

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021221\
 Data File : VY004026.D
 Acq On : 12 Feb 2021 16:24
 Operator : SY/MD
 Sample : M1398-05RE
 Misc : 5.52g/5mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 13 00:12:38 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)

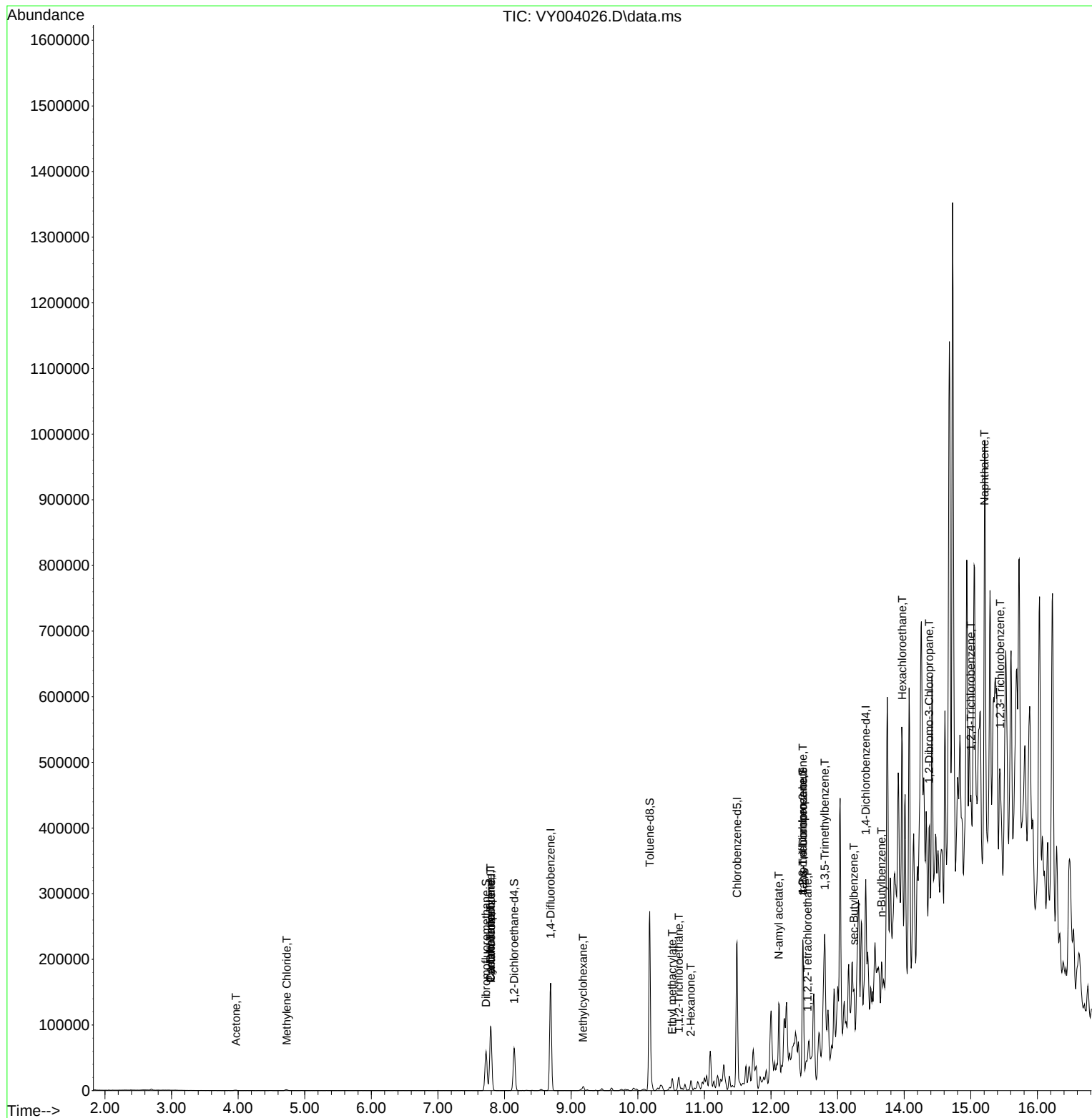
Internal Standards						
1) Pentafluorobenzene	7.795	168	77739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	133053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	117747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55272	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	50997	59.66	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.32%
35) Dibromofluoromethane	7.722	113	40476	52.03	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.06%
50) Toluene-d8	10.179	98	158208	51.82	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.64%
62) 4-Bromofluorobenzene	12.477	95	57708	51.86	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.72%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	62	Below Cal	#	77
16) Acetone	3.967	43	1567	7.47	ug/l #	80
20) Methylene Chloride	4.729	84	1008	1.13	ug/l #	87
31) Cyclohexane	7.789	56	1711	1.19	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5745	4.27	ug/l #	49
38) Carbon Tetrachloride	7.789	117	7325	5.04	ug/l #	15
39) Methylcyclohexane	9.179	83	2416	1.51	ug/l	96
55) 1,1,2-Trichloroethane	10.618	97	7361	10.09	ug/l #	19
56) Ethyl methacrylate	10.514	69	1770	1.70	ug/l #	1
59) 2-Hexanone	10.795	43	6709	12.66	ug/l #	32
74) N-amyl acetate	12.118	43	28209	24.26	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.550	83	2816	3.93	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	29892	53.68	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.806	105	15696	4.62	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.477	75	29892	102.60	ug/l #	13
85) sec-Butylbenzene	13.245	105	5987	1.53	ug/l	91
89) n-Butylbenzene	13.660	91	9315	2.75	ug/l #	1
90) Hexachloroethane	13.971	117	10497	15.71	ug/l #	4
92) 1,2-Dibromo-3-Chloropr...	14.373	75	612	4.14	ug/l #	23
93) 1,2,4-Trichlorobenzene	15.001	180	1201	1.05	ug/l #	1
95) Naphthalene	15.202	128	8950	4.18	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.440	180	4079	4.15	ug/l #	1

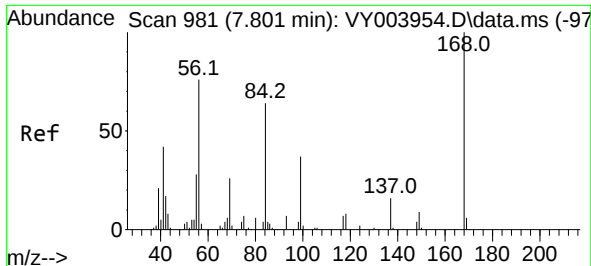
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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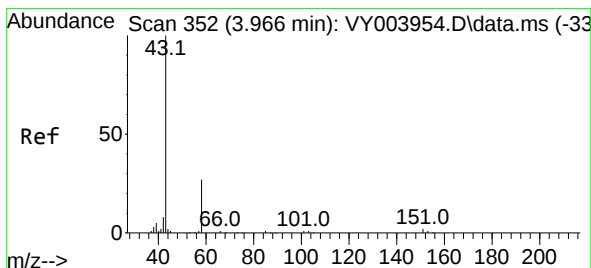
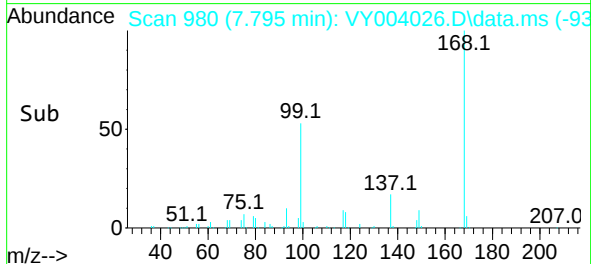
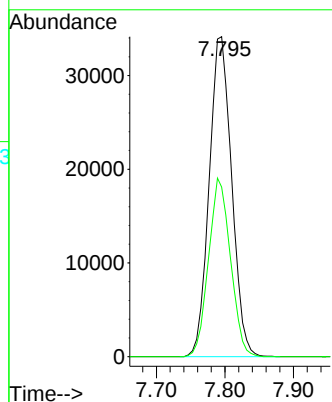
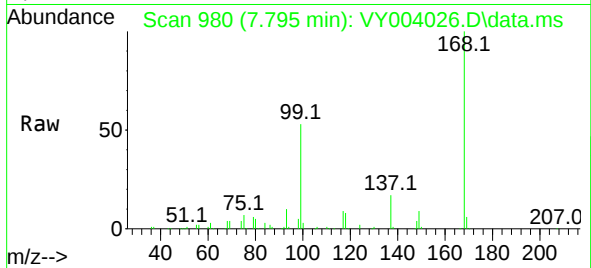




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

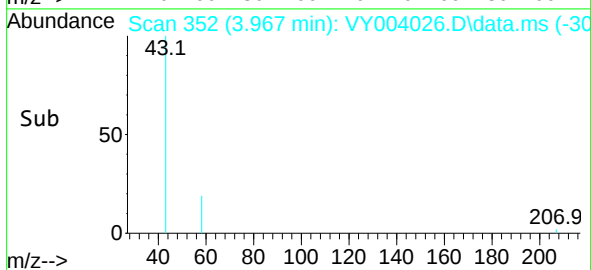
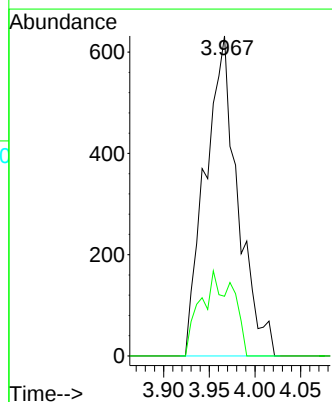
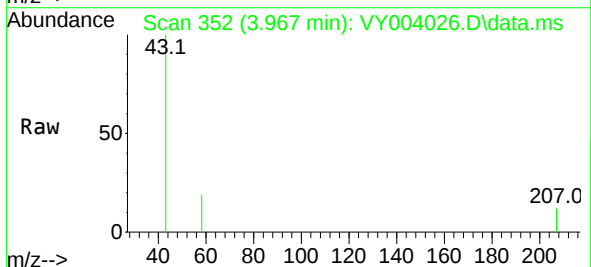
Instrument :
MSVOA_Y
ClientSampled :

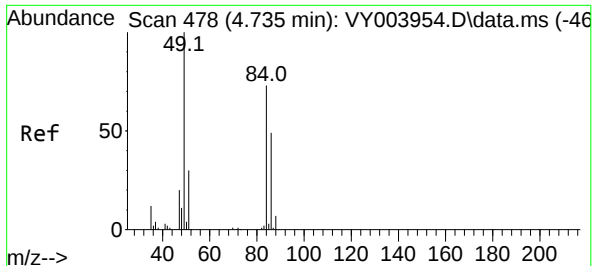
Tgt Ion:168 Resp: 77739
Ion Ratio Lower Upper
168 100
99 53.0 46.1 69.1



#16
Acetone
Concen: 7.47 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

Tgt Ion: 43 Resp: 1567
Ion Ratio Lower Upper
43 100
58 18.7 23.4 35.0#





#20

Methylene Chloride

Concen: 1.13 ug/l

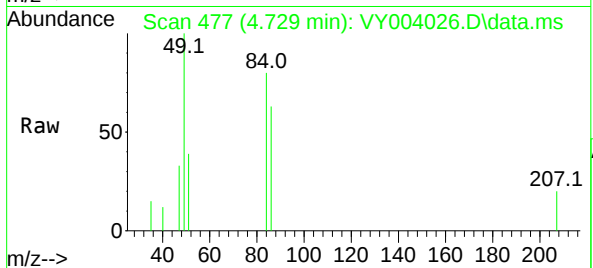
RT: 4.729 min Scan# 477

Delta R.T. -0.006 min

Lab File: VY004026.D

Acq: 12 Feb 2021 16:24

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 1008

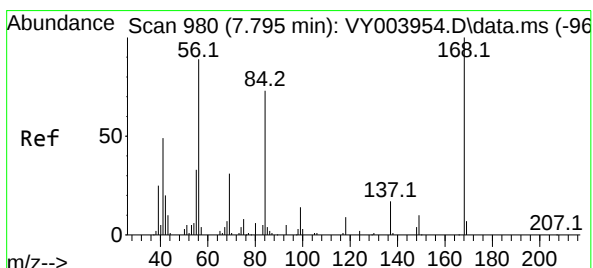
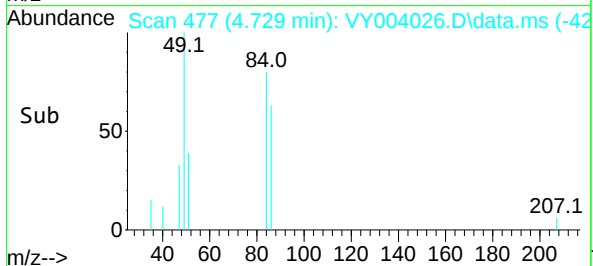
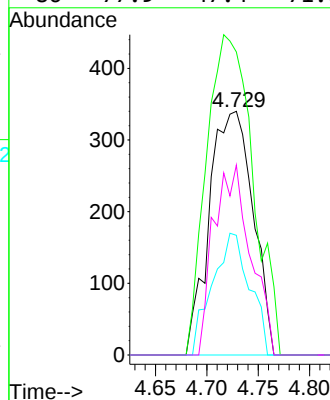
Ion Ratio Lower Upper

84 100

49 124.4 107.0 160.4

51 49.1 31.9 47.9#

86 77.9 47.4 71.0#



#31

Cyclohexane

Concen: 1.19 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY004026.D

Acq: 12 Feb 2021 16:24

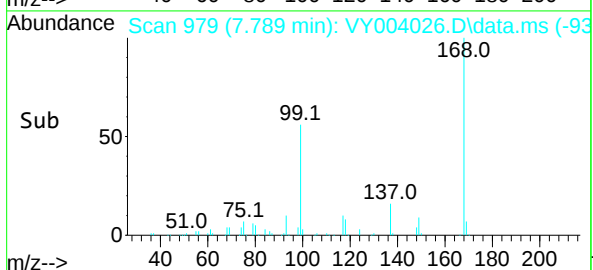
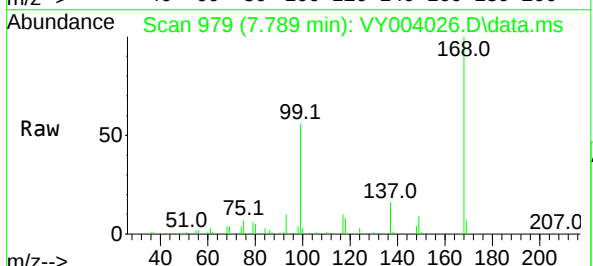
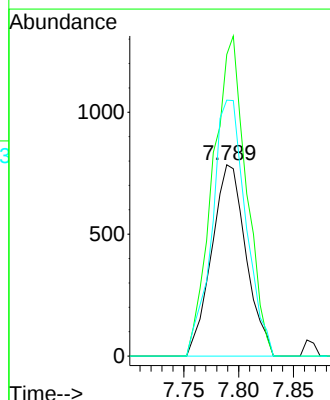
Tgt Ion: 56 Resp: 1711

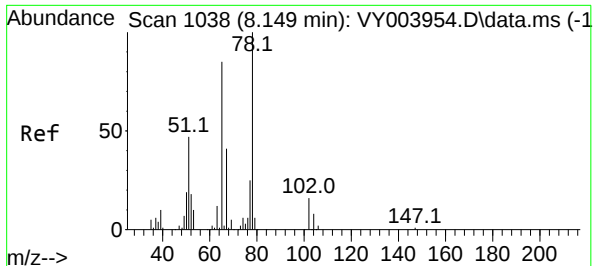
Ion Ratio Lower Upper

56 100

69 157.6 25.0 37.4#

84 133.8 64.5 96.7#

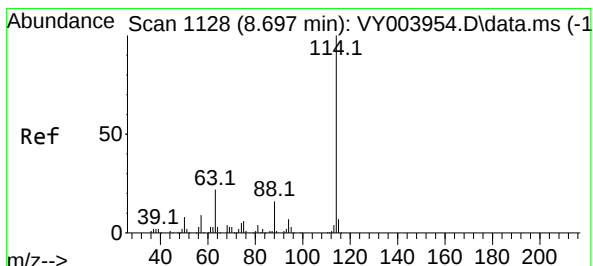
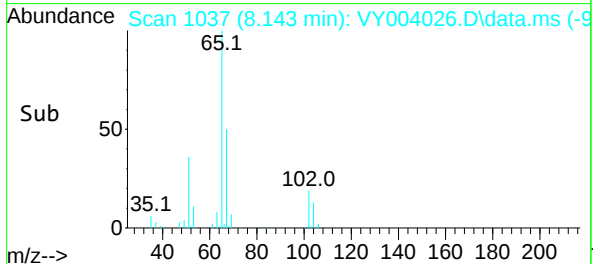
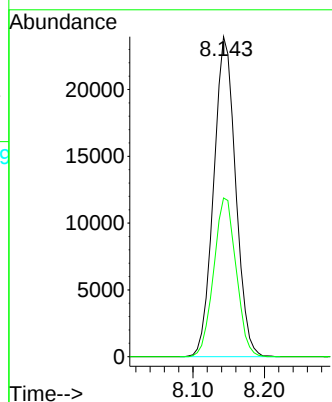
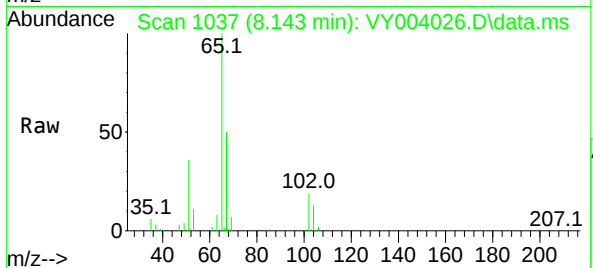




#33
1,2-Dichloroethane-d4
Concen: 59.66 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

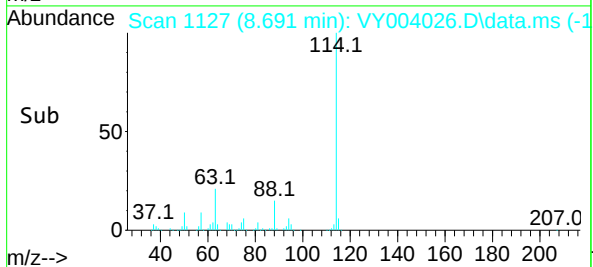
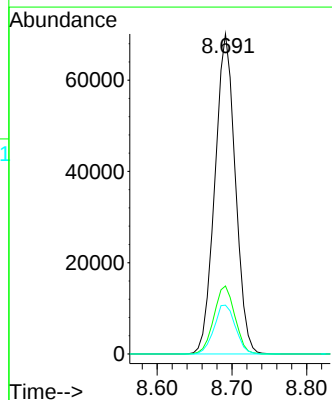
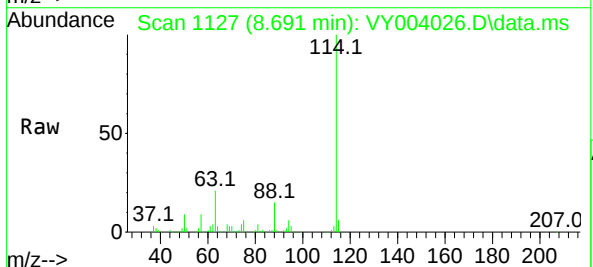
Instrument :
MSVOA_Y
ClientSampled :

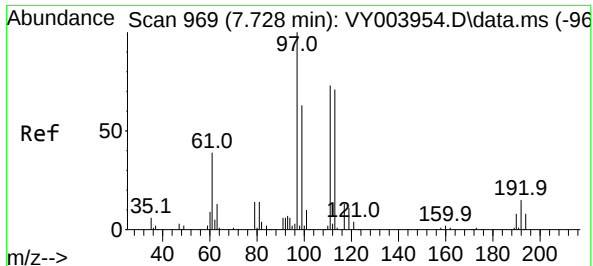
Tgt Ion: 65 Resp: 50997
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

Tgt Ion: 114 Resp: 133053
Ion Ratio Lower Upper
114 100
63 21.2 0.0 47.2
88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.03 ug/l

RT: 7.722 min Scan# 968

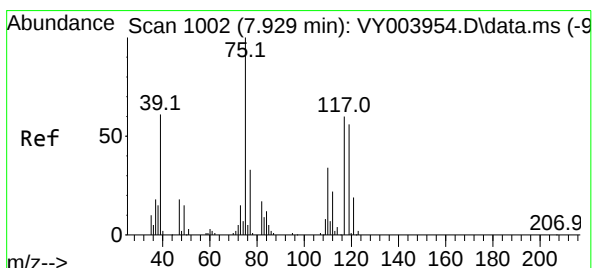
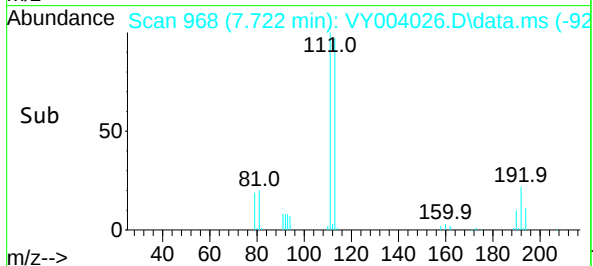
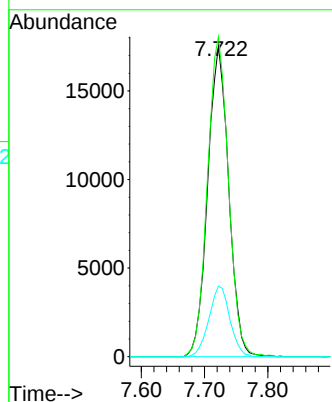
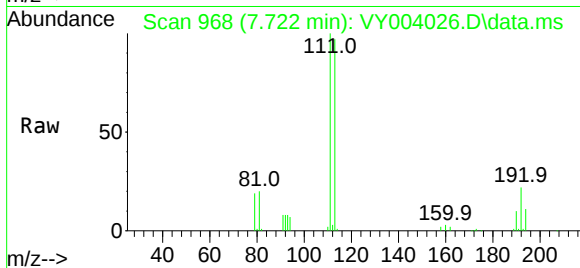
Delta R.T. -0.006 min

Lab File: VY004026.D

Acq: 12 Feb 2021 16:24

Tgt Ion:	113	Resp:	40476
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	22.6	18.3	27.5

Instrument :
MSVOA_Y
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.27 ug/l

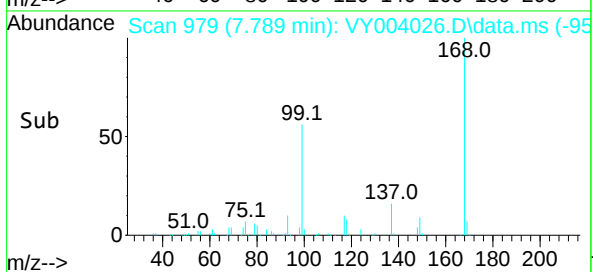
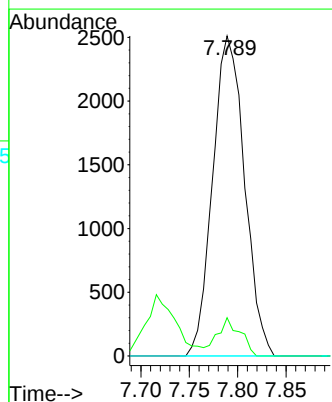
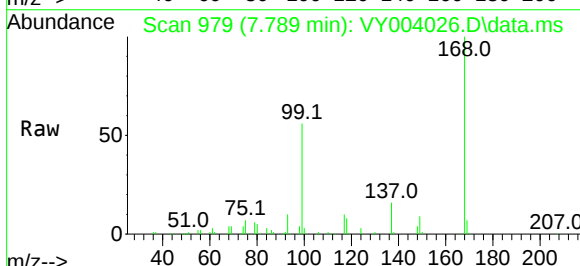
RT: 7.789 min Scan# 979

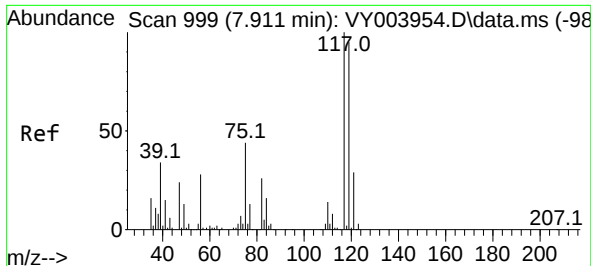
Delta R.T. -0.140 min

Lab File: VY004026.D

Acq: 12 Feb 2021 16:24

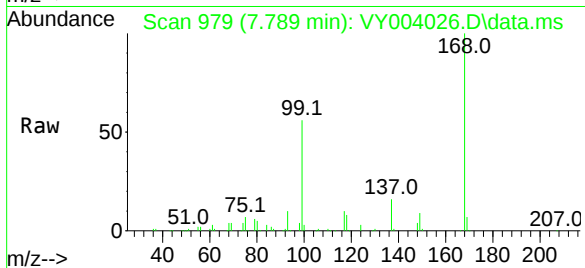
Tgt Ion:	75	Resp:	5745
Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.9	53.8#
77	0.0	24.8	37.2#



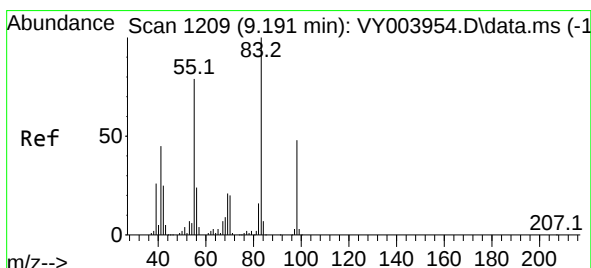
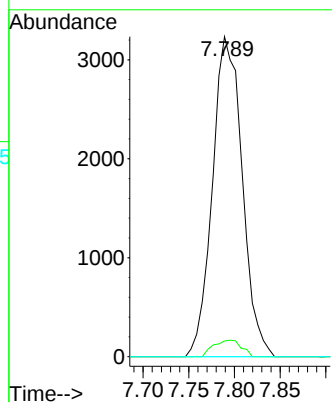
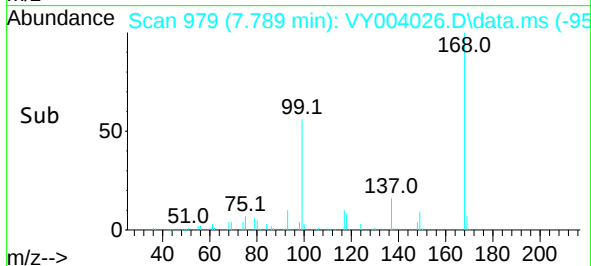


#38
Carbon Tetrachloride
Concen: 5.04 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

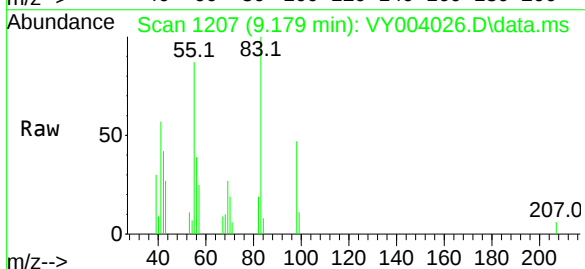
Instrument :
MSVOA_Y
ClientSampleId :



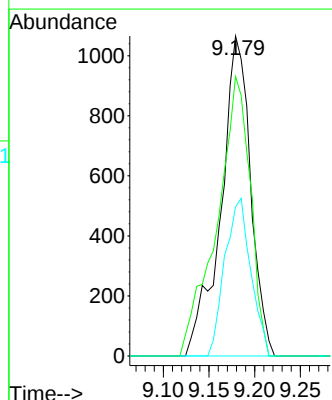
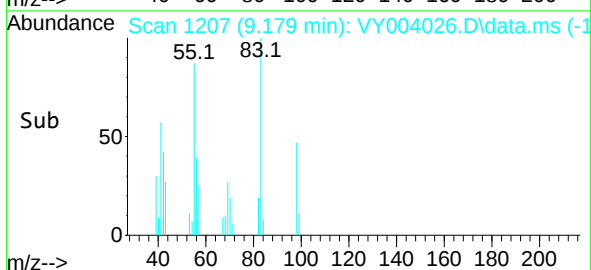
Tgt Ion:117 Resp: 7325
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.0#
121 0.0 26.1 39.1#

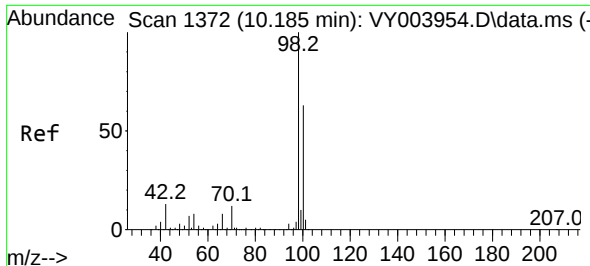


#39
Methylcyclohexane
Concen: 1.51 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.012 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24



Tgt Ion: 83 Resp: 2416
Ion Ratio Lower Upper
83 100
55 87.3 65.8 98.6
98 46.6 38.3 57.5

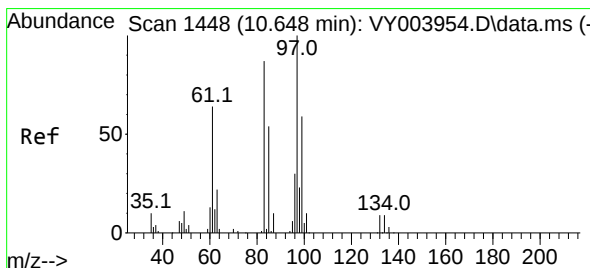
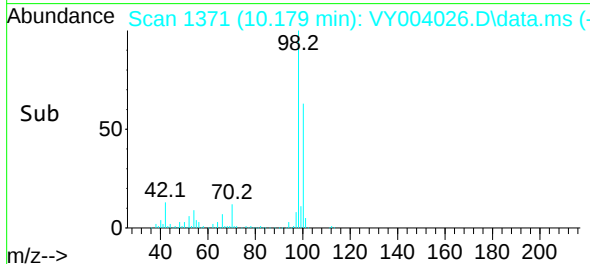
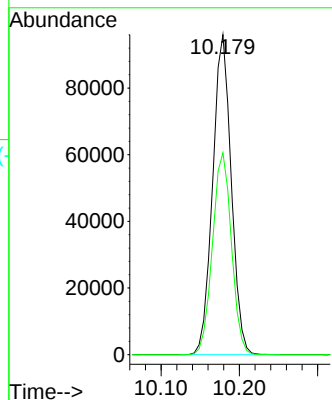
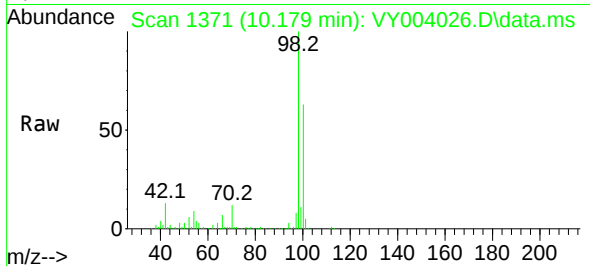




#50
Toluene-d8
Concen: 51.82 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

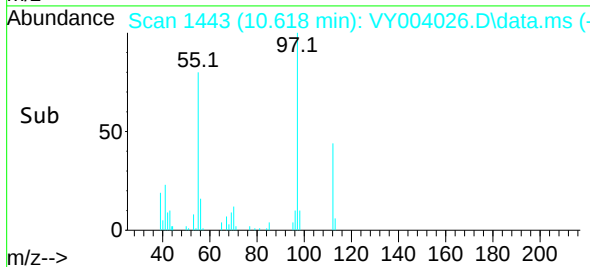
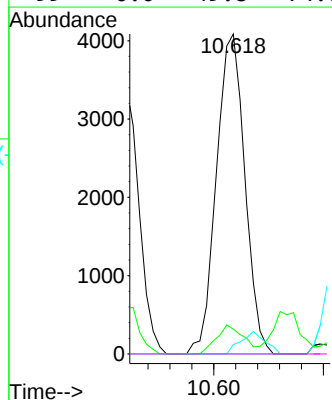
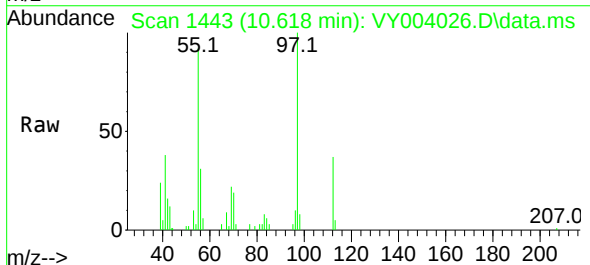
Instrument :
MSVOA_Y
ClientSampled :

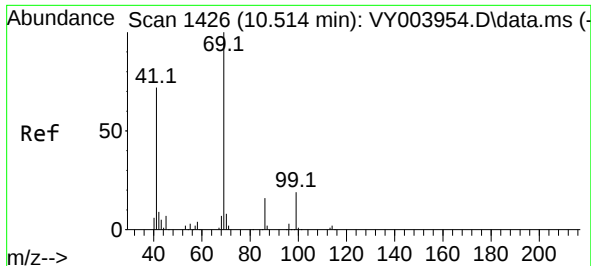
Tgt Ion: 98 Resp: 158208
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#55
1,1,2-Trichloroethane
Concen: 10.09 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

Tgt Ion: 97 Resp: 7361
Ion Ratio Lower Upper
97 100
83 7.7 70.6 106.0#
85 3.0 45.8 68.8#
99 0.0 49.8 74.6#

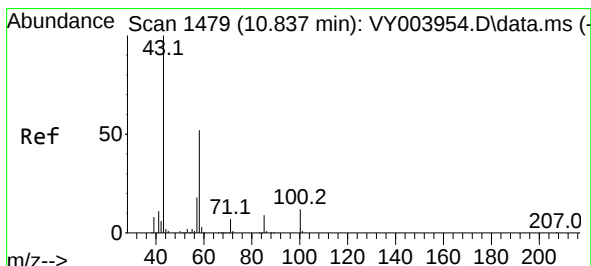
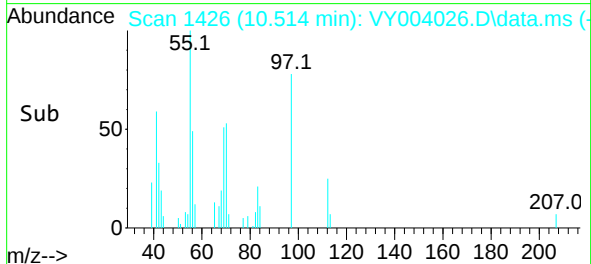
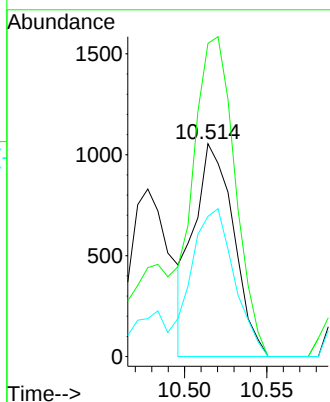
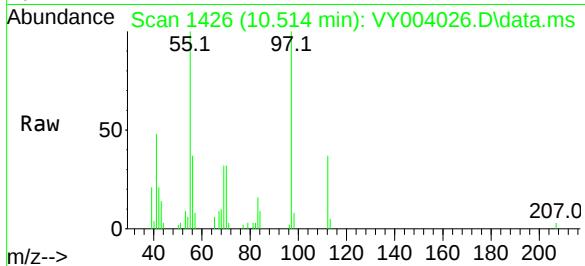




#56
Ethyl methacrylate
Concen: 1.70 ug/l
RT: 10.514 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

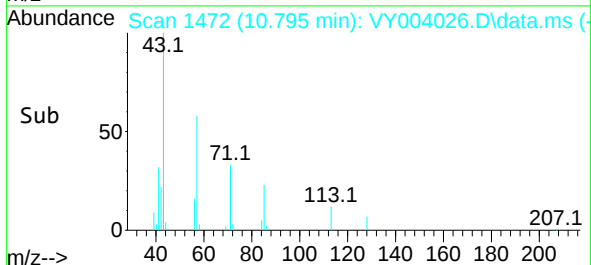
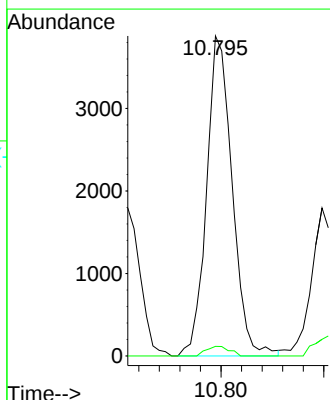
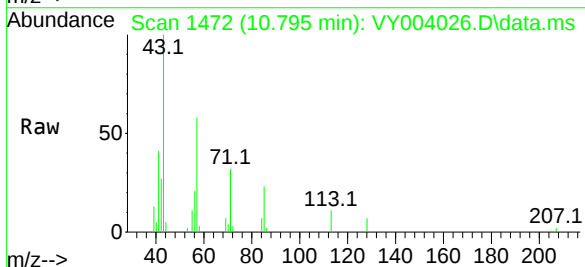
Instrument :
MSVOA_Y
ClientSampled :

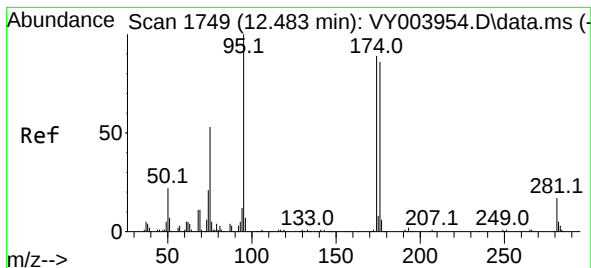
Tgt Ion: 69 Resp: 1770
Ion Ratio Lower Upper
69 100
41 216.9 59.6 89.4#
39 75.7 31.9 47.9#



#59
2-Hexanone
Concen: 12.66 ug/l
RT: 10.795 min Scan# 1472
Delta R.T. -0.042 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

Tgt Ion: 43 Resp: 6709
Ion Ratio Lower Upper
43 100
58 2.8 24.8 74.4#

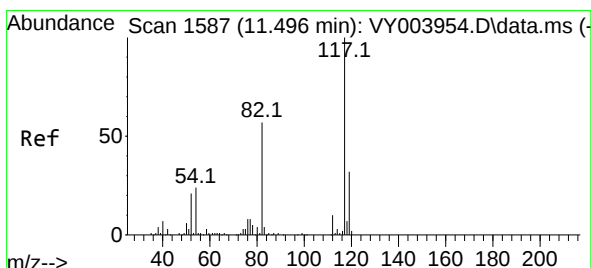
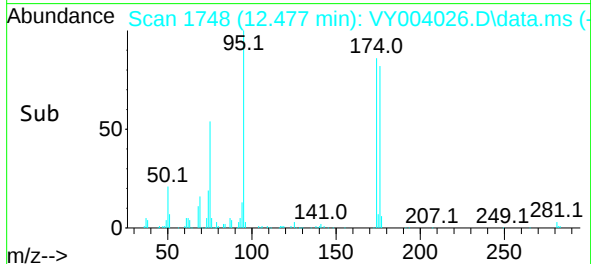
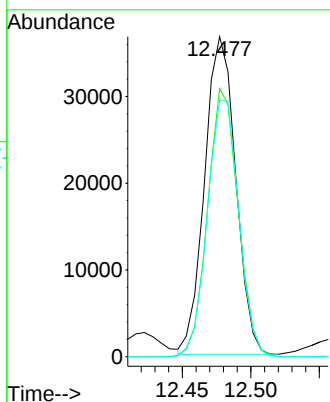
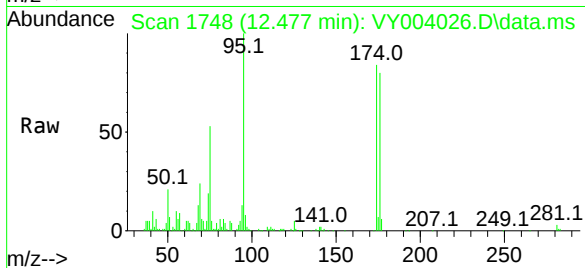




#62
4-Bromofluorobenzene
Concen: 51.86 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

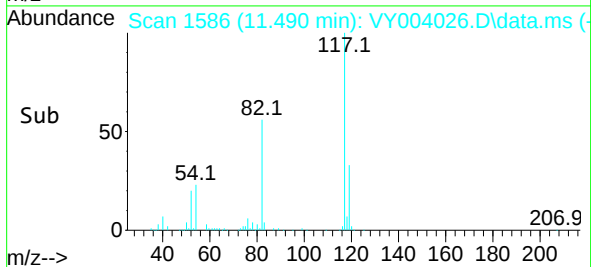
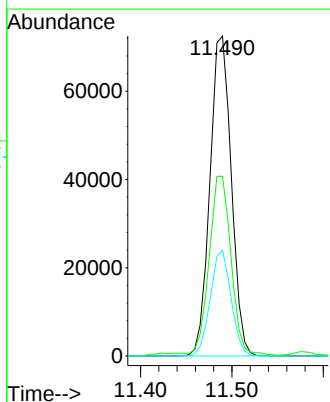
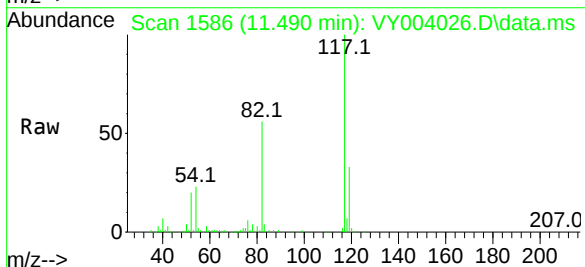
Instrument :
MSVOA_Y
ClientSampled :

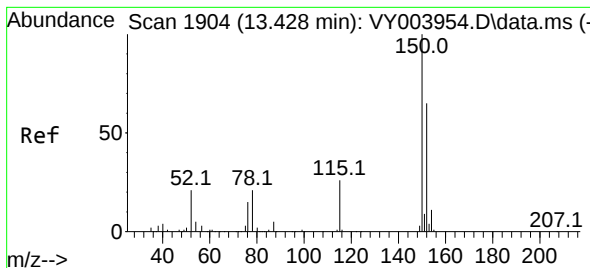
Tgt Ion: 95 Resp: 57708
Ion Ratio Lower Upper
95 100
174 82.7 0.0 184.4
176 81.7 0.0 177.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

Tgt Ion: 117 Resp: 117747
Ion Ratio Lower Upper
117 100
82 55.9 44.3 66.5
119 33.1 25.0 37.6

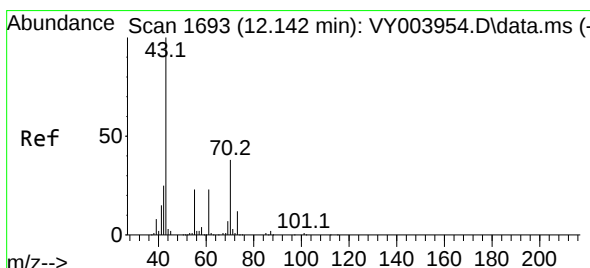
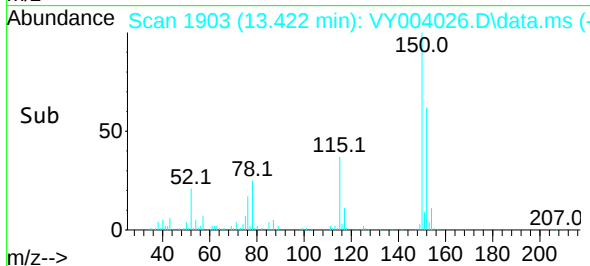
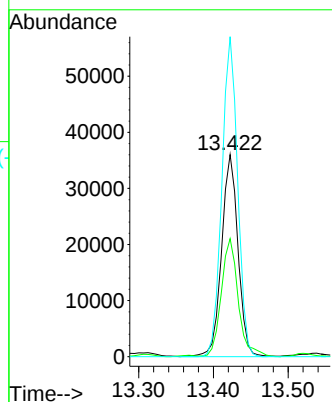
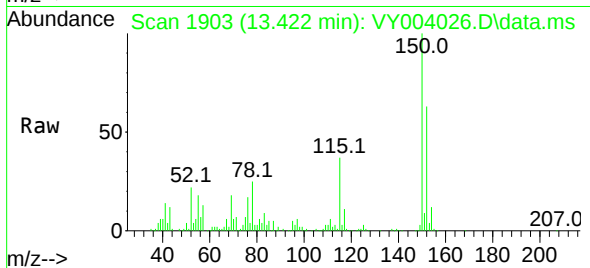




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

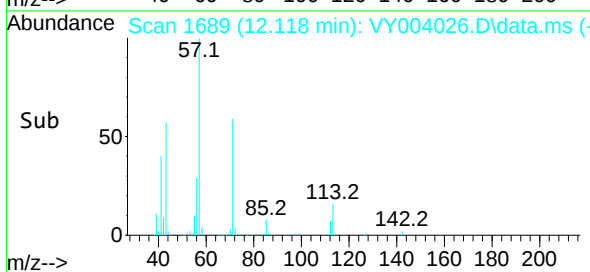
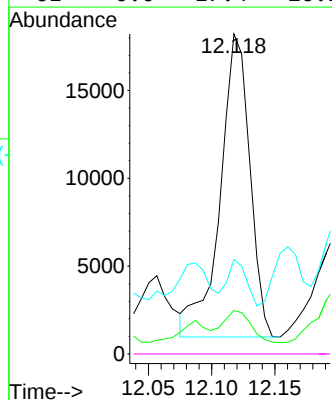
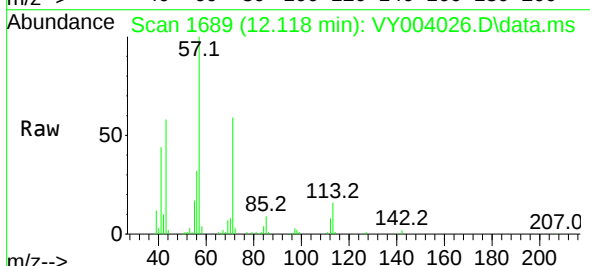
Instrument :
MSVOA_Y
ClientSampleId :

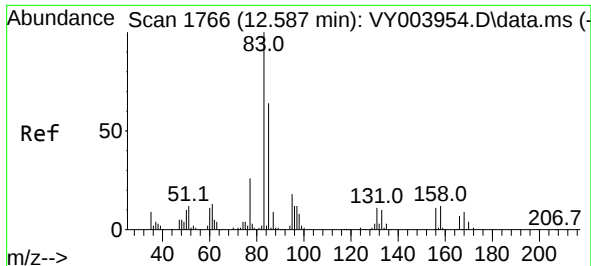
Tgt Ion:152 Resp: 55272
Ion Ratio Lower Upper
152 100
115 60.1 28.2 84.6
150 151.3 0.0 356.2



#74
N-ethyl acetate
Concen: 24.26 ug/l
RT: 12.118 min Scan# 1689
Delta R.T. -0.024 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

Tgt Ion: 43 Resp: 28209
Ion Ratio Lower Upper
43 100
70 9.8 29.6 44.4#
55 9.4 18.4 27.6#
61 0.0 17.4 26.2#

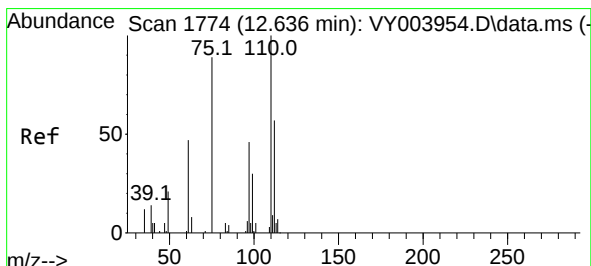
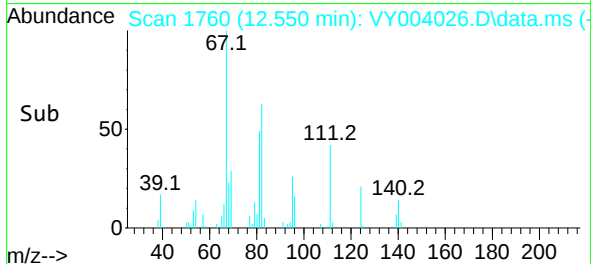
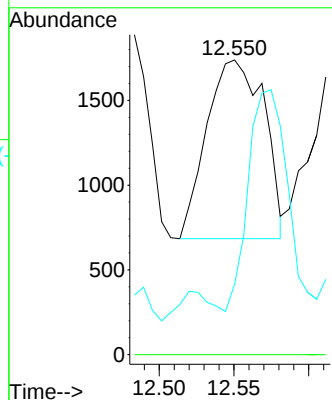
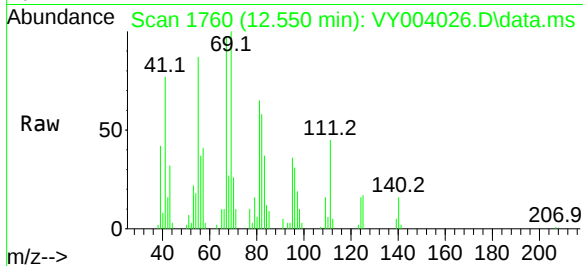




#75
 1,1,2,2-Tetrachloroethane
 Concen: 3.93 ug/l
 RT: 12.550 min Scan# 1760
 Delta R.T. -0.036 min
 Lab File: VY004026.D
 Acq: 12 Feb 2021 16:24

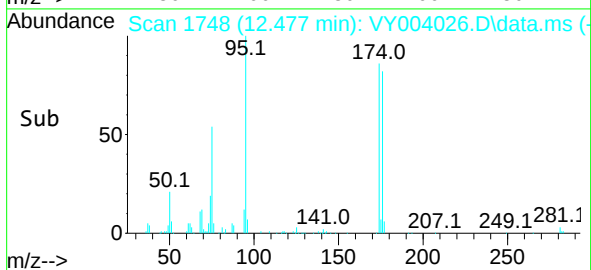
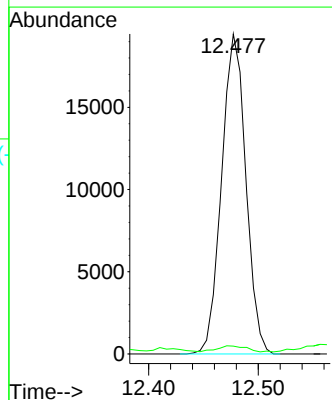
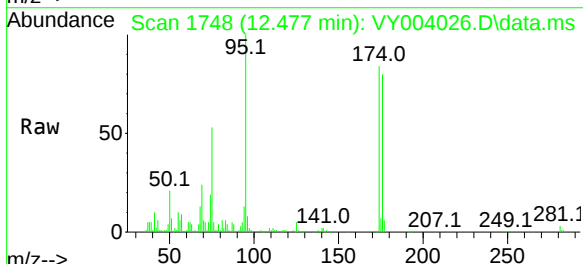
Instrument :
 MSVOA_Y
 ClientSampleId :

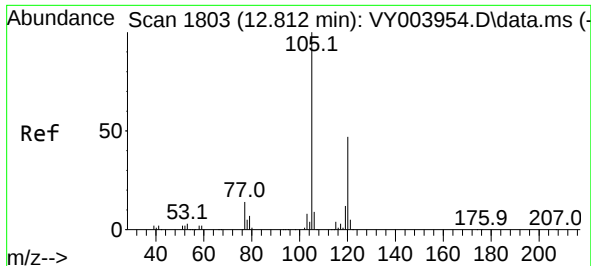
Tgt Ion: 83 Resp: 2816
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 16.1#
 85 0.0 31.6 94.8#



#76
 1,2,3-Trichloropropane
 Concen: 53.68 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY004026.D
 Acq: 12 Feb 2021 16:24

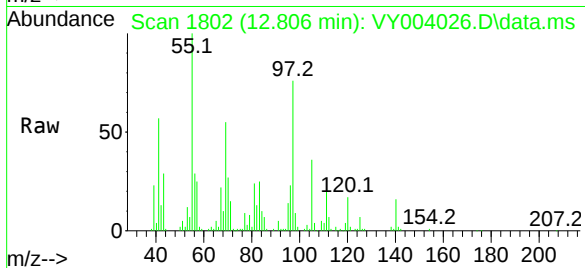
Tgt Ion: 75 Resp: 29892
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#



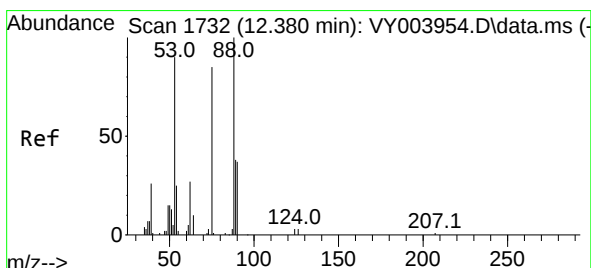
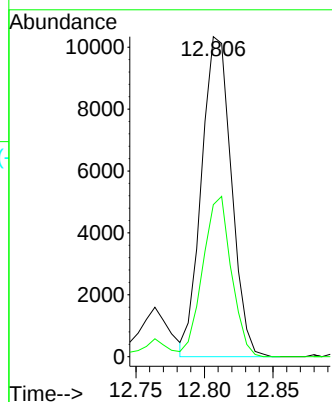
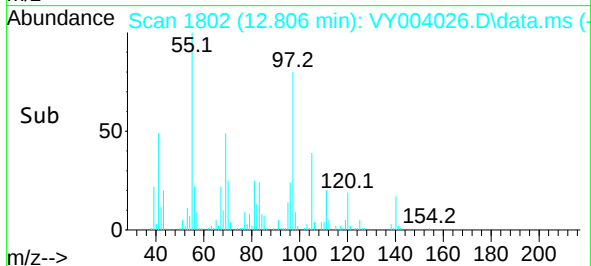


#80
 1,3,5-Trimethylbenzene
 Concen: 4.62 ug/l
 RT: 12.806 min Scan# 1802
 Delta R.T. -0.006 min
 Lab File: VY004026.D
 Acq: 12 Feb 2021 16:24

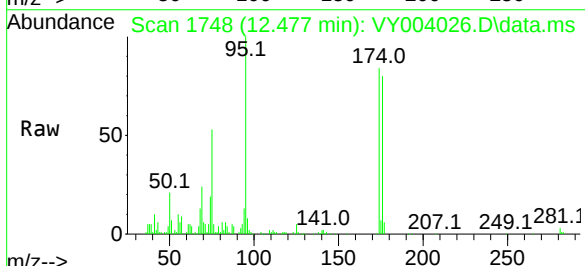
Instrument :
 MSVOA_Y
 ClientSampled :



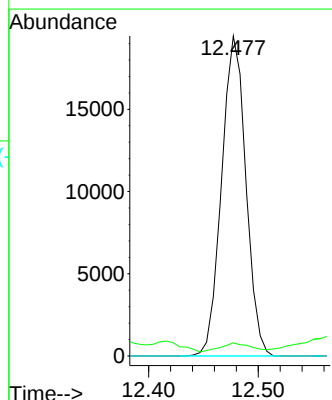
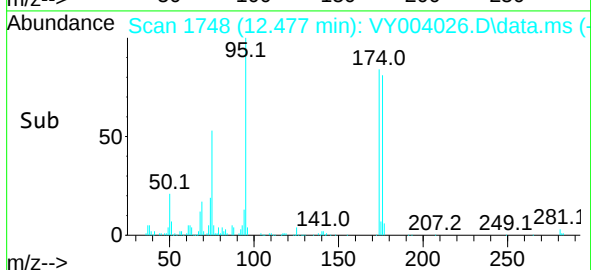
Tgt Ion:105 Resp: 15696
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.7

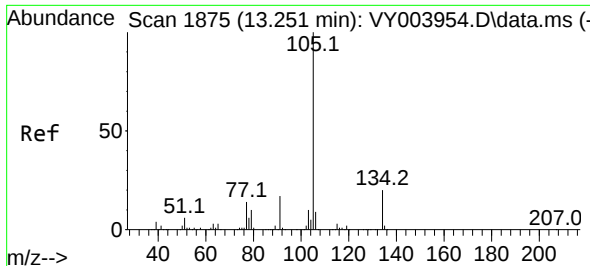


#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.60 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.098 min
 Lab File: VY004026.D
 Acq: 12 Feb 2021 16:24



Tgt Ion: 75 Resp: 29892
 Ion Ratio Lower Upper
 75 100
 53 3.5 78.2 117.2#
 89 0.0 34.8 52.2#

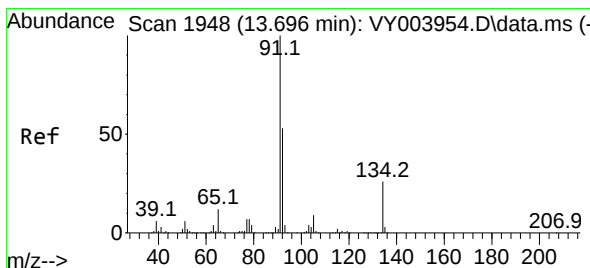
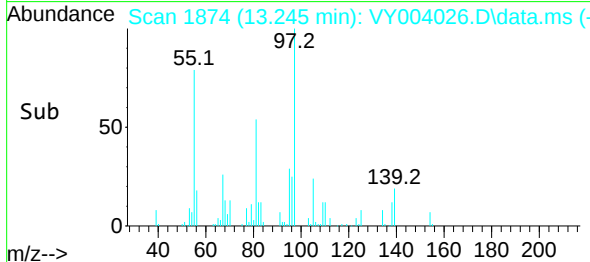
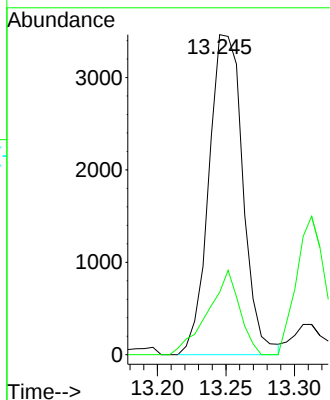
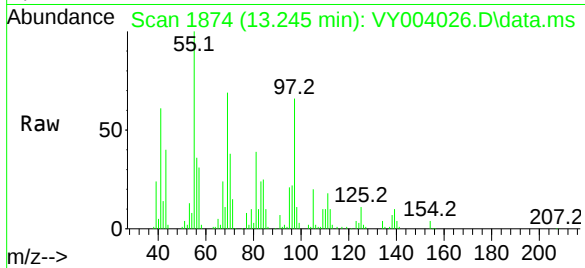




#85
 sec-Butylbenzene
 Concen: 1.53 ug/l
 RT: 13.245 min Scan# 1874
 Delta R.T. -0.006 min
 Lab File: VY004026.D
 Acq: 12 Feb 2021 16:24

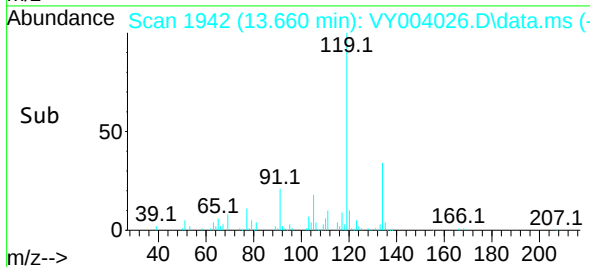
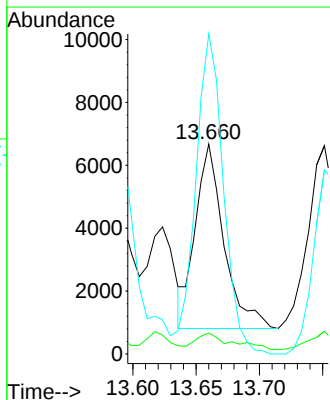
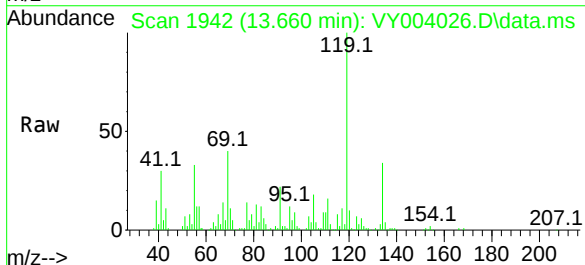
Instrument :
 MSVOA_Y
 ClientSampled :

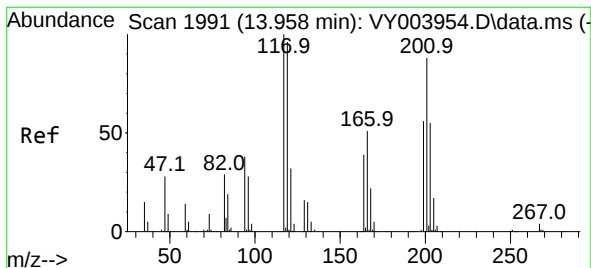
Tgt Ion:105 Resp: 5987
 Ion Ratio Lower Upper
 105 100
 134 24.5 10.2 30.6



#89
 n-Butylbenzene
 Concen: 2.75 ug/l
 RT: 13.660 min Scan# 1942
 Delta R.T. -0.036 min
 Lab File: VY004026.D
 Acq: 12 Feb 2021 16:24

Tgt Ion: 91 Resp: 9315
 Ion Ratio Lower Upper
 91 100
 92 10.8 26.4 79.2#
 134 167.8 13.2 39.5#

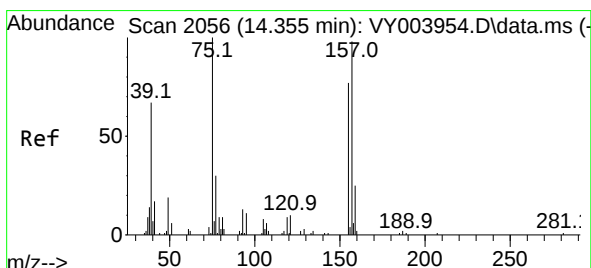
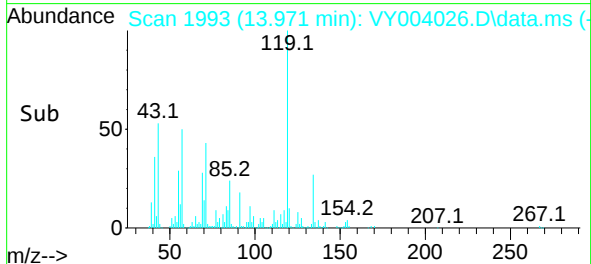
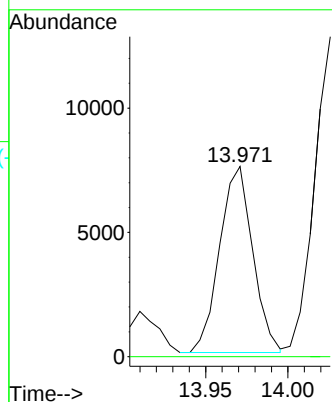
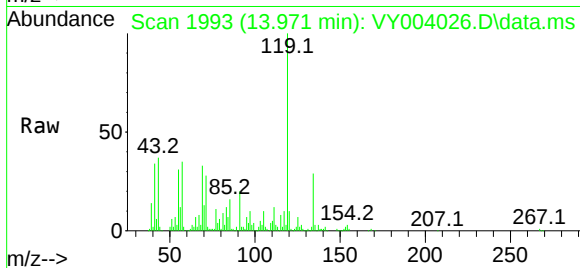




#90
Hexachloroethane
Concen: 15.71 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

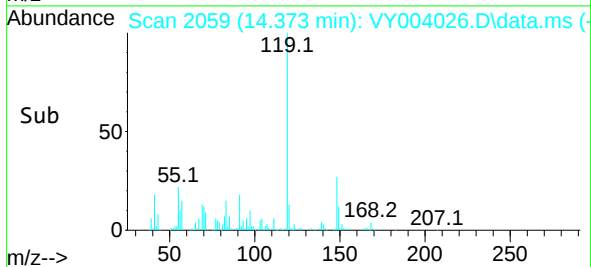
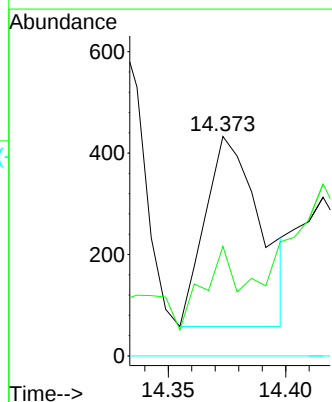
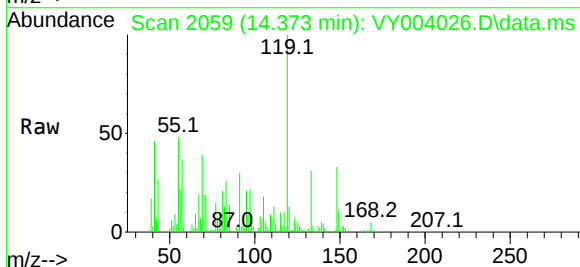
Instrument :
MSVOA_Y
ClientSampled :

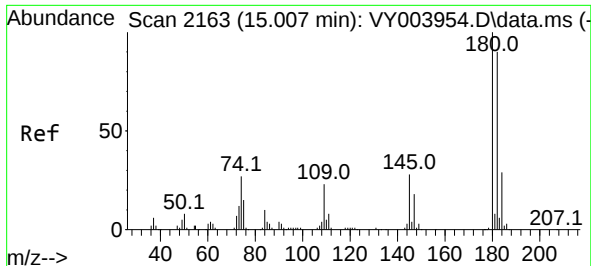
Tgt Ion:117 Resp: 10497
Ion Ratio Lower Upper
117 100
201 0.0 45.5 136.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.14 ug/l
RT: 14.373 min Scan# 2059
Delta R.T. 0.019 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

Tgt Ion: 75 Resp: 612
Ion Ratio Lower Upper
75 100
155 35.8 37.6 112.9#
157 0.0 50.4 151.2#

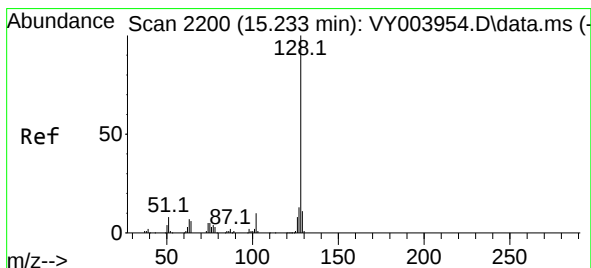
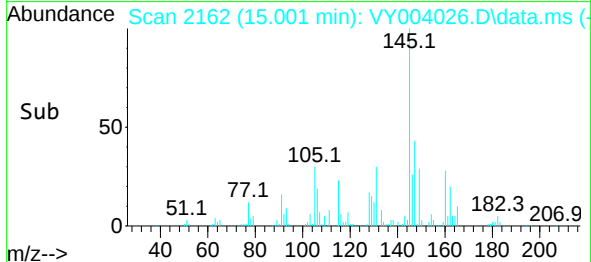
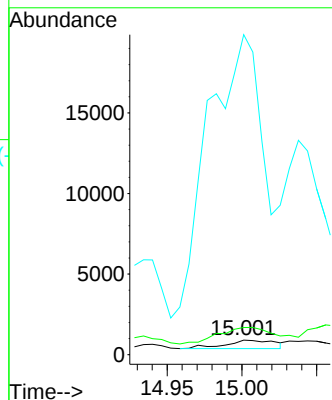
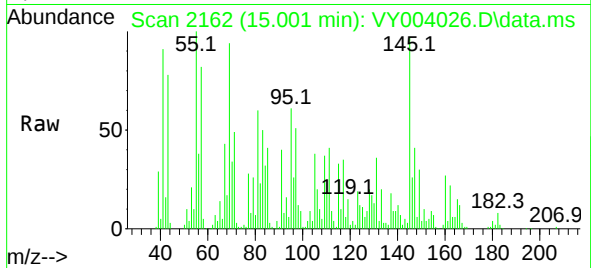




#93
1,2,4-Trichlorobenzene
Concen: 1.05 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

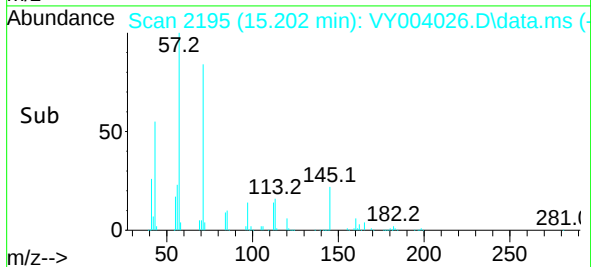
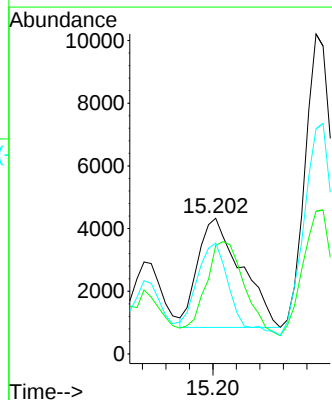
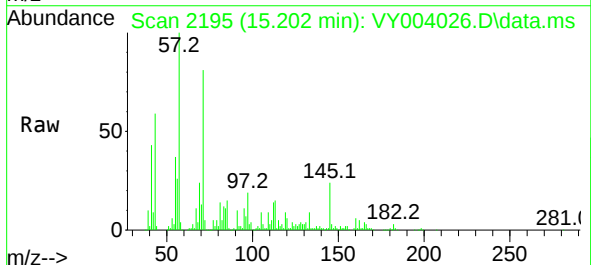
Instrument :
MSVOA_Y
ClientSampled :

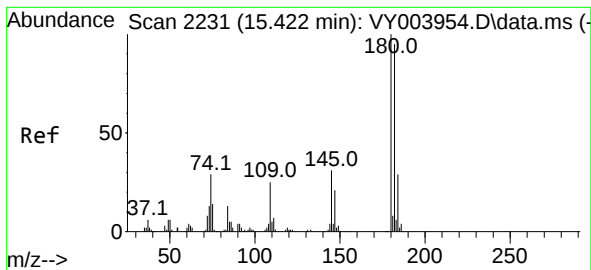
Tgt Ion:180 Resp: 1201
Ion Ratio Lower Upper
180 100
182 209.4 48.1 144.3#
145 4354.2 14.8 44.3#



#95
Naphthalene
Concen: 4.18 ug/l
RT: 15.202 min Scan# 2195
Delta R.T. -0.030 min
Lab File: VY004026.D
Acq: 12 Feb 2021 16:24

Tgt Ion:128 Resp: 8950
Ion Ratio Lower Upper
128 100
127 76.6 11.4 17.0#
129 66.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.15 ug/l
 RT: 15.440 min Scan# 2234
 Delta R.T. 0.018 min
 Lab File: VY004026.D
 Acq: 12 Feb 2021 16:24

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:180 Resp: 4079
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.7 143.1#
 145 1288.0 15.2 45.6#

