

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040821\
 Data File : VY004334.D
 Acq On : 08 Apr 2021 14:45
 Operator : SY/MD
 Sample : M1975-01
 Misc : 3.29G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 09 03:16:36 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)

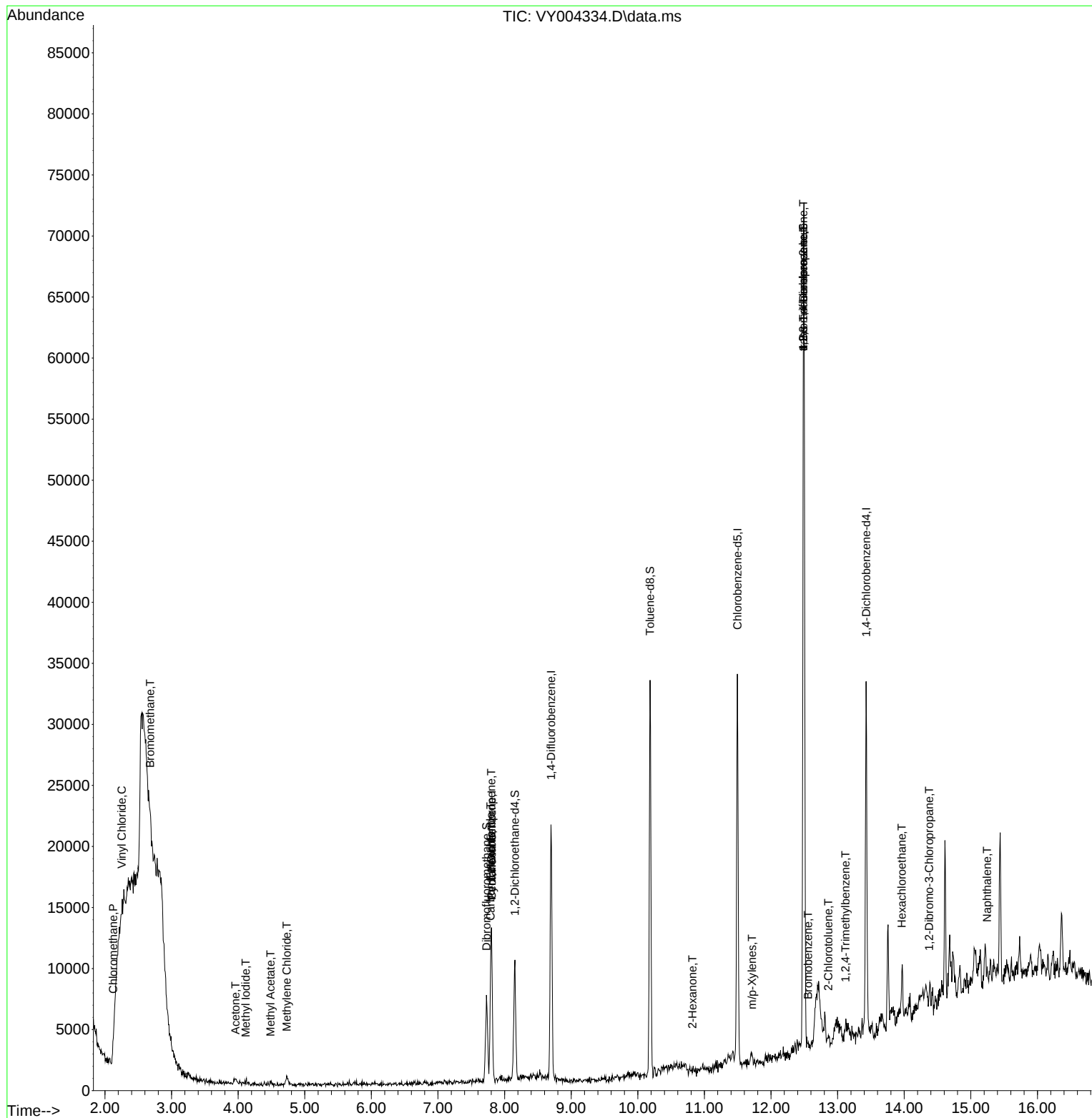
Internal Standards						
1) Pentafluorobenzene	7.807	168	9720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	16416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	15909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6395	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	7283	77.94	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	155.88%
35) Dibromofluoromethane	7.728	113	4523	49.45	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.90%
50) Toluene-d8	10.185	98	20035	58.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	116.48%
62) 4-Bromofluorobenzene	12.483	95	7089	60.12	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	120.24%
Target Compounds						Qvalue
3) Chloromethane	2.125	50	380	3.34	ug/l	92
4) Vinyl Chloride	2.253	62	1786	14.10	ug/l #	42
5) Bromomethane	2.680	94	207	2.97	ug/l #	70
10) Methyl Iodide	4.113	142	308	2.97	ug/l #	47
16) Acetone	3.960	43	759	38.99	ug/l #	82
18) Methyl Acetate	4.485	43	452	7.25	ug/l #	76
20) Methylene Chloride	4.728	84	408	1.85	ug/l #	68
31) Cyclohexane	7.807	56	291	1.76	ug/l #	73
36) 1,1-Dichloropropene	7.801	75	870	5.81	ug/l #	41
38) Carbon Tetrachloride	7.789	117	999	7.67	ug/l #	13
59) 2-Hexanone	10.819	43	341	5.85	ug/l #	25
68) m/p-Xylenes	11.715	106	296	1.34	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	4359	75.06	ug/l #	100
77) Bromobenzene	12.556	156	170	1.55	ug/l #	5
79) 2-Chlorotoluene	12.861	91	306	1.03	ug/l	70
81) trans-1,4-Dichloro-2-b...	12.483	75	4359	138.35	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	488	1.28	ug/l	85
90) Hexachloroethane	13.965	117	296	14.04	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.373	75	190	11.78	ug/l #	3
95) Naphthalene	15.245	128	786	2.85	ug/l #	77

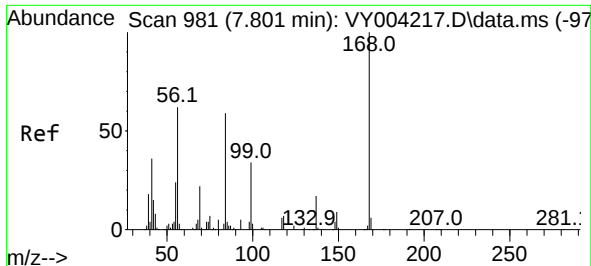
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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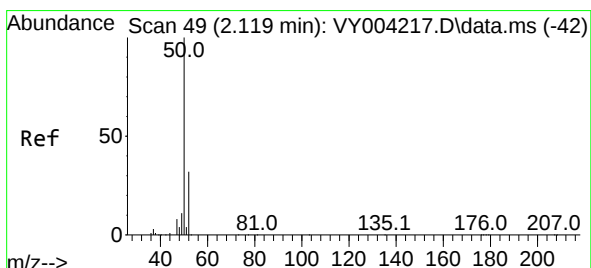
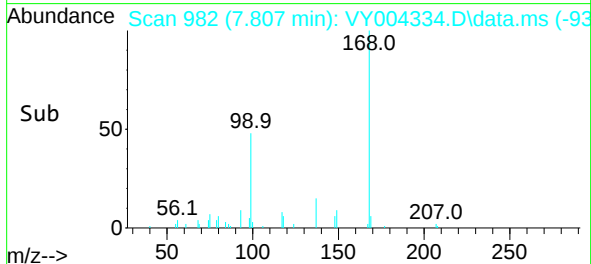
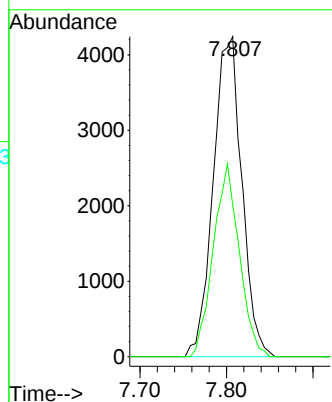
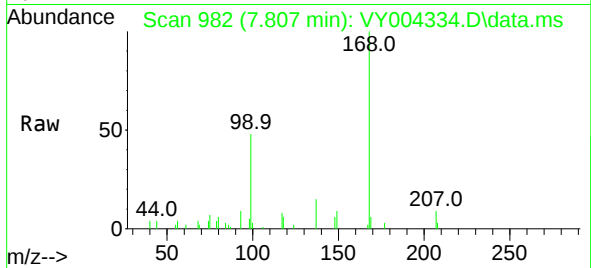




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

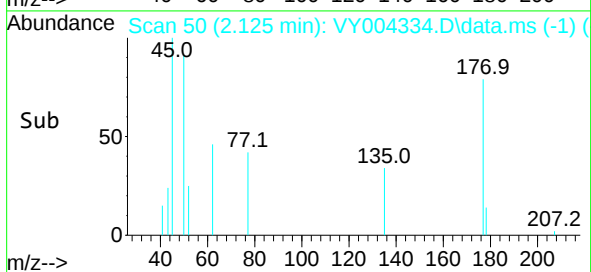
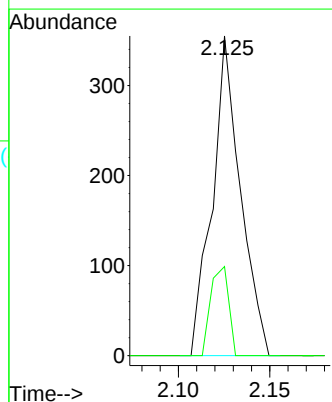
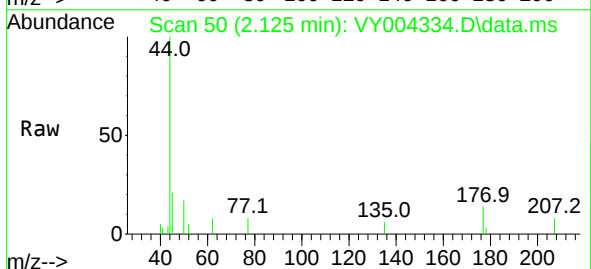
Instrument :
MSVOA_Y
ClientSampleId :

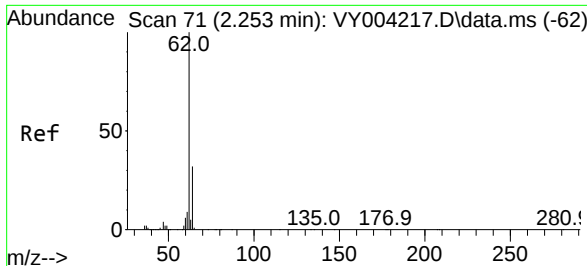
Tgt Ion:168 Resp: 9720
Ion Ratio Lower Upper
168 100
99 47.5 42.6 64.0



#3
Chloromethane
Concen: 3.34 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Tgt Ion: 50 Resp: 380
Ion Ratio Lower Upper
50 100
52 27.9 25.9 38.9

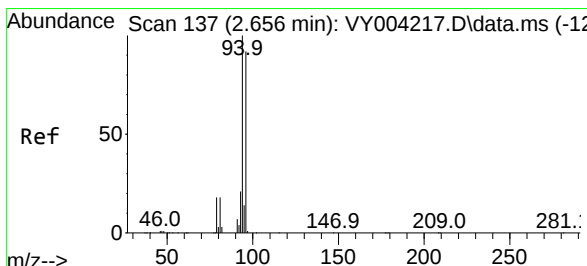
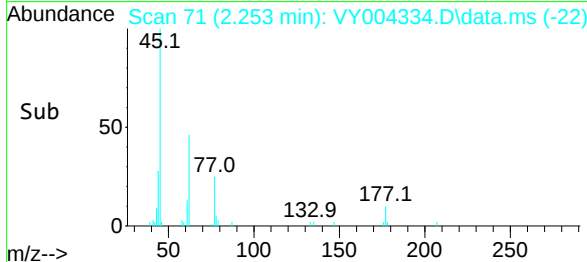
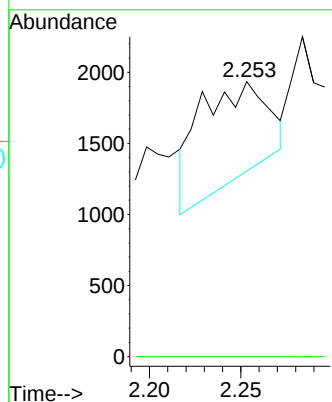
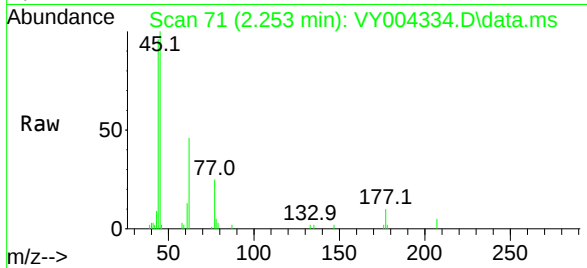




#4
 Vinyl Chloride
 Concen: 14.10 ug/l
 RT: 2.253 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VY004334.D
 Acq: 08 Apr 2021 14:45

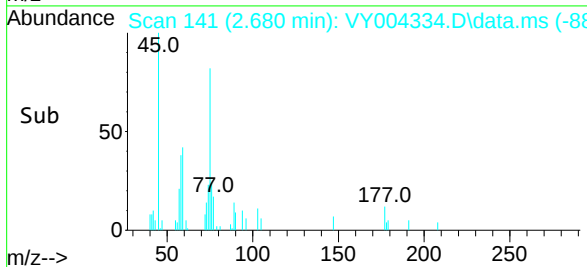
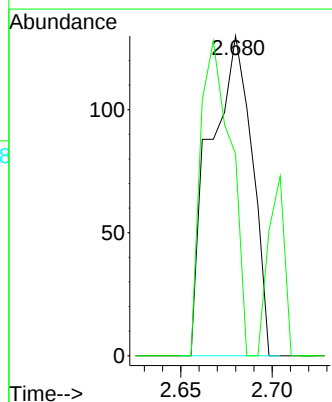
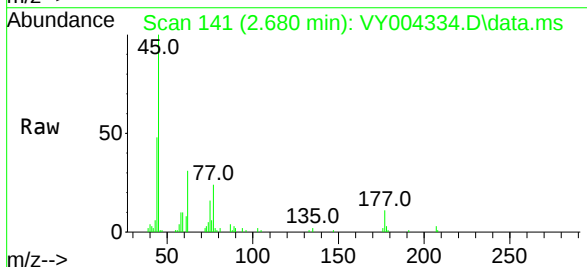
Instrument :
 MSVOA_Y
 ClientSampled :

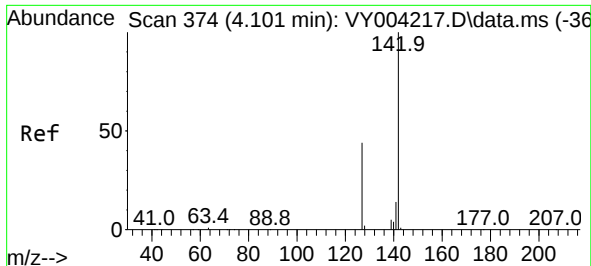
Tgt Ion: 62 Resp: 1786
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.0 39.0#



#5
 Bromomethane
 Concen: 2.97 ug/l
 RT: 2.680 min Scan# 141
 Delta R.T. 0.024 min
 Lab File: VY004334.D
 Acq: 08 Apr 2021 14:45

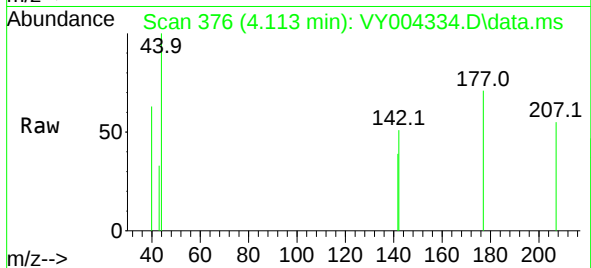
Tgt Ion: 94 Resp: 207
 Ion Ratio Lower Upper
 94 100
 96 63.1 73.8 110.6#



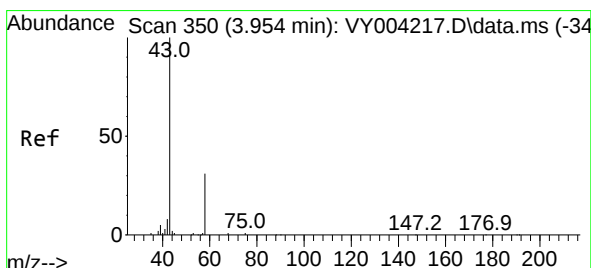
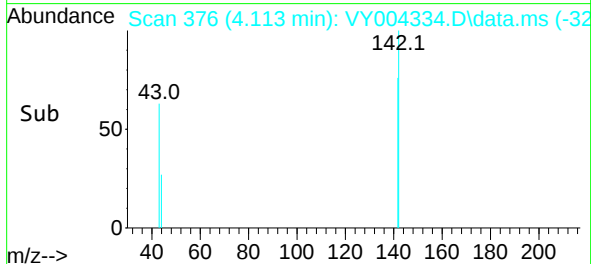
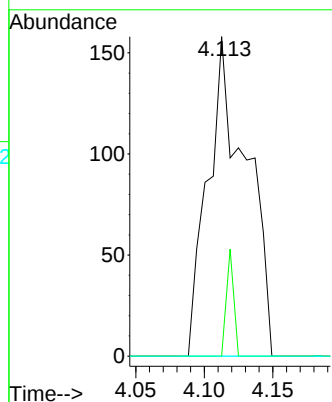


#10
Methyl Iodide
Concen: 2.97 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Instrument :
MSVOA_Y
ClientSampled :

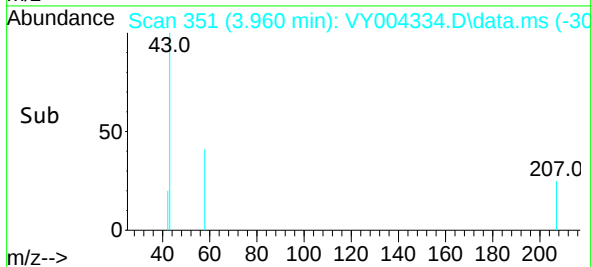
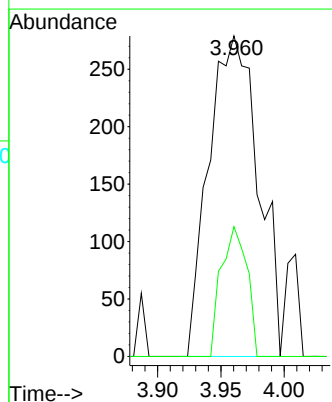
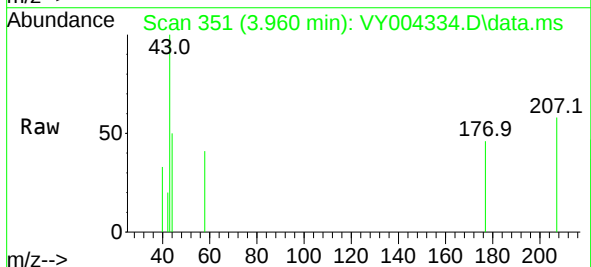


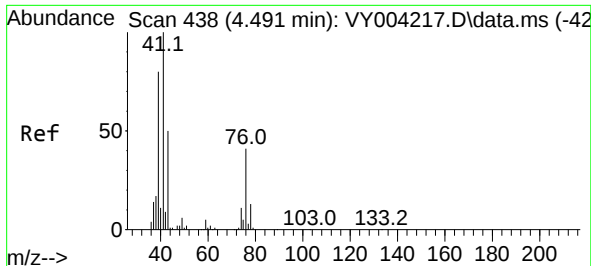
Tgt Ion:142 Resp: 308
Ion Ratio Lower Upper
142 100
127 6.2 36.0 54.0#
141 0.0 11.3 16.9#



#16
Acetone
Concen: 38.99 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
58 40.5 24.5 36.7#

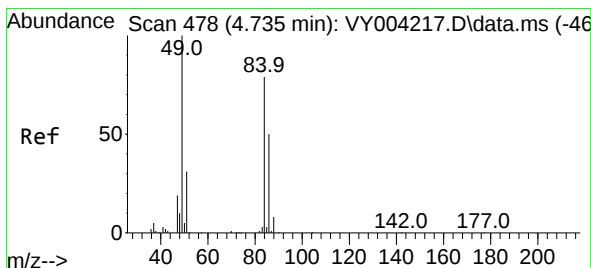
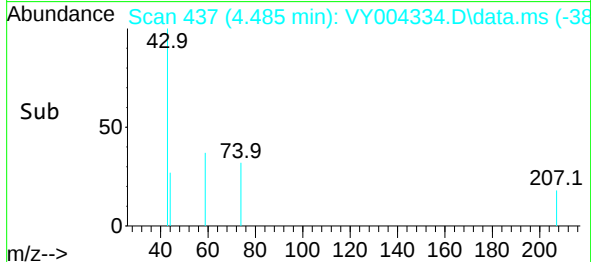
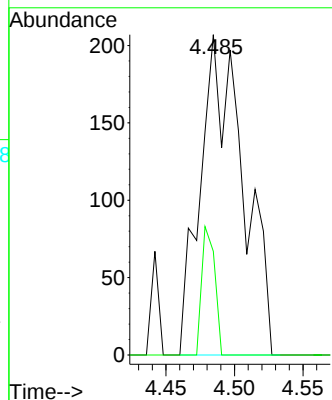
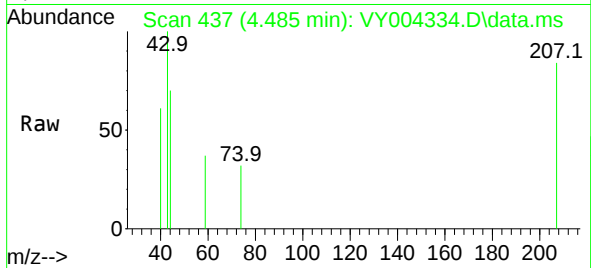




#18
Methyl Acetate
Concen: 7.25 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

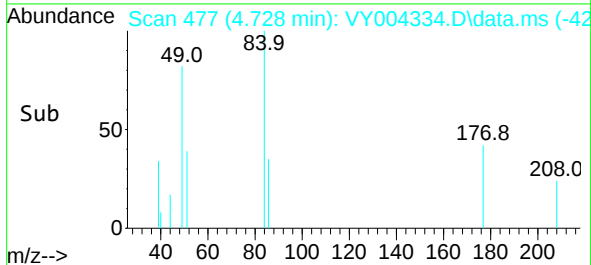
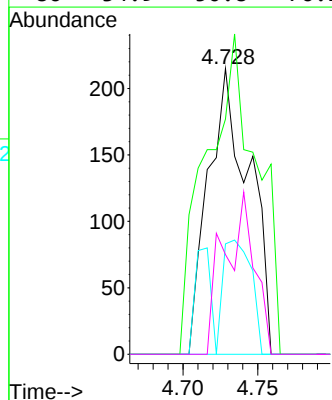
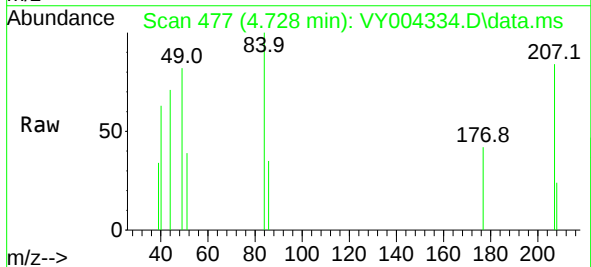
Instrument :
MSVOA_Y
ClientSampleId :

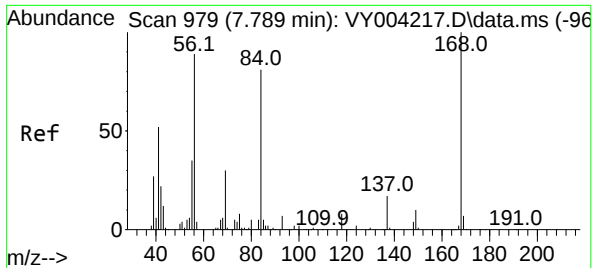
Tgt Ion: 43 Resp: 452
Ion Ratio Lower Upper
43 100
74 12.2 19.1 28.7#



#20
Methylene Chloride
Concen: 1.85 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.007 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Tgt Ion: 84 Resp: 408
Ion Ratio Lower Upper
84 100
49 82.3 101.5 152.3#
51 38.6 31.5 47.3
86 34.9 50.8 76.2#

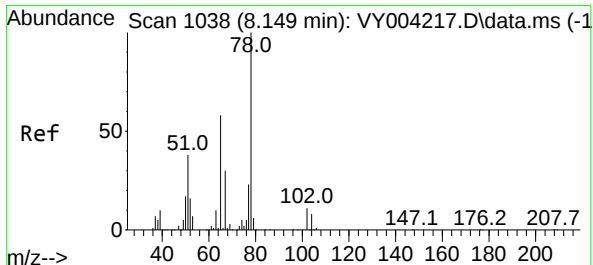
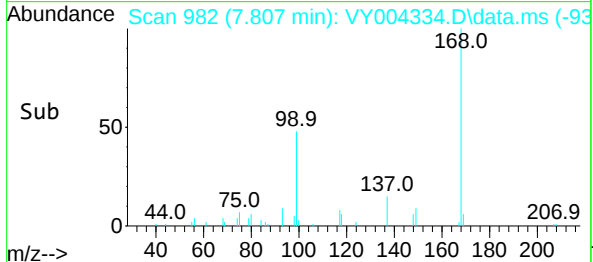
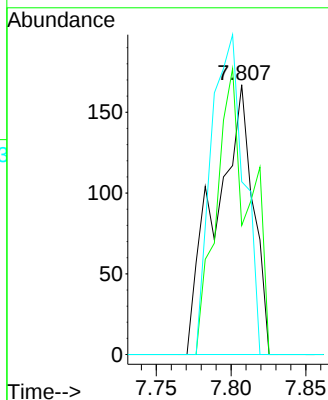
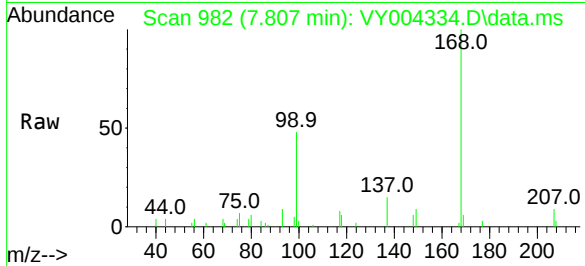




#31
Cyclohexane
Concen: 1.76 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.018 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

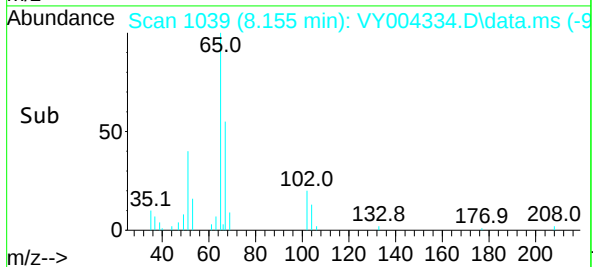
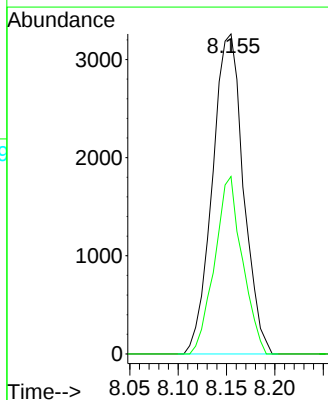
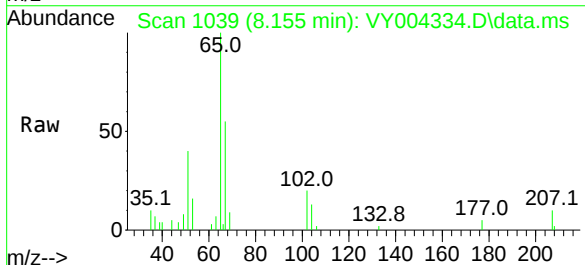
Instrument :
MSVOA_Y
ClientSampleId :

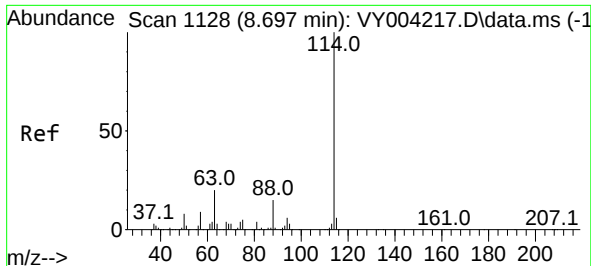
Tgt Ion: 56 Resp: 291
Ion Ratio Lower Upper
56 100
69 47.9 26.6 40.0#
84 64.1 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 77.94 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Tgt Ion: 65 Resp: 7283
Ion Ratio Lower Upper
65 100
67 49.3 0.0 103.2

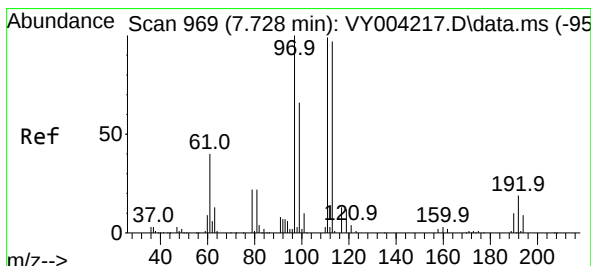
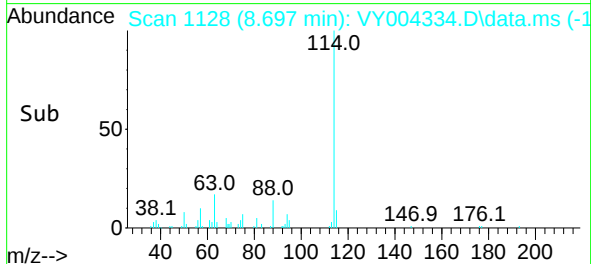
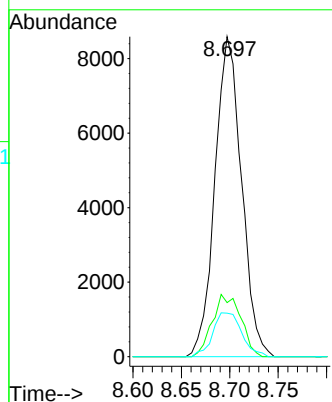
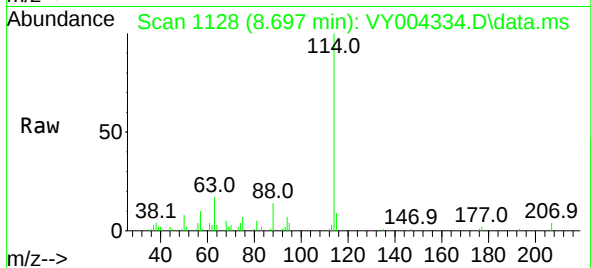




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

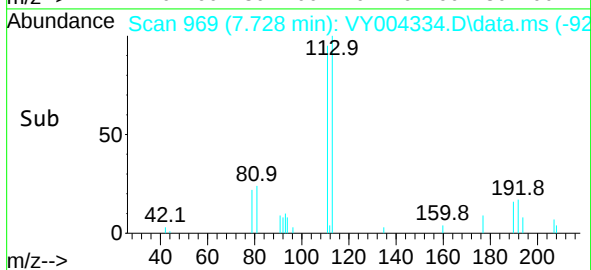
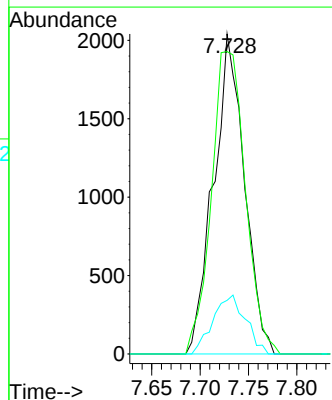
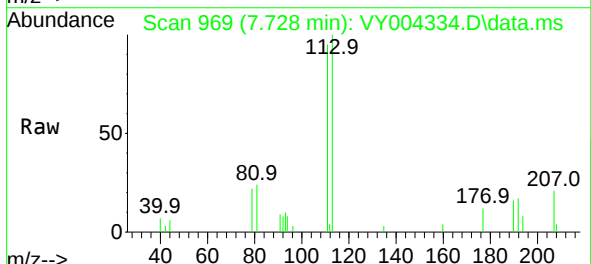
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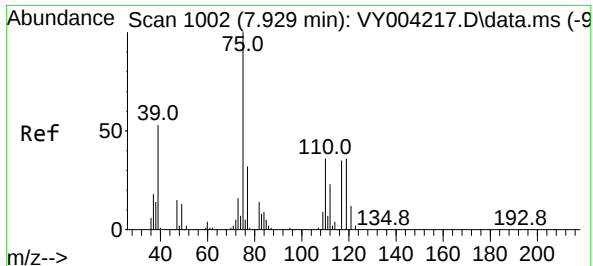
Tgt Ion:	114	Resp:	16416
Ion Ratio	Lower	Upper	
114	100		
63	16.9	0.0	40.4
88	13.6	0.0	30.8



#35
Dibromofluoromethane
Concen: 49.45 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Tgt Ion:	113	Resp:	4523
Ion Ratio	Lower	Upper	
113	100		
111	104.2	82.6	124.0
192	19.5	16.4	24.6





#36

1,1-Dichloropropene

Concen: 5.81 ug/l

RT: 7.801 min Scan# 981

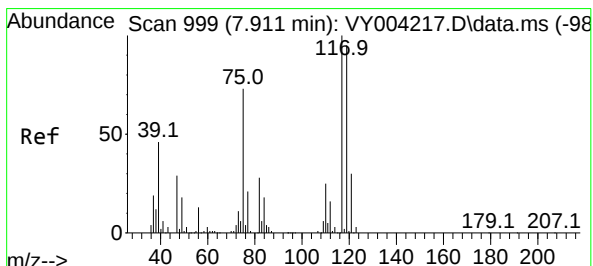
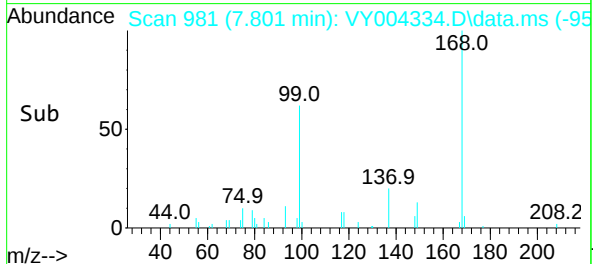
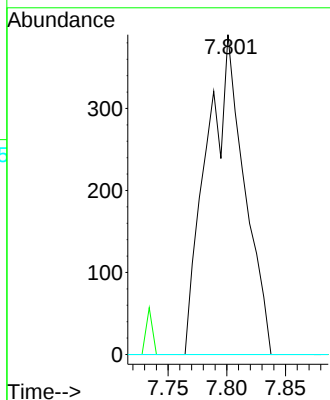
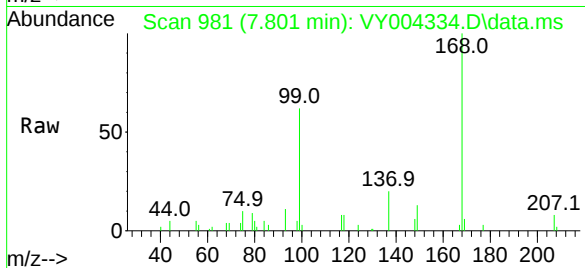
Delta R.T. -0.128 min

Lab File: VY004334.D

Acq: 08 Apr 2021 14:45

Tgt Ion:	75	Resp:	870
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.3#
77	0.0	25.1	37.7#

Instrument :
MSVOA_Y
ClientSampled :



#38

Carbon Tetrachloride

Concen: 7.67 ug/l

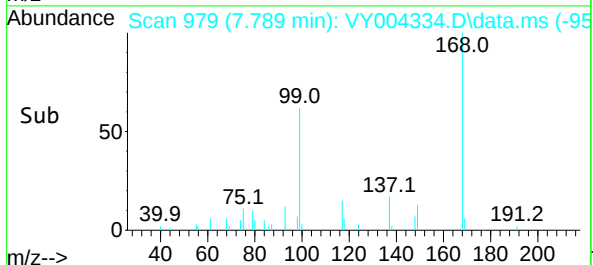
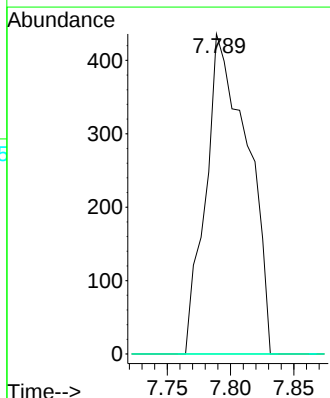
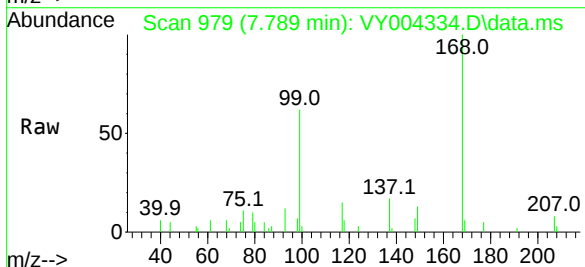
RT: 7.789 min Scan# 979

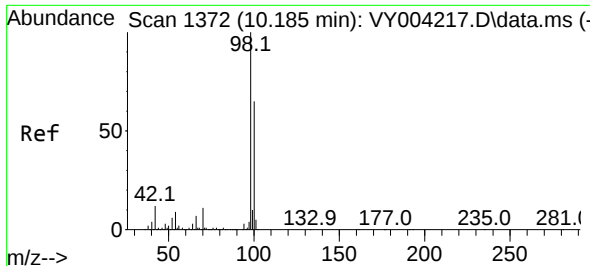
Delta R.T. -0.122 min

Lab File: VY004334.D

Acq: 08 Apr 2021 14:45

Tgt Ion:	117	Resp:	999
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.6	113.4#
121	0.0	24.3	36.5#

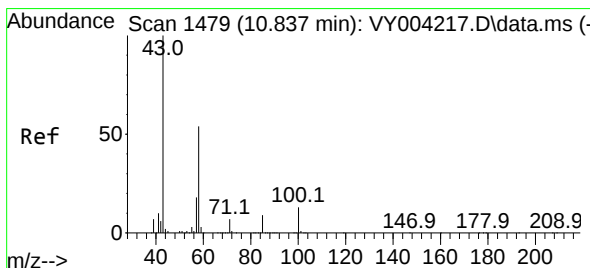
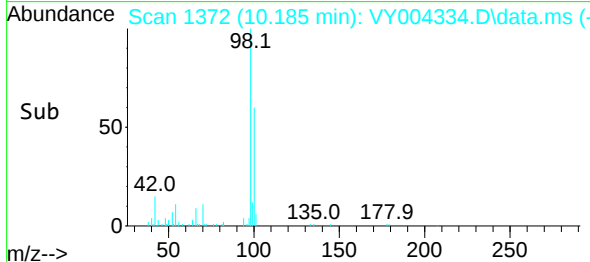
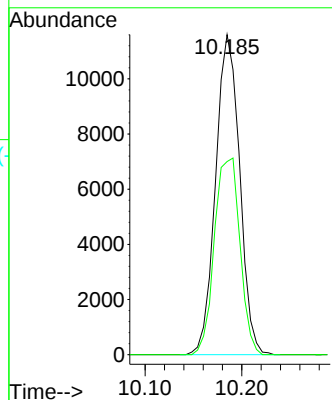
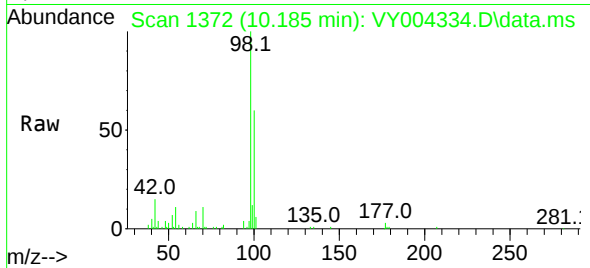




#50
Toluene-d8
Concen: 58.24 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

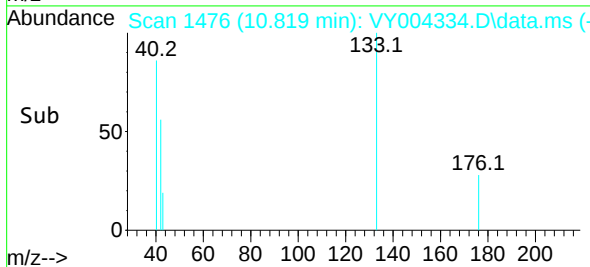
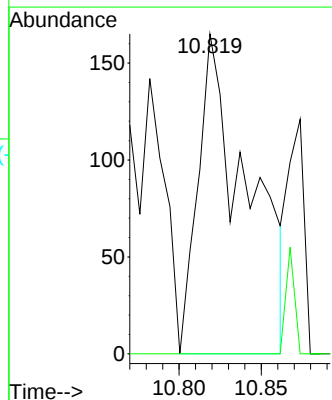
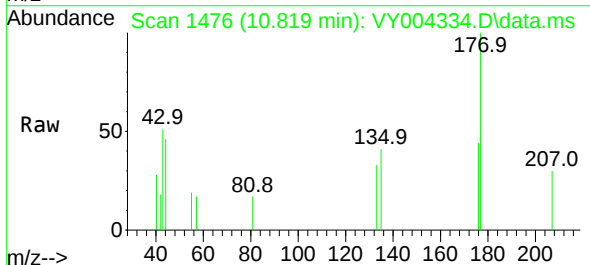
Instrument :
MSVOA_Y
ClientSampled :

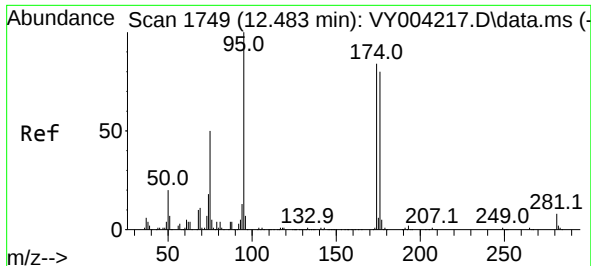
Tgt Ion: 98 Resp: 20035
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#59
2-Hexanone
Concen: 5.85 ug/l
RT: 10.819 min Scan# 1476
Delta R.T. -0.018 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Tgt Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
58 0.0 26.7 80.1#

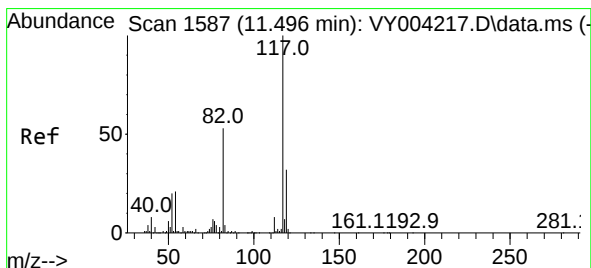
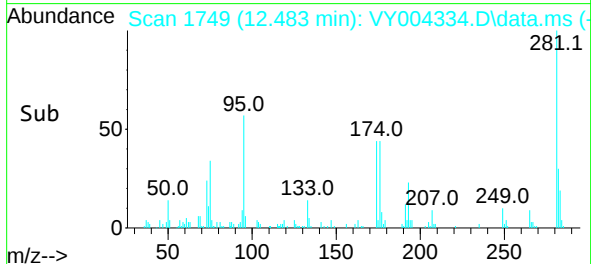
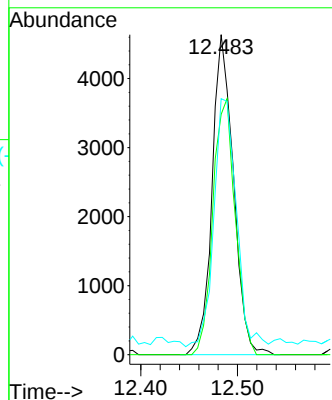
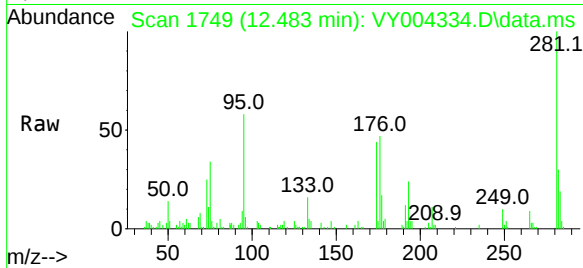




#62
4-Bromofluorobenzene
Concen: 60.12 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

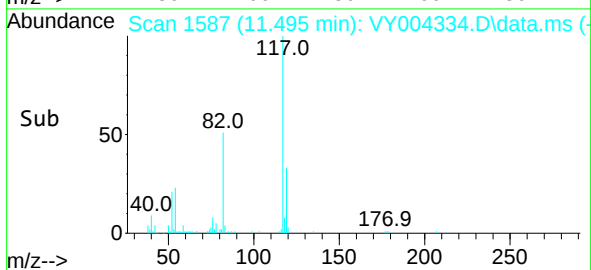
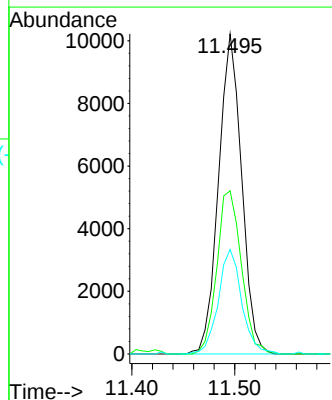
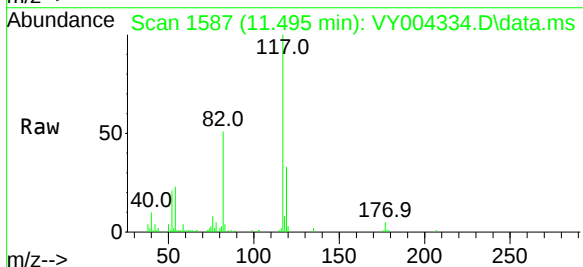
Instrument :
MSVOA_Y
ClientSampleId :

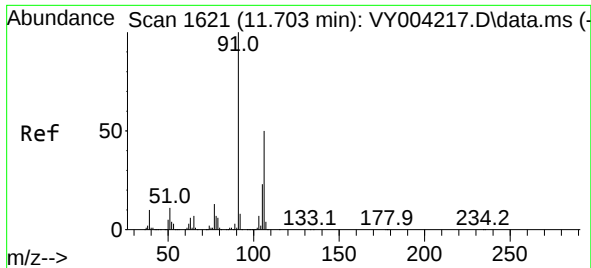
Tgt Ion:	95	Resp:	7089
Ion Ratio	Lower	Upper	
95	100		
174	83.6	0.0	171.4
176	81.5	0.0	165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Tgt Ion:	117	Resp:	15909
Ion Ratio	Lower	Upper	
117	100		
82	51.0	42.7	64.1
119	32.6	25.7	38.5

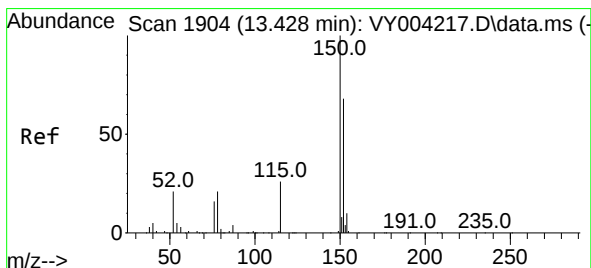
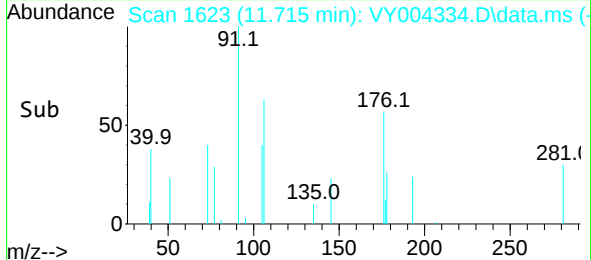
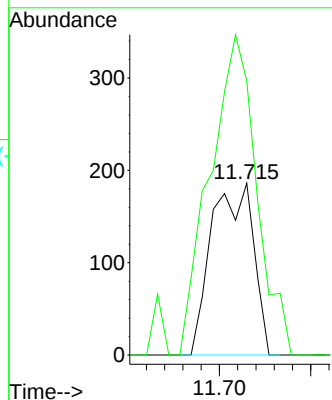
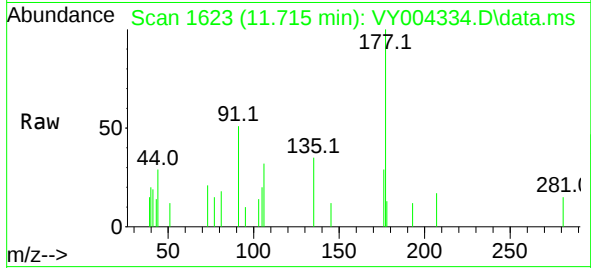




#68
m/p-Xylenes
Concen: 1.34 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.012 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

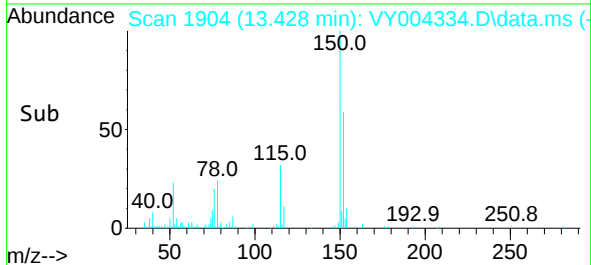
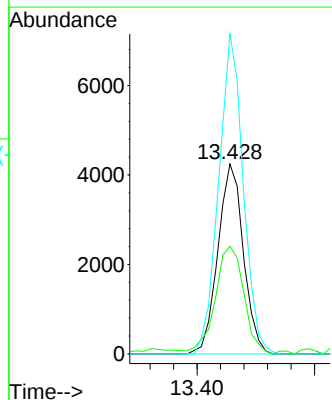
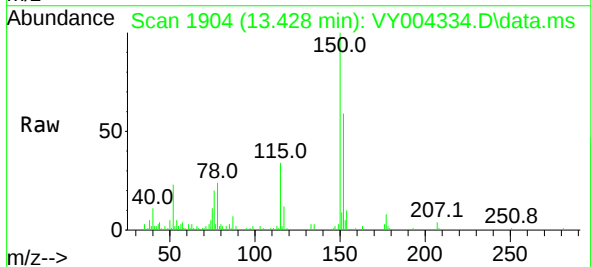
Instrument :
MSVOA_Y
ClientSampleId :

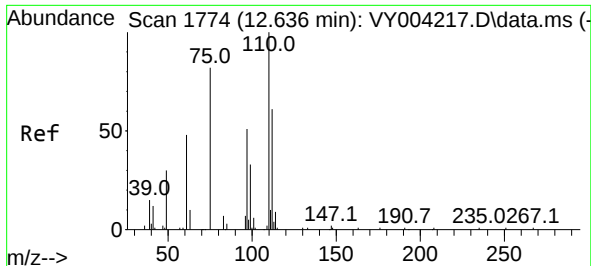
Tgt Ion:106 Resp: 296
Ion Ratio Lower Upper
106 100
91 208.4 159.8 239.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Tgt Ion:152 Resp: 6395
Ion Ratio Lower Upper
152 100
115 63.4 29.0 87.1
150 162.0 0.0 347.4

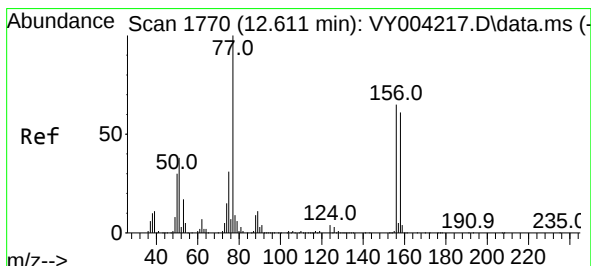
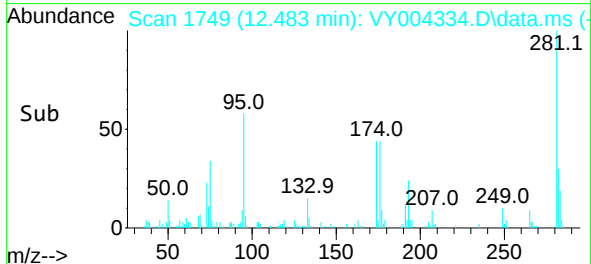
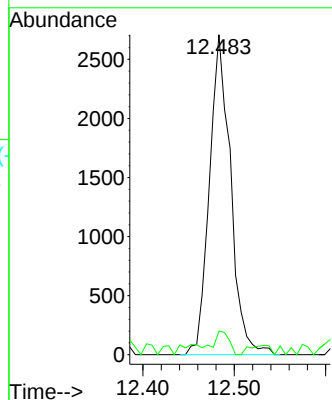
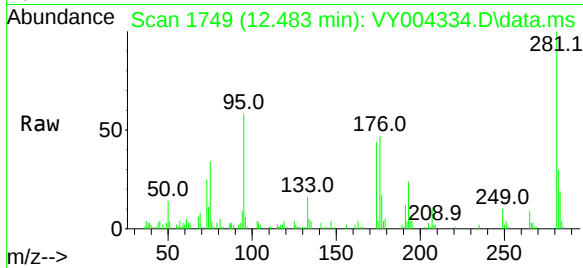




#76
1,2,3-Trichloropropane
Concen: 75.06 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

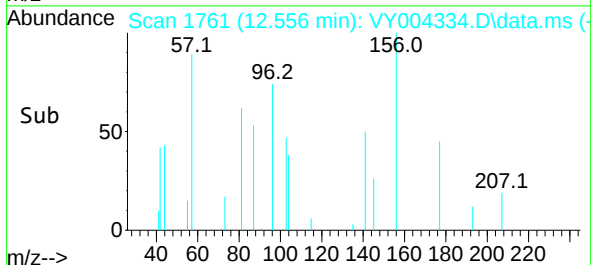
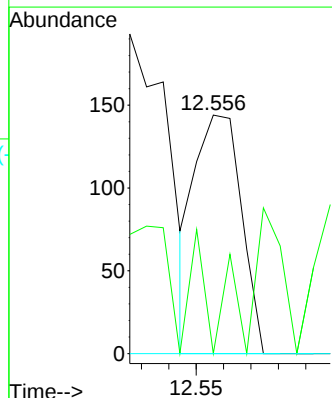
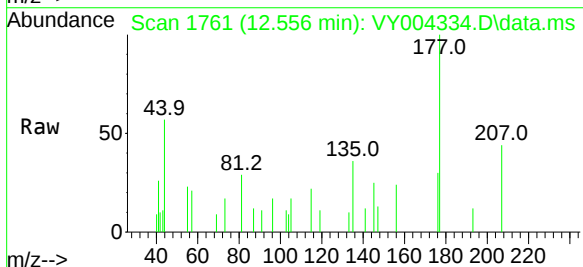
Instrument :
MSVOA_Y
ClientSampleId :

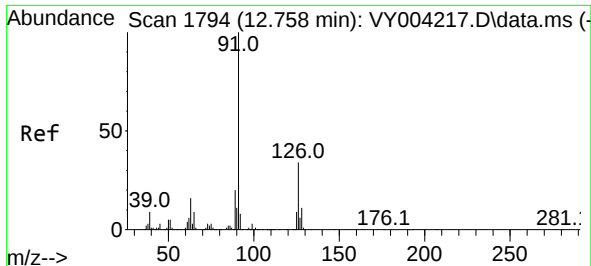
Tgt Ion: 75 Resp: 4359
Ion Ratio Lower Upper
75 100
77 5.4 0.0 0.0#



#77
Bromobenzene
Concen: 1.55 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.055 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Tgt Ion: 156 Resp: 170
Ion Ratio Lower Upper
156 100
77 45.9 88.6 265.9#
158 0.0 48.3 144.9#

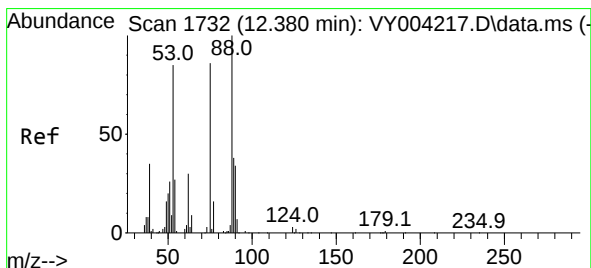
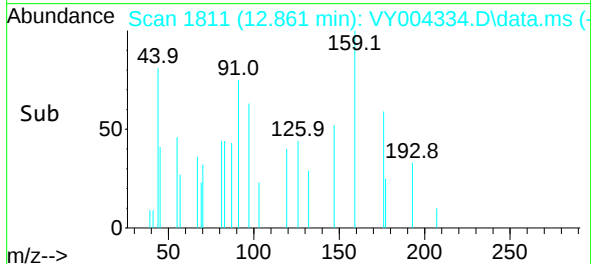
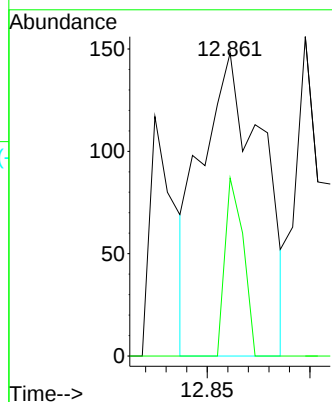
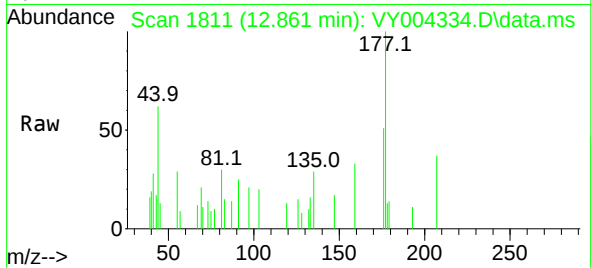




#79
2-Chlorotoluene
Concen: 1.03 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.103 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

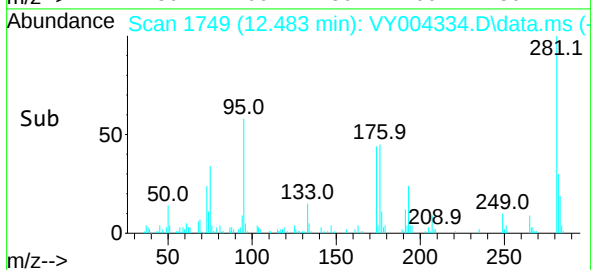
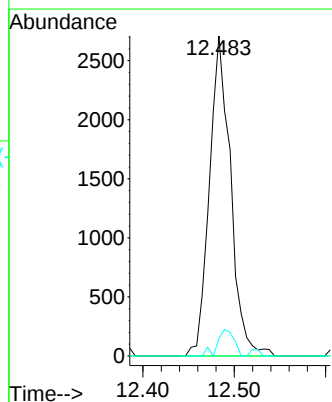
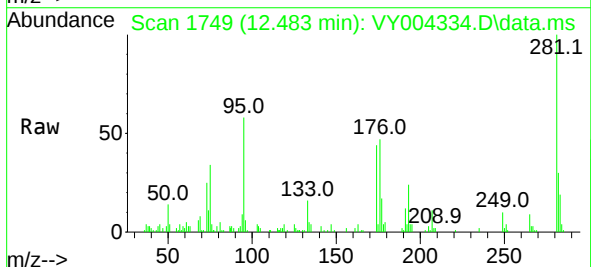
Instrument :
MSVOA_Y
ClientSampled :

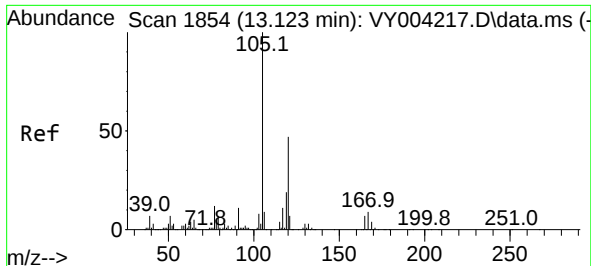
Tgt Ion: 91 Resp: 306
Ion Ratio Lower Upper
91 100
126 17.6 17.5 52.6



#81
trans-1,4-Dichloro-2-butene
Concen: 138.35 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Tgt Ion: 75 Resp: 4359
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 6.4 39.4 59.2#

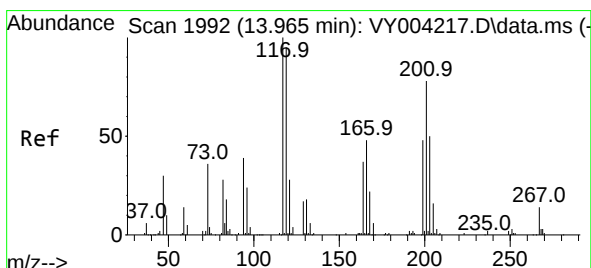
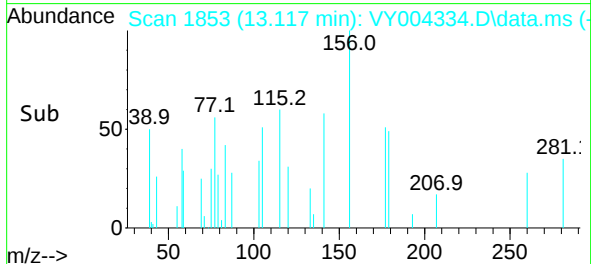
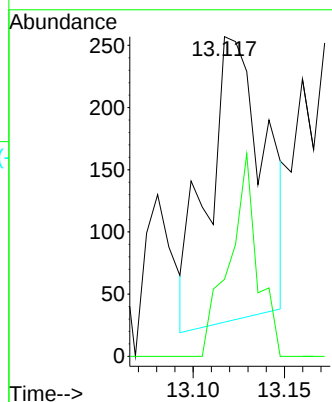
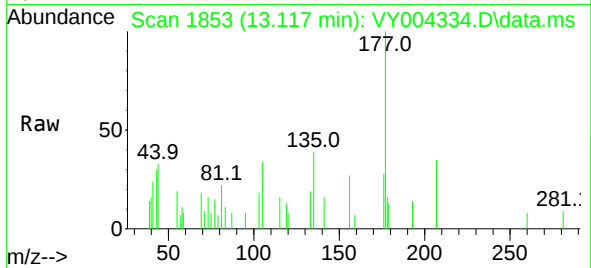




#84
1,2,4-Trimethylbenzene
Concen: 1.28 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

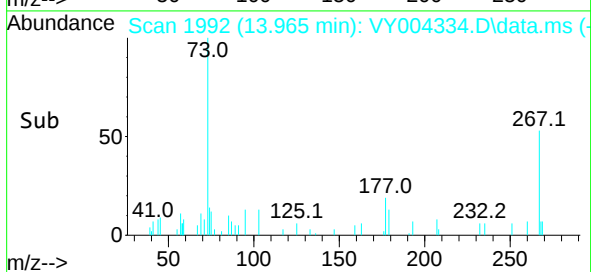
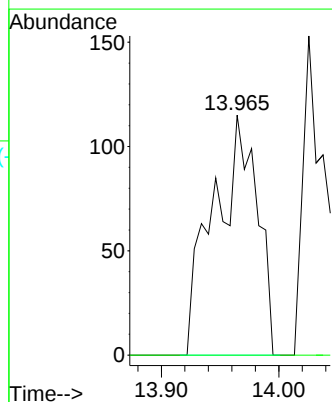
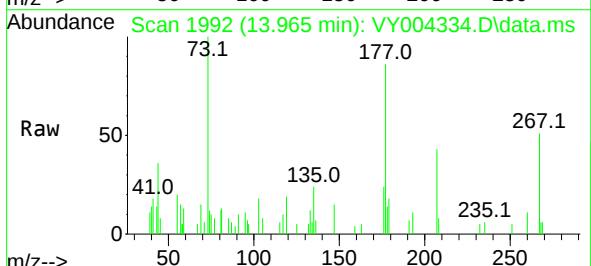
Instrument :
MSVOA_Y
ClientSampled :

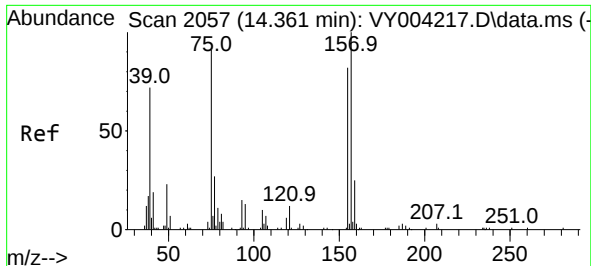
Tgt Ion:105 Resp: 488
Ion Ratio Lower Upper
105 100
120 35.7 22.9 68.7



#90
Hexachloroethane
Concen: 14.04 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. -0.000 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Tgt Ion:117 Resp: 296
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#

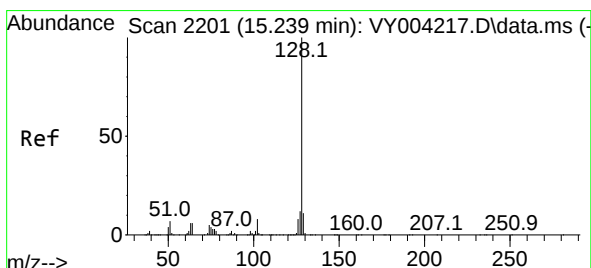
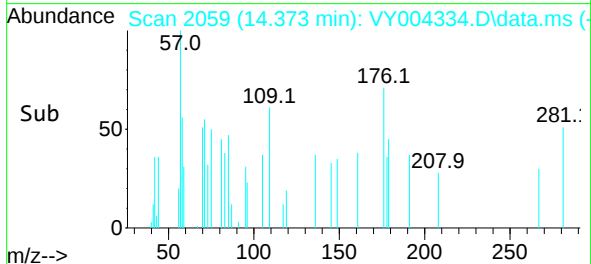
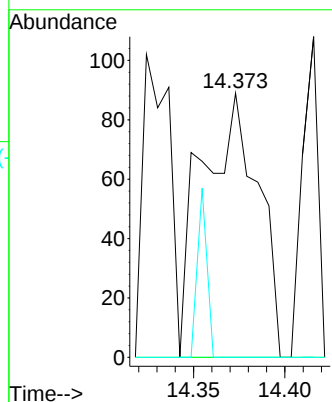
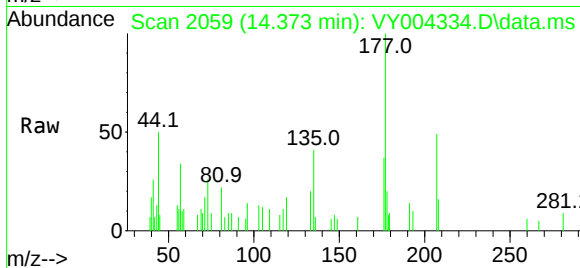




#92
1,2-Dibromo-3-Chloropropane
Concen: 11.78 ug/l
RT: 14.373 min Scan# 2059
Delta R.T. 0.012 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 190
Ion Ratio Lower Upper
75 100
155 0.0 46.3 138.8#
157 11.1 58.3 174.9#



#95
Naphthalene
Concen: 2.85 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY004334.D
Acq: 08 Apr 2021 14:45

Tgt Ion: 128 Resp: 786
Ion Ratio Lower Upper
128 100
127 5.9 10.1 15.1#
129 0.0 8.9 13.3#

