

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021121\
 Data File : VY004017.D
 Acq On : 11 Feb 2021 21:26
 Operator : SY/MD
 Sample : M1398-05
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 12 00:14:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 01 00:38:02 2021
 Response via : Initial Calibration

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

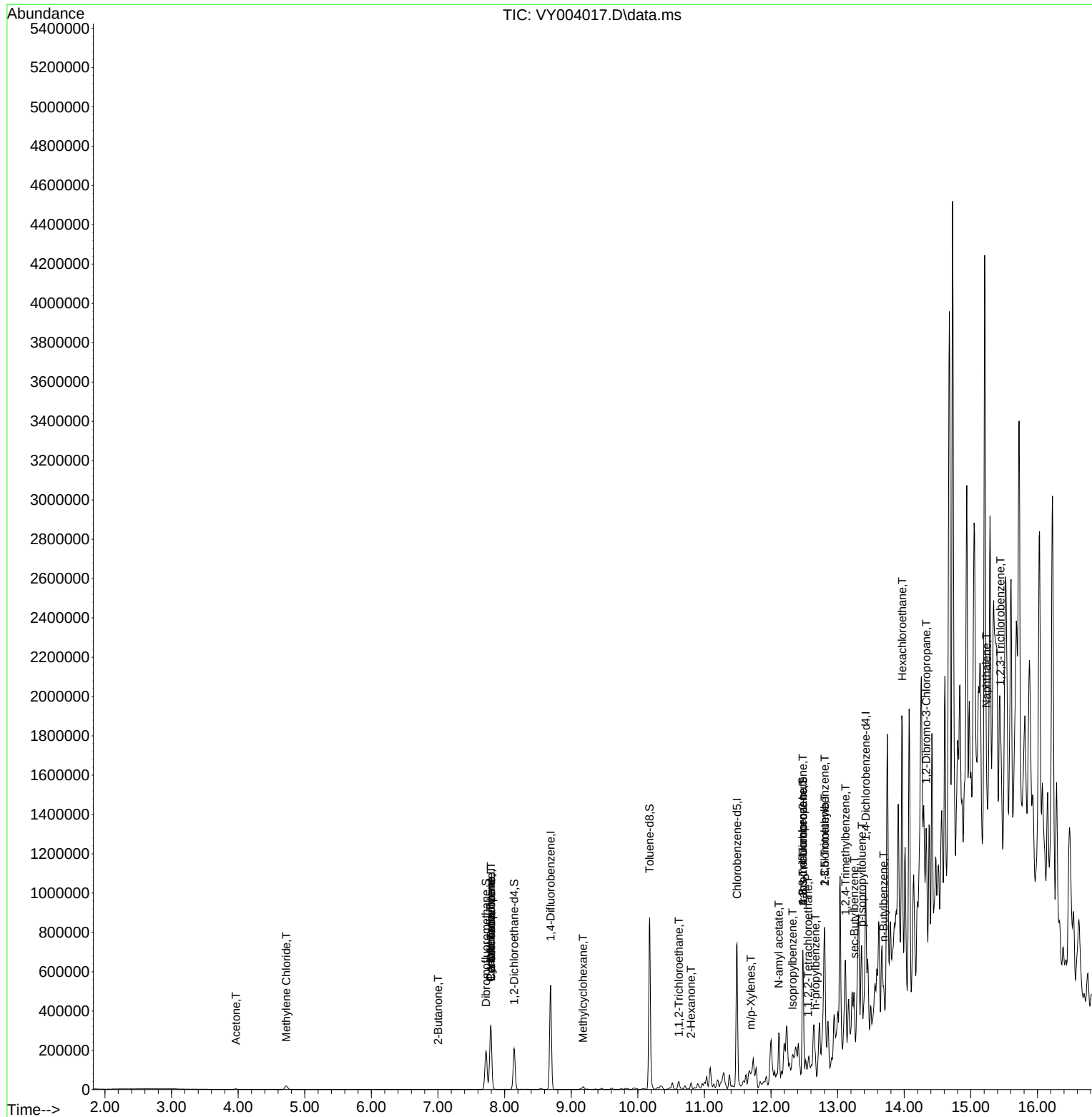
Internal Standards						
1) Pentafluorobenzene	7.795	168	265642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	439880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	400138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	185055	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	158075	54.12	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.24%			
35) Dibromofluoromethane	7.722	113	139587	54.27	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.54%			
50) Toluene-d8	10.179	98	530533	52.56	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.12%			
62) 4-Bromofluorobenzene	12.477	95	187653	51.00	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.00%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	331	Below Cal	#	77
16) Acetone	3.967	43	5713	7.97	ug/l	95
20) Methylene Chloride	4.722	84	13100	4.30	ug/l	97
25) 2-Butanone	7.003	43	1598	1.56	ug/l	99
31) Cyclohexane	7.789	56	5246	1.07	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	19096	4.29	ug/l #	49
38) Carbon Tetrachloride	7.795	117	24384	5.07	ug/l #	15
39) Methylcyclohexane	9.179	83	5668	1.07	ug/l	86
55) 1,1,2-Trichloroethane	10.618	97	14168	5.88	ug/l #	19
59) 2-Hexanone	10.801	43	13620	7.77	ug/l #	33
68) m/p-Xylenes	11.697	106	11252	2.00	ug/l	95
73) Isopropylbenzene	12.325	105	23743	1.79	ug/l	96
74) N-amyl acetate	12.117	43	55743	14.32	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.556	83	7034	2.93	ug/l #	87
76) 1,2,3-Trichloropropane	12.477	75	96374	51.69	ug/l #	100
78) n-propylbenzene	12.666	91	71708	4.55	ug/l	99
79) 2-Chlorotoluene	12.806	91	10228	1.13	ug/l	74
80) 1,3,5-Trimethylbenzene	12.806	105	71687	6.31	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.477	75	96374	98.80	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.117	105	223855	19.65	ug/l	97
85) sec-Butylbenzene	13.251	105	85121	6.50	ug/l	89
86) p-Isopropyltoluene	13.367	119	34056	2.79	ug/l	100
89) n-Butylbenzene	13.690	91	62129	5.48	ug/l #	78
90) Hexachloroethane	13.971	117	48528	21.70	ug/l #	4
92) 1,2-Dibromo-3-Chloropr...	14.331	75	1846	3.73	ug/l #	5
95) Naphthalene	15.233	128	80296	11.21	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.446	180	12264	3.73	ug/l #	1

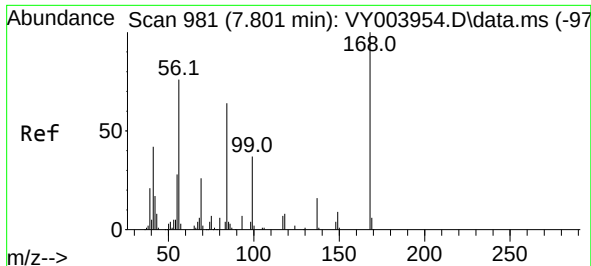
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021121\
Data File : VY004017.D
Acq On : 11 Feb 2021 21:26
Operator : SY/MD
Sample : M1398-05
Misc : 5.00g/5mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Feb 12 00:14:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 01 00:38:02 2021
Response via : Initial Calibration

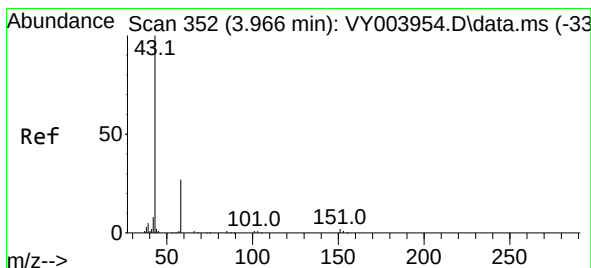
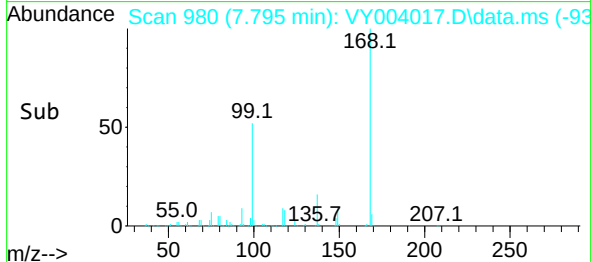
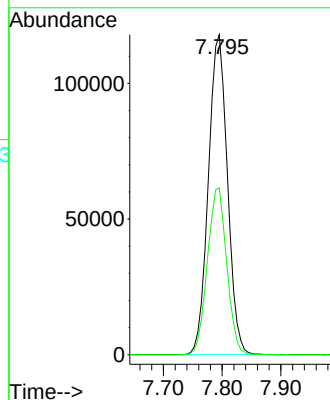
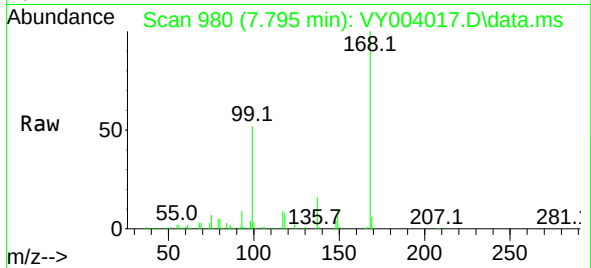




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

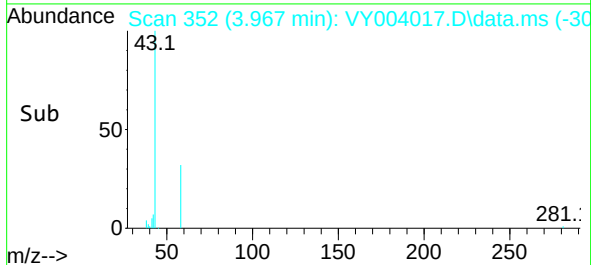
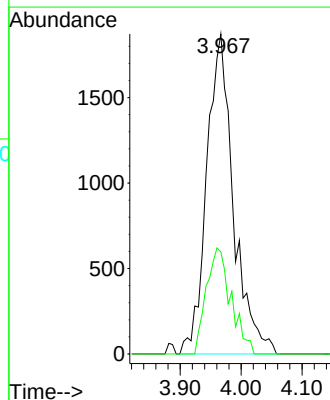
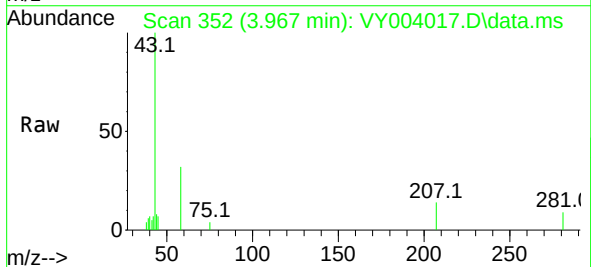
Instrument :
MSVOA_Y
ClientSampleId :

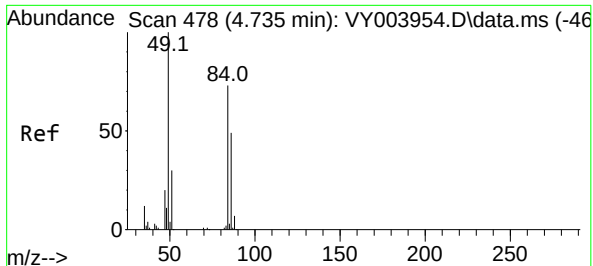
Tgt Ion:168 Resp: 265642
Ion Ratio Lower Upper
168 100
99 52.2 46.1 69.1



#16
Acetone
Concen: 7.97 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

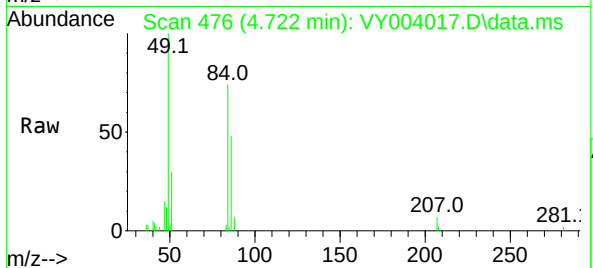
Tgt Ion: 43 Resp: 5713
Ion Ratio Lower Upper
43 100
58 31.8 23.4 35.0



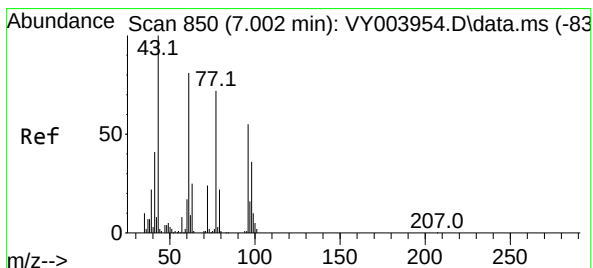
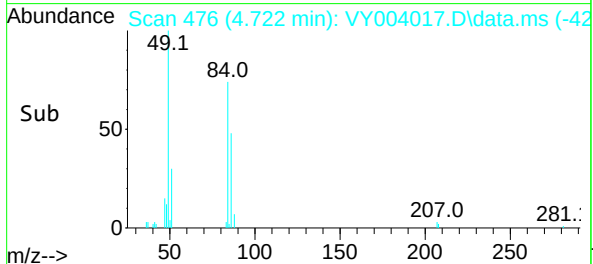
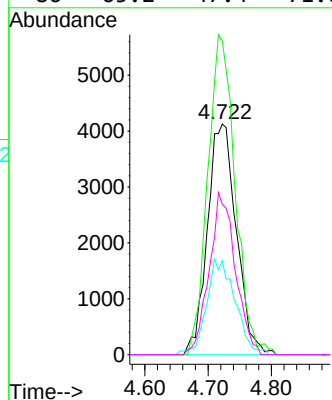


#20
Methylene Chloride
Concen: 4.30 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.012 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Instrument :
MSVOA_Y
ClientSampled :

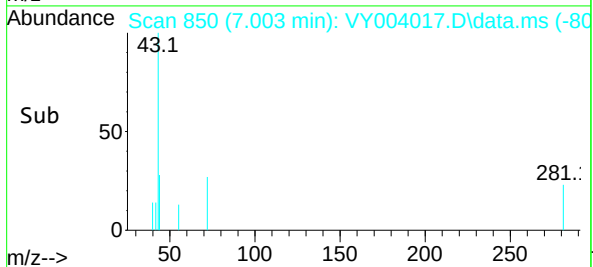
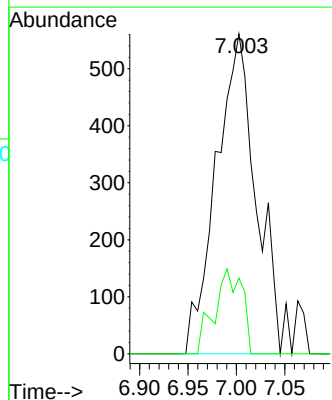
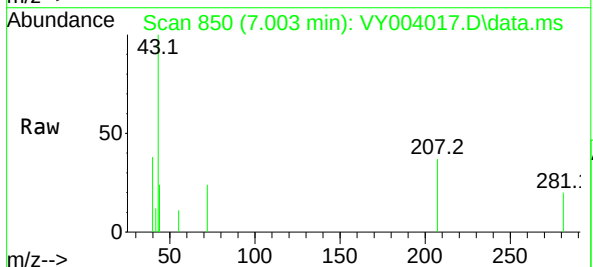


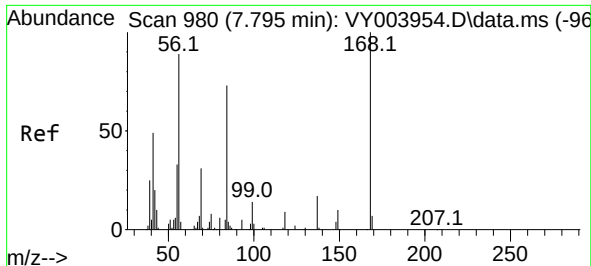
Tgt Ion:	84	Resp:	13100
Ion	Ratio	Lower	Upper
84	100		
49	135.9	107.0	160.4
51	40.7	31.9	47.9
86	65.2	47.4	71.0



#25
2-Butanone
Concen: 1.56 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion:	43	Resp:	1598
Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.5	27.7

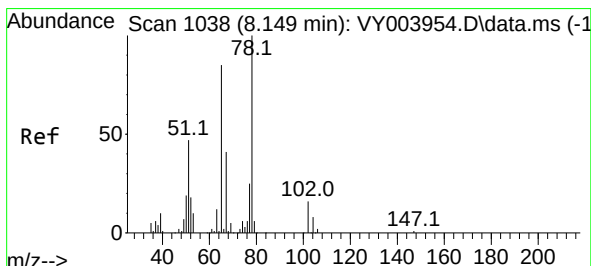
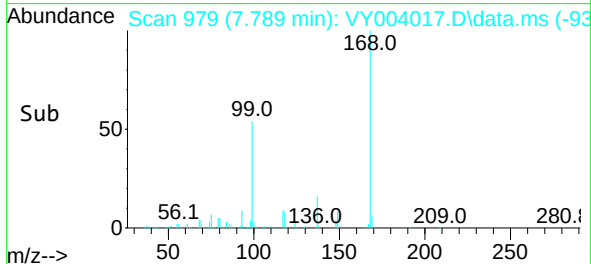
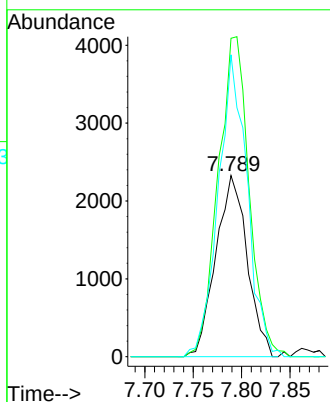
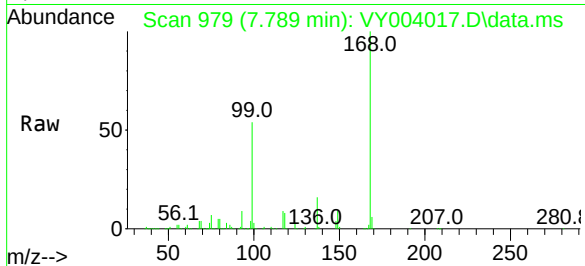




#31
Cyclohexane
Concen: 1.07 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

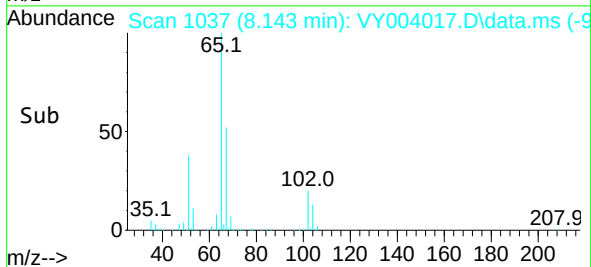
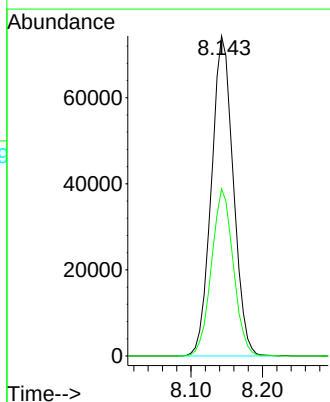
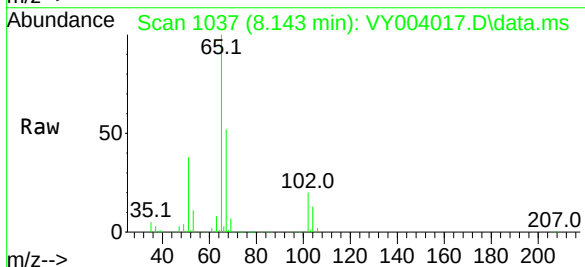
Instrument :
MSVOA_Y
ClientSampleId :

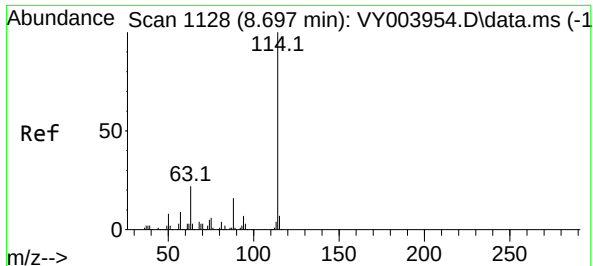
Tgt Ion: 56 Resp: 5246
Ion Ratio Lower Upper
56 100
69 175.8 25.0 37.4#
84 166.7 64.5 96.7#



#33
1,2-Dichloroethane-d4
Concen: 54.12 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion: 65 Resp: 158075
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.8

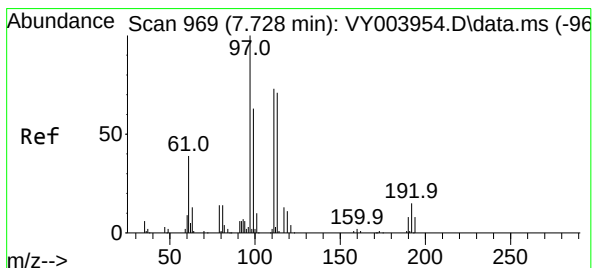
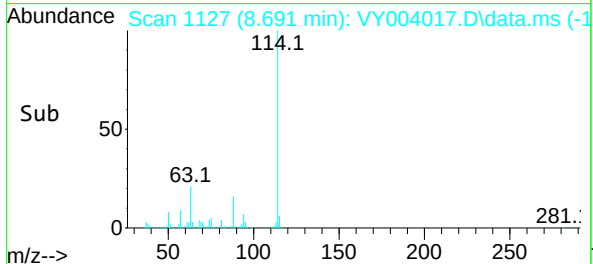
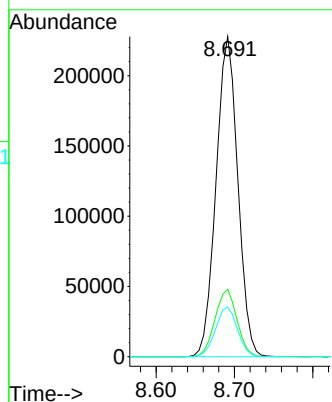
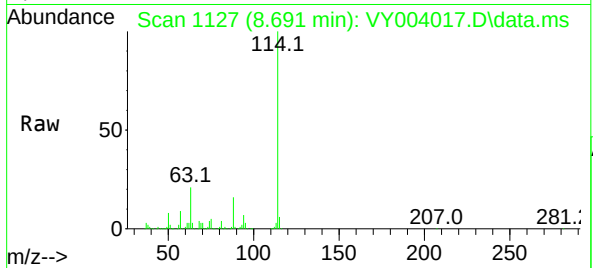




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

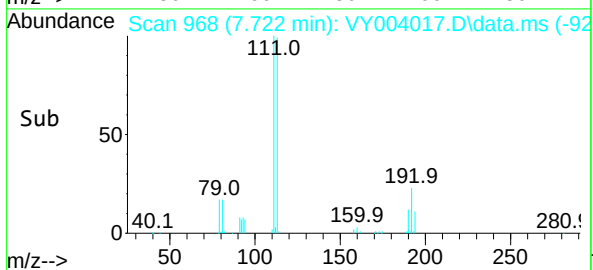
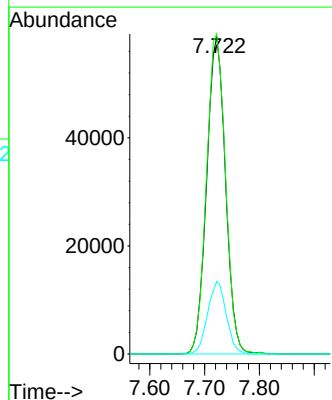
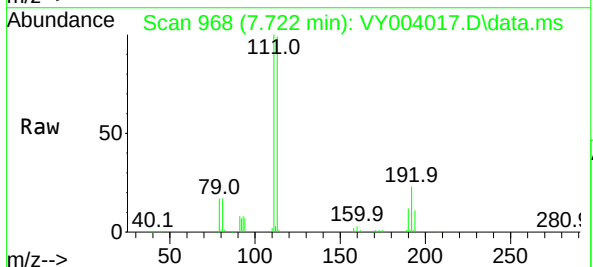
Instrument :
MSVOA_Y
ClientSampleId :

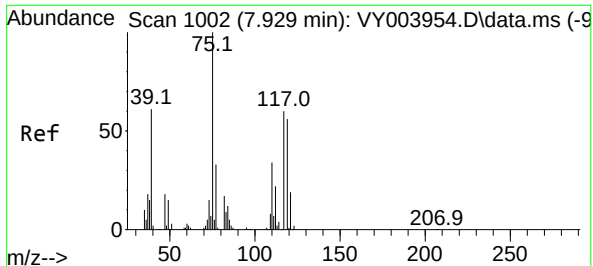
Tgt Ion:114 Resp: 439880
Ion Ratio Lower Upper
114 100
63 21.0 0.0 47.2
88 15.5 0.0 30.2



#35
Dibromofluoromethane
Concen: 54.27 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion:113 Resp: 139587
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.4
192 22.5 18.3 27.5

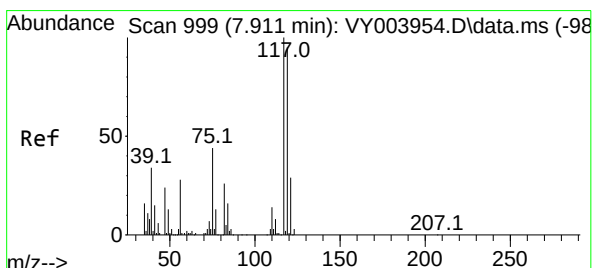
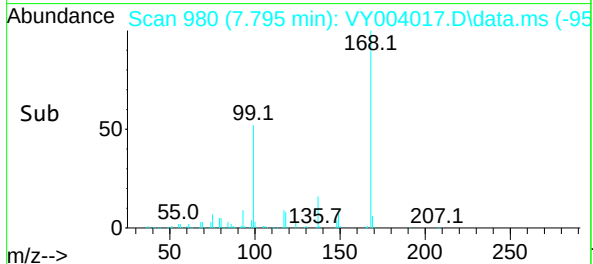
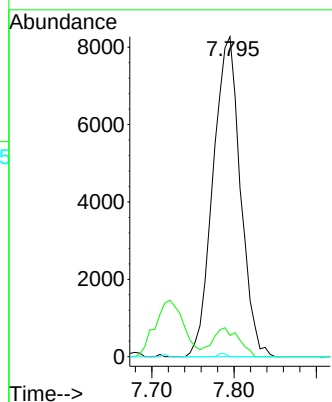
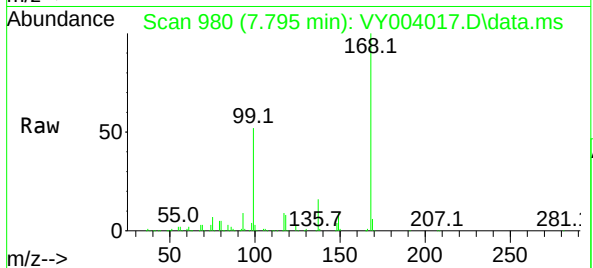




#36
1,1-Dichloropropene
Concen: 4.29 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

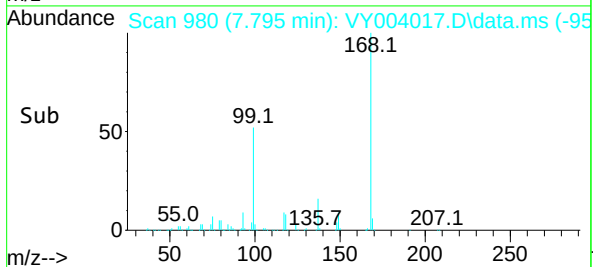
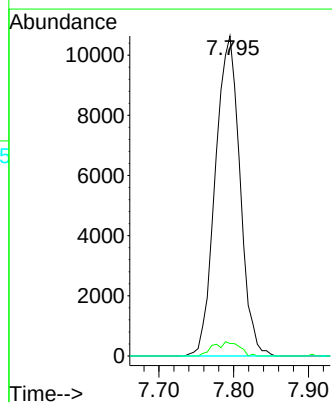
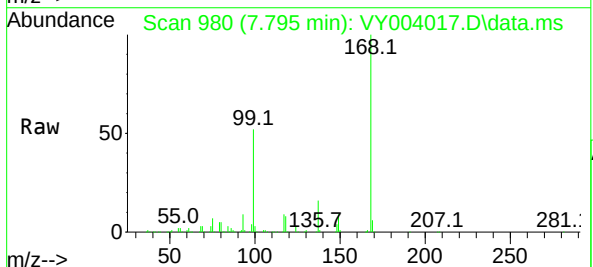
Instrument :
MSVOA_Y
ClientSampleId :

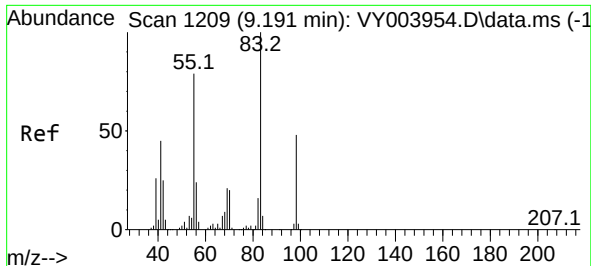
Tgt Ion: 75 Resp: 19096
Ion Ratio Lower Upper
75 100
110 8.7 17.9 53.8#
77 0.3 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.07 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion: 117 Resp: 24384
Ion Ratio Lower Upper
117 100
119 3.9 77.4 116.0#
121 0.0 26.1 39.1#





#39

Methylcyclohexane

Concen: 1.07 ug/l

RT: 9.179 min Scan# 1207

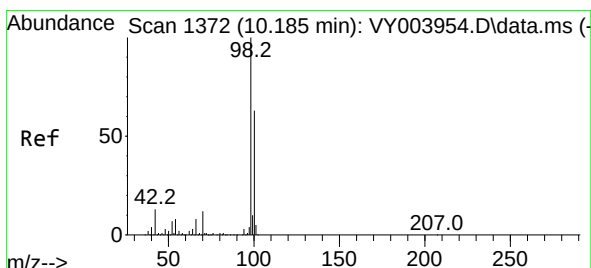
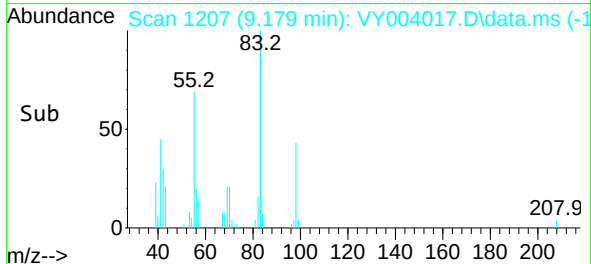
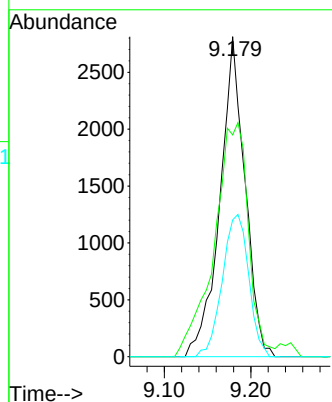
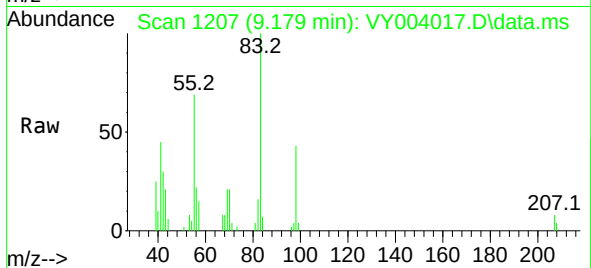
Delta R.T. -0.012 min

Lab File: VY004017.D

Acq: 11 Feb 2021 21:26

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 83	Resp: 5668
Ion Ratio	Lower Upper
83 100	
55 66.5	65.8 98.6
98 42.8	38.3 57.5



#50

Toluene-d8

Concen: 52.56 ug/l

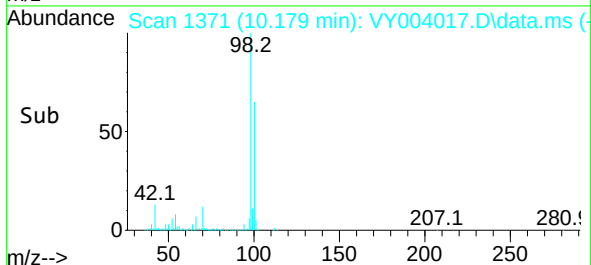
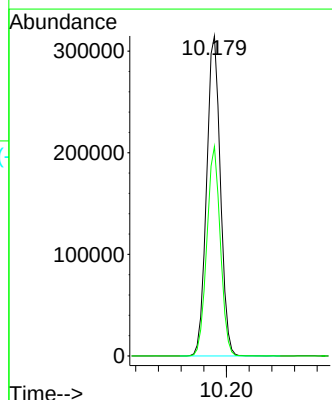
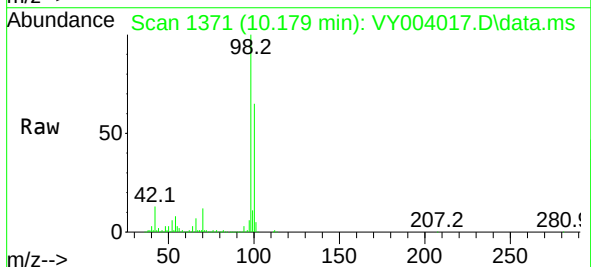
RT: 10.179 min Scan# 1371

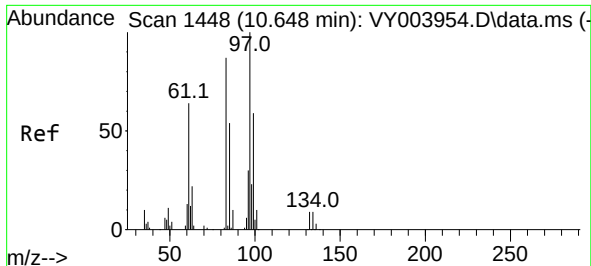
Delta R.T. -0.006 min

Lab File: VY004017.D

Acq: 11 Feb 2021 21:26

Tgt Ion: 98	Resp: 530533
Ion Ratio	Lower Upper
98 100	
100 64.3	50.5 75.7

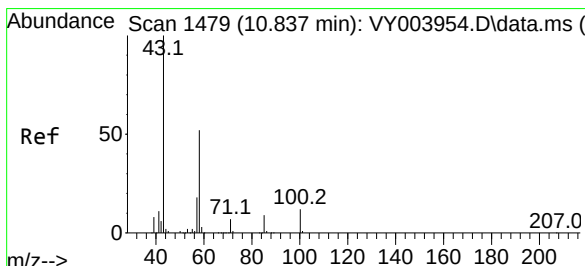
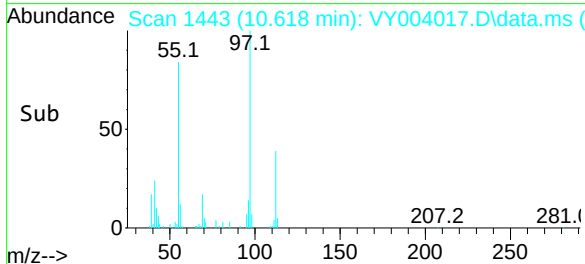
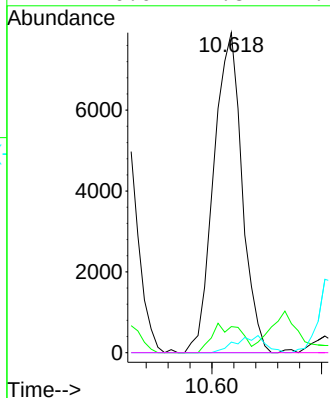
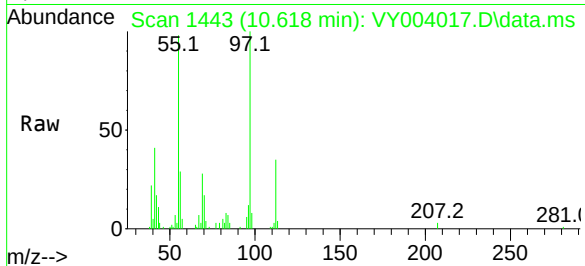




#55
1,1,2-Trichloroethane
Concen: 5.88 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

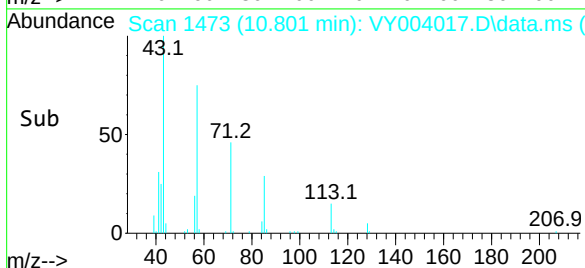
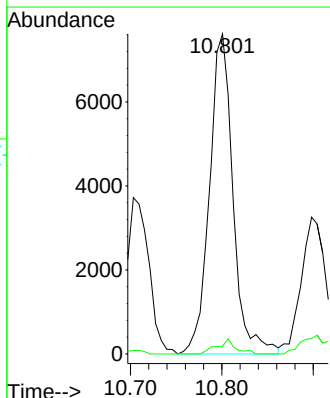
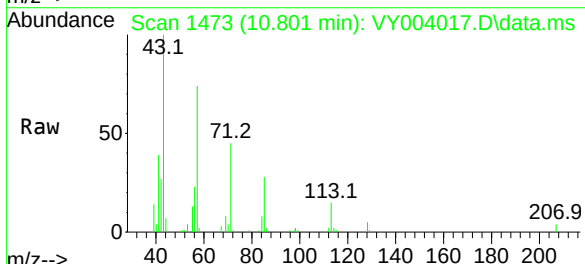
Instrument :
MSVOA_Y
ClientSampleId :

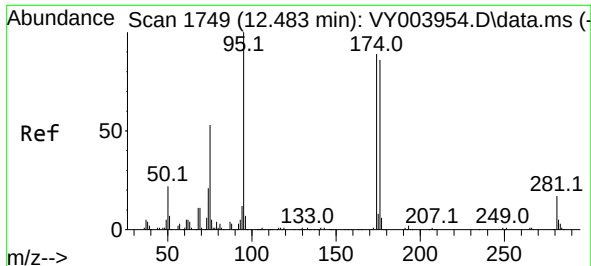
Tgt Ion: 97 Resp: 14168
Ion Ratio Lower Upper
97 100
83 8.1 70.6 106.0#
85 3.3 45.8 68.8#
99 0.0 49.8 74.6#



#59
2-Hexanone
Concen: 7.77 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.036 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion: 43 Resp: 13620
Ion Ratio Lower Upper
43 100
58 3.6 24.8 74.4#

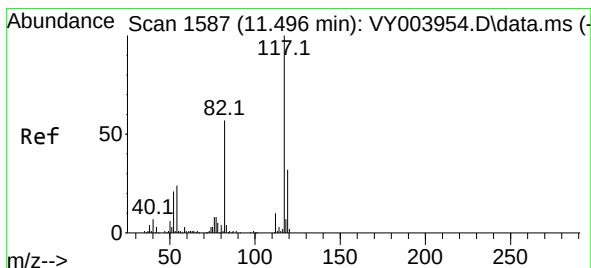
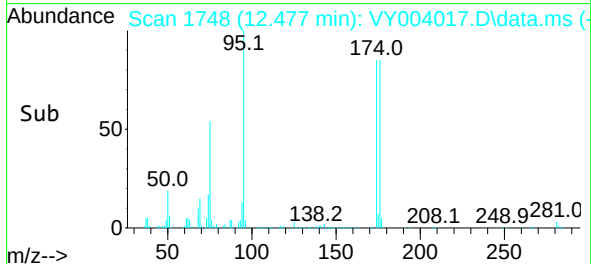
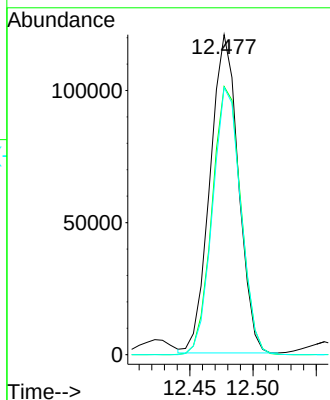
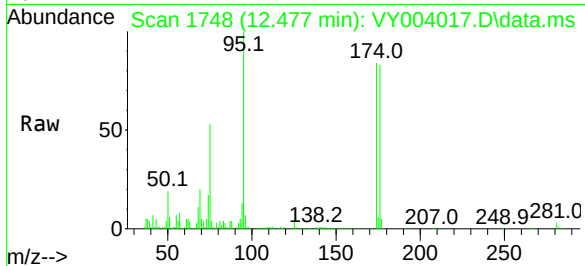




#62
4-Bromofluorobenzene
Concen: 51.00 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

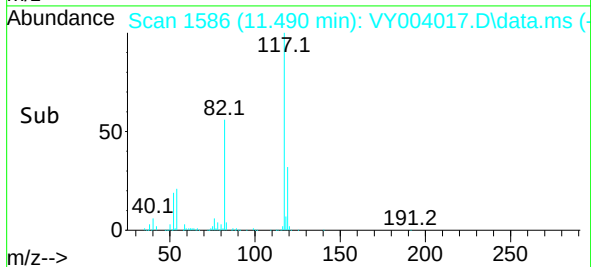
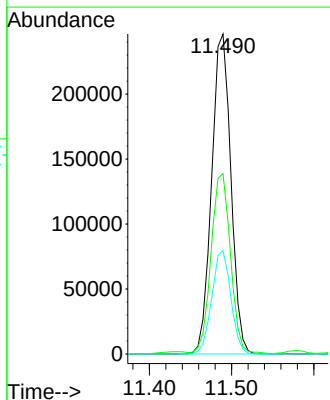
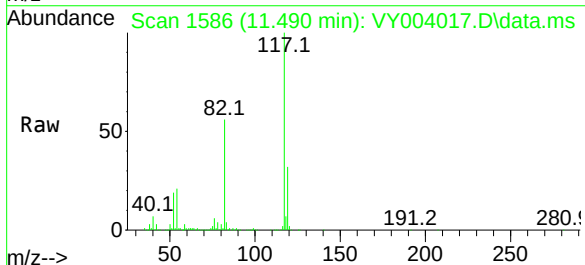
Instrument :
MSVOA_Y
ClientSampleId :

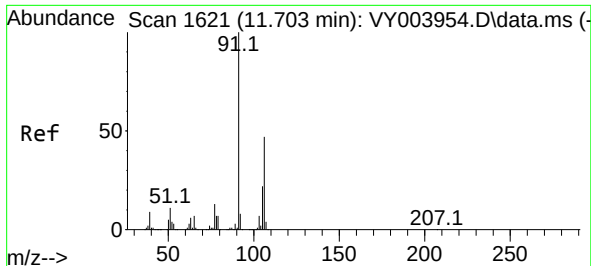
Tgt Ion: 95 Resp: 187653
Ion Ratio Lower Upper
95 100
174 85.5 0.0 184.4
176 83.6 0.0 177.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion: 117 Resp: 400138
Ion Ratio Lower Upper
117 100
82 56.0 44.3 66.5
119 32.3 25.0 37.6

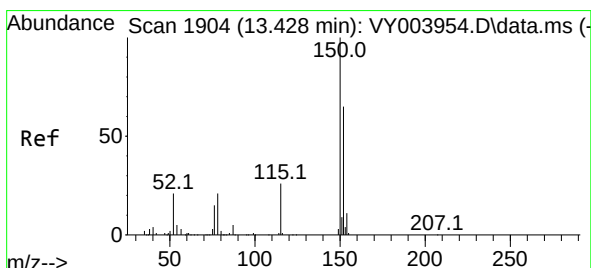
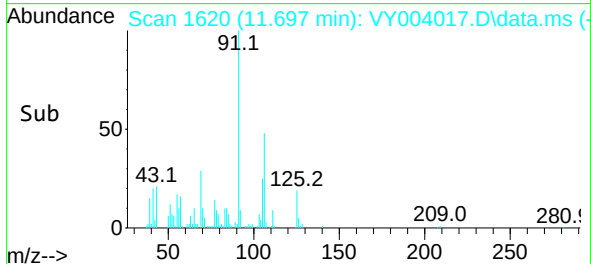
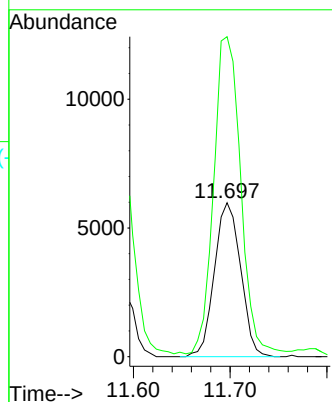
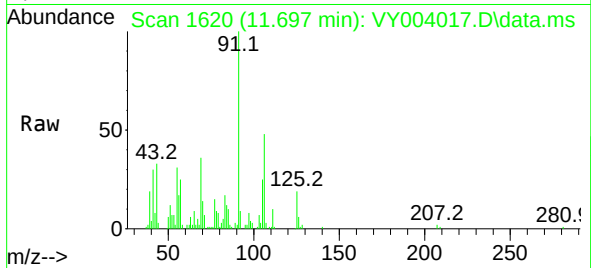




#68
m/p-Xylenes
Concen: 2.00 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

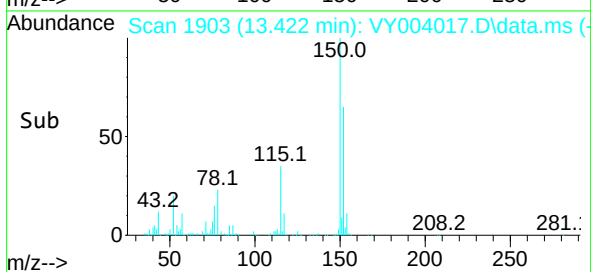
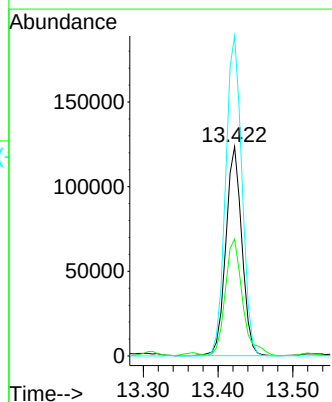
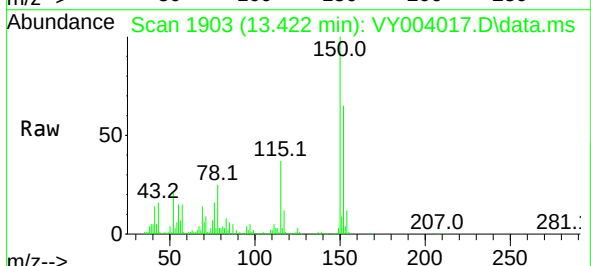
Instrument :
MSVOA_Y
ClientSampleId :

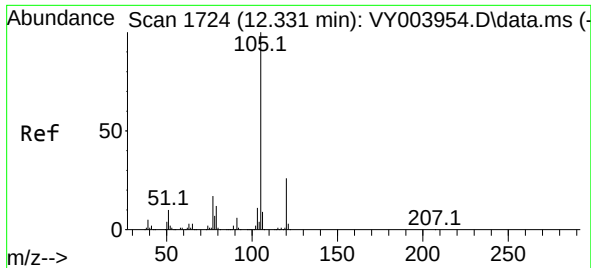
Tgt Ion:106 Resp: 11252
Ion Ratio Lower Upper
106 100
91 217.3 167.1 250.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion:152 Resp: 185055
Ion Ratio Lower Upper
152 100
115 59.9 28.2 84.6
150 155.3 0.0 356.2

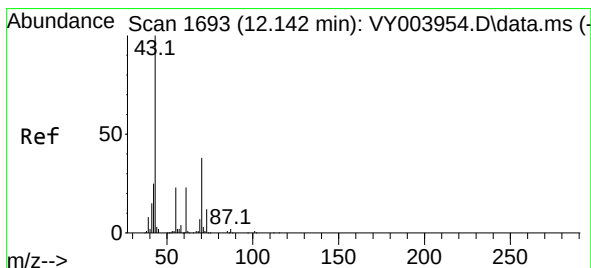
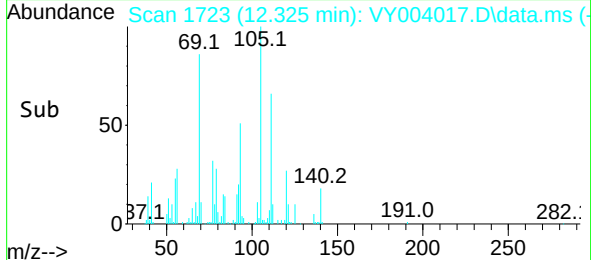
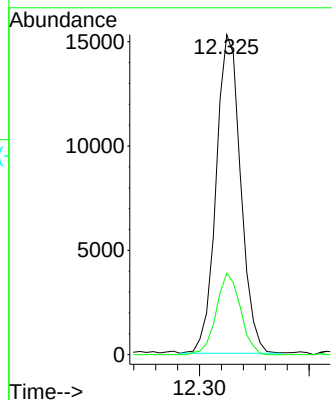
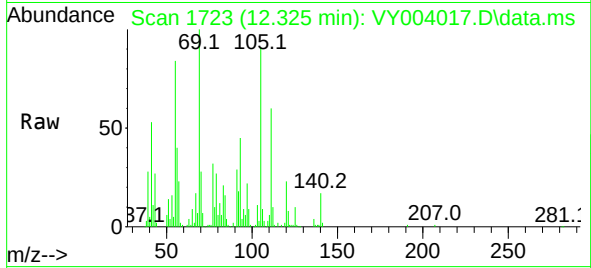




#73
Isopropylbenzene
Concen: 1.79 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

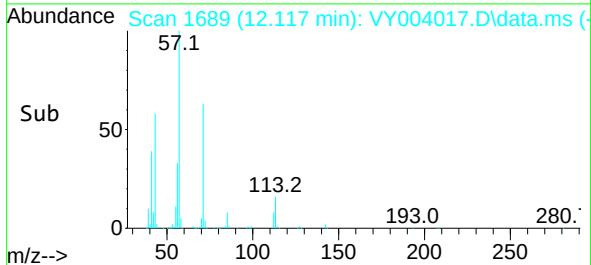
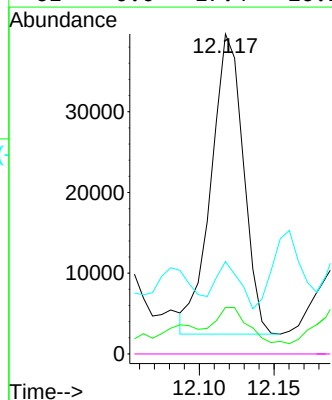
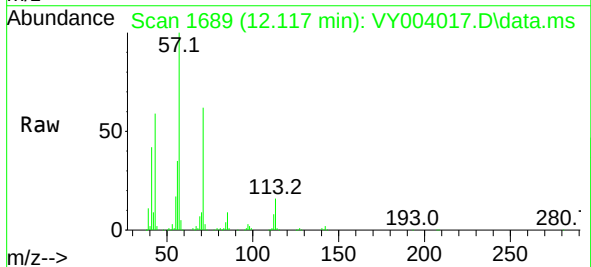
Instrument :
MSVOA_Y
ClientSampleId :

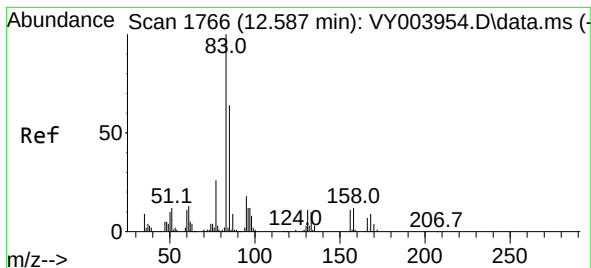
Tgt Ion:105 Resp: 23743
Ion Ratio Lower Upper
105 100
120 25.1 13.6 40.8



#74
N-ethyl acetate
Concen: 14.32 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.024 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion: 43 Resp: 55743
Ion Ratio Lower Upper
43 100
70 12.8 29.6 44.4#
55 11.0 18.4 27.6#
61 0.0 17.4 26.2#



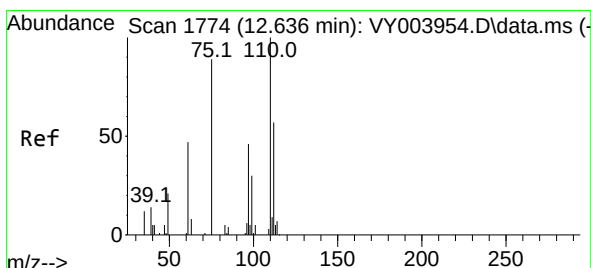
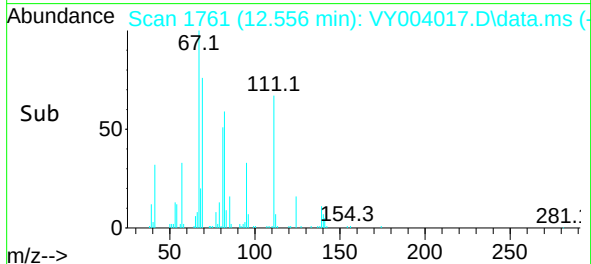
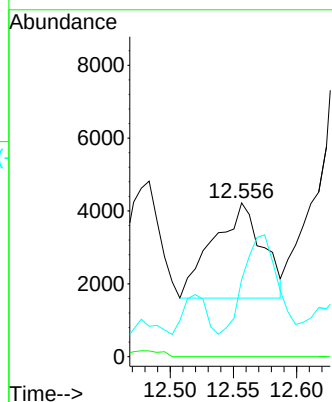
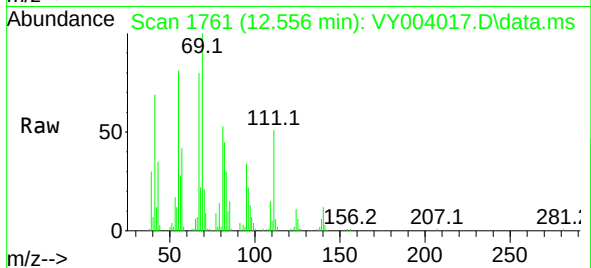


#75

1,1,2,2-Tetrachloroethane
Concen: 2.93 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.030 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion: 83 Resp: 7034
Ion Ratio Lower Upper
83 100
131 0.0 5.3 16.1#
85 71.3 31.6 94.8

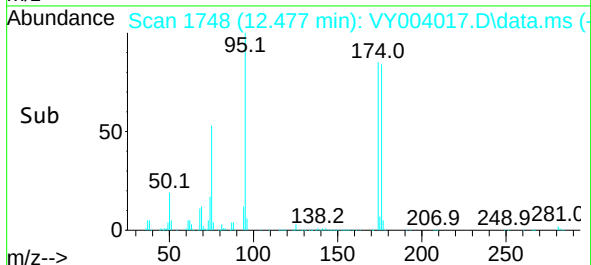
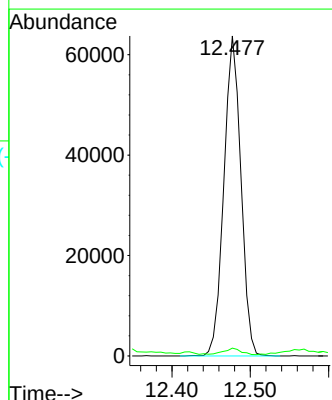
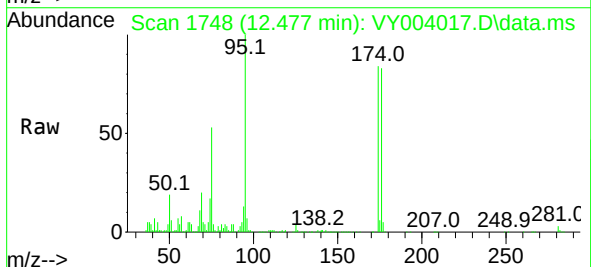
Instrument :
MSVOA_Y
ClientSampleId :

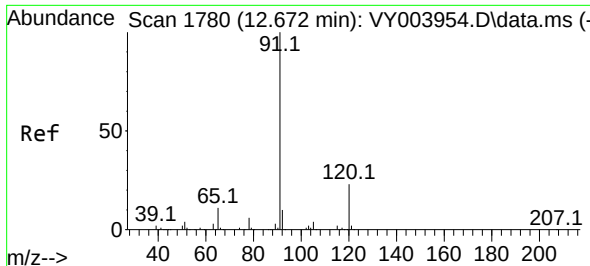


#76

1,2,3-Trichloropropane
Concen: 51.69 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion: 75 Resp: 96374
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#

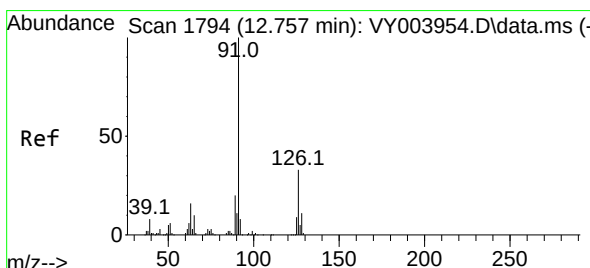
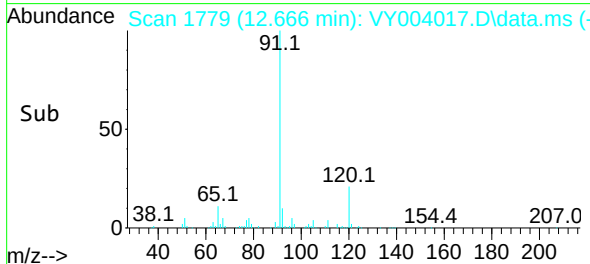
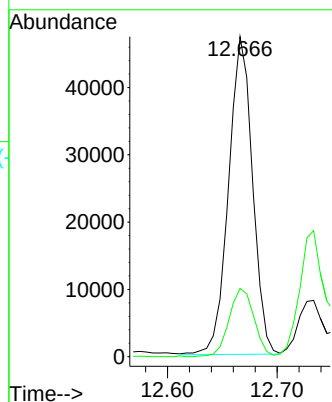
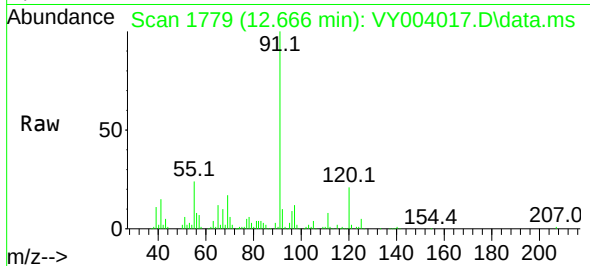




#78
n-propylbenzene
Concen: 4.55 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

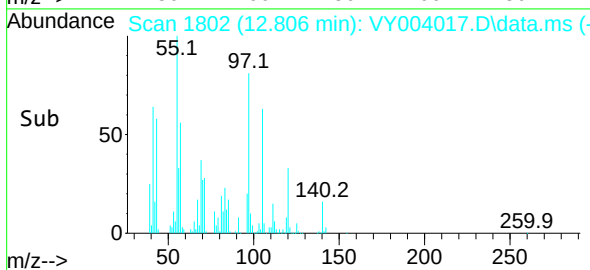
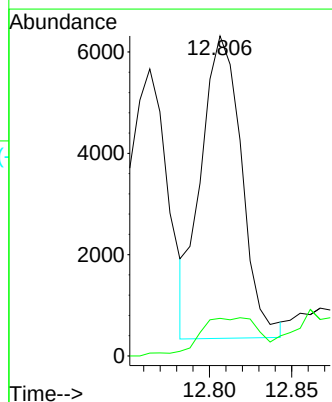
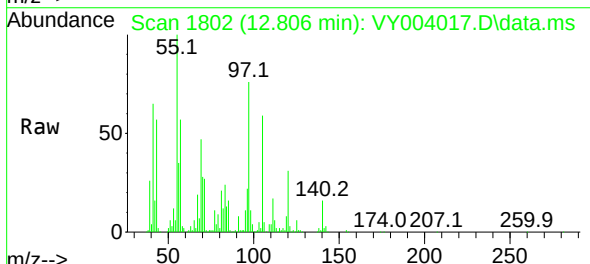
Instrument :
MSVOA_Y
ClientSampled :

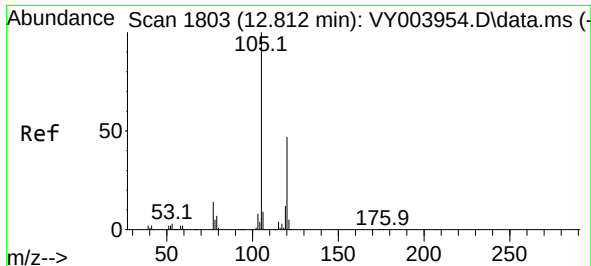
Tgt Ion: 91 Resp: 71708
Ion Ratio Lower Upper
91 100
120 22.3 11.4 34.2



#79
2-Chlorotoluene
Concen: 1.13 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. 0.049 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion: 91 Resp: 10228
Ion Ratio Lower Upper
91 100
126 18.9 16.7 50.1

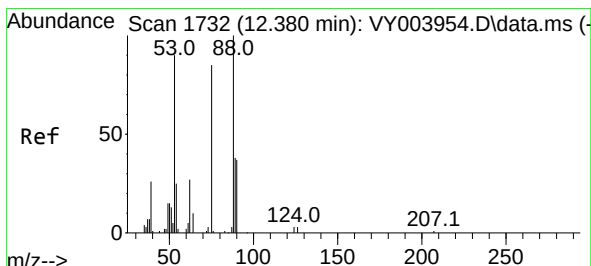
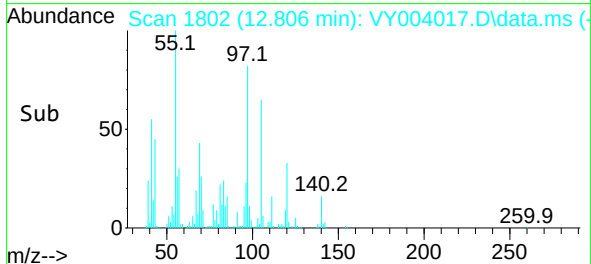
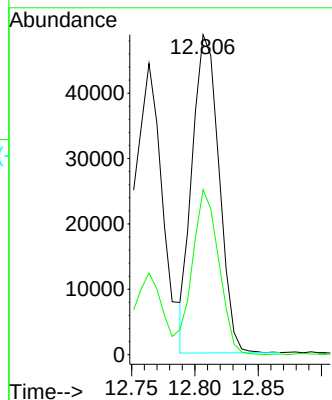
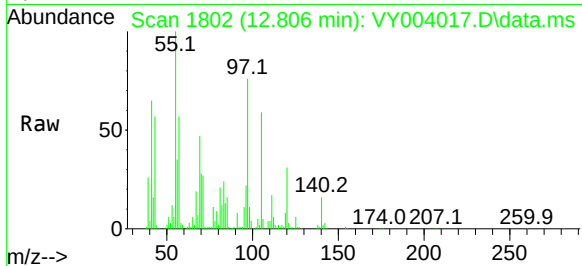




#80
1,3,5-Trimethylbenzene
Concen: 6.31 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

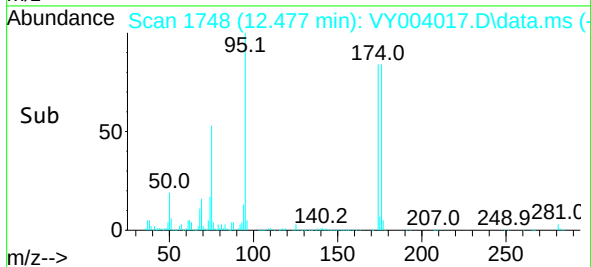
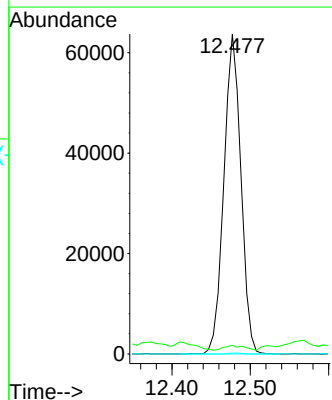
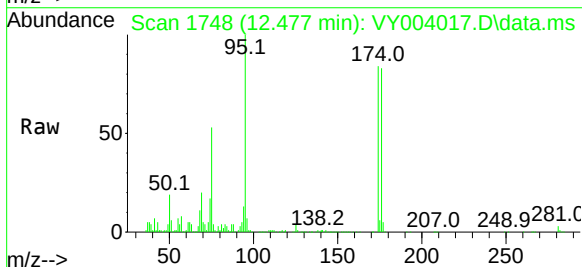
Instrument :
MSVOA_Y
ClientSampled :

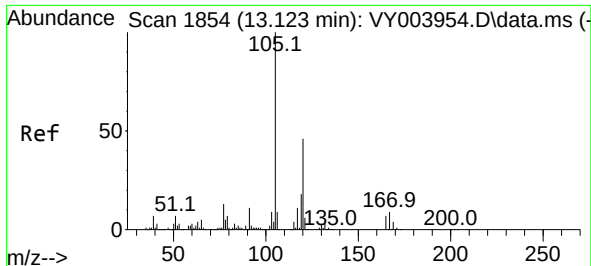
Tgt Ion:105 Resp: 71687
Ion Ratio Lower Upper
105 100
120 51.9 23.9 71.7



#81
trans-1,4-Dichloro-2-butene
Concen: 98.80 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion: 75 Resp: 96374
Ion Ratio Lower Upper
75 100
53 1.8 78.2 117.2#
89 0.2 34.8 52.2#

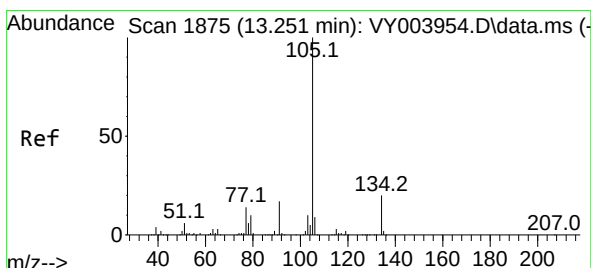
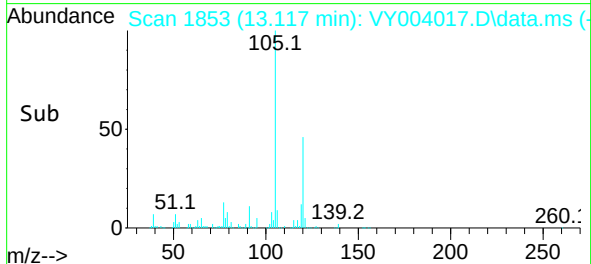
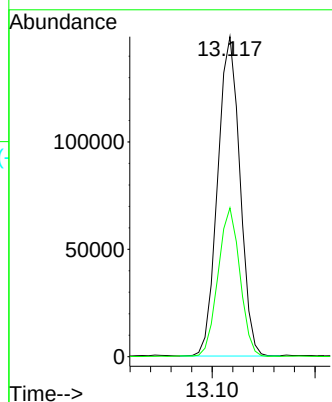
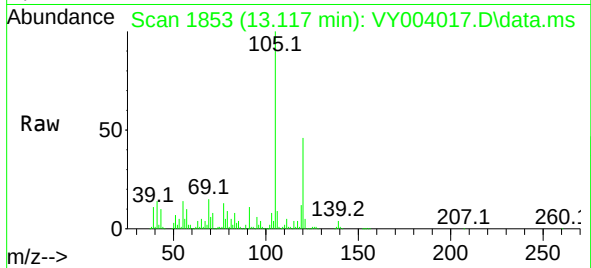




#84
1,2,4-Trimethylbenzene
Concen: 19.65 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

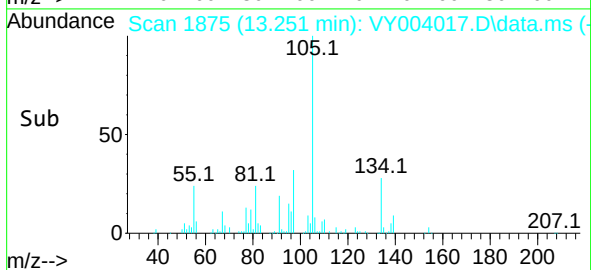
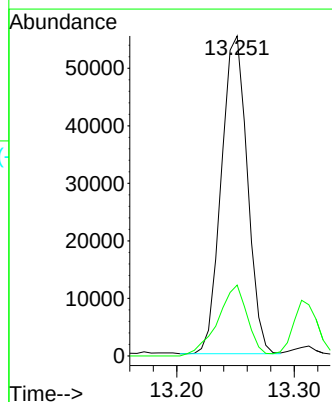
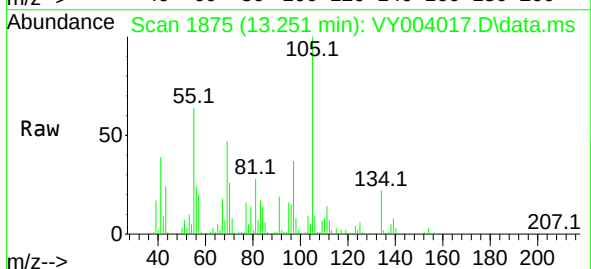
Instrument :
MSVOA_Y
ClientSampled :

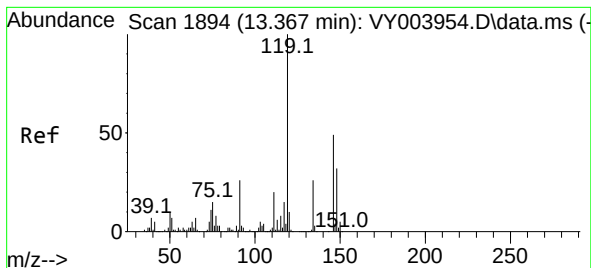
Tgt Ion:105 Resp: 223855
Ion Ratio Lower Upper
105 100
120 46.2 22.2 66.6



#85
sec-Butylbenzene
Concen: 6.50 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion:105 Resp: 85121
Ion Ratio Lower Upper
105 100
134 25.6 10.2 30.6

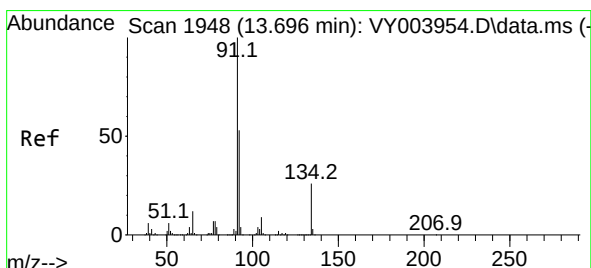
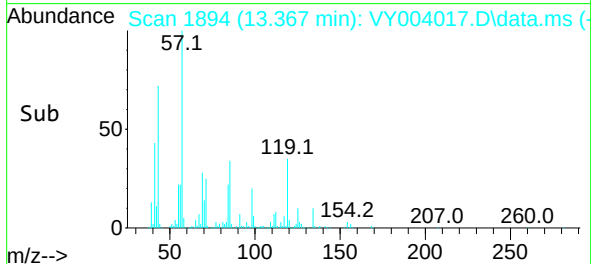
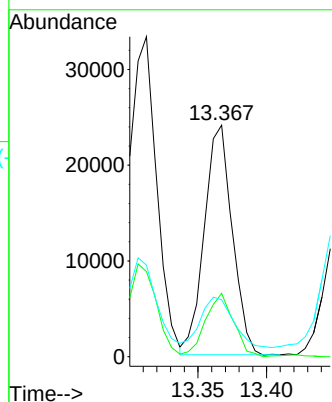
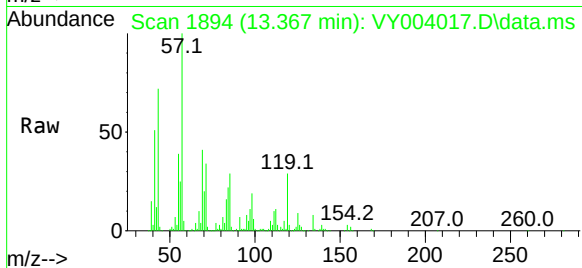




#86
p-Isopropyltoluene
Concen: 2.79 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

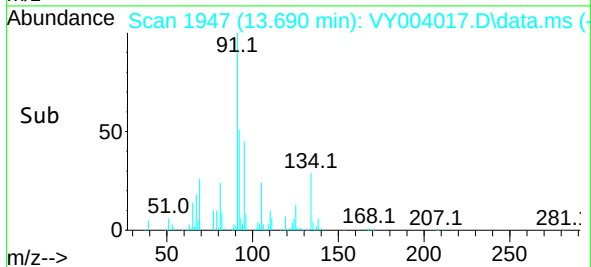
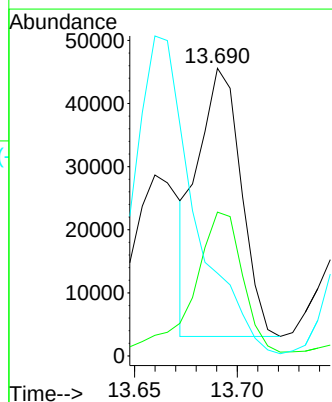
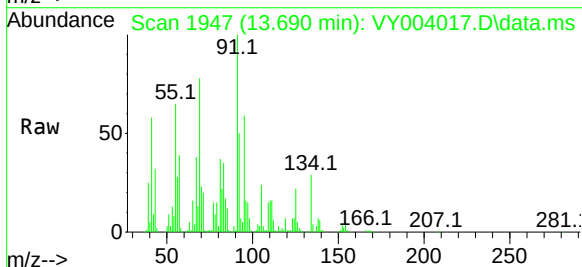
Instrument :
MSVOA_Y
ClientSampleId :

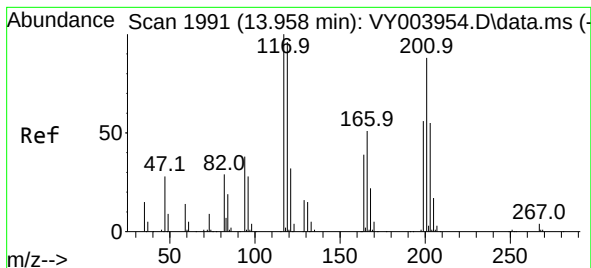
Tgt Ion:119 Resp: 34056
Ion Ratio Lower Upper
119 100
134 27.0 13.5 40.5
91 25.3 12.8 38.3



#89
n-Butylbenzene
Concen: 5.48 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion: 91 Resp: 62129
Ion Ratio Lower Upper
91 100
92 57.9 26.4 79.2
134 0.0 13.2 39.5#

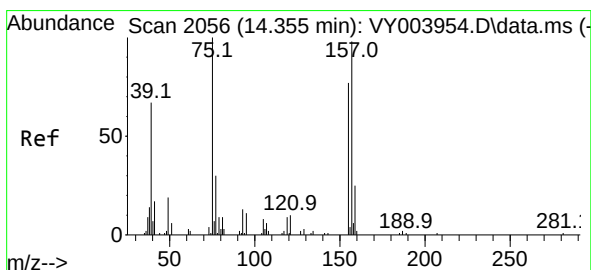
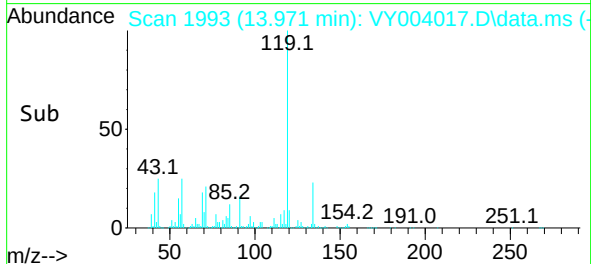
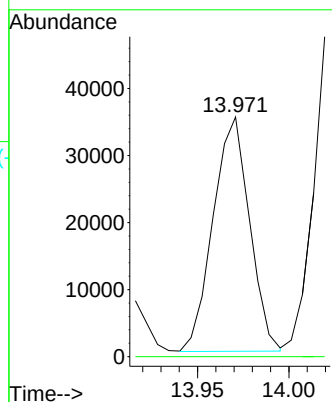
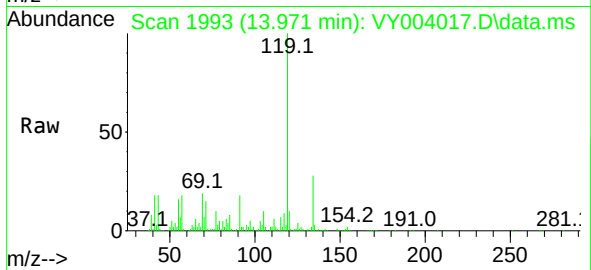




#90
Hexachloroethane
Concen: 21.70 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

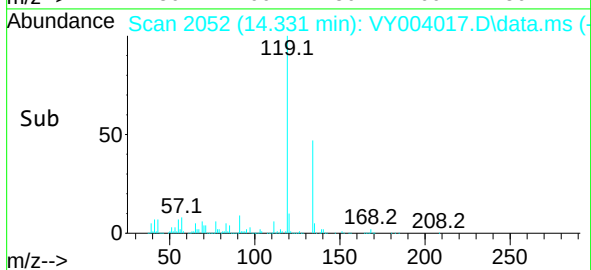
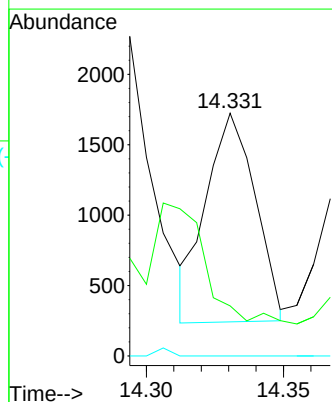
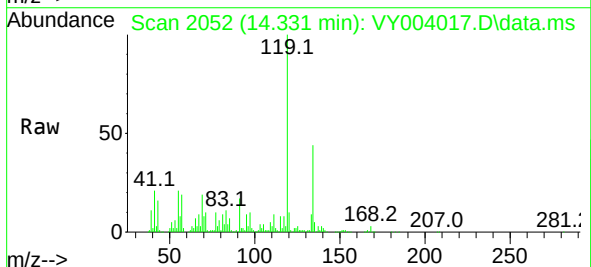
Instrument :
MSVOA_Y
ClientSampleId :

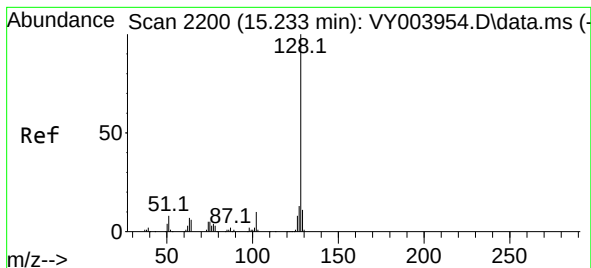
Tgt Ion:117 Resp: 48528
Ion Ratio Lower Upper
117 100
201 0.0 45.5 136.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.73 ug/l
RT: 14.331 min Scan# 2052
Delta R.T. -0.024 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion: 75 Resp: 1846
Ion Ratio Lower Upper
75 100
155 0.0 37.6 112.9#
157 0.0 50.4 151.2#

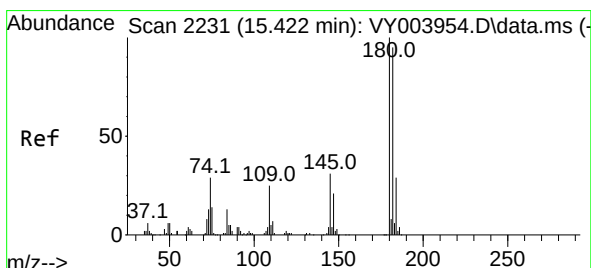
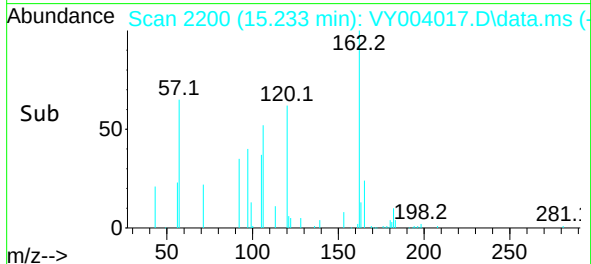
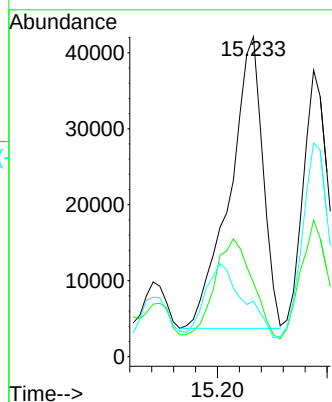
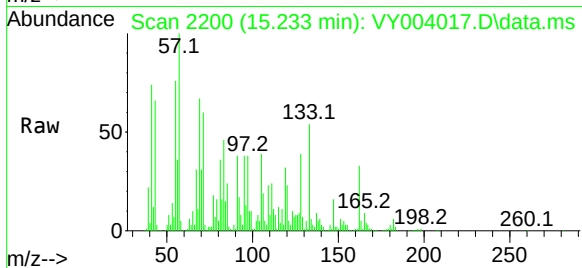




#95
Naphthalene
Concen: 11.21 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 80296
Ion Ratio Lower Upper
128 100
127 0.0 11.4 17.0#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.73 ug/l
RT: 15.446 min Scan# 2235
Delta R.T. 0.025 min
Lab File: VY004017.D
Acq: 11 Feb 2021 21:26

Tgt Ion:180 Resp: 12264
Ion Ratio Lower Upper
180 100
182 0.0 47.7 143.1#
145 1440.9 15.2 45.6#

