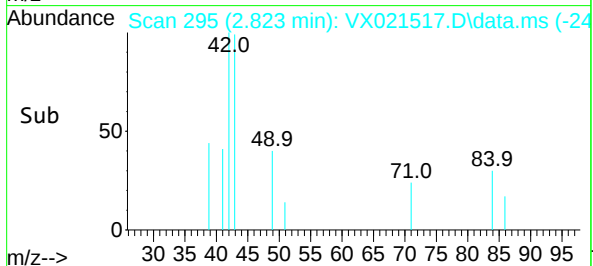
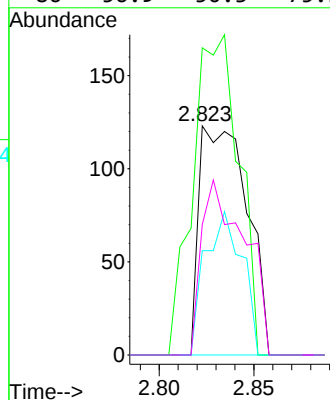
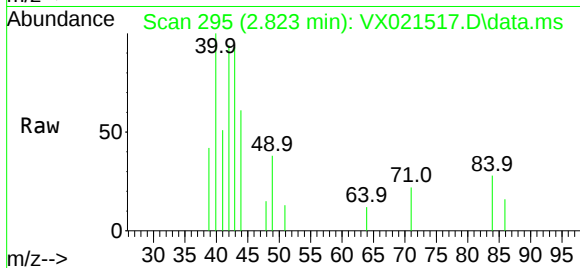
Ion Ratio Lower Upper

84 100

49 134.1 88.6 132.8#

51 45.5 27.0 40.6#

86 56.9 50.3 75.5



#25

2-Butanone

Concen: 0.93 ug/l

RT: 4.652 min Scan# 606

Delta R.T. 0.017 min

Lab File: VX021517.D

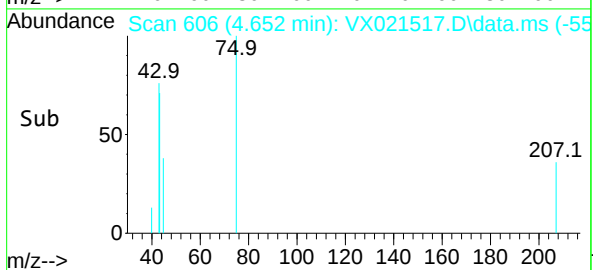
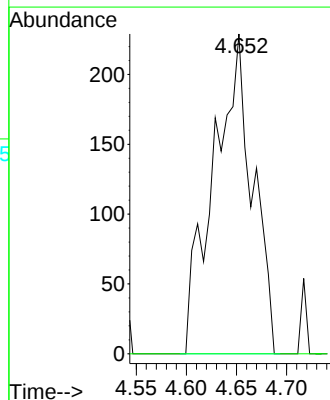
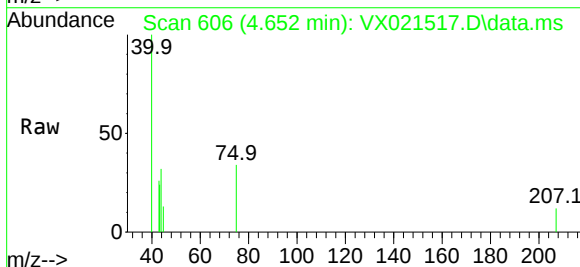
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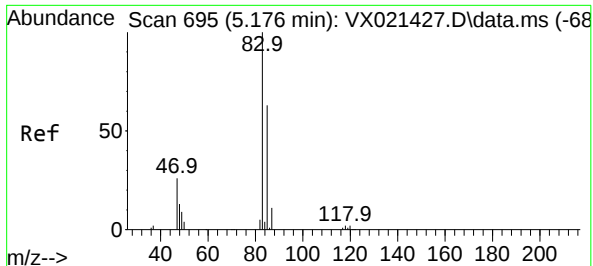
Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#30

Chloroform

Concen: 0.27 ug/l

RT: 5.170 min Scan# 694

Delta R.T. -0.006 min

Lab File: VX021517.D

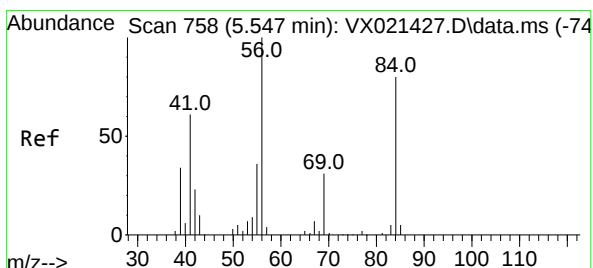
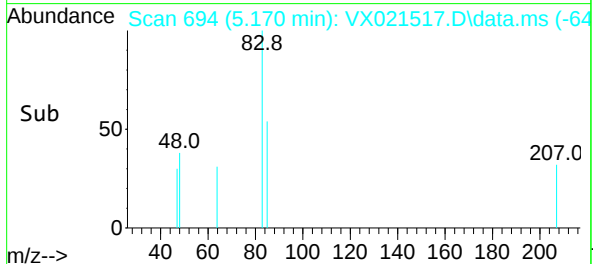
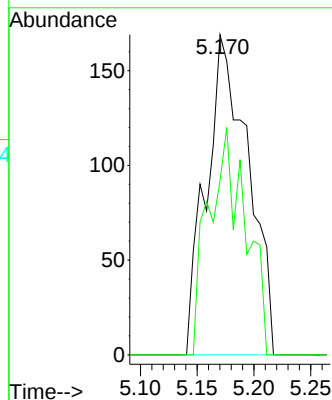
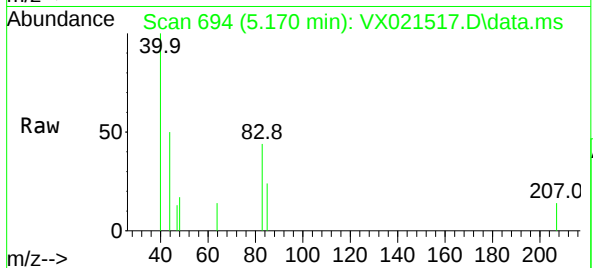
Acq: 26 Mar 2021 04:02

Tgt Ion: 83 Resp: 432

Ion Ratio Lower Upper

83 100

85 54.4 52.0 78.0



#31

Cyclohexane

Concen: 0.21 ug/l

RT: 5.541 min Scan# 757

Delta R.T. -0.006 min

Lab File: VX021517.D

Acq: 26 Mar 2021 04:02

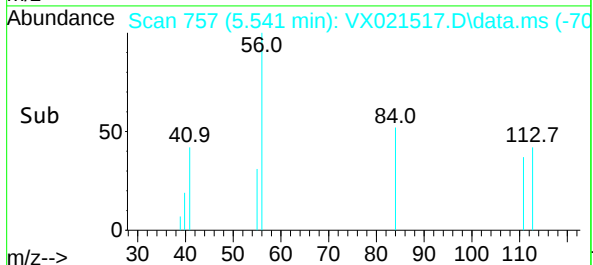
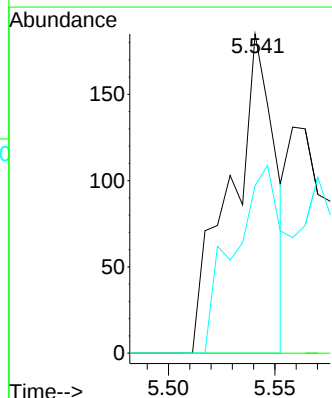
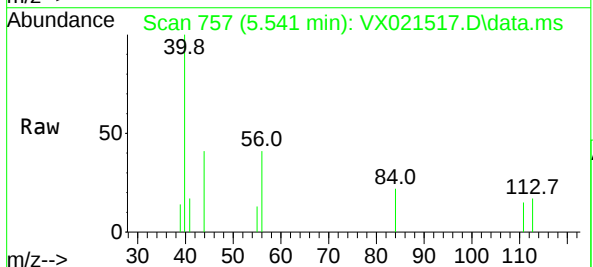
Tgt Ion: 56 Resp: 269

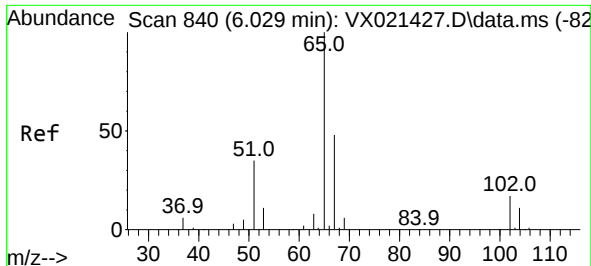
Ion Ratio Lower Upper

56 100

69 0.0 25.3 37.9#

84 52.4 71.4 107.0#

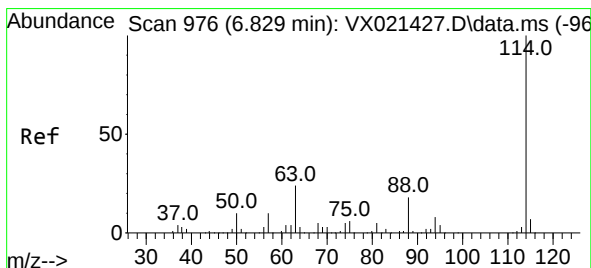
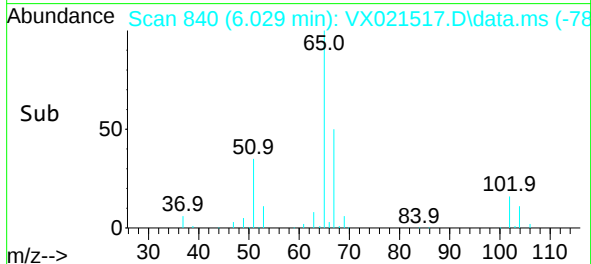
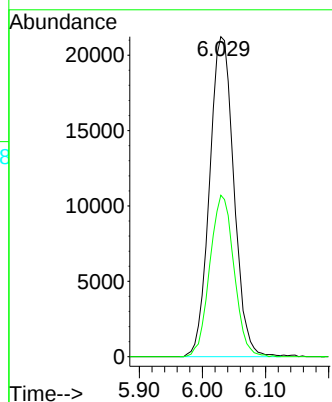
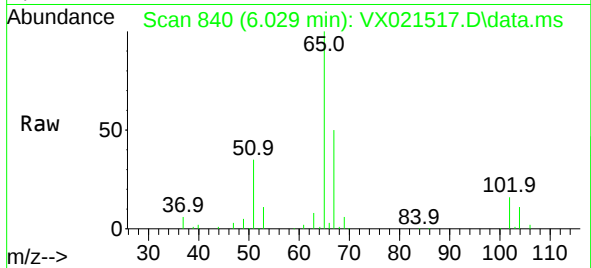




#33
 1,2-Dichloroethane-d4
 Concen: 48.57 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. -0.000 min
 Lab File: VX021517.D
 Acq: 26 Mar 2021 04:02

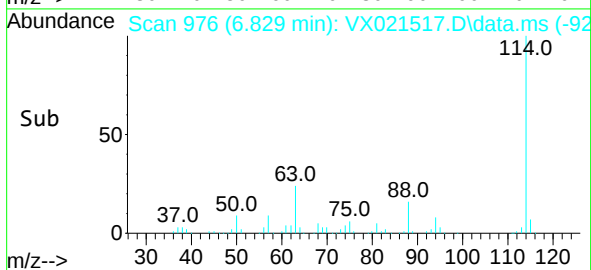
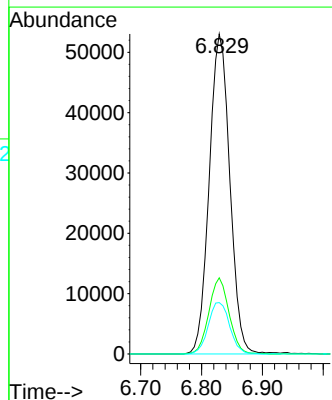
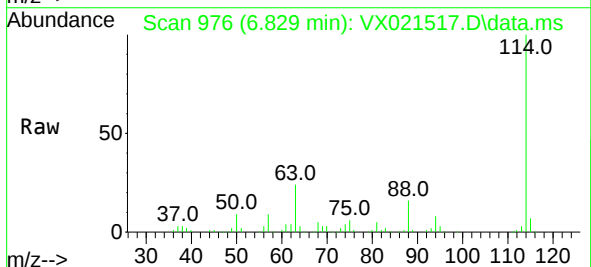
Instrument :
 MSVOA_X
 ClientSampled :

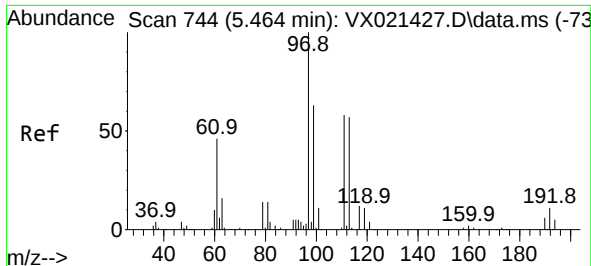
Tgt Ion: 65 Resp: 56736
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.829 min Scan# 976
 Delta R.T. 0.000 min
 Lab File: VX021517.D
 Acq: 26 Mar 2021 04:02

Tgt Ion: 114 Resp: 124699
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 40.8
 88 16.0 0.0 32.8

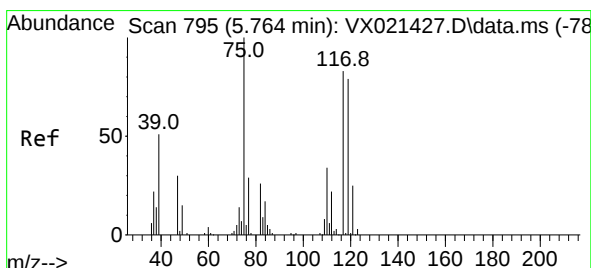
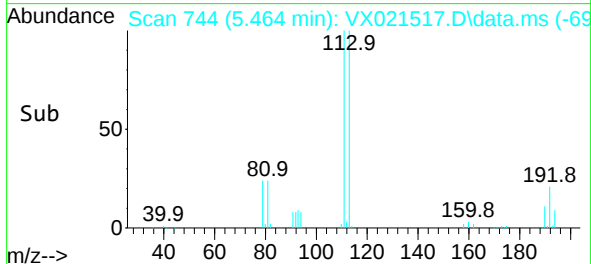
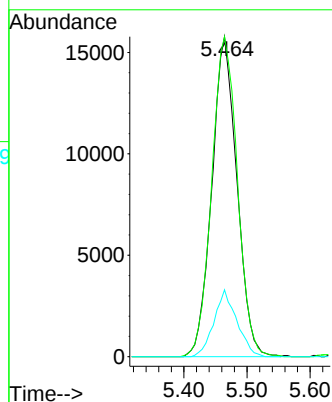
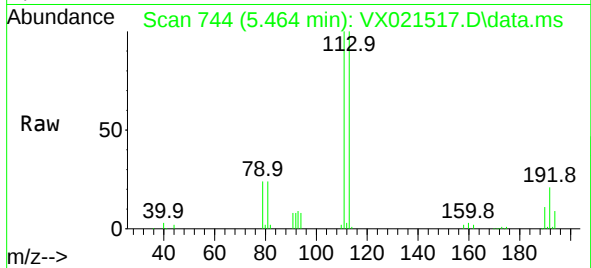




#35
Dibromofluoromethane
Concen: 48.97 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

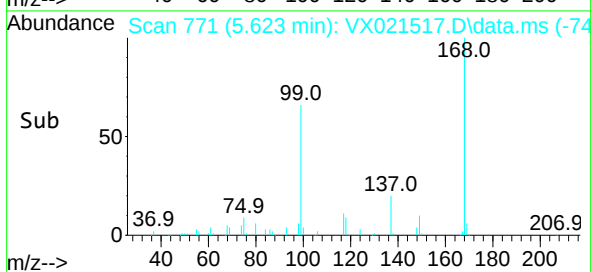
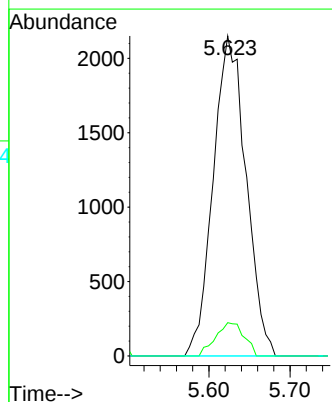
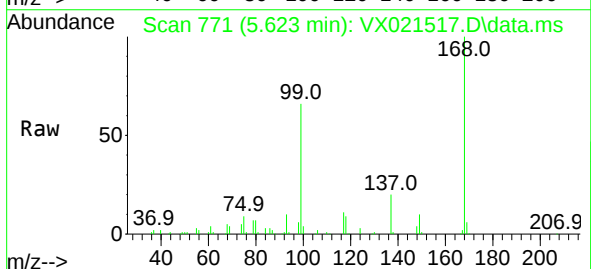
Instrument :
MSVOA_X
ClientSampleId :

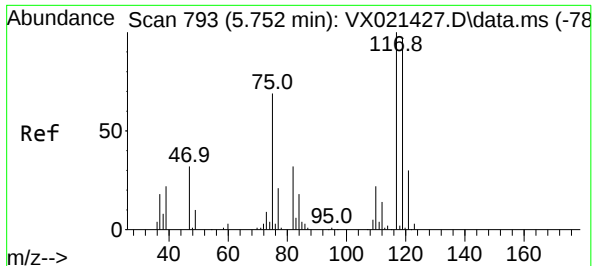
Tgt Ion:113 Resp: 43374
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 19.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

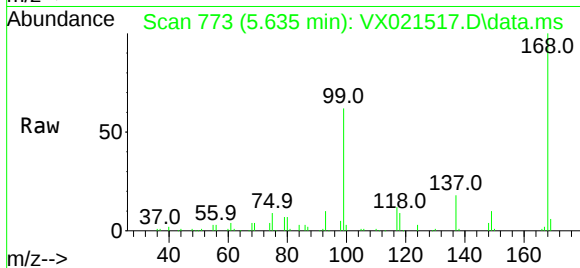
Tgt Ion: 75 Resp: 6044
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



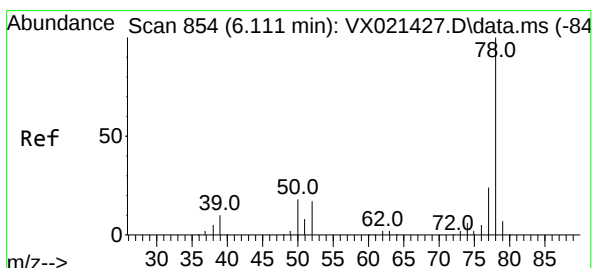
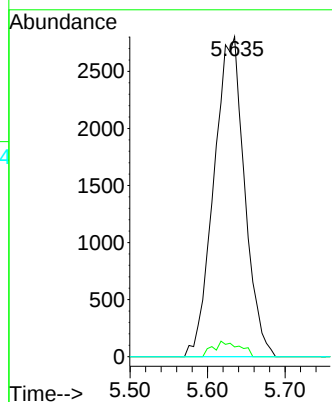
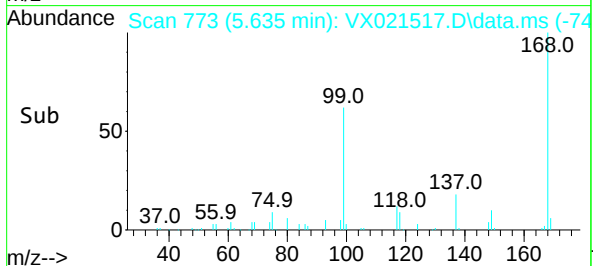


#38
Carbon Tetrachloride
Concen: 5.87 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.117 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

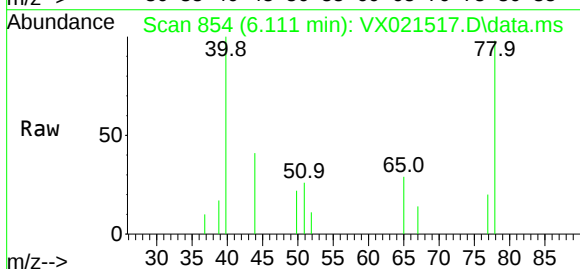
Instrument :
MSVOA_X
ClientSampled :



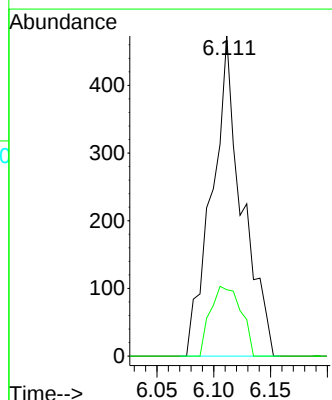
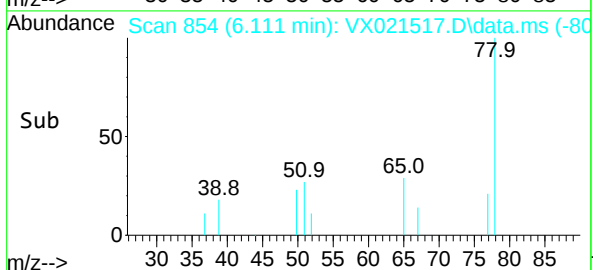
Tgt Ion:117 Resp: 7708
Ion Ratio Lower Upper
117 100
119 3.1 76.2 114.2#
121 0.0 24.8 37.2#

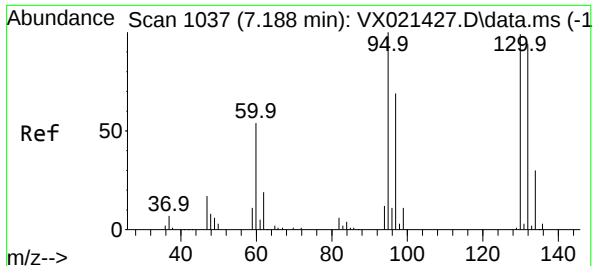


#40
Benzene
Concen: 0.25 ug/l
RT: 6.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02



Tgt Ion: 78 Resp: 868
Ion Ratio Lower Upper
78 100
77 20.7 18.9 28.3

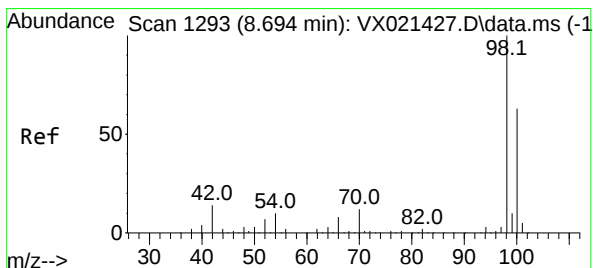
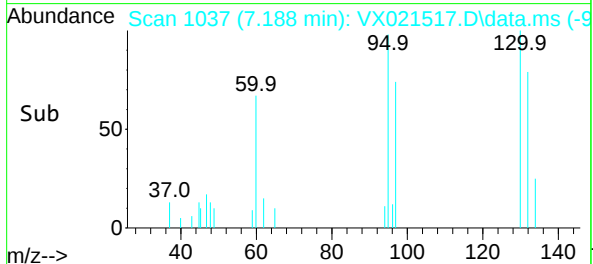
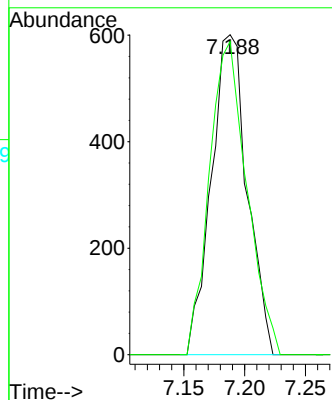
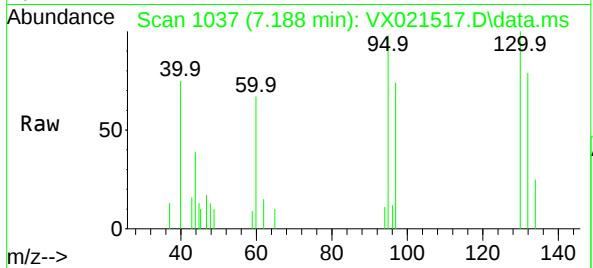




#44
Trichloroethene
Concen: 1.35 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

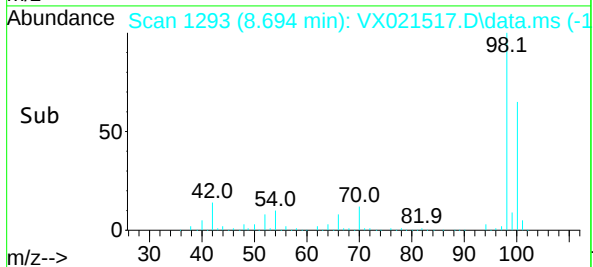
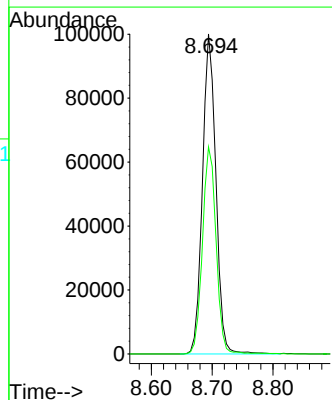
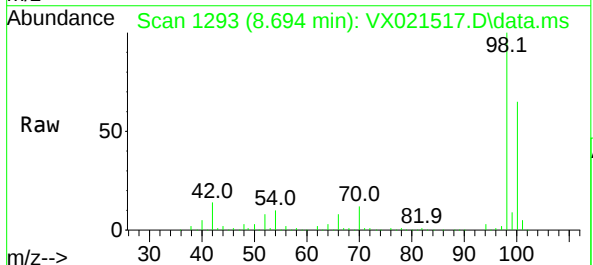
Instrument :
MSVOA_X
ClientSampled :

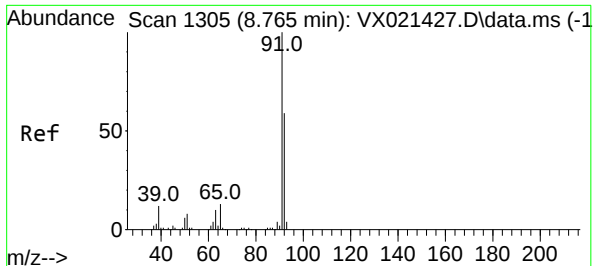
Tgt Ion:130 Resp: 1236
Ion Ratio Lower Upper
130 100
95 97.8 0.0 198.0



#50
Toluene-d8
Concen: 48.64 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion: 98 Resp: 153531
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9

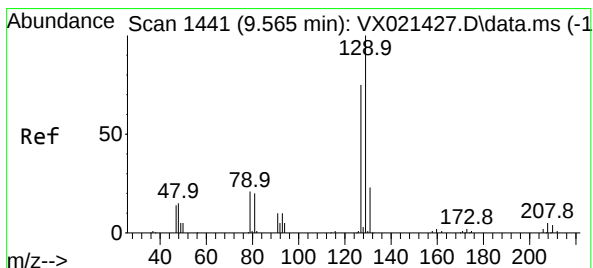
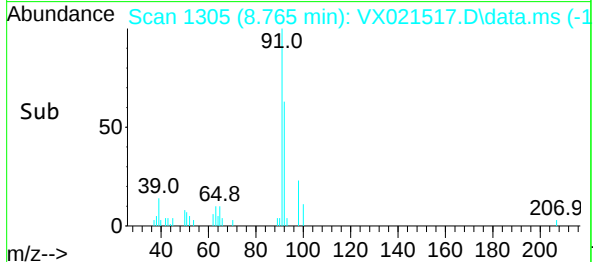
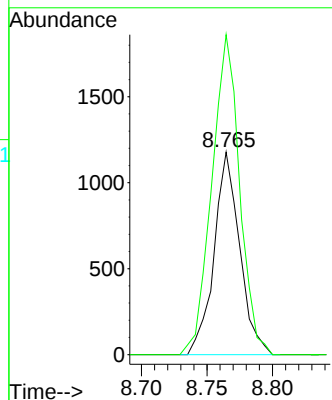
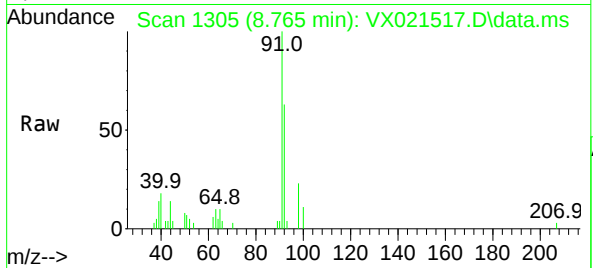




#52
Toluene
Concen: 0.75 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

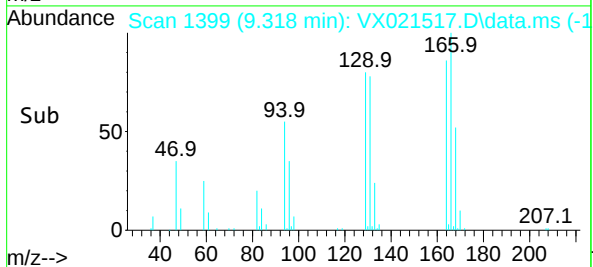
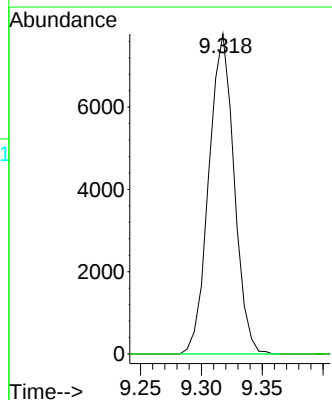
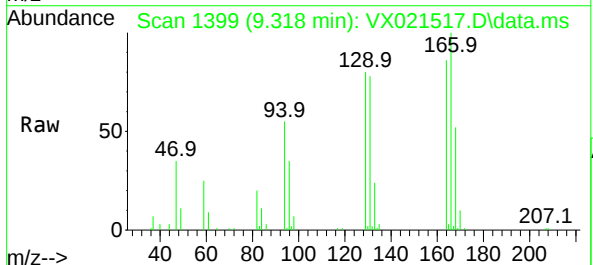
Instrument :
MSVOA_X
ClientSampled :

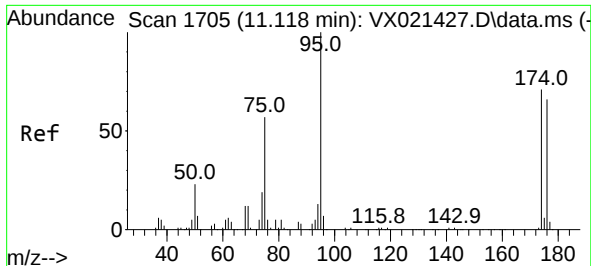
Tgt Ion: 92 Resp: 1598
Ion Ratio Lower Upper
92 100
91 171.4 137.1 205.7



#60
Dibromochloromethane
Concen: 11.10 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion: 129 Resp: 11244
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

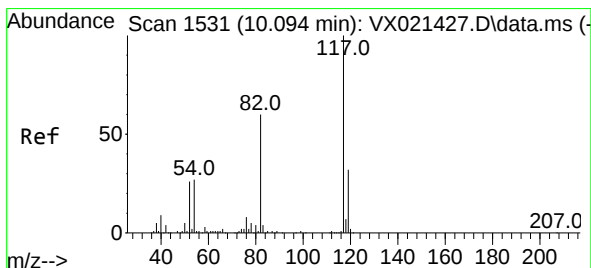
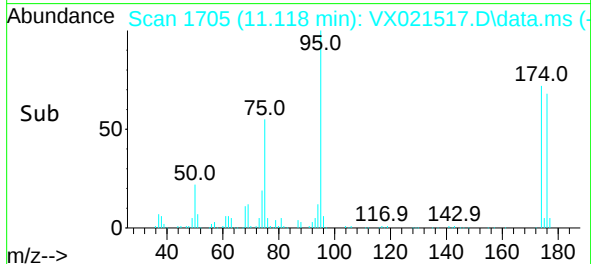
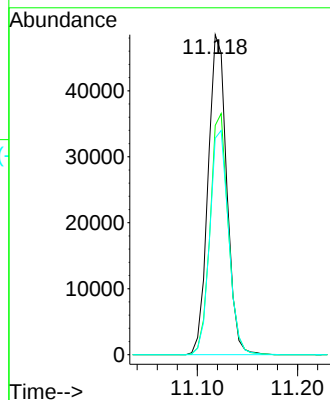
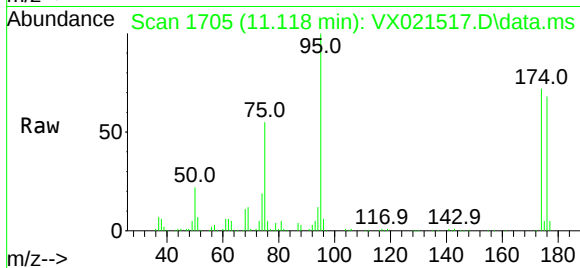




#62
4-Bromofluorobenzene
Concen: 50.99 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

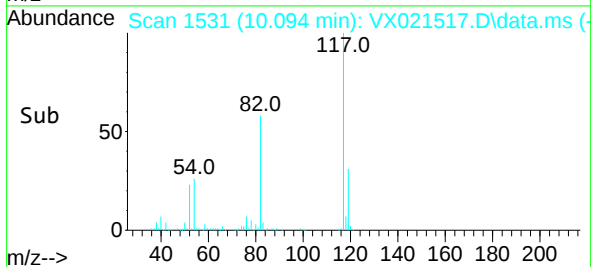
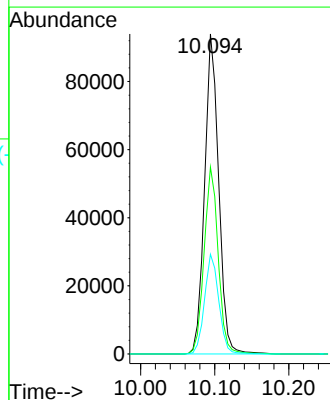
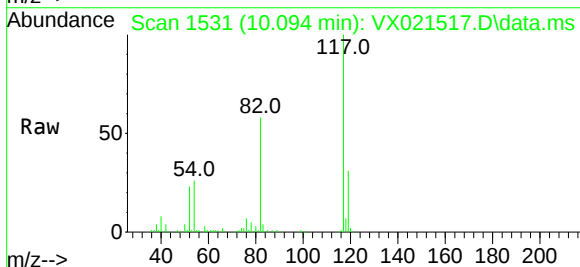
Instrument :
MSVOA_X
ClientSampled :

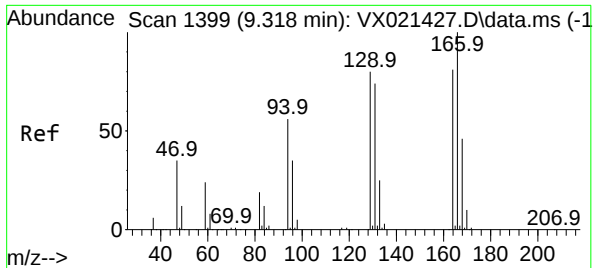
Tgt Ion: 95 Resp: 62570
Ion Ratio Lower Upper
95 100
174 73.4 0.0 154.6
176 70.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion: 117 Resp: 123941
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 31.2 26.6 39.8



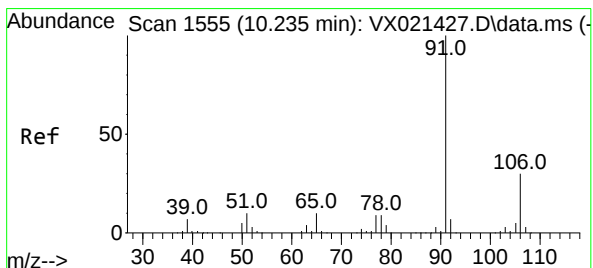
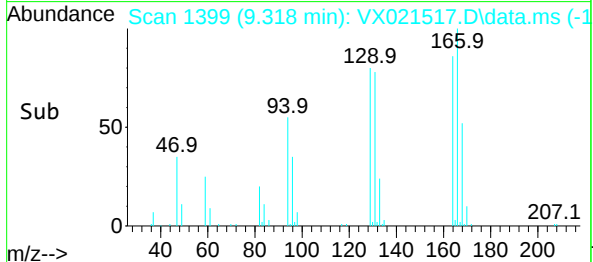
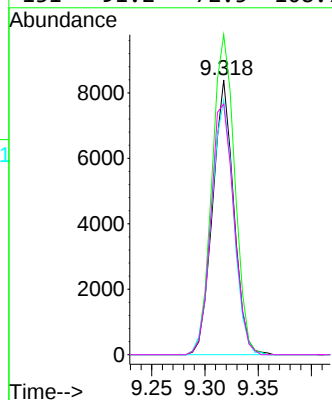
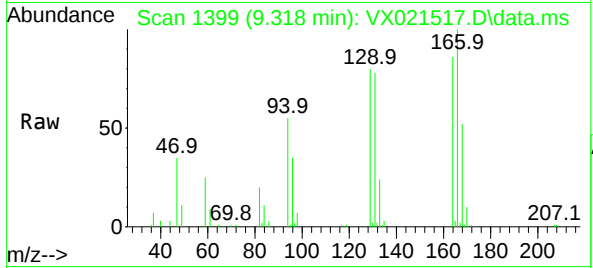


#64
Tetrachloroethene
Concen: 13.92 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:164 Resp: 11556

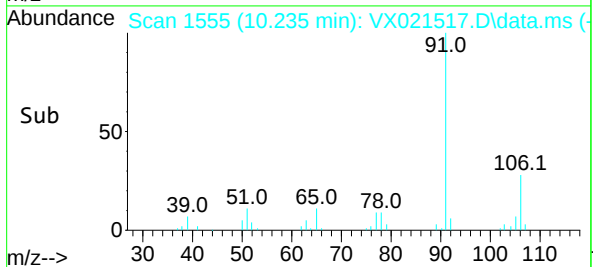
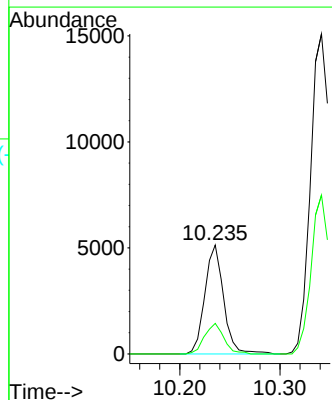
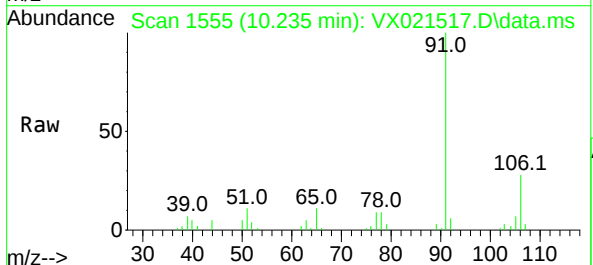
Ion	Ratio	Lower	Upper
164	100		
166	116.5	103.4	155.2
129	92.7	70.8	106.2
131	91.2	72.5	108.7

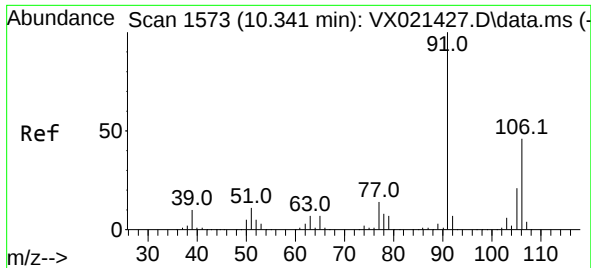


#67
Ethyl Benzene
Concen: 1.48 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion: 91 Resp: 6716

Ion	Ratio	Lower	Upper
91	100		
106	28.0	24.6	37.0

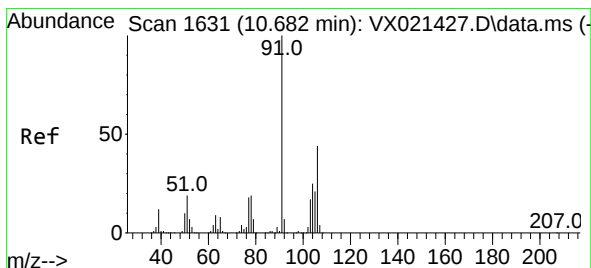
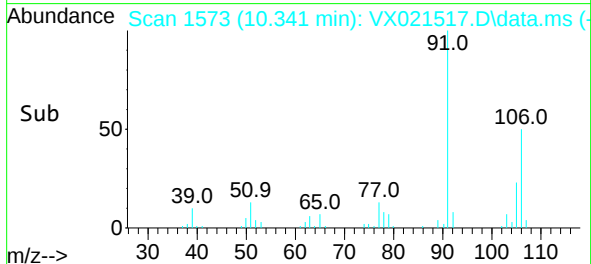
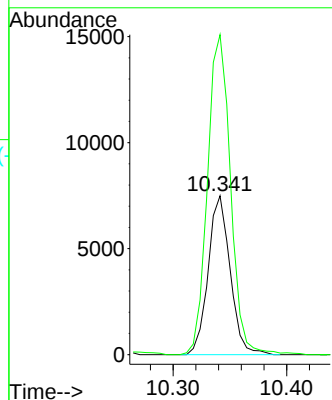
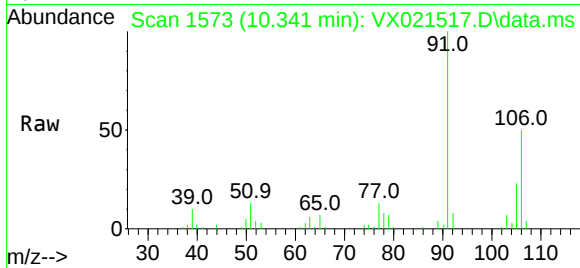




#68
m/p-Xylenes
Concen: 6.24 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

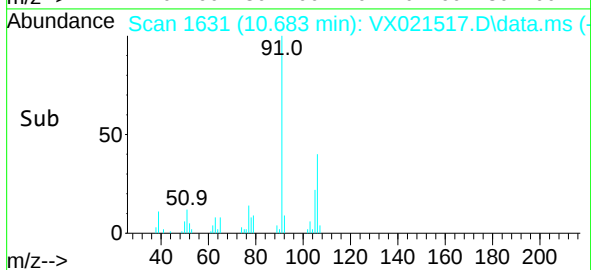
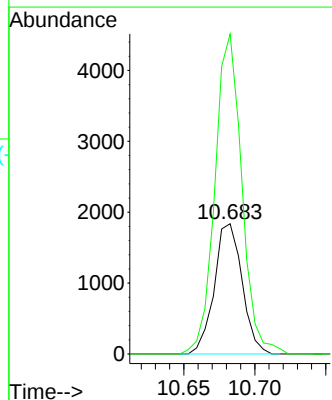
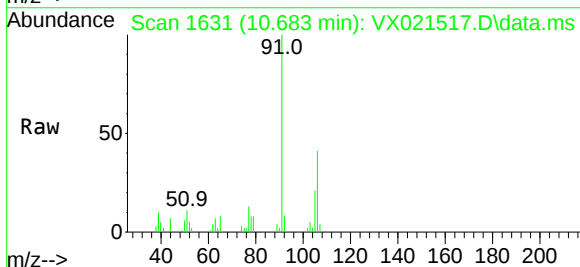
Instrument :
MSVOA_X
ClientSampled :

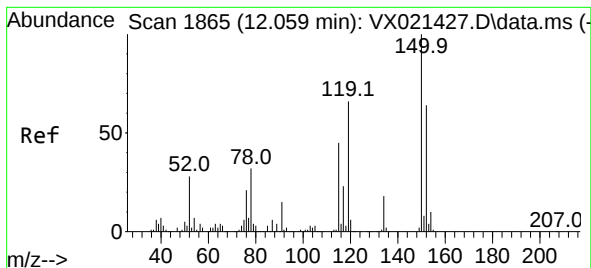
Tgt Ion:106 Resp: 10085
Ion Ratio Lower Upper
106 100
91 211.4 162.8 244.2



#69
o-Xylene
Concen: 1.60 ug/l
RT: 10.683 min Scan# 1631
Delta R.T. 0.001 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion:106 Resp: 2505
Ion Ratio Lower Upper
106 100
91 236.8 108.1 324.2

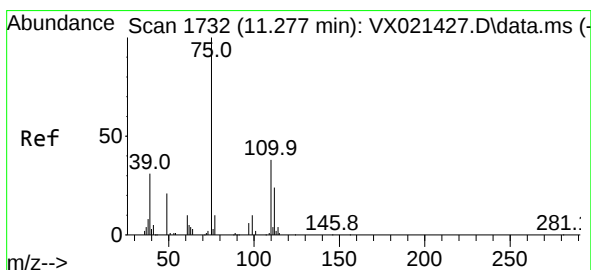
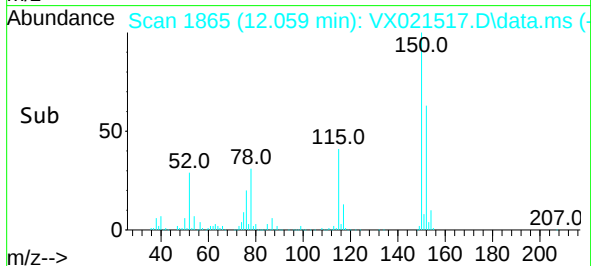
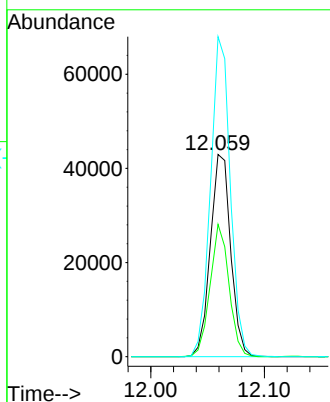
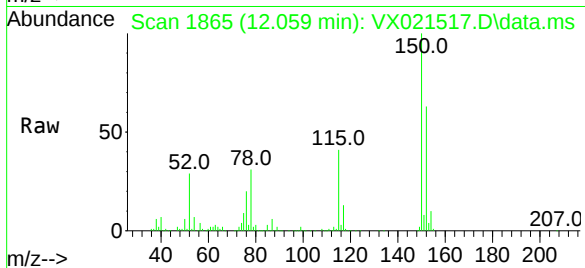




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

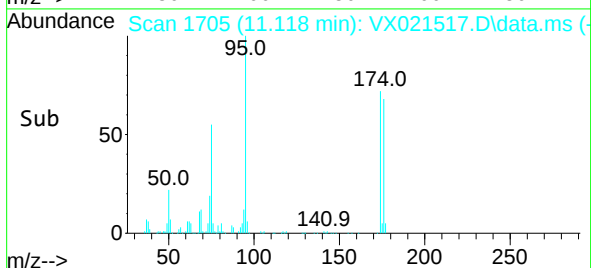
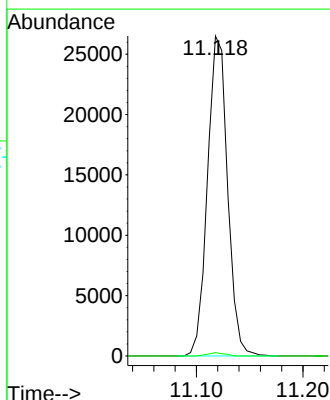
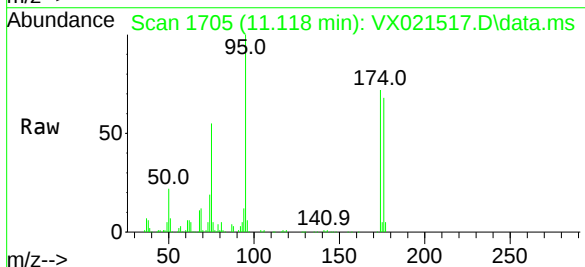
Instrument :
MSVOA_X
ClientSampleId :

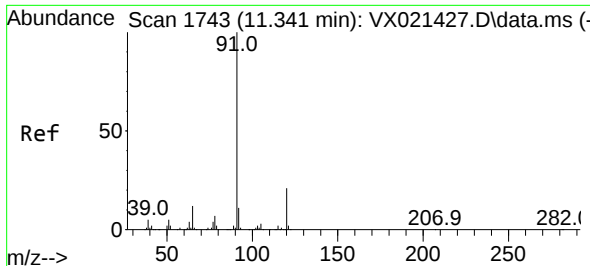
Tgt Ion:152 Resp: 53464
Ion Ratio Lower Upper
152 100
115 60.8 41.1 123.3
150 153.8 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.89 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion: 75 Resp: 34709
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#

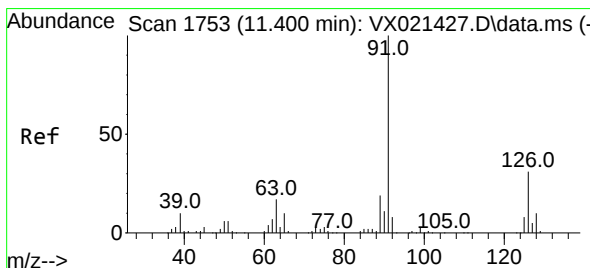
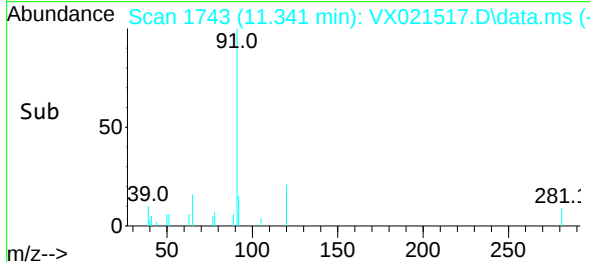
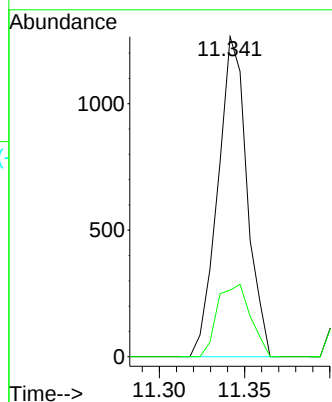
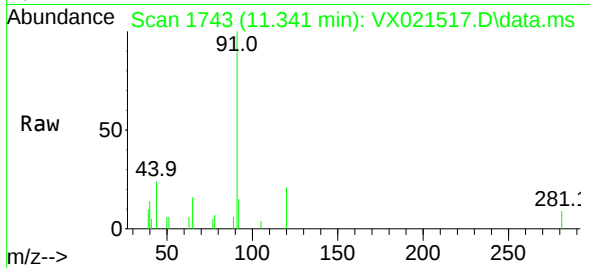




#78
n-propylbenzene
Concen: 0.34 ug/l
RT: 11.341 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

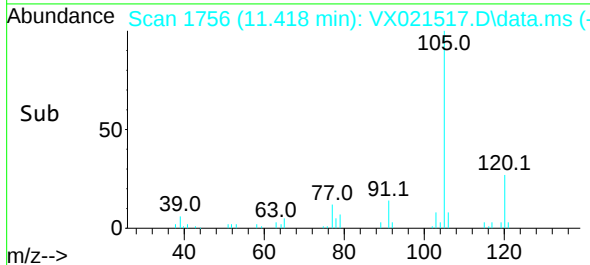
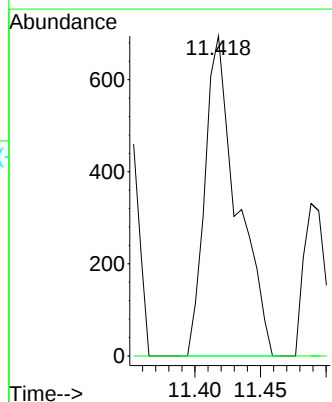
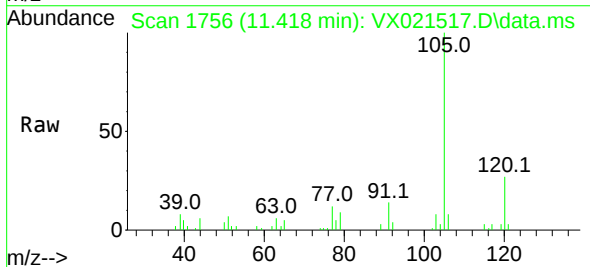
Instrument :
MSVOA_X
ClientSampleId :

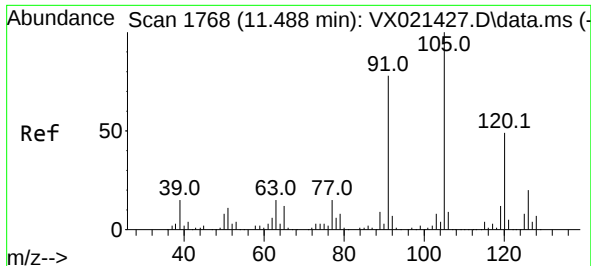
Tgt Ion: 91 Resp: 1506
Ion Ratio Lower Upper
91 100
120 25.6 11.5 34.5



#79
2-Chlorotoluene
Concen: 0.44 ug/l
RT: 11.418 min Scan# 1756
Delta R.T. 0.018 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion: 91 Resp: 1190
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

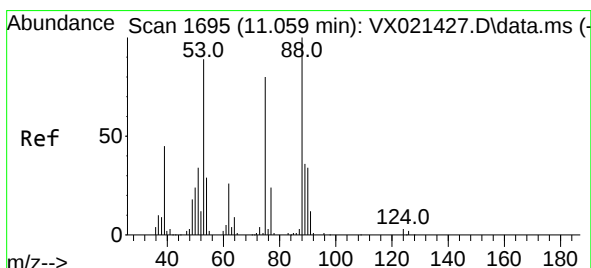
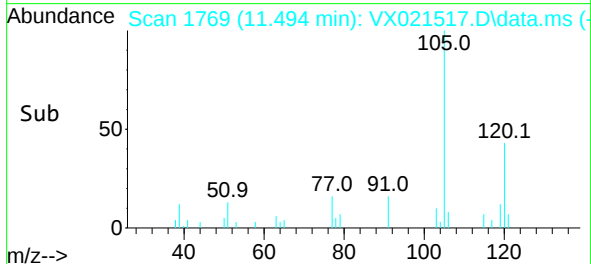
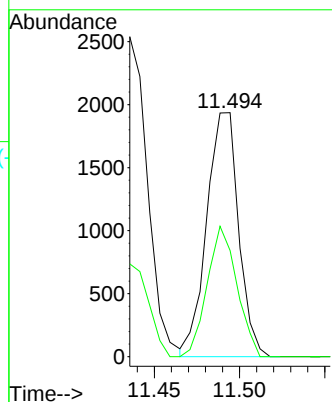
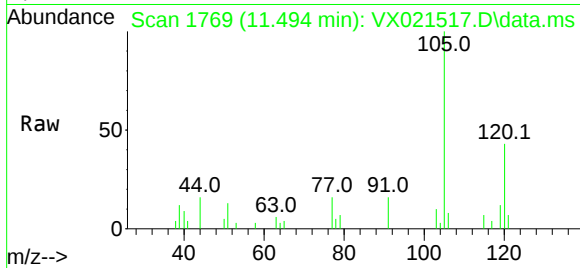




#80
1,3,5-Trimethylbenzene
Concen: 0.79 ug/l
RT: 11.494 min Scan# 1769
Delta R.T. 0.006 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

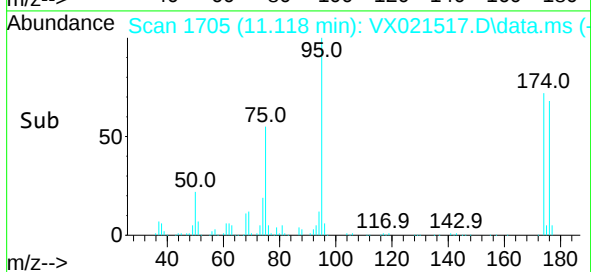
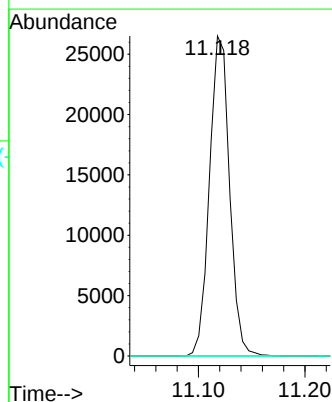
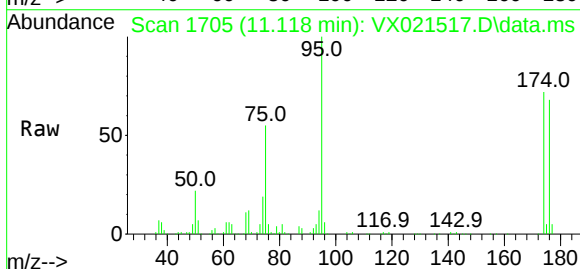
Instrument :
MSVOA_X
ClientSampled :

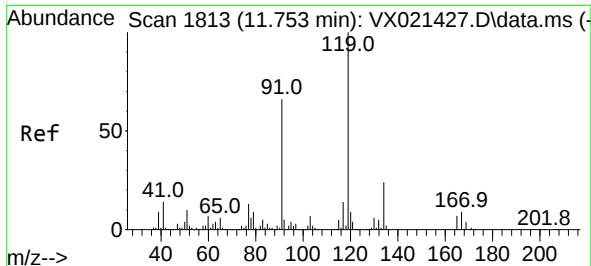
Tgt Ion:105 Resp: 2526
Ion Ratio Lower Upper
105 100
120 49.5 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 84.94 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion: 75 Resp: 34709
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

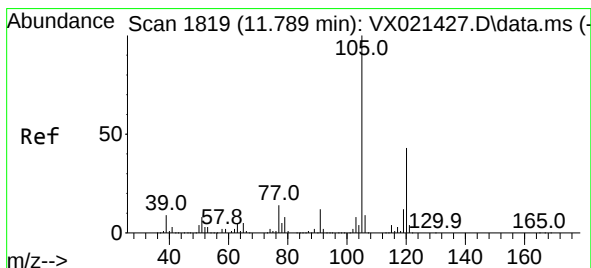
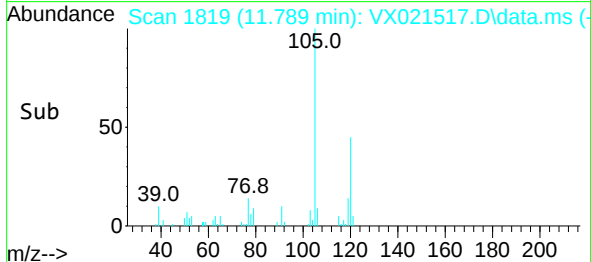
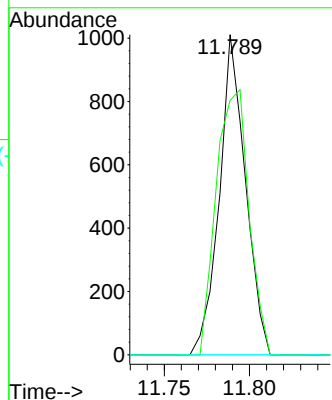
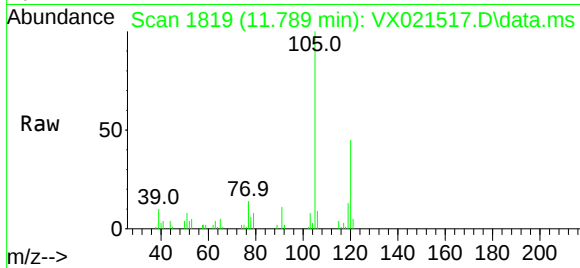




#83
tert-Butylbenzene
Concen: 0.34 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. 0.036 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

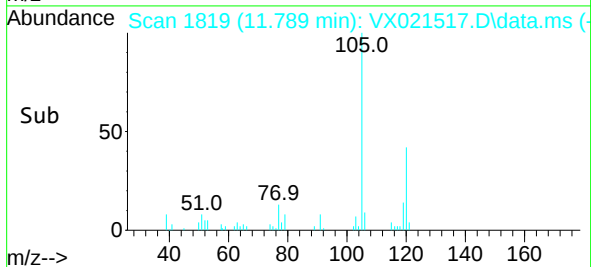
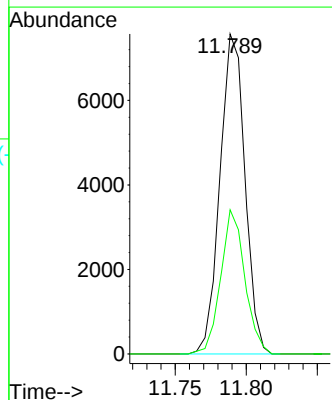
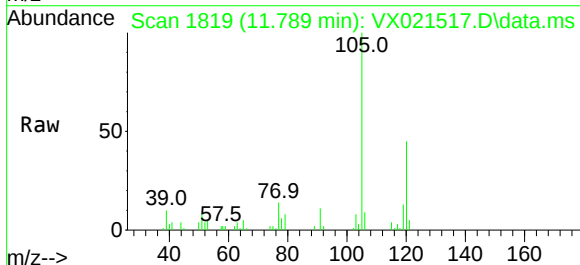
Instrument :
MSVOA_X
ClientSampleId :

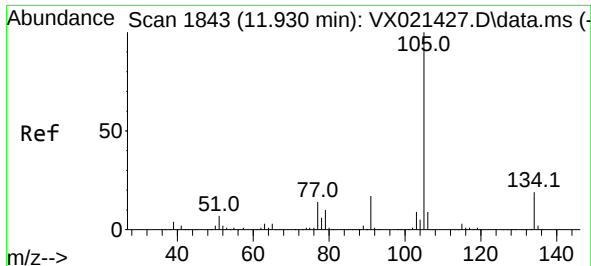
Tgt Ion:119 Resp: 1074
Ion Ratio Lower Upper
119 100
91 103.9 27.9 83.7#
134 0.0 11.3 33.9#



#84
1,2,4-Trimethylbenzene
Concen: 2.86 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021517.D
Acq: 26 Mar 2021 04:02

Tgt Ion:105 Resp: 9250
Ion Ratio Lower Upper
105 100
120 43.6 22.4 67.3

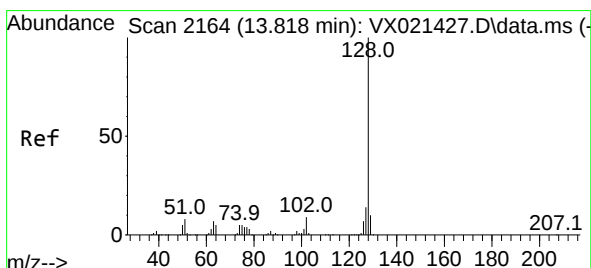
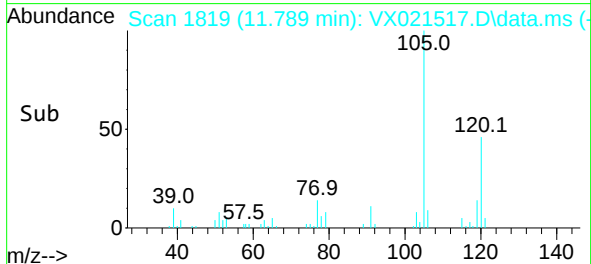
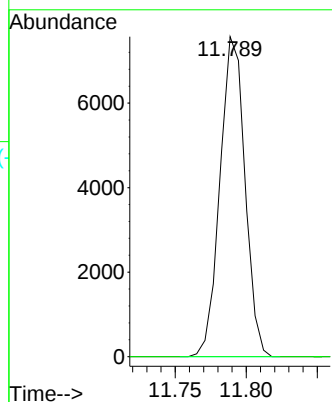
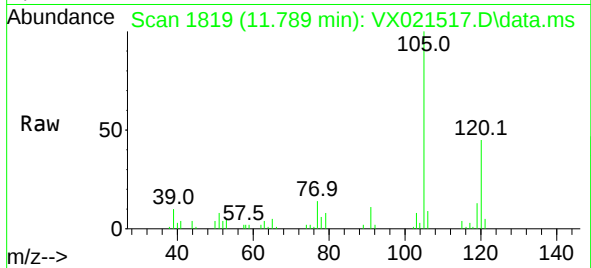




#85
 sec-Butylbenzene
 Concen: 2.57 ug/l
 RT: 11.789 min Scan# 1819
 Delta R.T. -0.141 min
 Lab File: VX021517.D
 Acq: 26 Mar 2021 04:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:105 Resp: 9250
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#95
 Naphthalene
 Concen: 1.14 ug/l
 RT: 13.812 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: VX021517.D
 Acq: 26 Mar 2021 04:02

Tgt Ion:128 Resp: 3977
 Ion Ratio Lower Upper
 128 100
 127 14.2 10.3 15.5
 129 12.0 8.8 13.2

