

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031921\
 Data File : VY004138.D
 Acq On : 19 Mar 2021 15:35
 Operator : SY/MD
 Sample : M1721-01
 Misc : 3.34g/5mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-031821

Quant Time: Mar 20 03:14:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

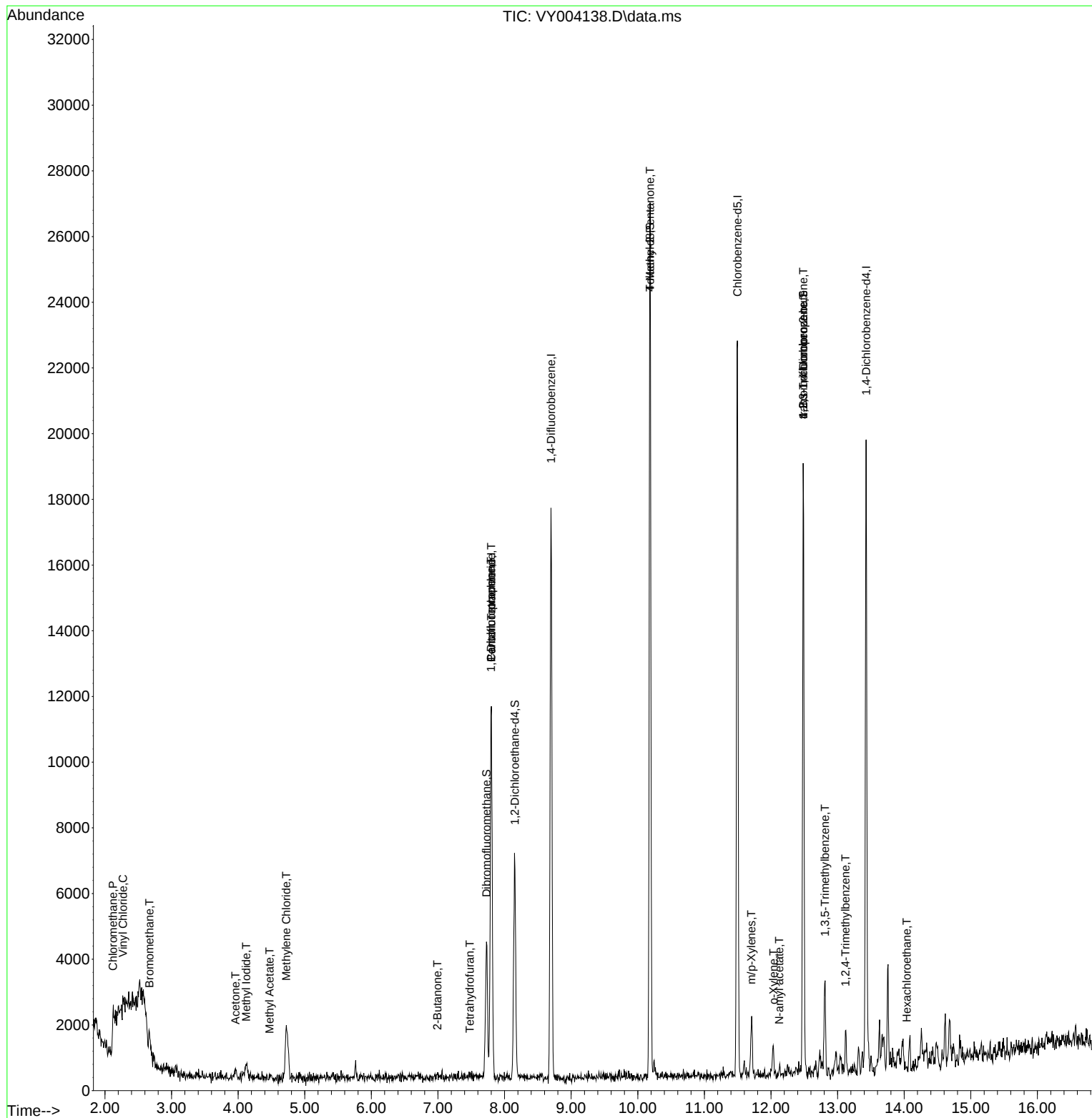
Internal Standards						
1) Pentafluorobenzene	7.801	168	8599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	15085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	12820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4708	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	5251	61.88	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.76%			
35) Dibromofluoromethane	7.728	113	2889	33.96	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 67.92%			
50) Toluene-d8	10.185	98	17046	51.11	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.22%			
62) 4-Bromofluorobenzene	12.483	95	5553	45.08	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.16%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	515	2.39	ug/l	89
4) Vinyl Chloride	2.272	62	195	1.88	ug/l #	43
5) Bromomethane	2.668	94	503	7.58	ug/l	87
10) Methyl Iodide	4.119	142	871	11.03	ug/l #	78
16) Acetone	3.960	43	515	25.14	ug/l	91
18) Methyl Acetate	4.473	43	98	1.94	ug/l #	54
20) Methylene Chloride	4.723	84	1198	10.58	ug/l	91
25) 2-Butanone	6.990	43	44	1.49	ug/l #	51
29) Tetrahydrofuran	7.478	42	21	1.09	ug/l #	35
36) 1,1-Dichloropropene	7.795	75	583	4.40	ug/l #	42
38) Carbon Tetrachloride	7.801	117	850	6.05	ug/l #	13
51) 4-Methyl-2-Pentanone	10.185	43	104	1.43	ug/l #	18
68) m/p-Xylenes	11.703	106	451	2.62	ug/l	82
69) o-Xylene	12.038	106	331	2.04	ug/l	93
74) N-amyl acetate	12.124	43	130	1.39	ug/l #	44
76) 1,2,3-Trichloropropane	12.483	75	2605	57.71	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	514	1.85	ug/l	78
81) trans-1,4-Dichloro-2-b...	12.483	75	2605	113.89	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	880	3.17	ug/l	78
90) Hexachloroethane	14.038	117	62	1.13	ug/l #	4

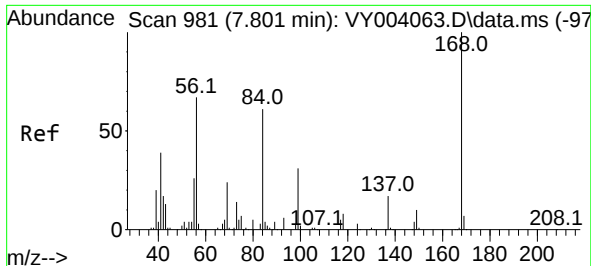
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
TR-05-031821

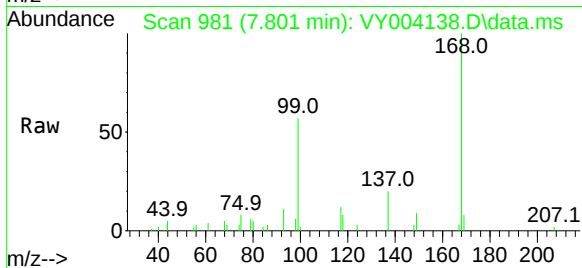
Quant Time: Mar 20 03:14:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 08 12:28:55 2021
Response via : Initial Calibration



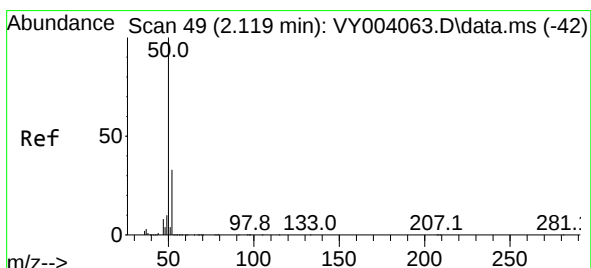
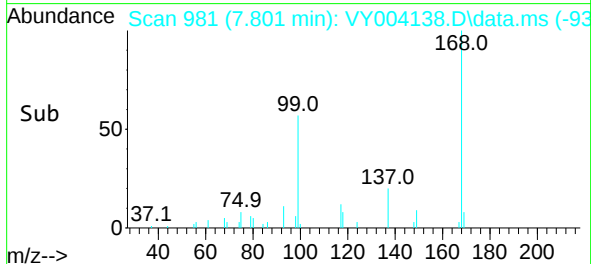
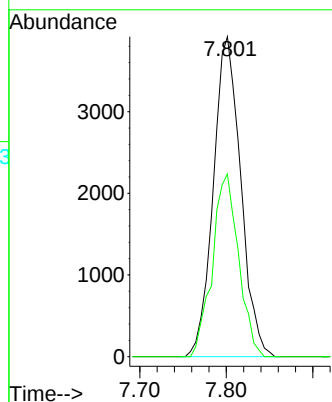


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

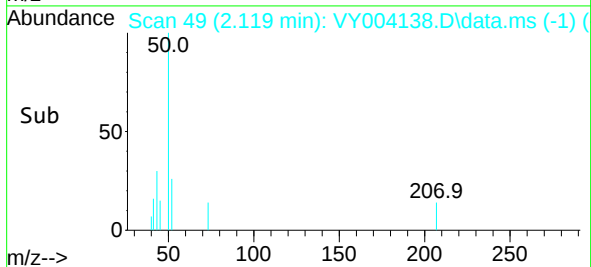
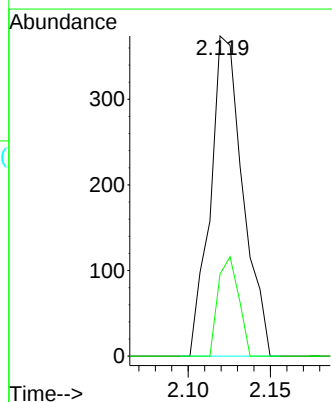
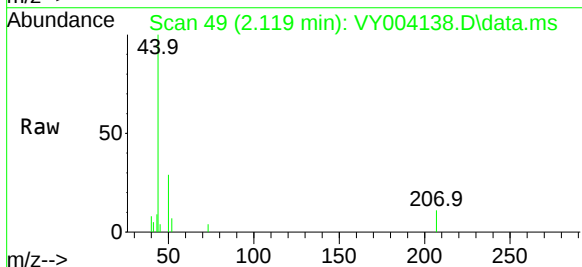


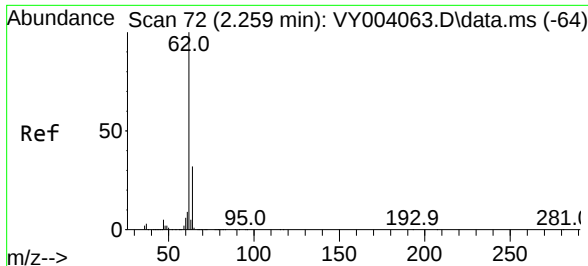
Tgt Ion:168 Resp: 8599
Ion Ratio Lower Upper
168 100
99 57.1 41.2 61.8



#3
Chloromethane
Concen: 2.39 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Tgt Ion: 50 Resp: 515
Ion Ratio Lower Upper
50 100
52 25.7 25.4 38.2

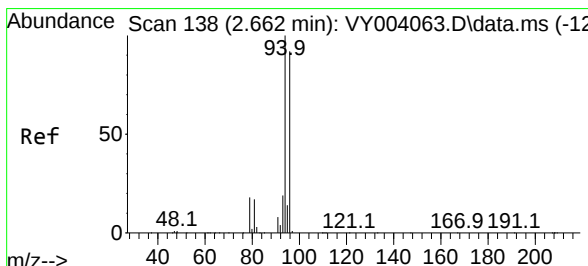
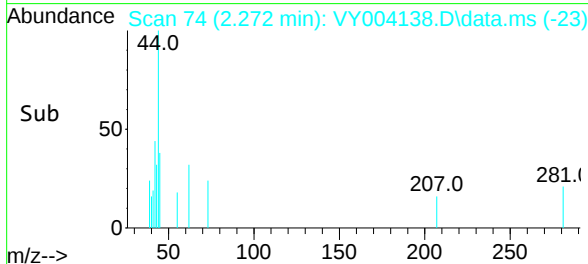
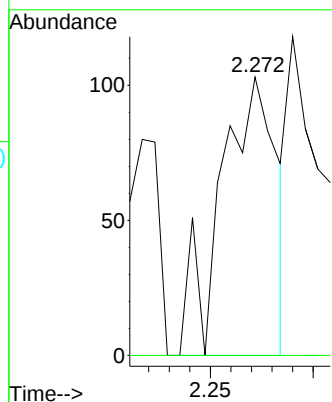
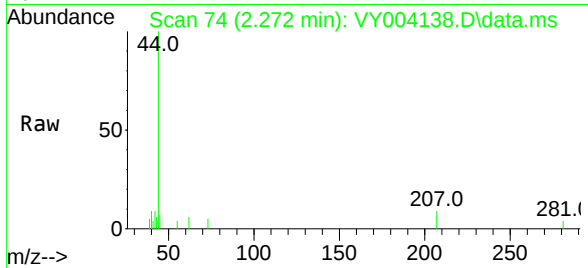




#4
 Vinyl Chloride
 Concen: 1.88 ug/l
 RT: 2.272 min Scan# 74
 Delta R.T. 0.013 min
 Lab File: VY004138.D
 Acq: 19 Mar 2021 15:35

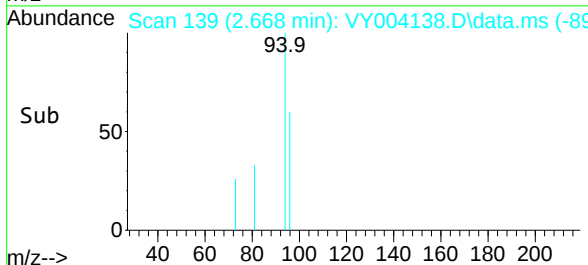
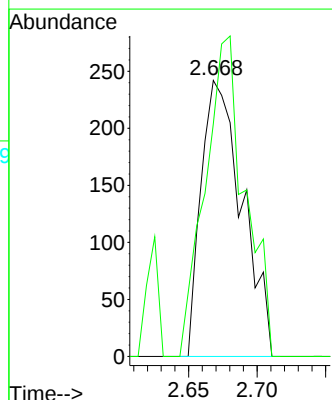
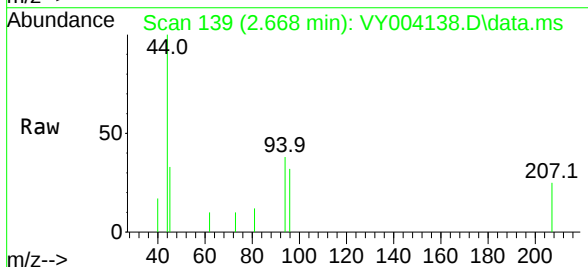
Instrument :
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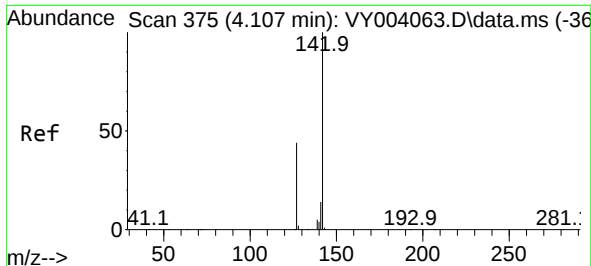
Tgt Ion: 62 Resp: 195
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.3 37.9#



#5
 Bromomethane
 Concen: 7.58 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.006 min
 Lab File: VY004138.D
 Acq: 19 Mar 2021 15:35

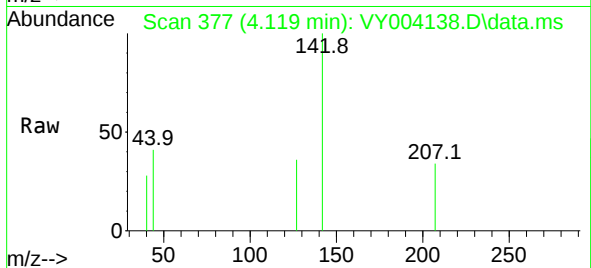
Tgt Ion: 94 Resp: 503
 Ion Ratio Lower Upper
 94 100
 96 84.3 77.4 116.2



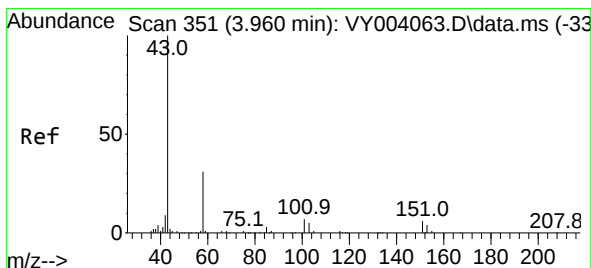
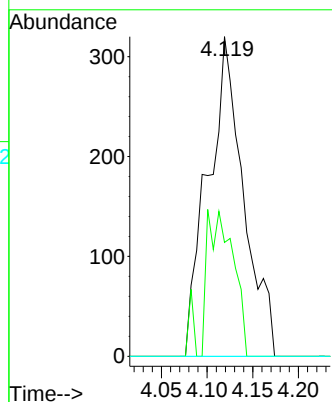
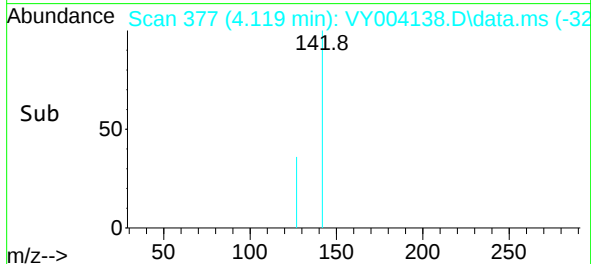


#10
Methyl Iodide
Concen: 11.03 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.012 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

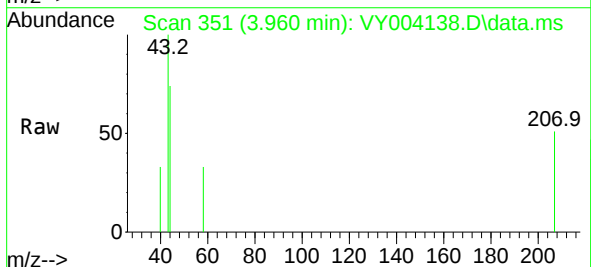
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821



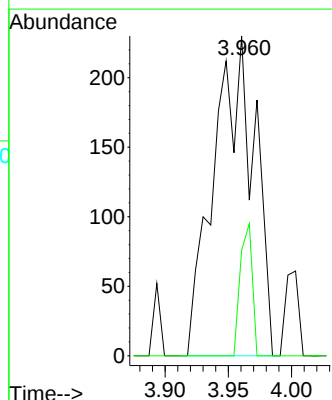
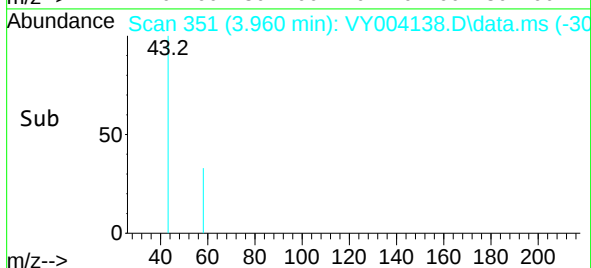
Tgt Ion:142 Resp: 871
Ion Ratio Lower Upper
142 100
127 33.1 35.4 53.0#
141 0.0 11.5 17.3#

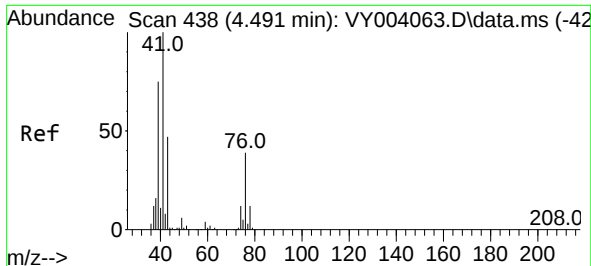


#16
Acetone
Concen: 25.14 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35



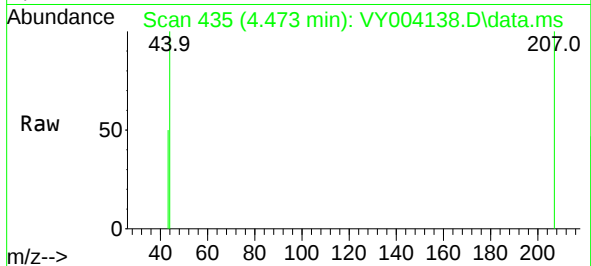
Tgt Ion: 43 Resp: 515
Ion Ratio Lower Upper
43 100
58 33.0 22.6 34.0



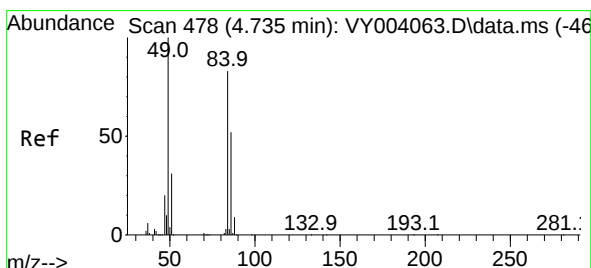
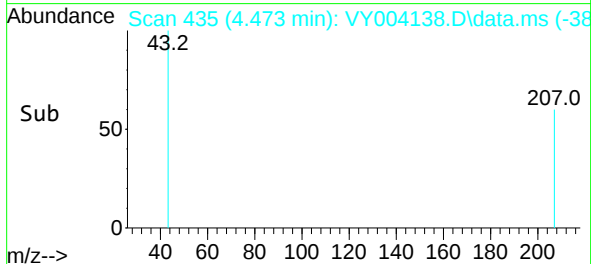
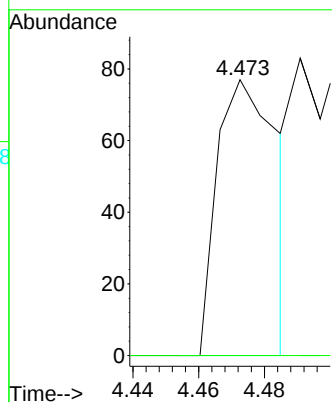


#18
Methyl Acetate
Concen: 1.94 ug/l
RT: 4.473 min Scan# 435
Delta R.T. -0.018 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

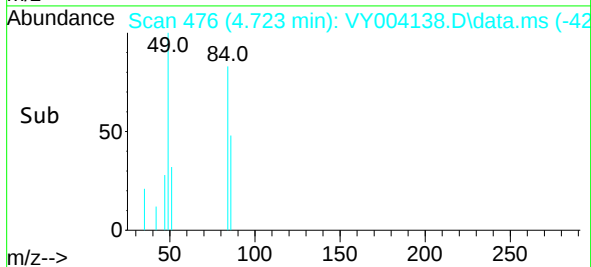
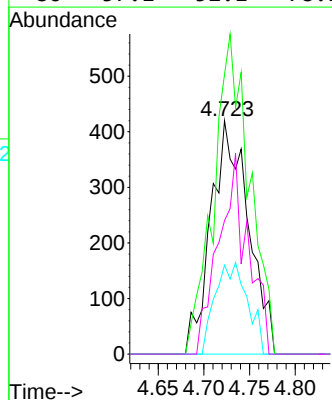
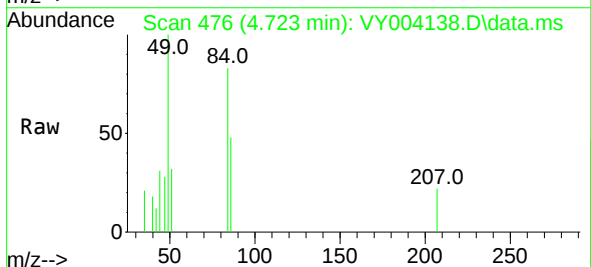


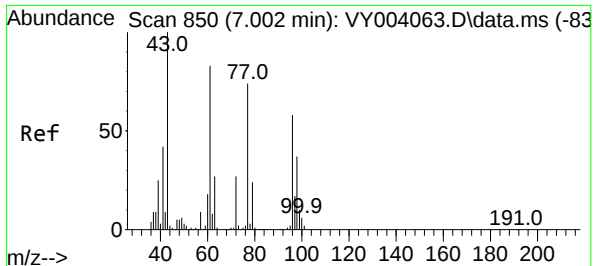
Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#



#20
Methylene Chloride
Concen: 10.58 ug/l
RT: 4.723 min Scan# 476
Delta R.T. -0.012 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Tgt Ion: 84 Resp: 1198
Ion Ratio Lower Upper
84 100
49 119.8 105.8 158.6
51 38.1 32.6 48.8
86 57.1 52.1 78.1

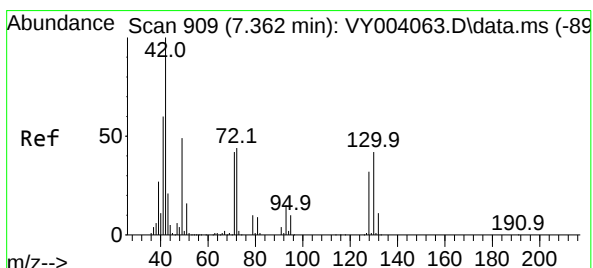
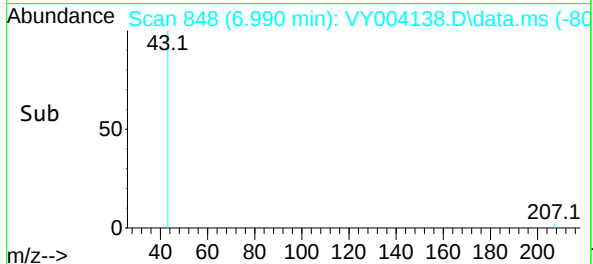
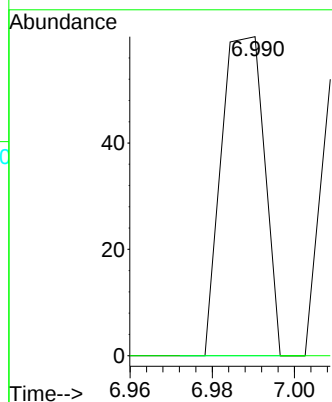
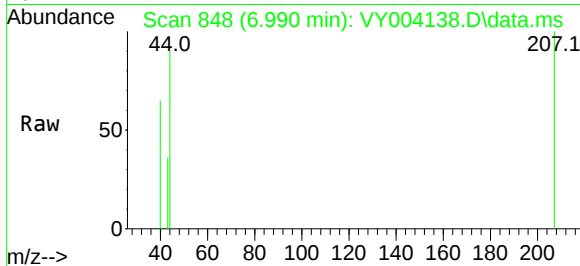




#25
2-Butanone
Concen: 1.49 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

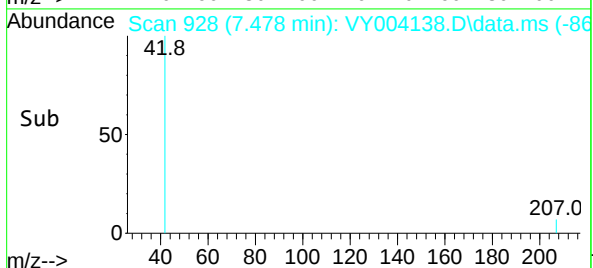
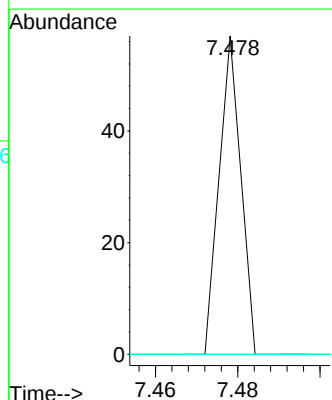
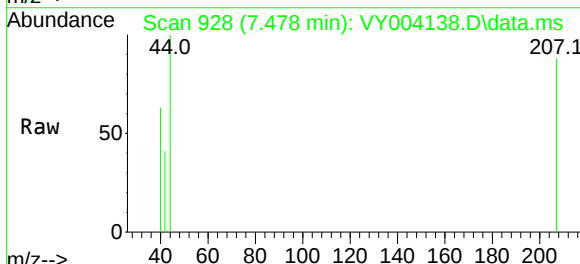
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ClientSampleId :
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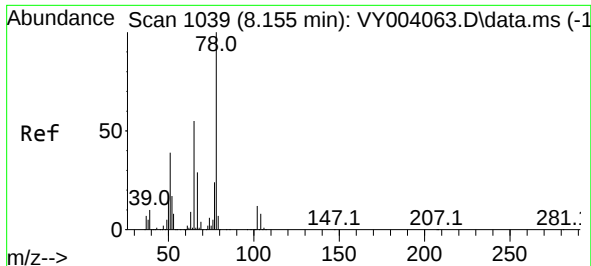
Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.0#



#29
Tetrahydrofuran
Concen: 1.09 ug/l
RT: 7.478 min Scan# 928
Delta R.T. 0.116 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Tgt Ion: 42 Resp: 21
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 0.0 31.0 46.6#

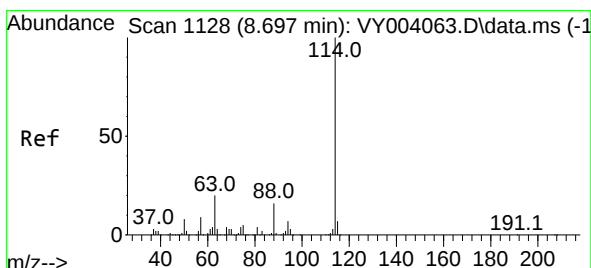
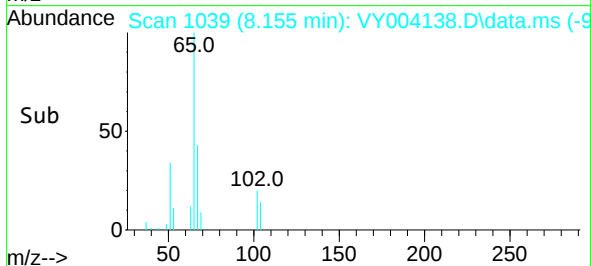
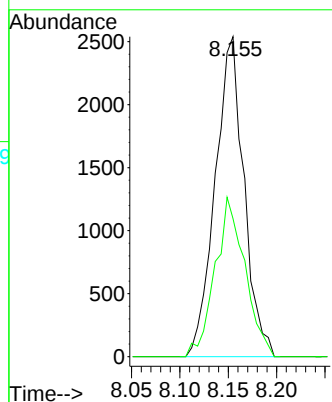
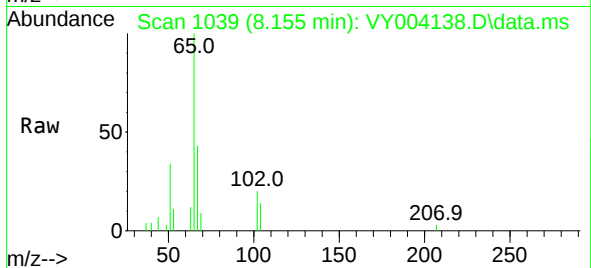




#33
1,2-Dichloroethane-d4
Concen: 61.88 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

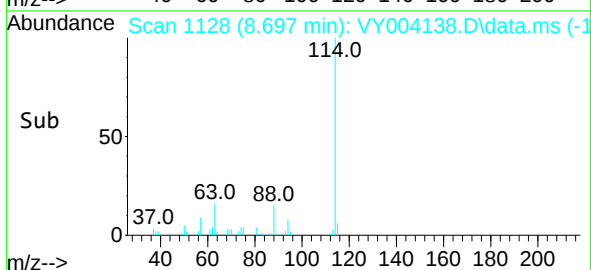
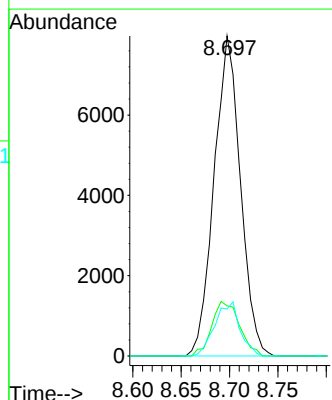
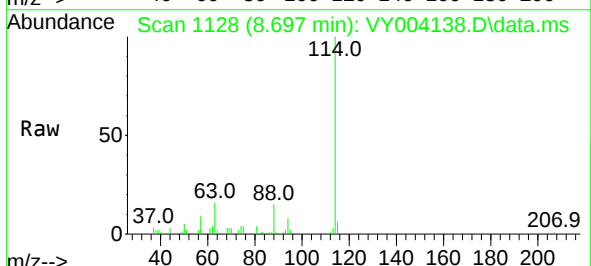
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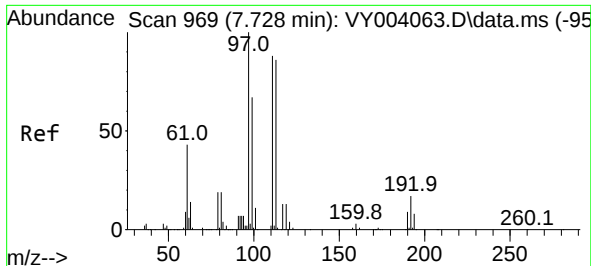
Tgt Ion: 65 Resp: 5251
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Tgt Ion: 114 Resp: 15085
Ion Ratio Lower Upper
114 100
63 15.7 0.0 41.6
88 14.7 0.0 31.4

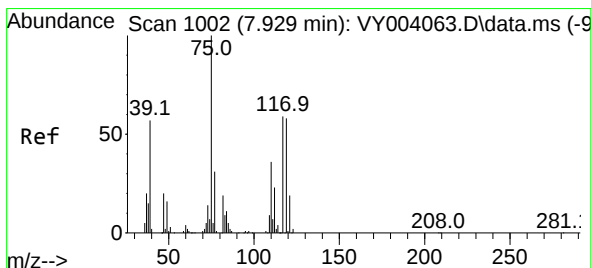
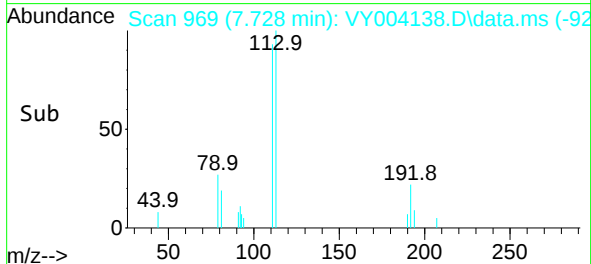
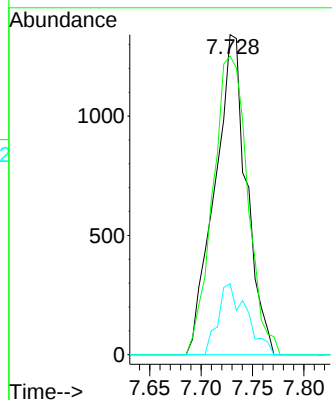
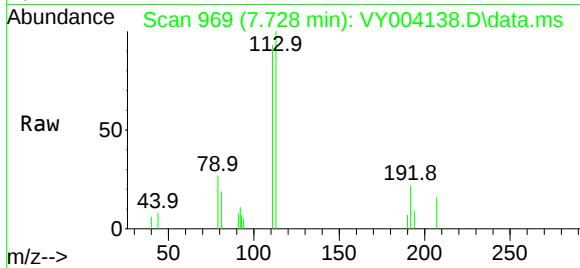




#35
Dibromofluoromethane
Concen: 33.96 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

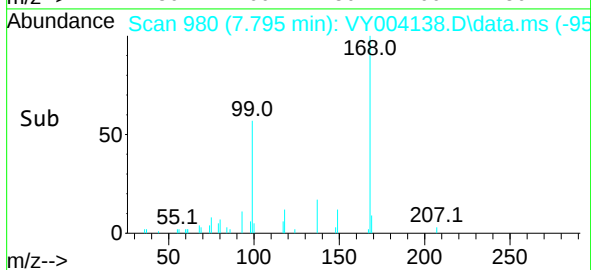
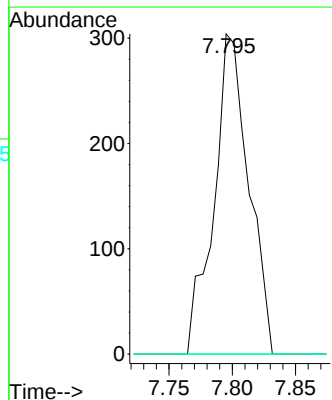
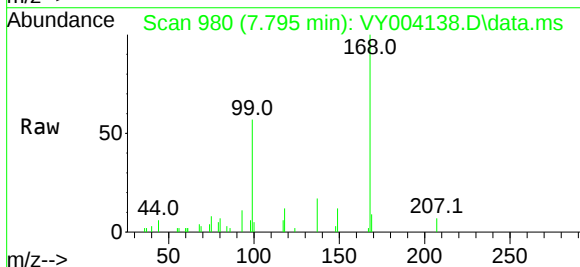
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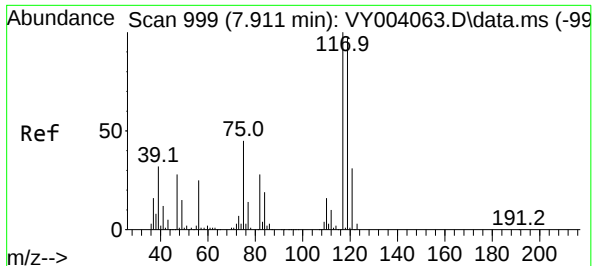
Tgt Ion:113 Resp: 2889
Ion Ratio Lower Upper
113 100
111 102.0 83.2 124.8
192 19.9 18.5 27.7



#36
1,1-Dichloropropene
Concen: 4.40 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

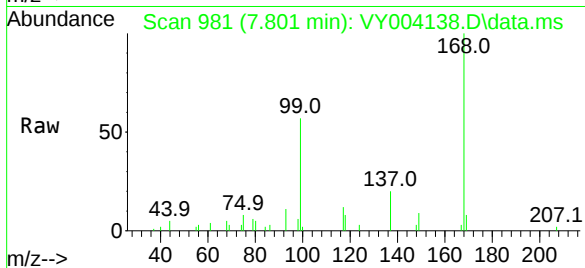
Tgt Ion: 75 Resp: 583
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.0 24.5 36.7#



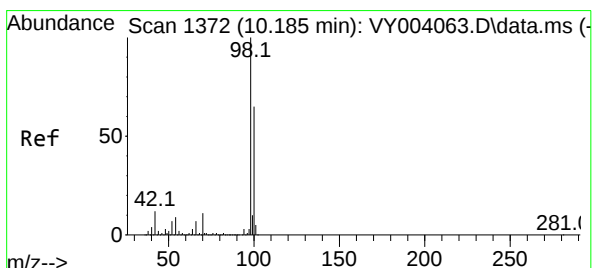
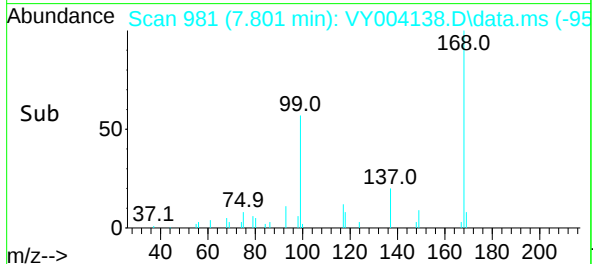
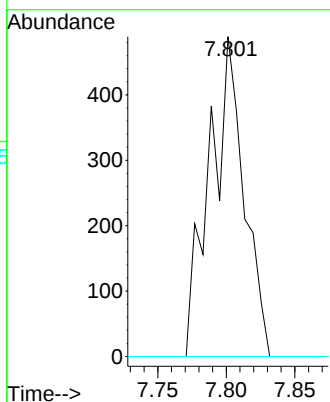


#38
Carbon Tetrachloride
Concen: 6.05 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

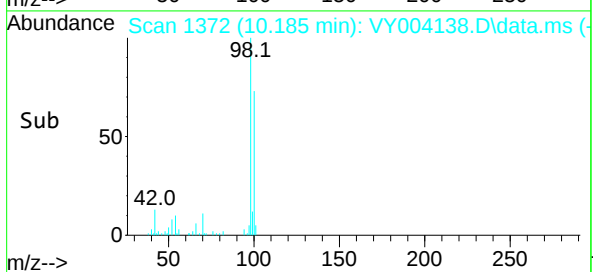
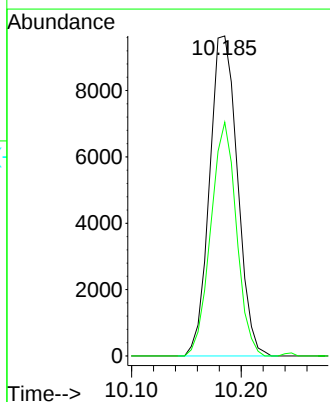
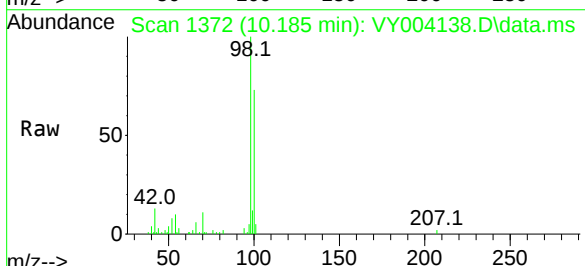


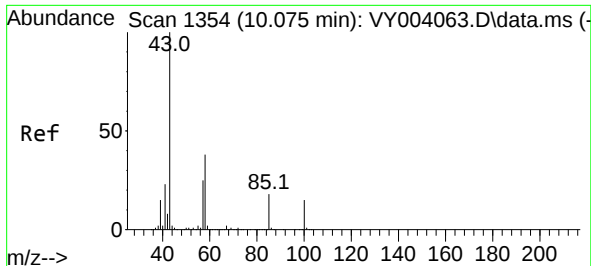
Tgt Ion: 117 Resp: 850
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.11 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Tgt Ion: 98 Resp: 17046
Ion Ratio Lower Upper
98 100
100 67.1 51.8 77.6

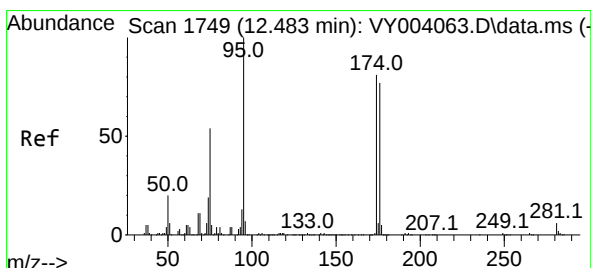
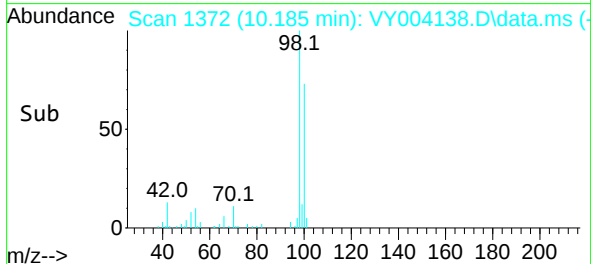
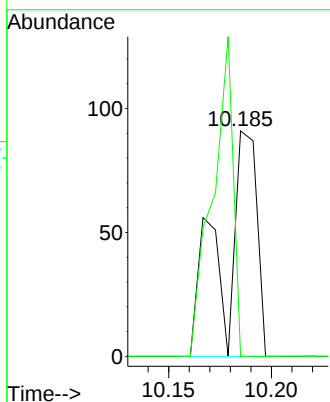
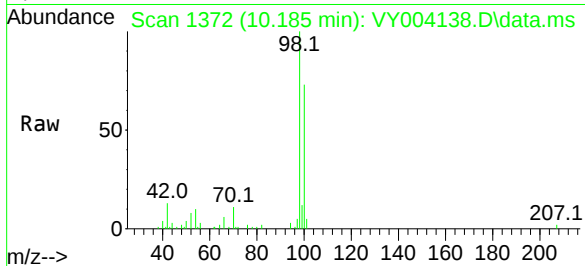




#51
4-Methyl-2-Pentanone
Concen: 1.43 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

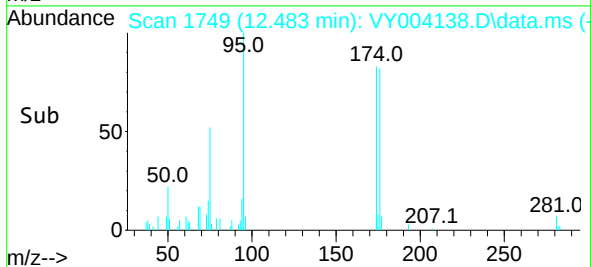
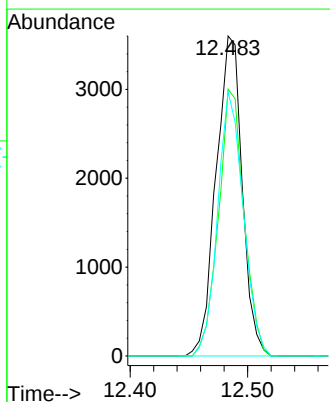
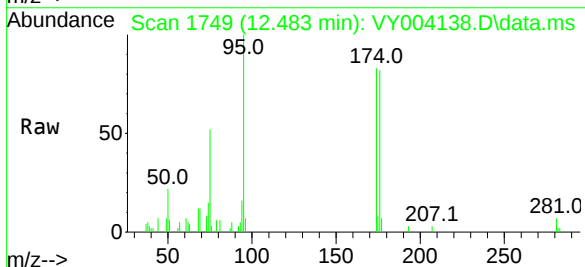
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

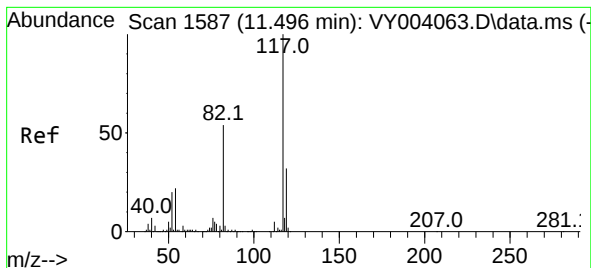
Tgt Ion: 43 Resp: 104
Ion Ratio Lower Upper
43 100
58 86.5 29.8 44.8#



#62
4-Bromofluorobenzene
Concen: 45.08 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Tgt Ion: 95 Resp: 5553
Ion Ratio Lower Upper
95 100
174 81.4 0.0 179.0
176 80.9 0.0 174.4

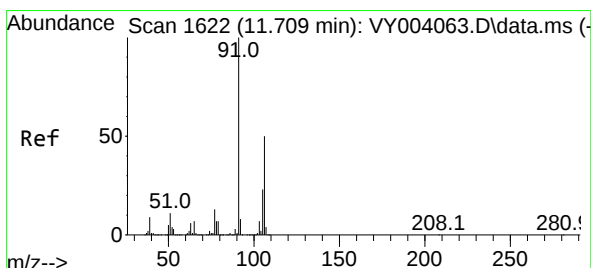
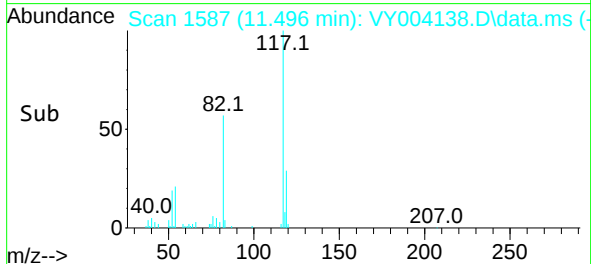
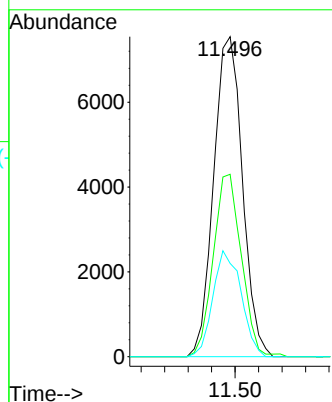
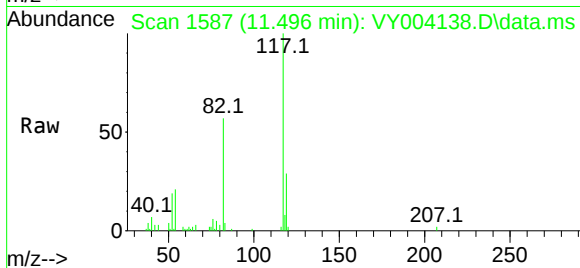




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

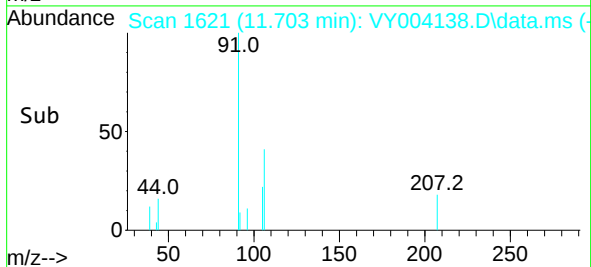
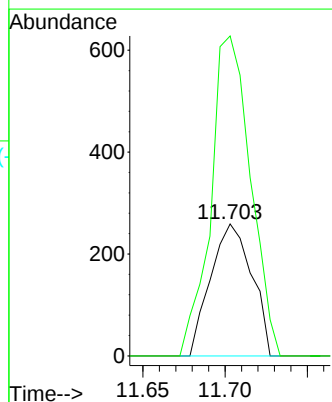
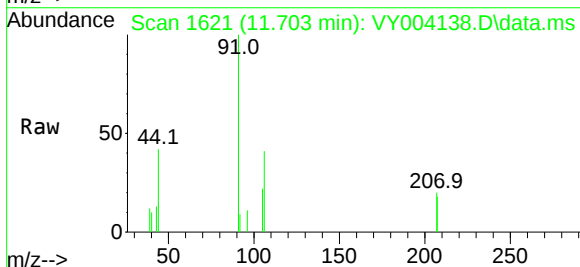
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

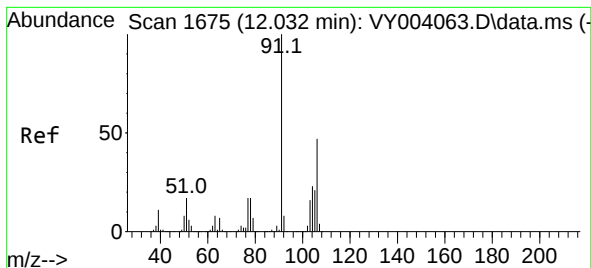
Tgt Ion:	117	Resp:	12820
Ion	Ratio	Lower	Upper
117	100		
82	57.0	43.8	65.6
119	29.1	26.2	39.2



#68
m/p-Xylenes
Concen: 2.62 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Tgt Ion:	106	Resp:	451
Ion	Ratio	Lower	Upper
106	100		
91	233.9	165.4	248.0

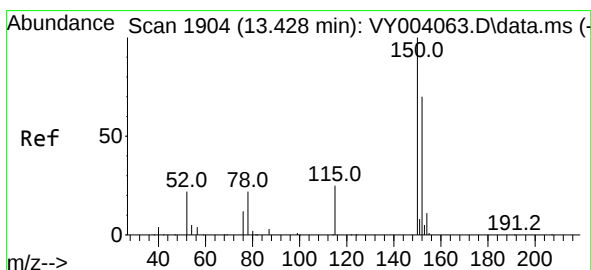
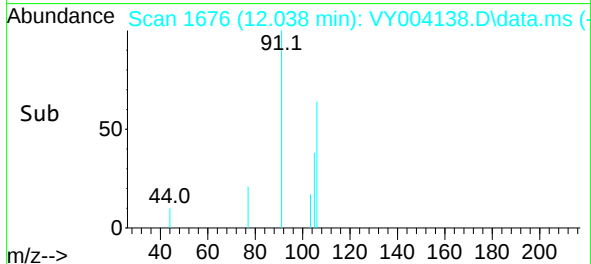
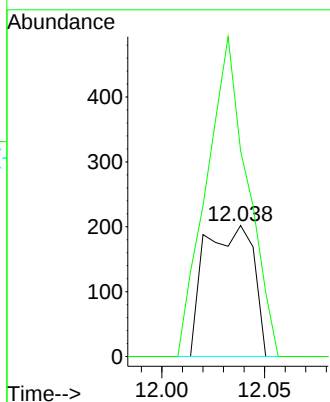
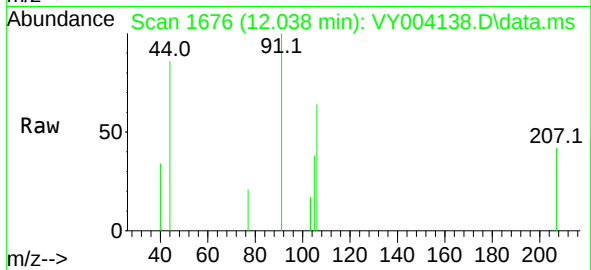




#69
o-Xylene
Concen: 2.04 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

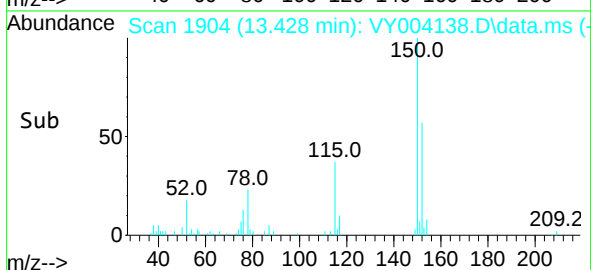
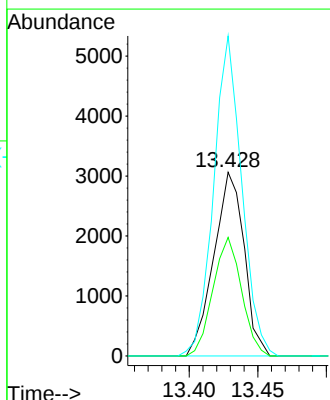
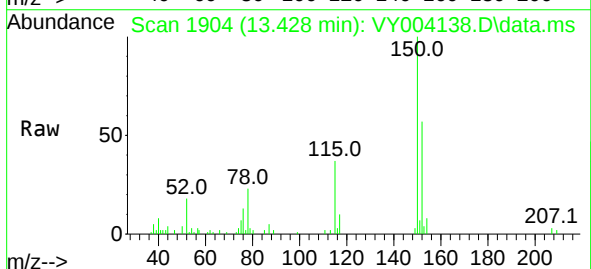
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

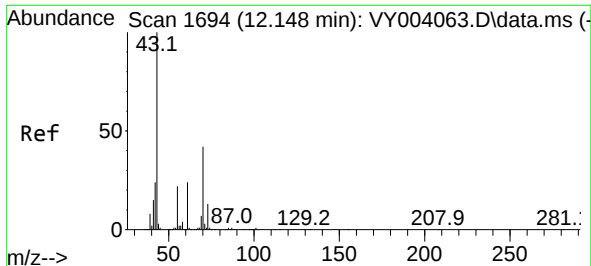
Tgt Ion:106 Resp: 331
Ion Ratio Lower Upper
106 100
91 206.3 108.9 326.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Tgt Ion:152 Resp: 4708
Ion Ratio Lower Upper
152 100
115 60.9 28.2 84.6
150 161.7 0.0 347.2

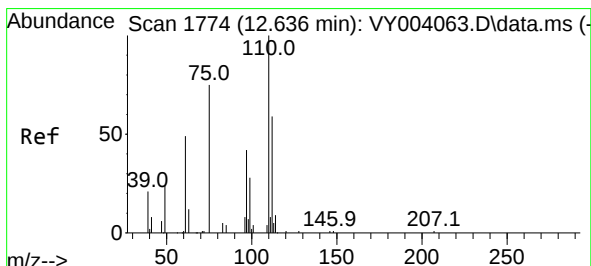
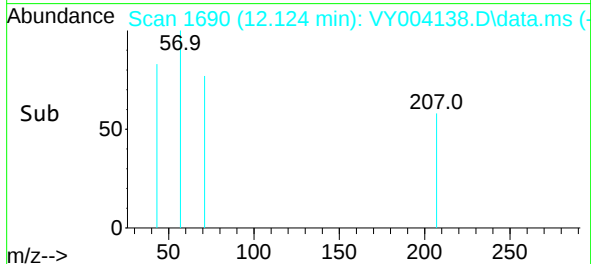
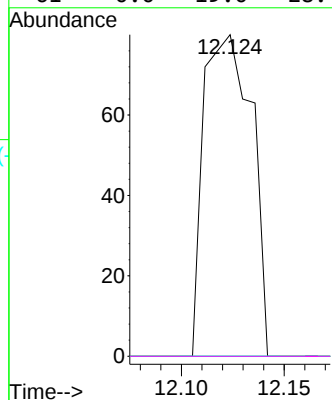
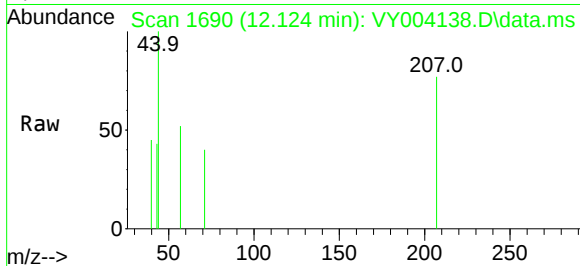




#74
N-amy1 acetate
Concen: 1.39 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

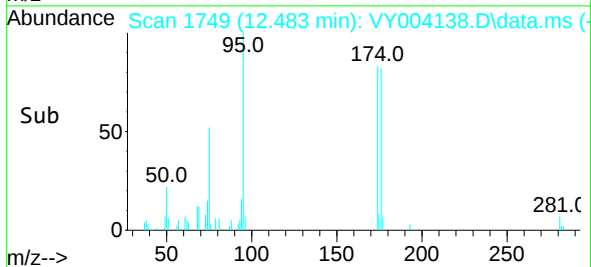
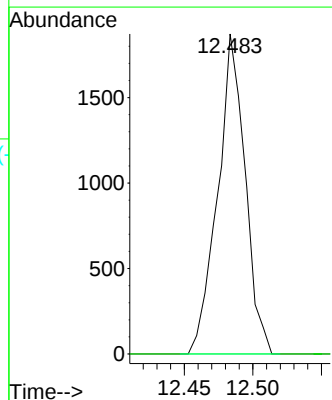
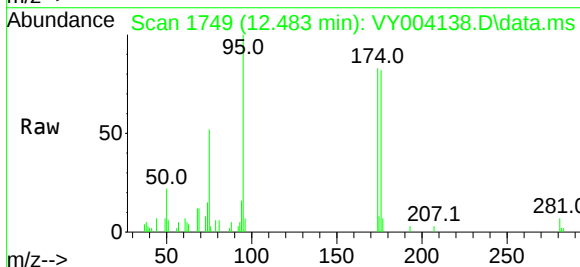
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

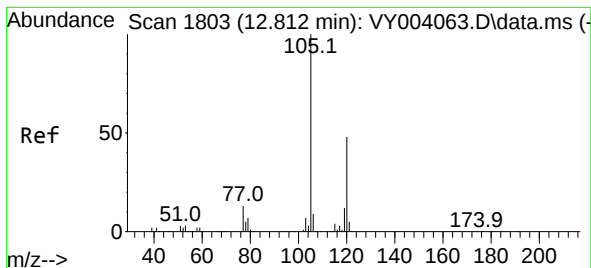
Tgt Ion: 43	Resp: 130
Ion Ratio	Lower Upper
43 100	
70 0.0	32.3 48.5#
55 0.0	18.4 27.6#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 57.71 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Tgt Ion: 75	Resp: 2605
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0

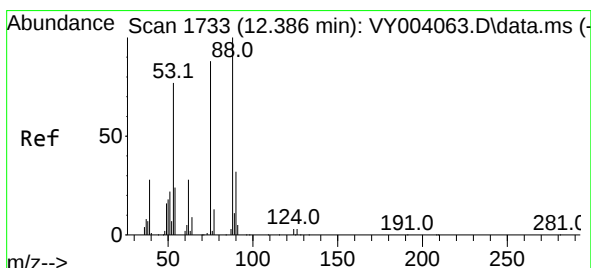
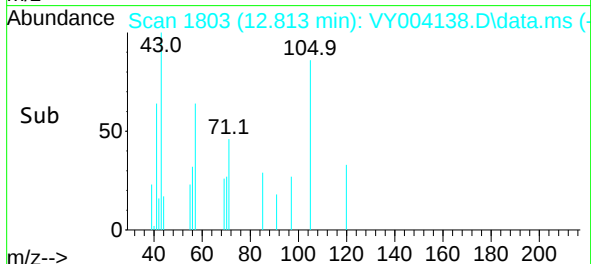
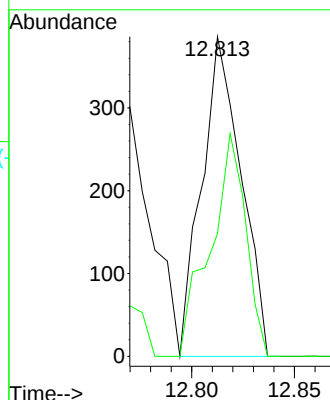
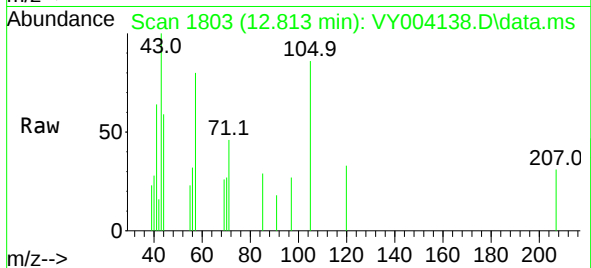




#80
1,3,5-Trimethylbenzene
Concen: 1.85 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.001 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

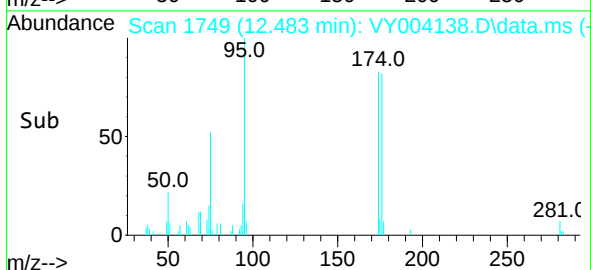
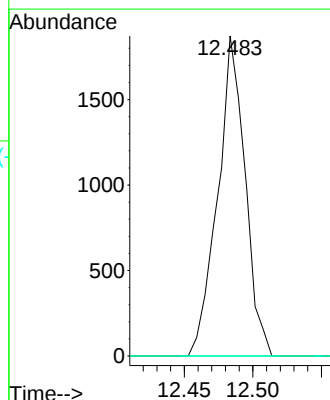
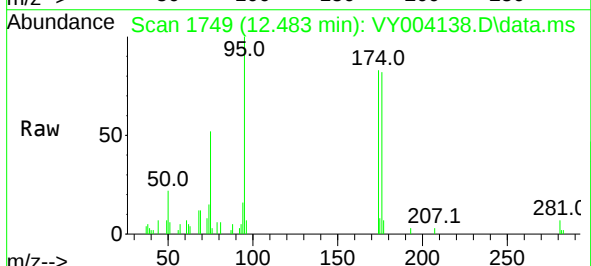
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

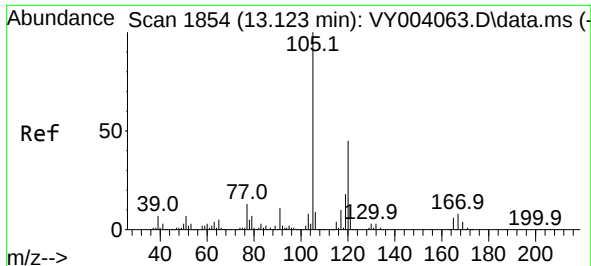
Tgt Ion:105 Resp: 514
Ion Ratio Lower Upper
105 100
120 62.8 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 113.89 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Tgt Ion: 75 Resp: 2605
Ion Ratio Lower Upper
75 100
53 0.0 73.5 110.3#
89 0.0 35.7 53.5#

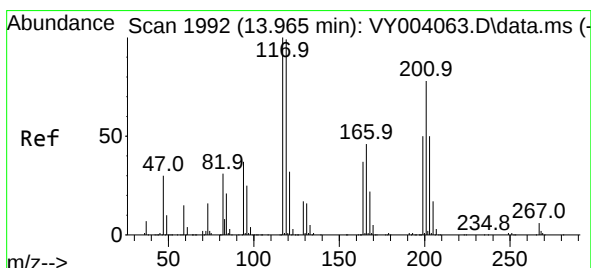
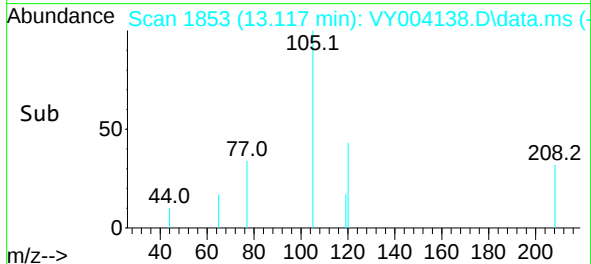
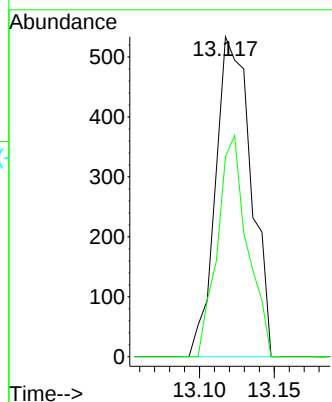
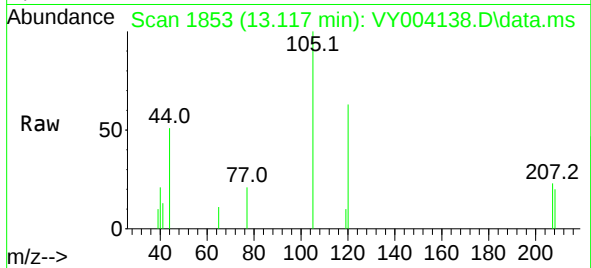




#84
1,2,4-Trimethylbenzene
Concen: 3.17 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-031821

Tgt Ion:105 Resp: 880
Ion Ratio Lower Upper
105 100
120 58.3 22.1 66.3



#90
Hexachloroethane
Concen: 1.13 ug/l
RT: 14.038 min Scan# 2004
Delta R.T. 0.073 min
Lab File: VY004138.D
Acq: 19 Mar 2021 15:35

Tgt Ion:117 Resp: 62
Ion Ratio Lower Upper
117 100
201 0.0 46.0 138.0#

