

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040821\
 Data File : VY004332.D
 Acq On : 08 Apr 2021 13:59
 Operator : SY/MD
 Sample : M1971-03
 Misc : 5.61G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

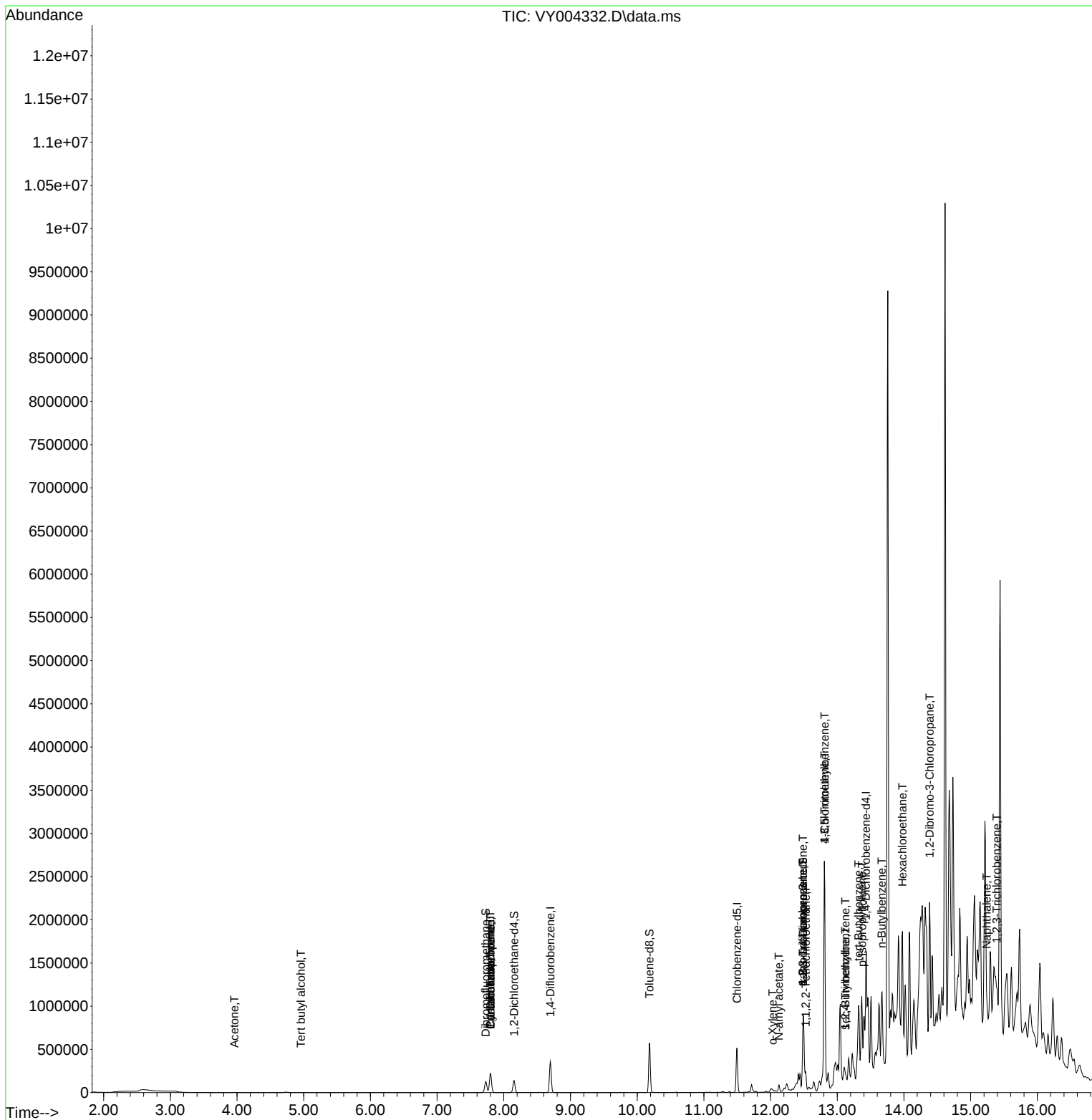
Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 09 03:16:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	171156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	294312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	263235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111800	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	106693	64.85	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.70%	
35) Dibromofluoromethane	7.728	113	90294	55.06	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.12%	
50) Toluene-d8	10.185	98	356500	57.80	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.60%	
62) 4-Bromofluorobenzene	12.483	95	115864	54.81	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.62%	
Target Compounds						
11) Tert butyl alcohol	4.960	59	826	6.17	ug/l	# 71
16) Acetone	3.960	43	2560	7.47	ug/l	90
20) Methylene Chloride	4.723	84	4001	Below Cal		83
31) Cyclohexane	7.801	56	3850	1.32	ug/l	# 34
36) 1,1-Dichloropropene	7.801	75	13578	5.05	ug/l	# 49
38) Carbon Tetrachloride	7.801	117	16833	7.20	ug/l	# 18
69) o-Xylene	12.032	106	3592	1.05	ug/l	93
74) N-amyl acetate	12.124	43	17300	7.25	ug/l	# 62
75) 1,1,2,2-Tetrachloroethane	12.526	83	2133	1.41	ug/l	# 26
76) 1,2,3-Trichloropropane	12.483	75	66635	65.64	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.813	105	156798	23.53	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	66635	120.97	ug/l	# 11
82) 4-Chlorotoluene	12.813	91	17790	3.26	ug/l	# 48
83) tert-Butylbenzene	13.319	119	100937	17.53	ug/l	# 63
84) 1,2,4-Trimethylbenzene	13.123	105	25233	3.78	ug/l	98
85) sec-Butylbenzene	13.123	105	25233	3.18	ug/l	# 55
86) p-Isopropyltoluene	13.373	119	60802	8.25	ug/l	99
89) n-Butylbenzene	13.666	91	96779	14.27	ug/l	# 1
90) Hexachloroethane	13.977	117	41676	61.68	ug/l	# 12
92) 1,2-Dibromo-3-Chloropr...	14.385	75	1741	6.17	ug/l	# 37
95) Naphthalene	15.239	128	22695	4.70	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.391	180	6447	3.10	ug/l	# 1

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

Quant Time: Apr 09 03:16:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 30 06:38:14 2021
Response via : Initial Calibration

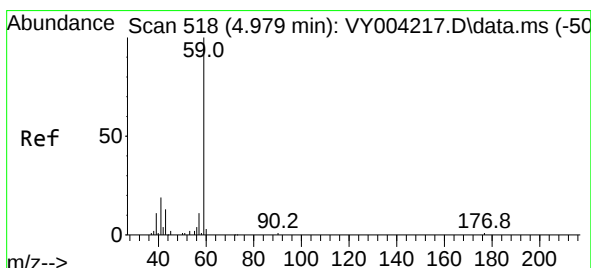
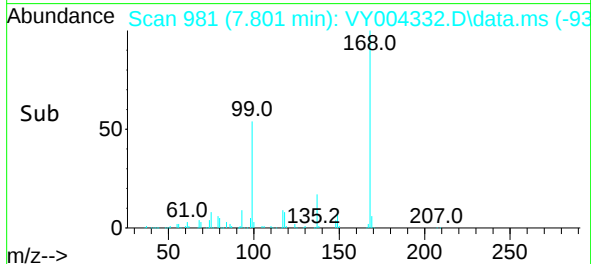
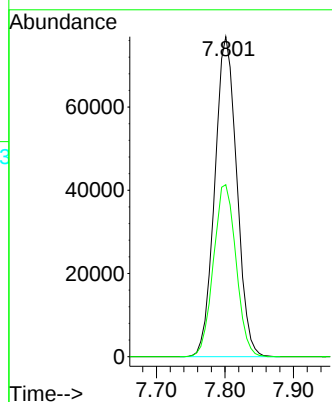
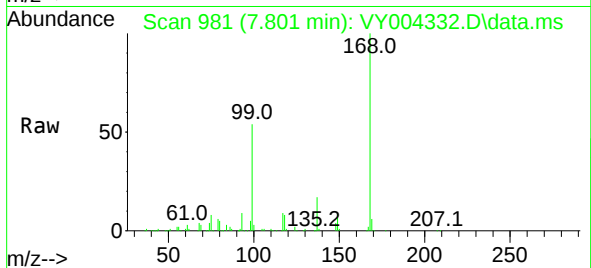




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

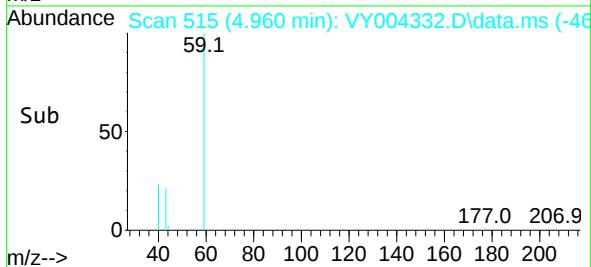
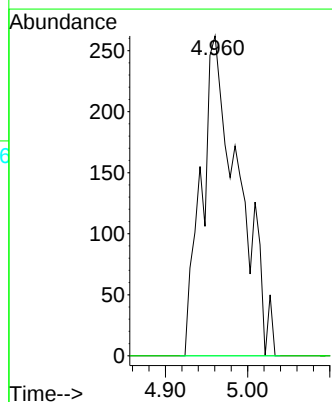
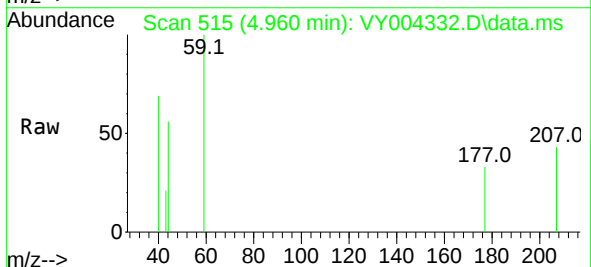
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MSVOA_Y
ClientSampled :

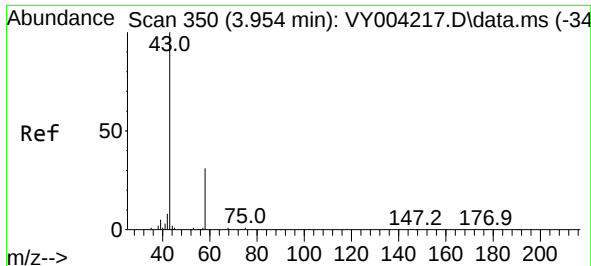
Tgt Ion:168 Resp: 171156
Ion Ratio Lower Upper
168 100
99 53.8 42.6 64.0



#11
Tert butyl alcohol
Concen: 6.17 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

Tgt Ion: 59 Resp: 826
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

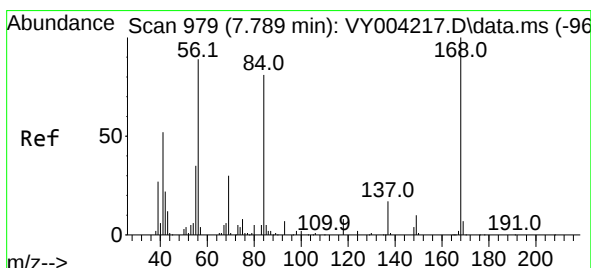
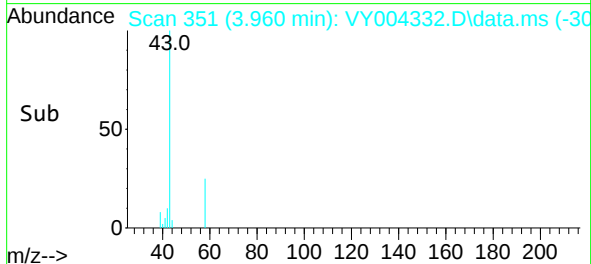
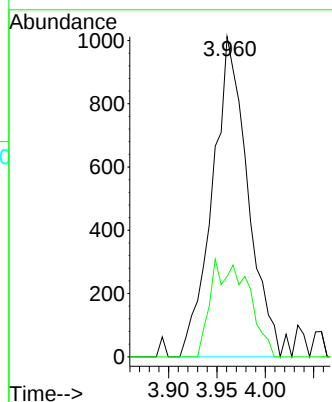
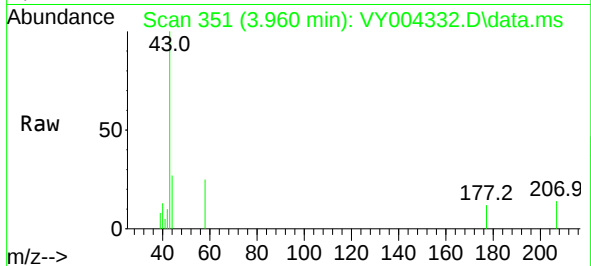




#16
Acetone
Concen: 7.47 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

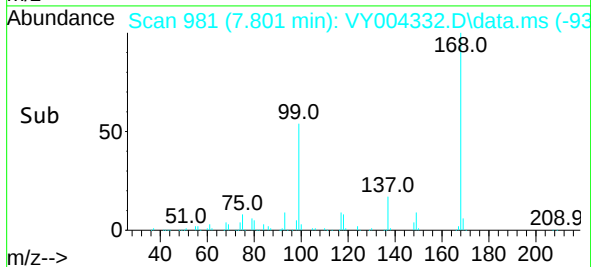
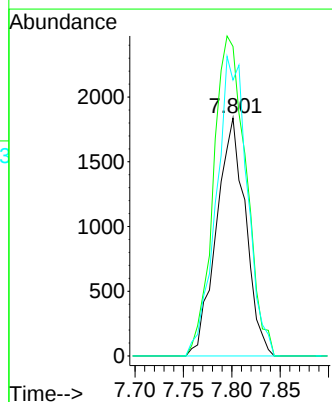
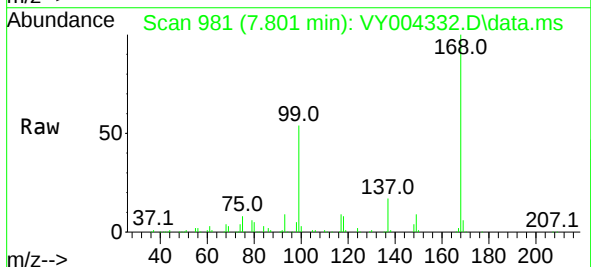
Instrument :
MSVOA_Y
ClientSampled :

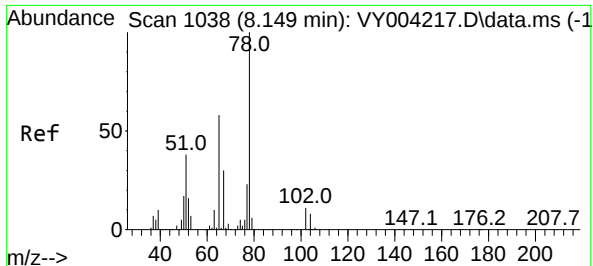
Tgt Ion: 43 Resp: 2560
Ion Ratio Lower Upper
43 100
58 25.1 24.5 36.7



#31
Cyclohexane
Concen: 1.32 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

Tgt Ion: 56 Resp: 3850
Ion Ratio Lower Upper
56 100
69 130.1 26.6 40.0#
84 115.9 72.3 108.5#

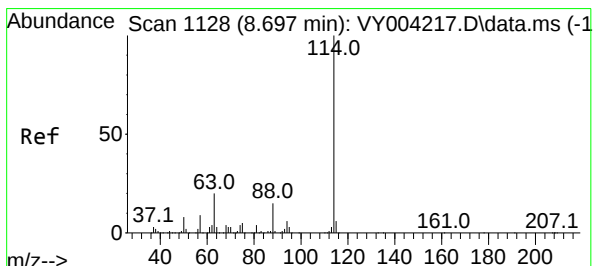
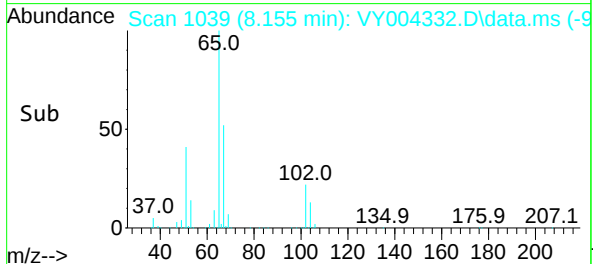
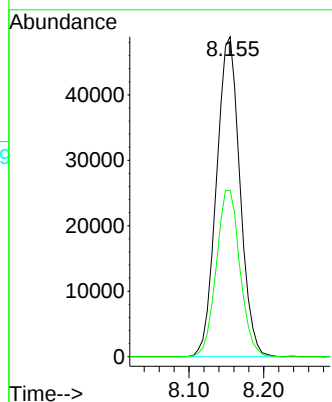
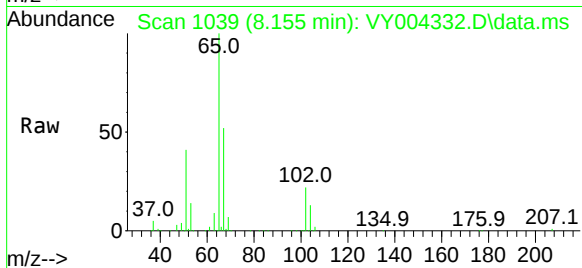




#33
1,2-Dichloroethane-d4
Concen: 64.85 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

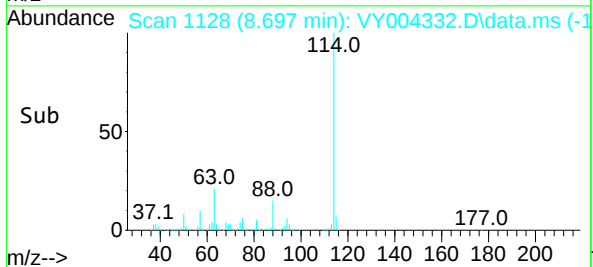
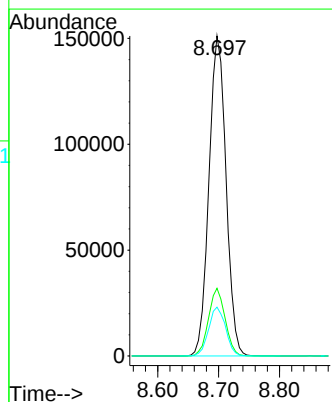
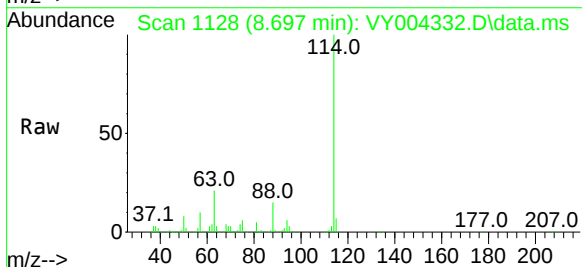
Instrument :
MSVOA_Y
ClientSampled :

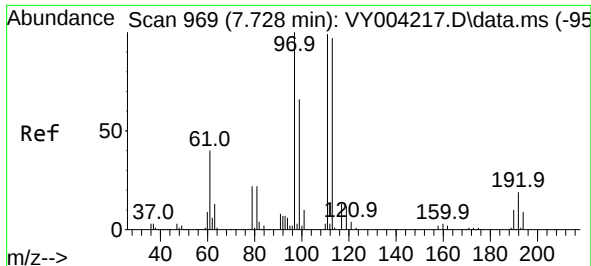
Tgt Ion: 65 Resp: 106693
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

Tgt Ion: 114 Resp: 294312
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.4
88 15.3 0.0 30.8

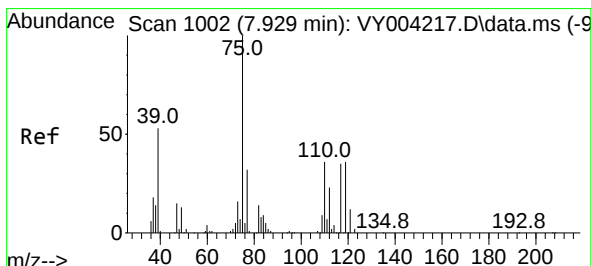
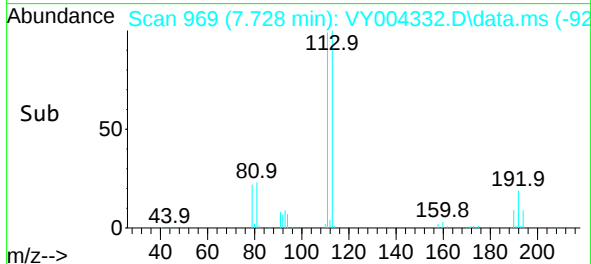
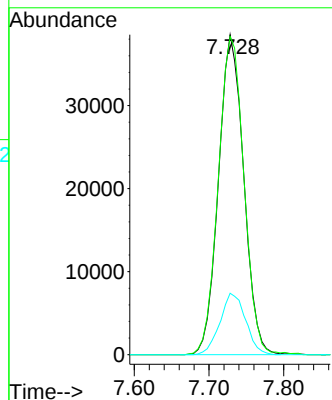
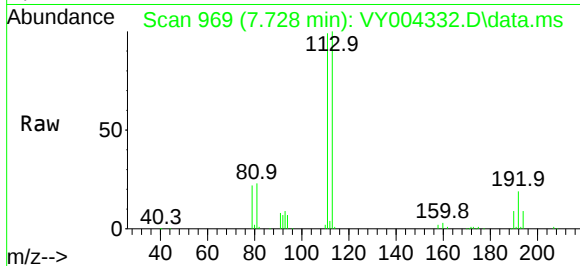




#35
Dibromofluoromethane
Concen: 55.06 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

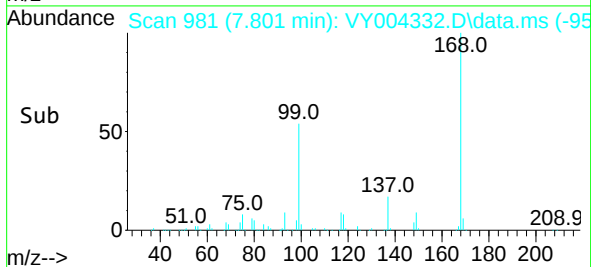
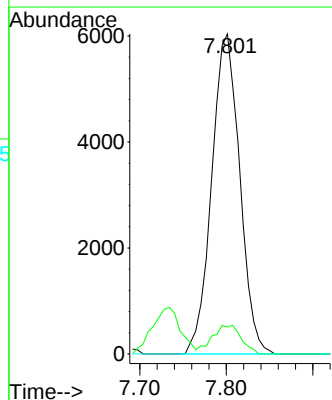
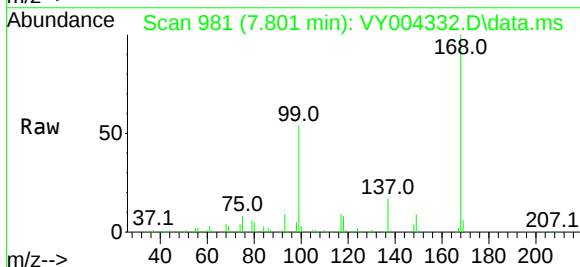
Instrument :
MSVOA_Y
ClientSampled :

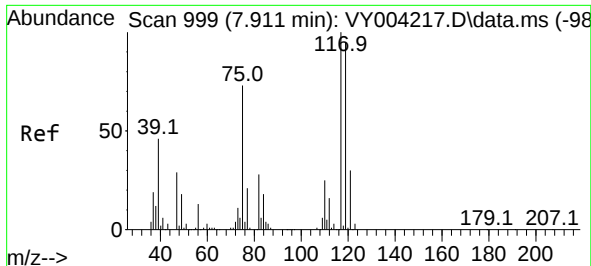
Tgt Ion:113 Resp: 90294
Ion Ratio Lower Upper
113 100
111 101.5 82.6 124.0
192 19.6 16.4 24.6



#36
1,1-Dichloropropene
Concen: 5.05 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

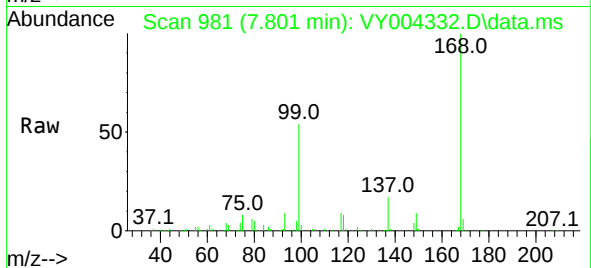
Tgt Ion: 75 Resp: 13578
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.3#
77 0.0 25.1 37.7#



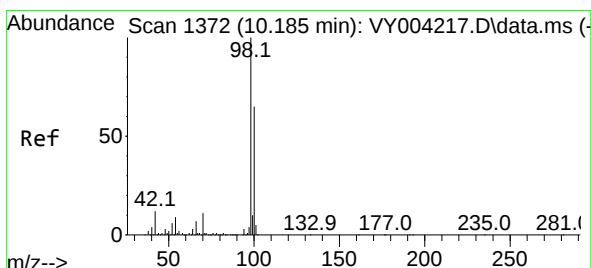
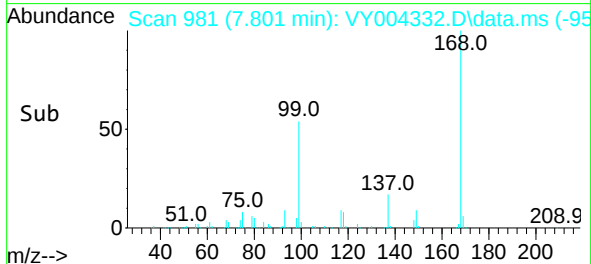
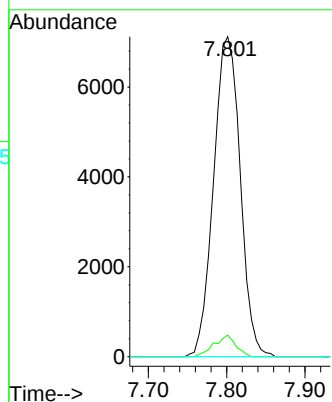


#38
Carbon Tetrachloride
Concen: 7.20 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

Instrument :
MSVOA_Y
ClientSampled :

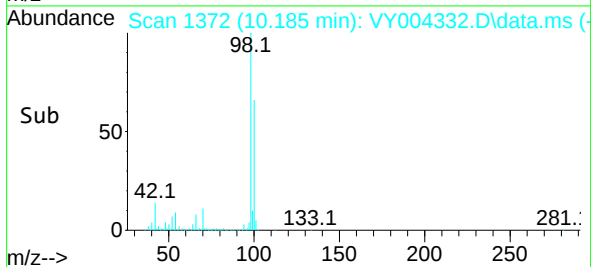
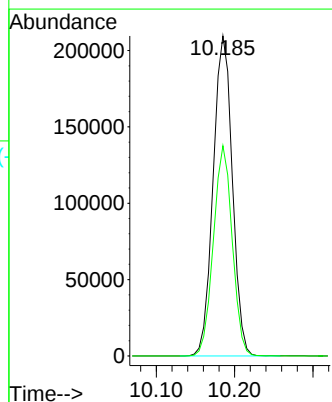
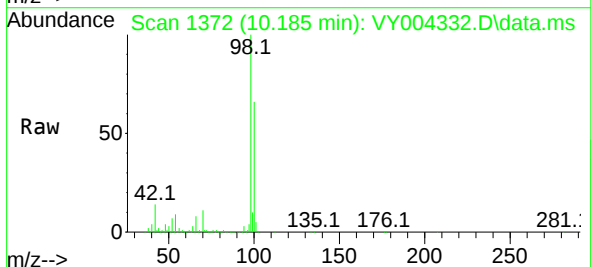


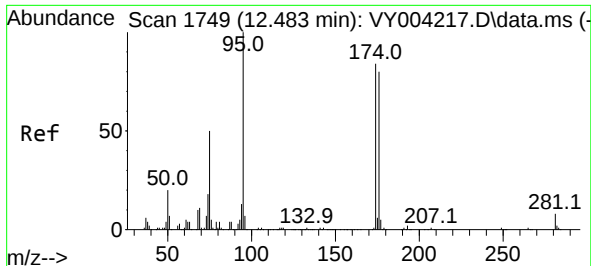
Tgt Ion:117 Resp: 16833
Ion Ratio Lower Upper
117 100
119 6.7 75.6 113.4#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 57.80 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

Tgt Ion: 98 Resp: 356500
Ion Ratio Lower Upper
98 100
100 64.5 52.5 78.7

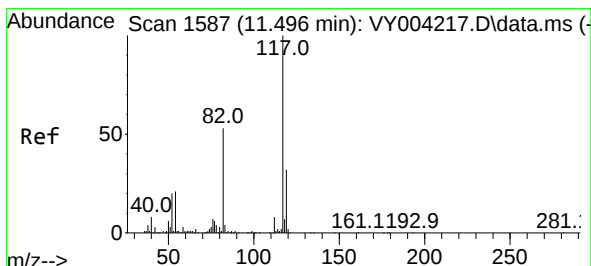
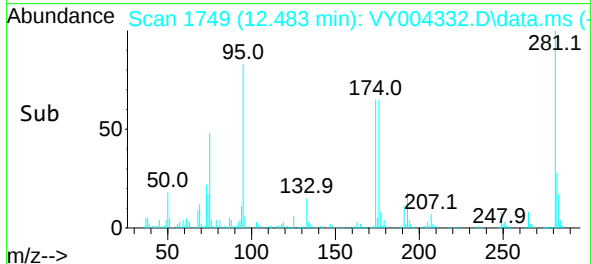
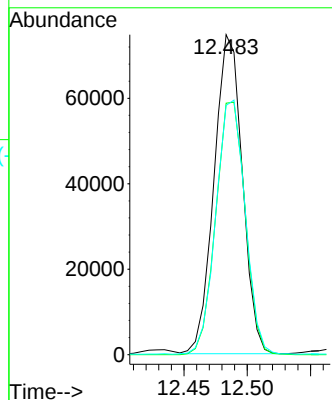
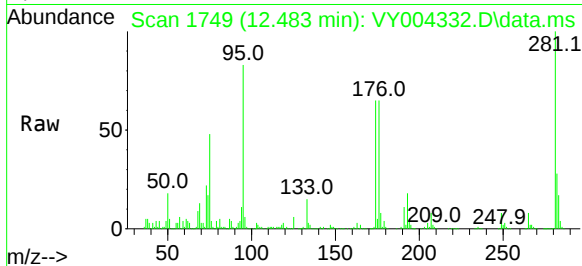




#62
4-Bromofluorobenzene
Concen: 54.81 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

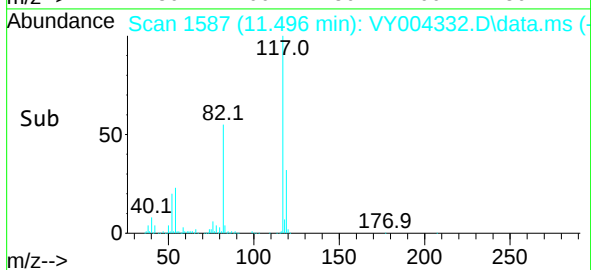
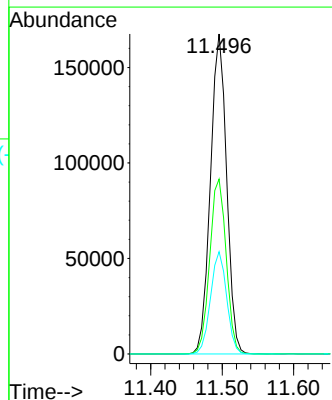
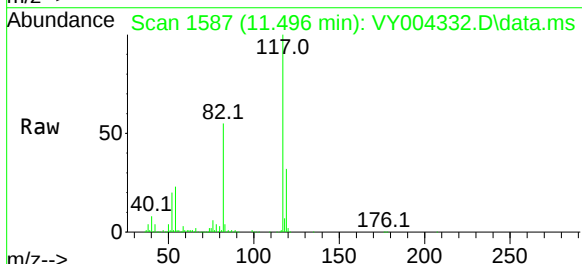
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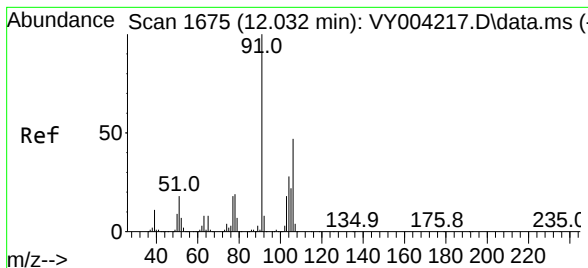
Tgt Ion: 95 Resp: 115864
Ion Ratio Lower Upper
95 100
174 82.2 0.0 171.4
176 82.5 0.0 165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

Tgt Ion: 117 Resp: 263235
Ion Ratio Lower Upper
117 100
82 54.6 42.7 64.1
119 31.9 25.7 38.5

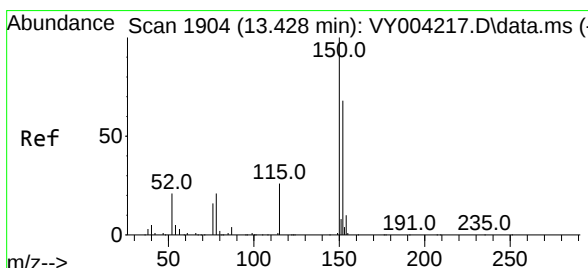
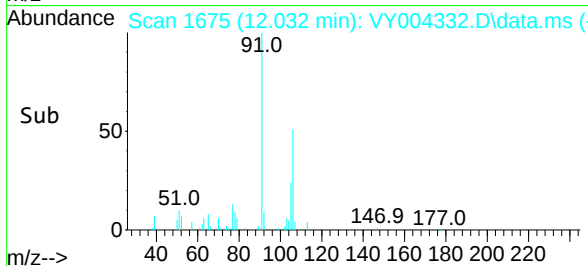
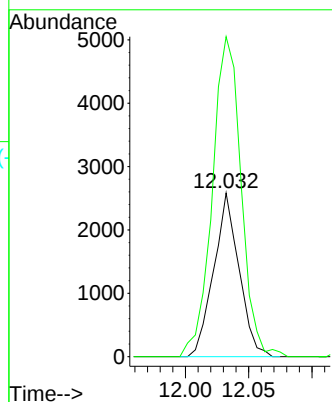
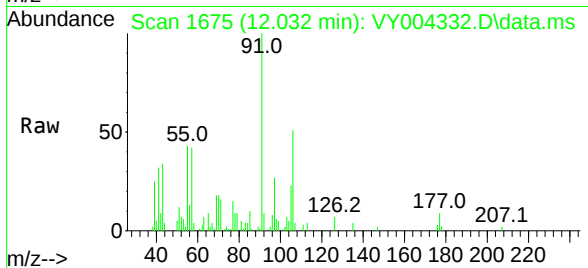




#69
o-Xylene
Concen: 1.05 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

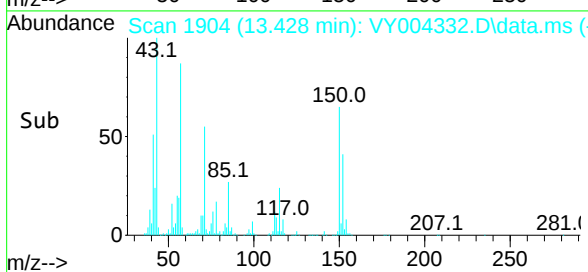
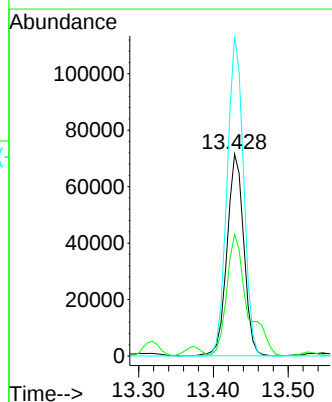
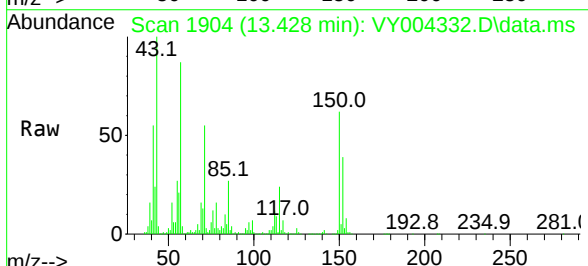
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MSVOA_Y
ClientSampled :

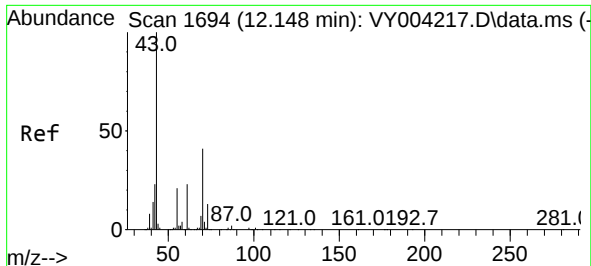
Tgt Ion:106 Resp: 3592
Ion Ratio Lower Upper
106 100
91 222.4 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

Tgt Ion:152 Resp: 111800
Ion Ratio Lower Upper
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115 73.7 29.0 87.1
150 154.9 0.0 347.4

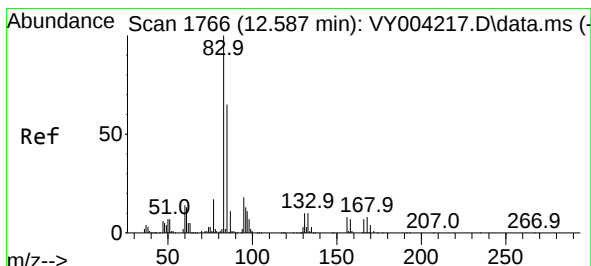
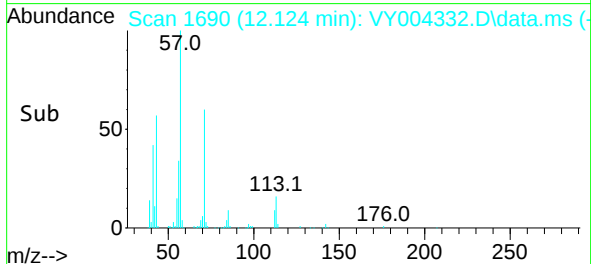
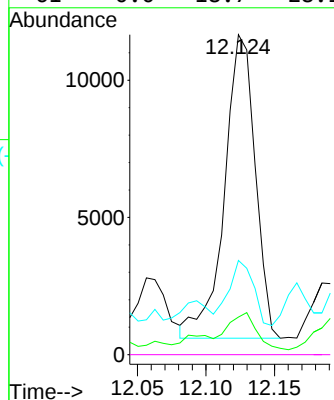
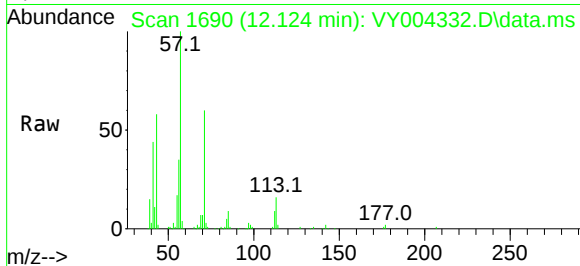




#74
N-amy1 acetate
Concen: 7.25 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

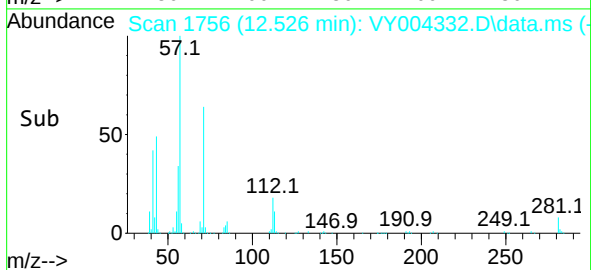
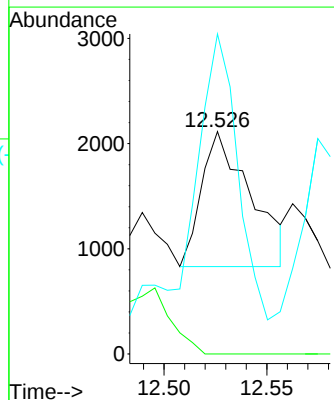
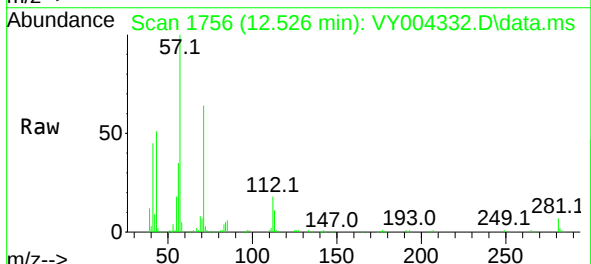
Instrument :
MSVOA_Y
ClientSampleId :

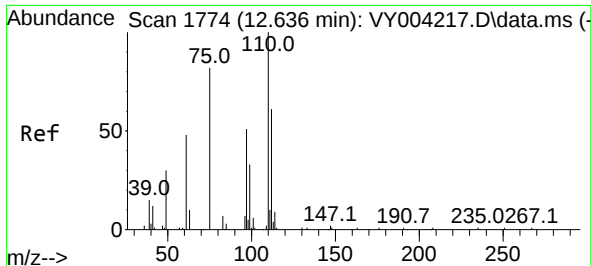
Tgt Ion: 43	Resp: 17300
Ion Ratio	Lower Upper
43 100	
70 11.3	32.6 49.0#
55 17.1	18.0 27.0#
61 0.0	18.7 28.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.41 ug/l
RT: 12.526 min Scan# 1756
Delta R.T. -0.061 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

Tgt Ion: 83	Resp: 2133
Ion Ratio	Lower Upper
83 100	
131 0.0	5.6 16.8#
85 0.0	31.8 95.4#

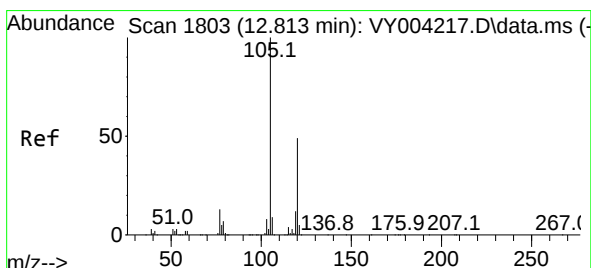
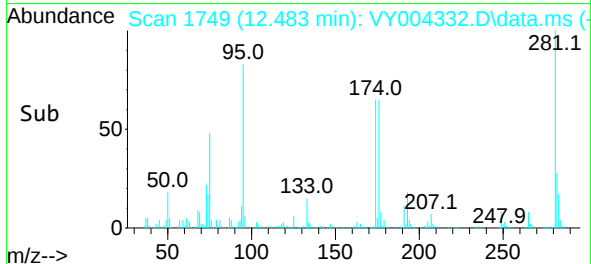
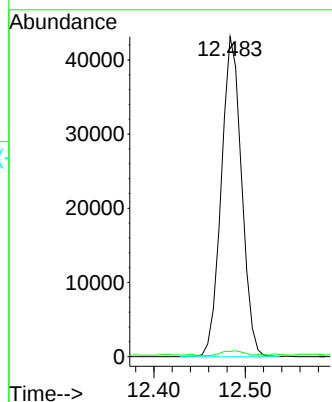
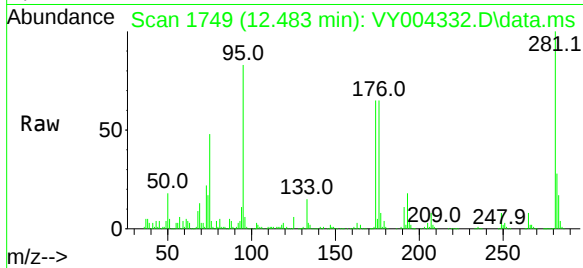




#76
1,2,3-Trichloropropane
Concen: 65.64 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

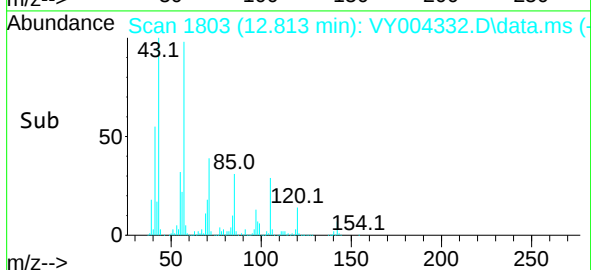
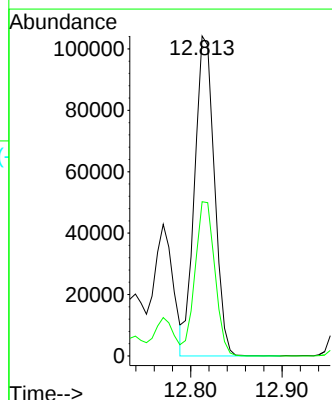
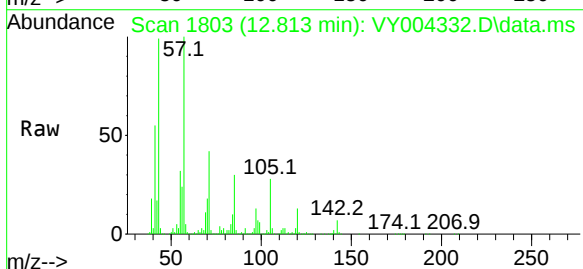
Instrument :
MSVOA_Y
ClientSampleId :

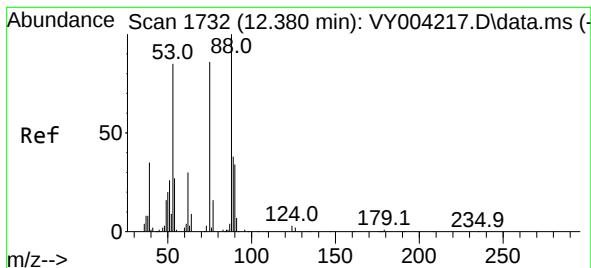
Tgt Ion: 75 Resp: 66635
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 23.53 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

Tgt Ion:105 Resp: 156798
Ion Ratio Lower Upper
105 100
120 48.4 24.9 74.7

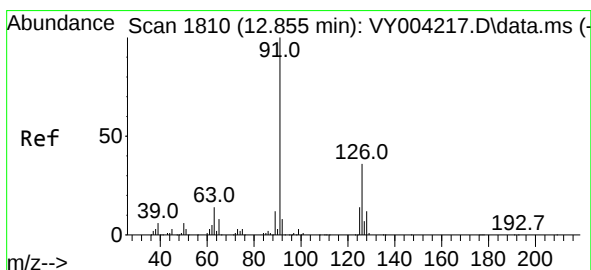
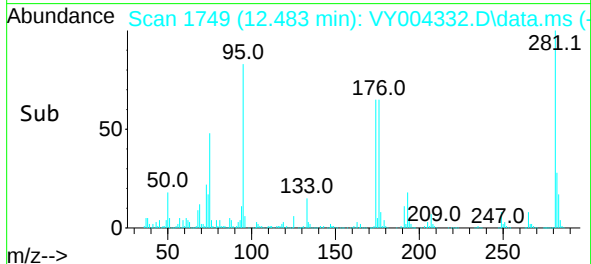
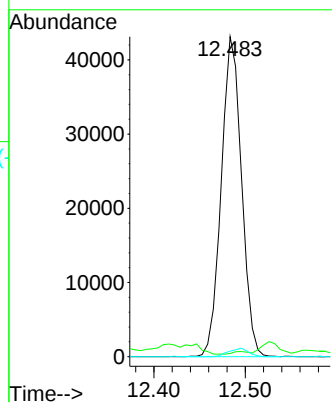
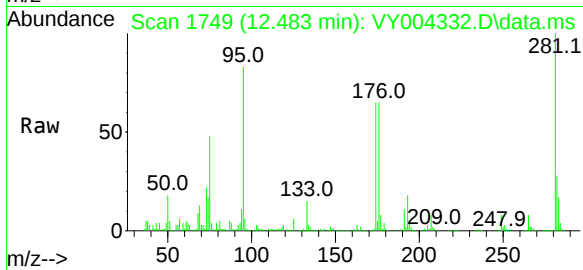




#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.97 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY004332.D
 Acq: 08 Apr 2021 13:59

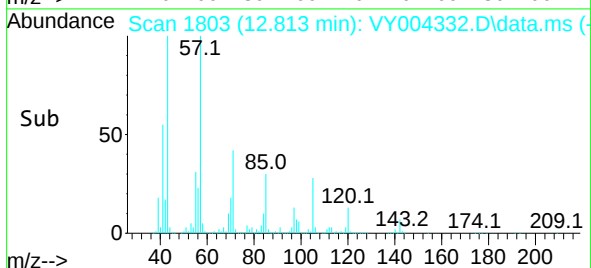
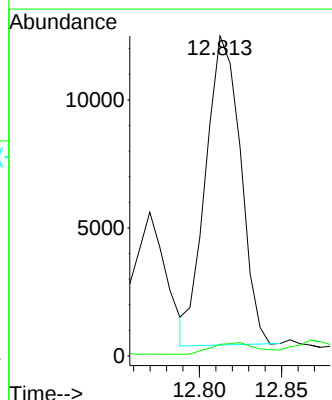
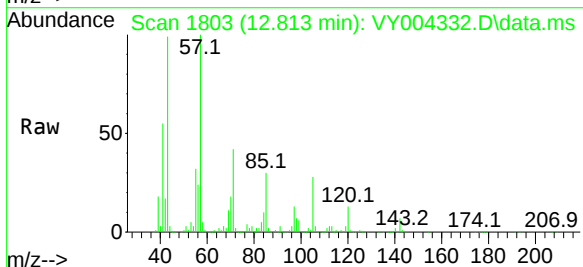
Instrument :
 MSVOA_Y
 ClientSampled :

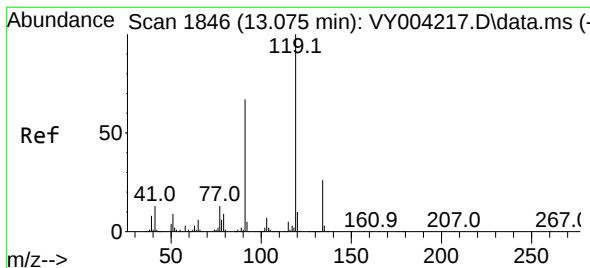
Tgt Ion: 75 Resp: 66635
 Ion Ratio Lower Upper
 75 100
 53 0.7 79.3 118.9#
 89 2.6 39.4 59.2#



#82
 4-Chlorotoluene
 Concen: 3.26 ug/l
 RT: 12.813 min Scan# 1803
 Delta R.T. -0.043 min
 Lab File: VY004332.D
 Acq: 08 Apr 2021 13:59

Tgt Ion: 91 Resp: 17790
 Ion Ratio Lower Upper
 91 100
 126 5.2 17.8 53.4#

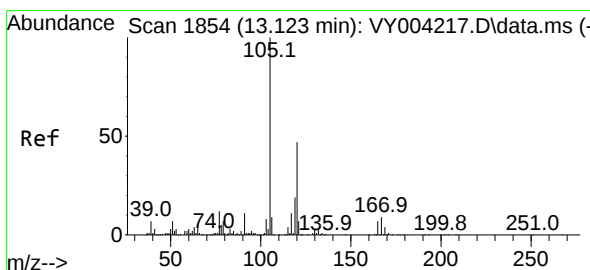
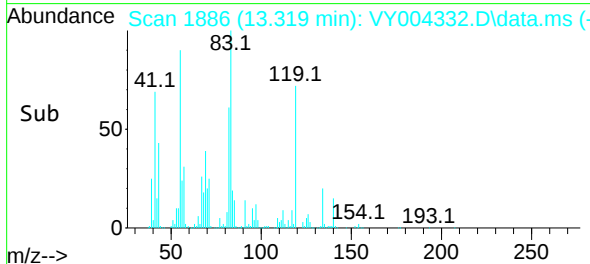
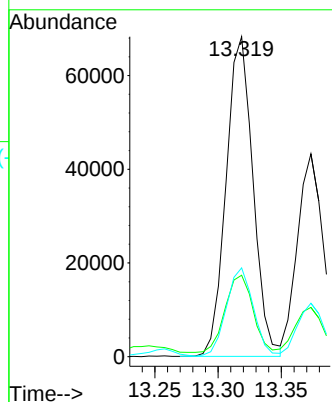
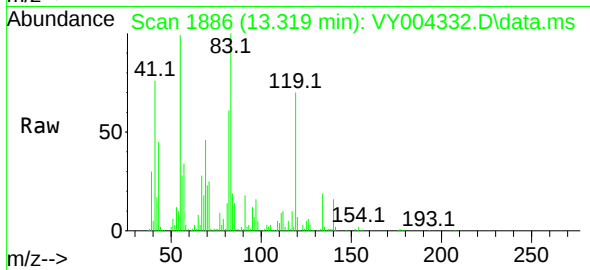




#83
tert-Butylbenzene
Concen: 17.53 ug/l
RT: 13.319 min Scan# 1886
Delta R.T. 0.244 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

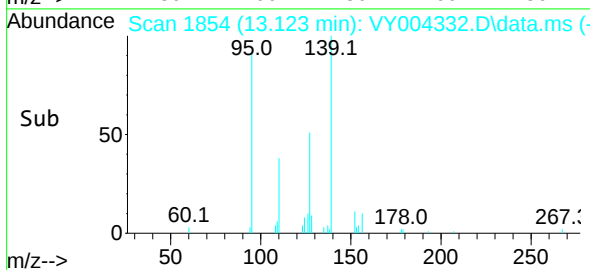
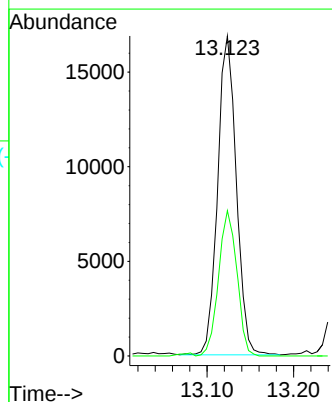
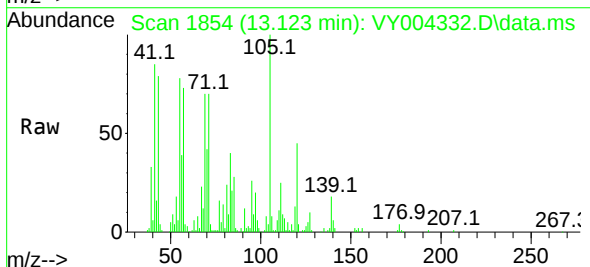
Instrument :
MSVOA_Y
ClientSampleId :

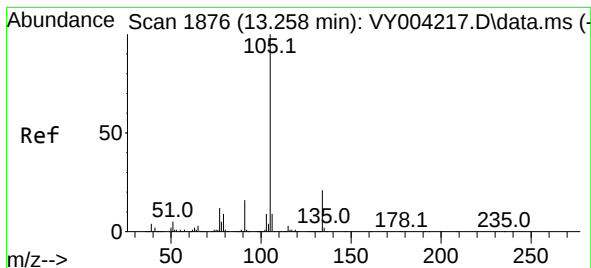
Tgt Ion:119 Resp: 100937
Ion Ratio Lower Upper
119 100
91 24.7 33.1 99.2#
134 27.7 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 3.78 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

Tgt Ion:105 Resp: 25233
Ion Ratio Lower Upper
105 100
120 44.8 22.9 68.7

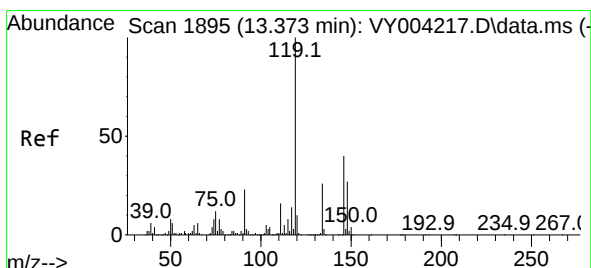
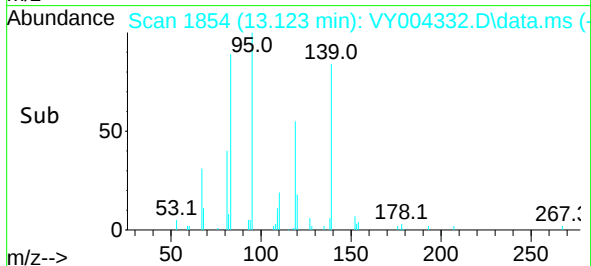
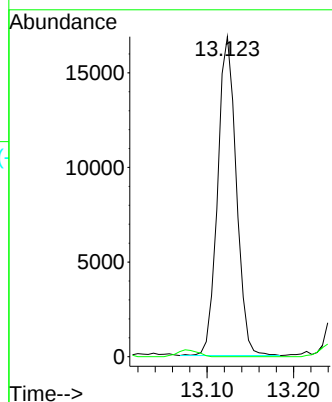
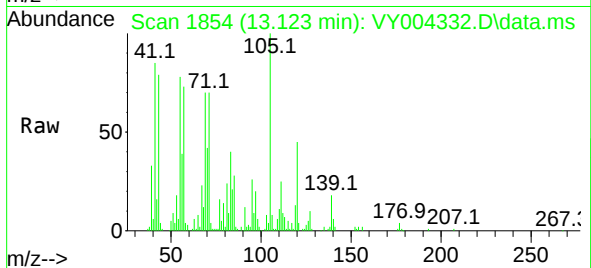




#85
 sec-Butylbenzene
 Concen: 3.18 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. -0.134 min
 Lab File: VY004332.D
 Acq: 08 Apr 2021 13:59

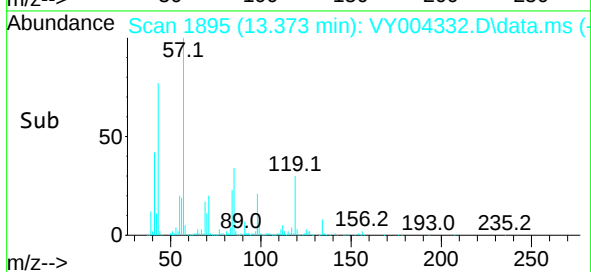
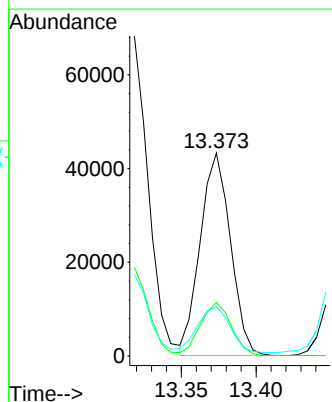
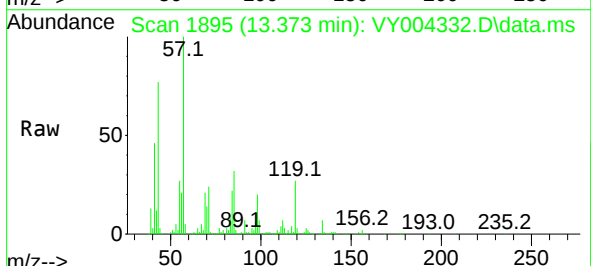
Instrument :
 MSVOA_Y
 ClientSampleId :

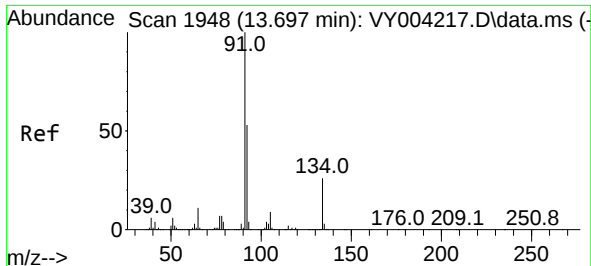
Tgt Ion:105 Resp: 25233
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.4#



#86
 p-Isopropyltoluene
 Concen: 8.25 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.000 min
 Lab File: VY004332.D
 Acq: 08 Apr 2021 13:59

Tgt Ion:119 Resp: 60802
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.9
 91 24.7 12.0 36.0

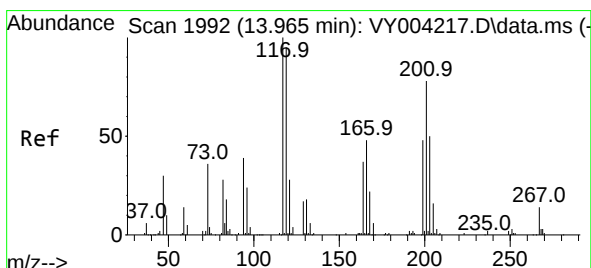
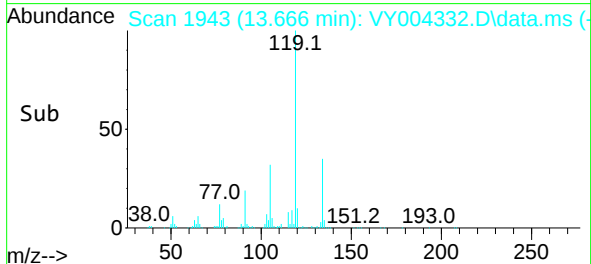
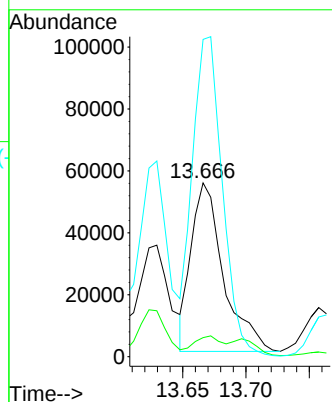
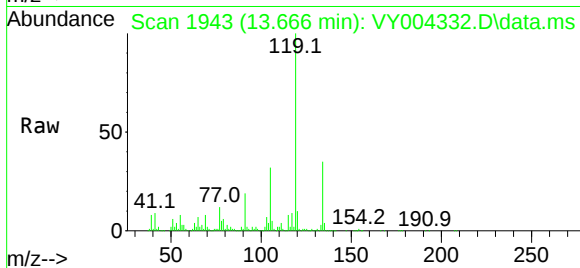




#89
n-Butylbenzene
Concen: 14.27 ug/l
RT: 13.666 min Scan# 1943
Delta R.T. -0.030 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

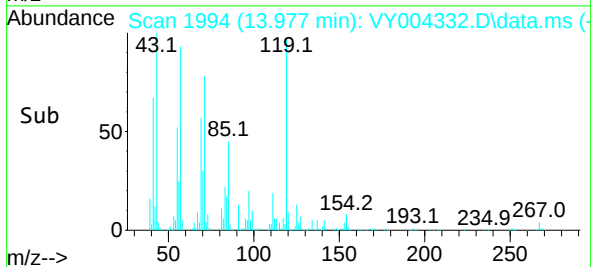
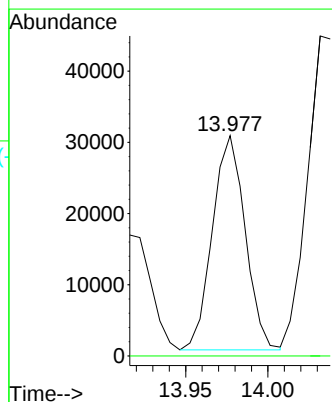
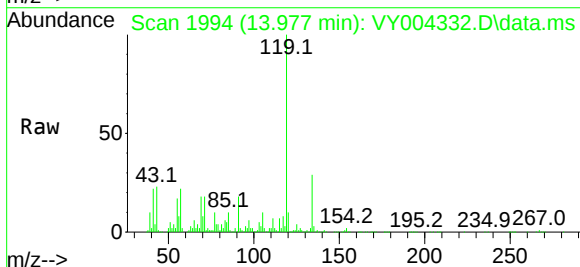
Instrument :
MSVOA_Y
ClientSampleId :

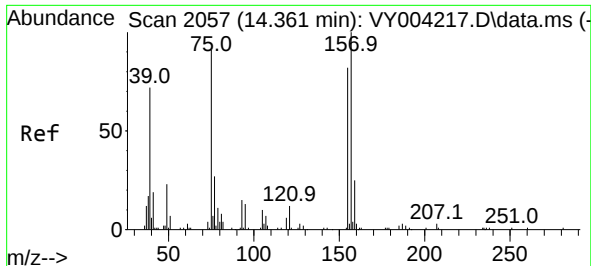
Tgt Ion: 91 Resp: 96779
Ion Ratio Lower Upper
91 100
92 6.2 26.5 79.4#
134 175.6 13.6 40.7#



#90
Hexachloroethane
Concen: 61.68 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

Tgt Ion: 117 Resp: 41676
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#

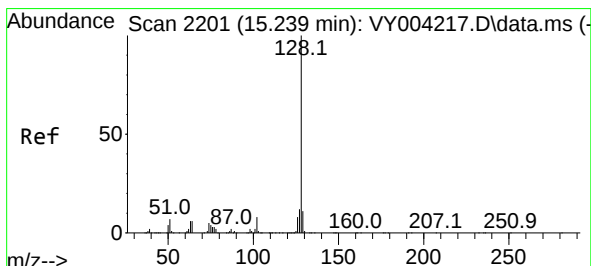
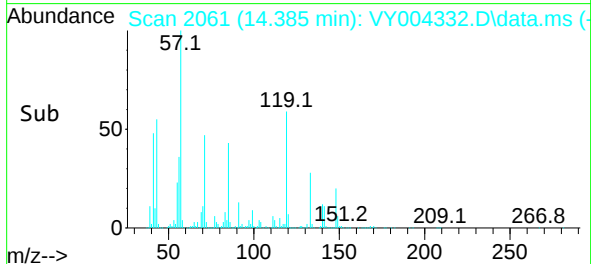
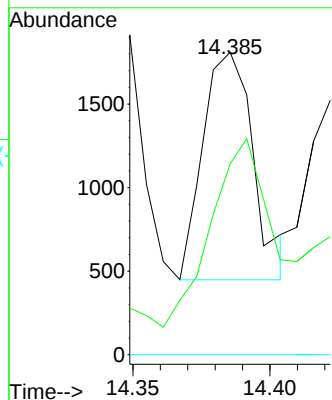
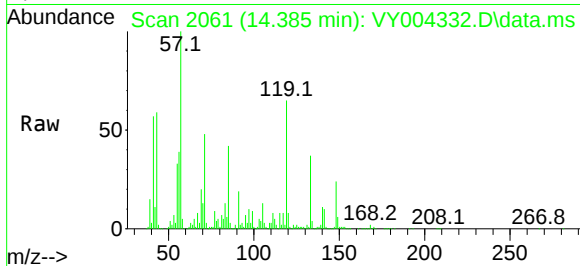




#92
1,2-Dibromo-3-Chloropropane
Concen: 6.17 ug/l
RT: 14.385 min Scan# 2061
Delta R.T. 0.024 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

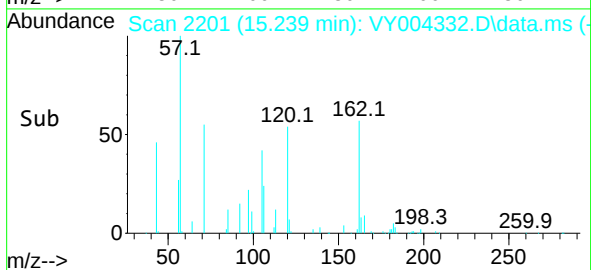
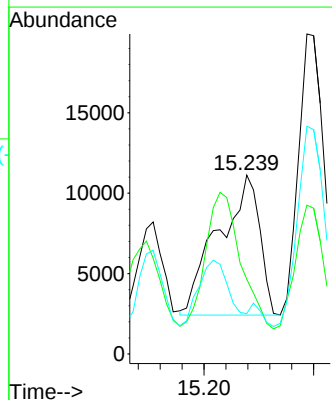
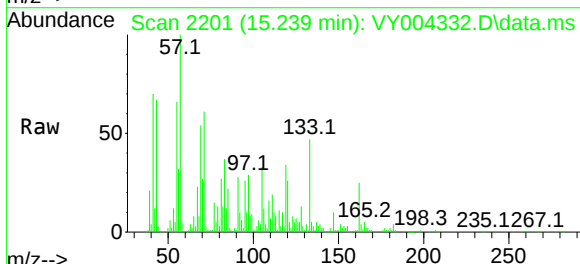
Instrument :
MSVOA_Y
ClientSampleId :

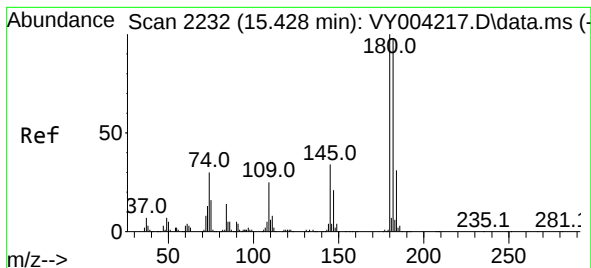
Tgt Ion: 75 Resp: 1741
Ion Ratio Lower Upper
75 100
155 100.9 46.3 138.8
157 0.0 58.3 174.9#



#95
Naphthalene
Concen: 4.70 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004332.D
Acq: 08 Apr 2021 13:59

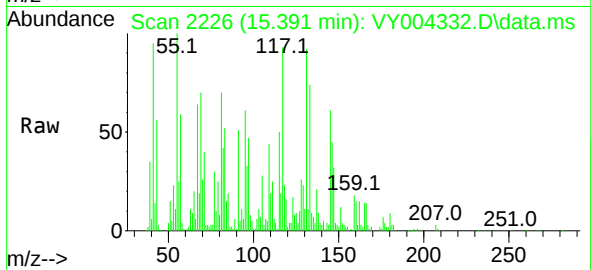
Tgt Ion:128 Resp: 22695
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.10 ug/l
 RT: 15.391 min Scan# 2226
 Delta R.T. -0.037 min
 Lab File: VY004332.D
 Acq: 08 Apr 2021 13:59

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 6447
 Ion Ratio Lower Upper
 180 100
 182 37.2 48.0 144.0#
 145 730.0 16.7 50.0#

