

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080621\
 Data File : VY005578.D
 Acq On : 06 Aug 2021 18:06
 Operator : SY/MD
 Sample : M3297-01
 Misc : 1.12G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 07 06:21:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

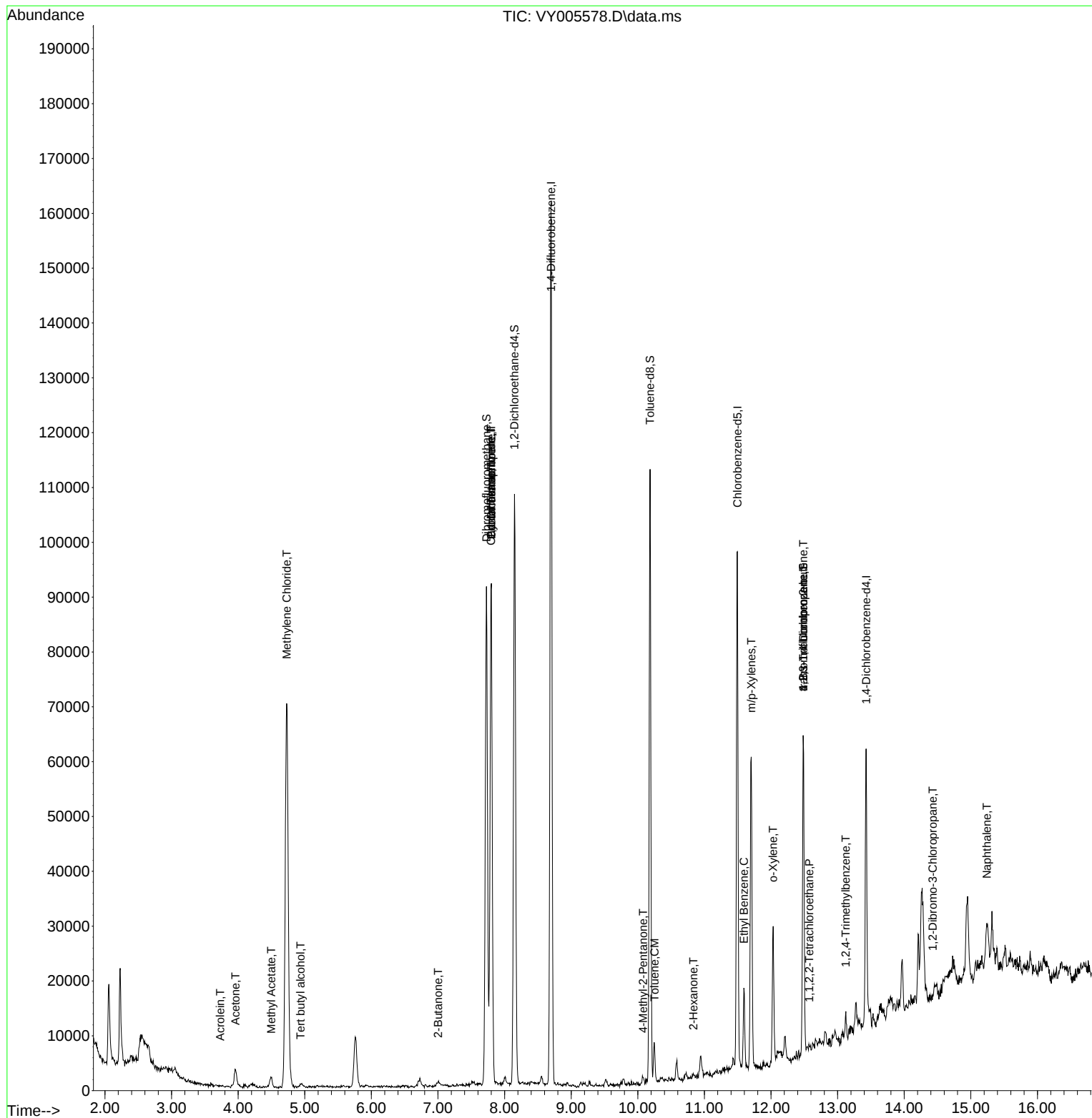
Internal Standards						
1) Pentafluorobenzene	7.801	168	74799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	137195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	51631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	12838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	87213	115.186	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 230.380%#			
35) Dibromofluoromethane	7.728	113	59877	77.952	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 155.900%#			
50) Toluene-d8	10.185	98	71892	22.317	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 44.640%#			
62) 4-Bromofluorobenzene	12.483	95	16456	15.426	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 30.860%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	370	4.943	ug/l #	73
13) Acrolein	3.729	56	59	1.306	ug/l #	14
16) Acetone	3.960	43	5533	28.984	ug/l	92
18) Methyl Acetate	4.497	43	3340	6.690	ug/l	99
20) Methylene Chloride	4.729	84	54711	75.386	ug/l	92
25) 2-Butanone	7.003	43	1162	4.118	ug/l	95
31) Cyclohexane	7.801	56	1820	1.401	ug/l #	34
36) 1,1-Dichloropropene	7.801	75	5312	4.128	ug/l #	50
38) Carbon Tetrachloride	7.795	117	6668	4.768	ug/l #	17
51) 4-Methyl-2-Pentanone	10.081	43	939	1.208	ug/l #	82
52) Toluene	10.252	92	2915	1.241	ug/l	99
59) 2-Hexanone	10.837	43	669	1.218	ug/l #	59
67) Ethyl Benzene	11.593	91	9518	5.052	ug/l	97
68) m/p-Xylenes	11.703	106	17637	24.102	ug/l	99
69) o-Xylene	12.032	106	6572	9.344	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.575	83	264	1.532	ug/l	81
76) 1,2,3-Trichloropropane	12.483	75	8655	65.056	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	8655	131.145	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.123	105	1578	2.150	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.428	75	40	1.224	ug/l #	1
95) Naphthalene	15.239	128	1618	3.149	ug/l #	76

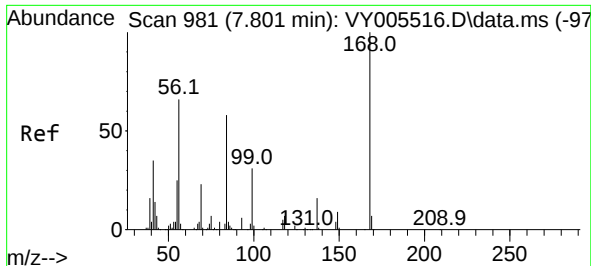
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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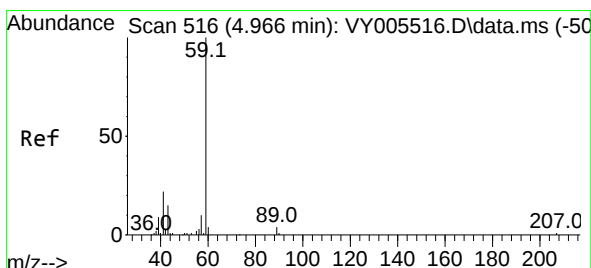
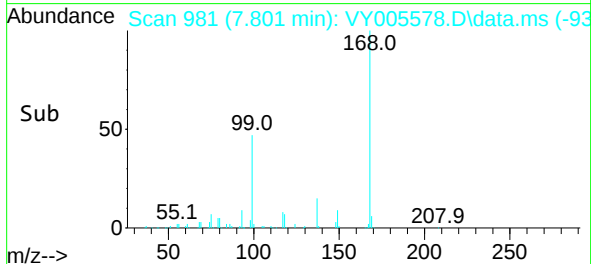
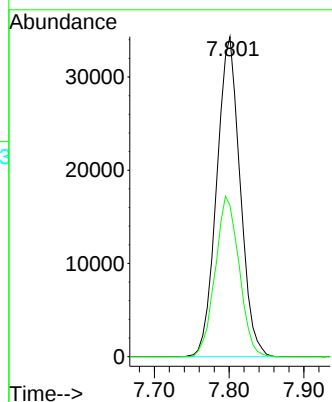
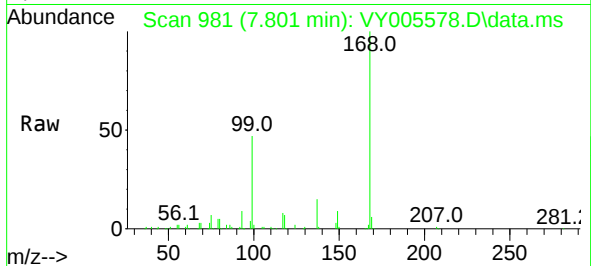




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

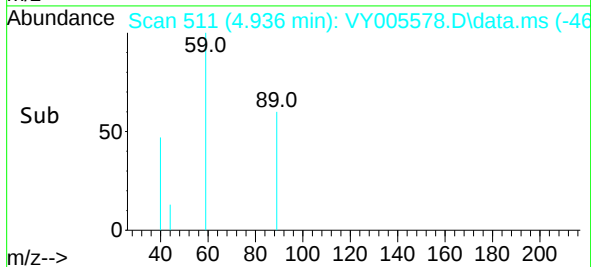
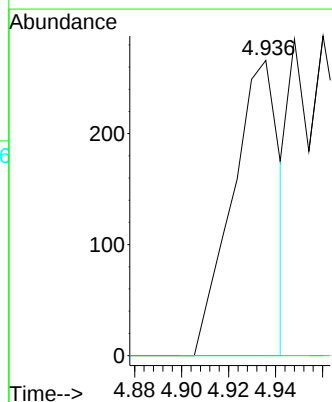
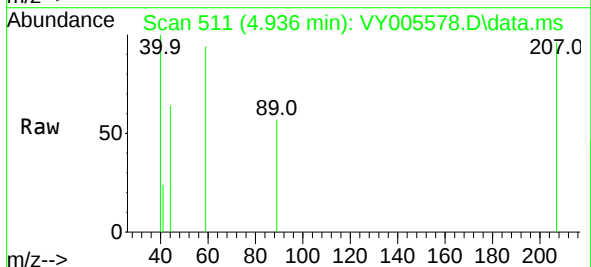
Instrument :
MSVOA_Y
ClientSampled :

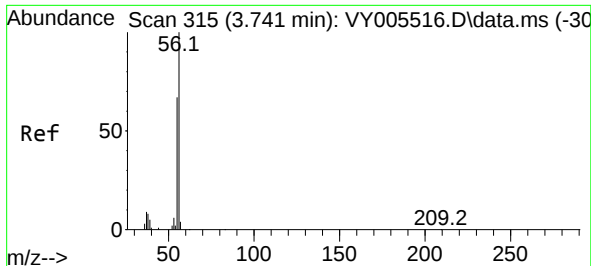
Tgt Ion:168 Resp: 74799
Ion Ratio Lower Upper
168 100
99 47.3 38.9 58.3



#11
Tert butyl alcohol
Concen: 4.943 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

Tgt Ion: 59 Resp: 370
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

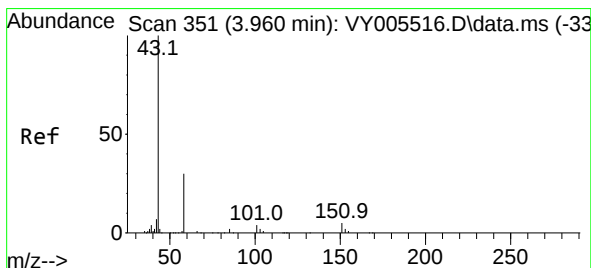
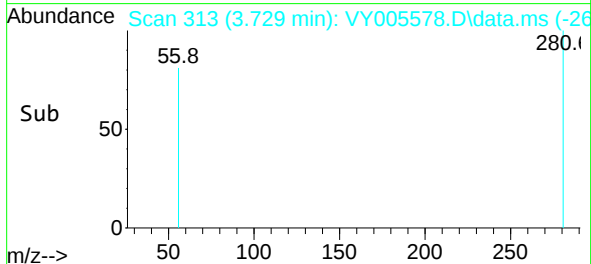
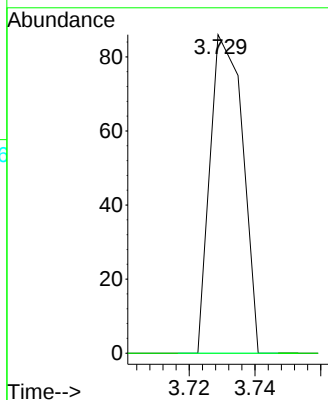
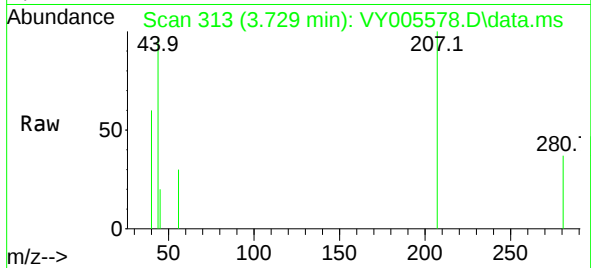




#13
Acrolein
Concen: 1.306 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.012 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

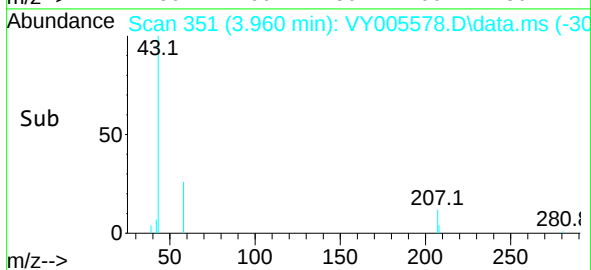
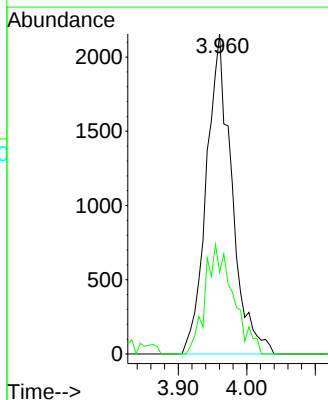
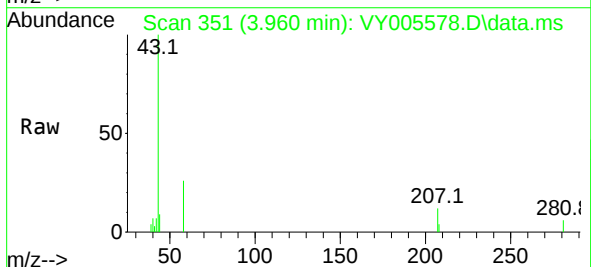
Instrument :
MSVOA_Y
ClientSampled :

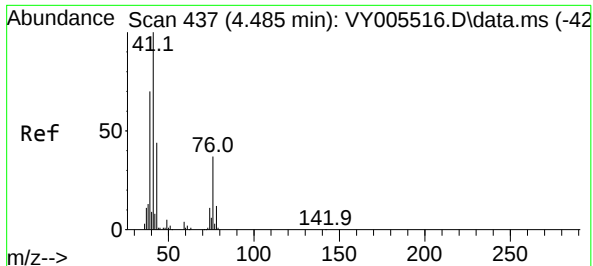
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#16
Acetone
Concen: 28.984 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

Tgt Ion: 43 Resp: 5533
Ion Ratio Lower Upper
43 100
58 25.6 23.8 35.6





#18

Methyl Acetate

Concen: 6.690 ug/l

RT: 4.497 min Scan# 439

Delta R.T. 0.012 min

Lab File: VY005578.D

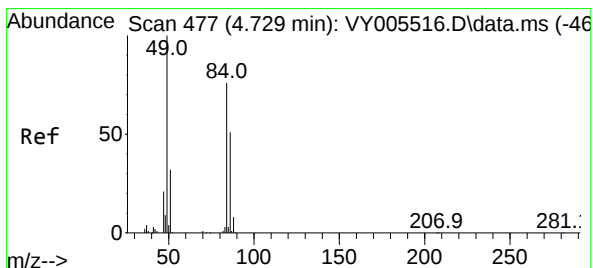
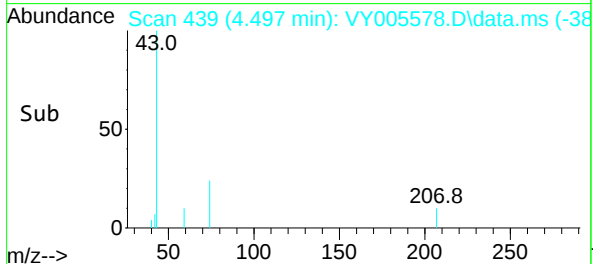
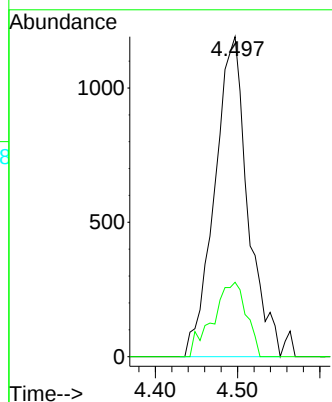
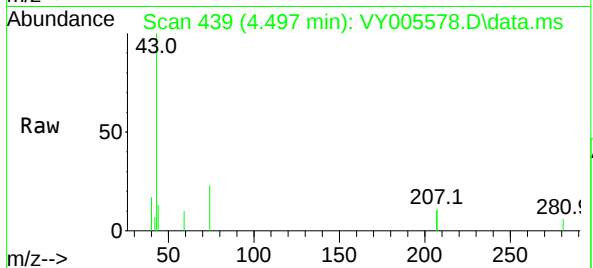
Acq: 06 Aug 2021 18:06

Tgt Ion: 43 Resp: 3340

Ion Ratio Lower Upper

43 100

74 23.4 19.0 28.6



#20

Methylene Chloride

Concen: 75.386 ug/l

RT: 4.729 min Scan# 477

Delta R.T. -0.000 min

Lab File: VY005578.D

Acq: 06 Aug 2021 18:06

Tgt Ion: 84 Resp: 54711

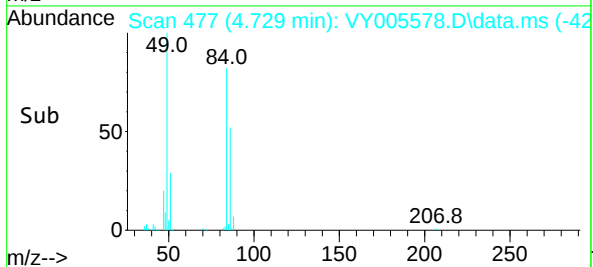
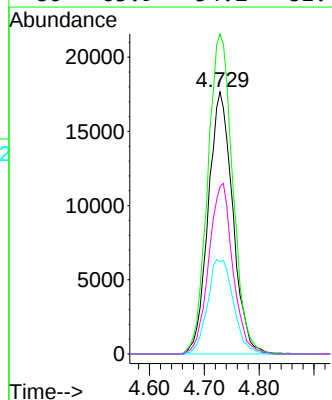
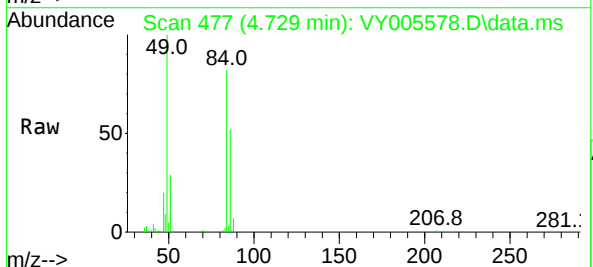
Ion Ratio Lower Upper

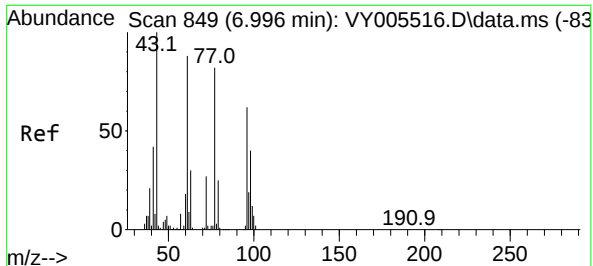
84 100

49 122.1 105.8 158.6

51 35.2 33.4 50.2

86 63.9 54.2 81.4





#25

2-Butanone

Concen: 4.118 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.006 min

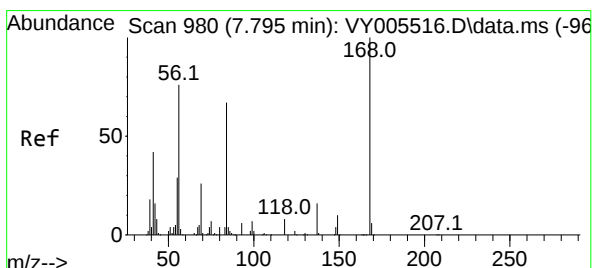
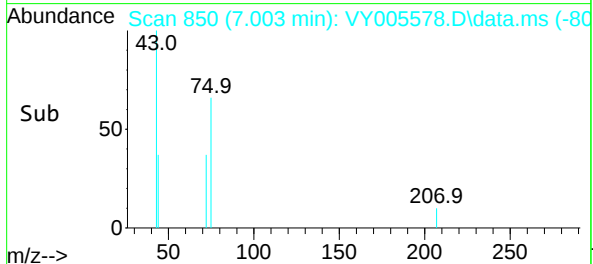
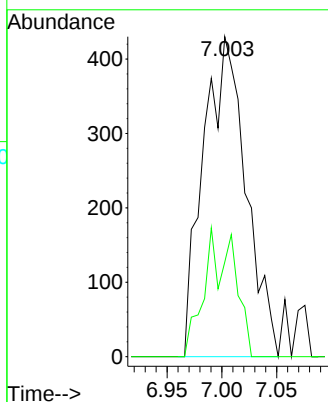
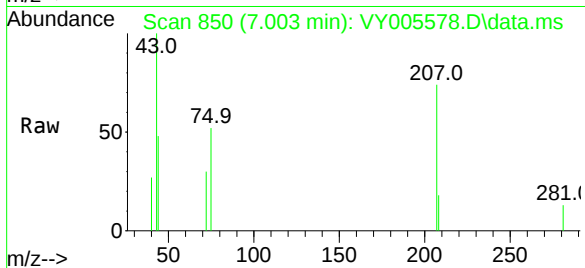
Lab File: VY005578.D

Acq: 06 Aug 2021 18:06

Tgt Ion: 43 Resp: 1162

Ion Ratio Lower Upper

43	100		
72	29.5	21.4	32.2



#31

Cyclohexane

Concen: 1.401 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

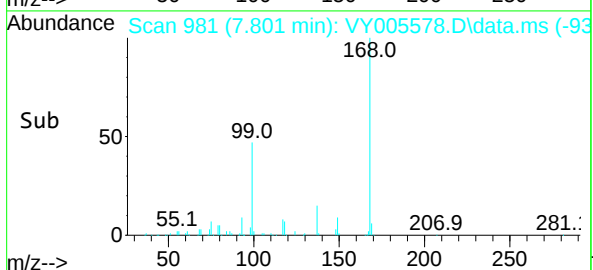
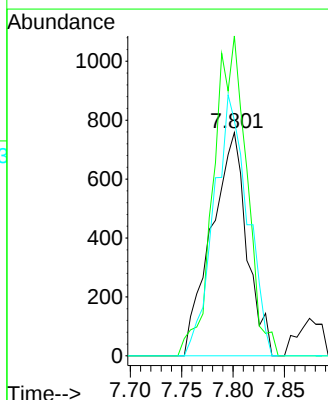
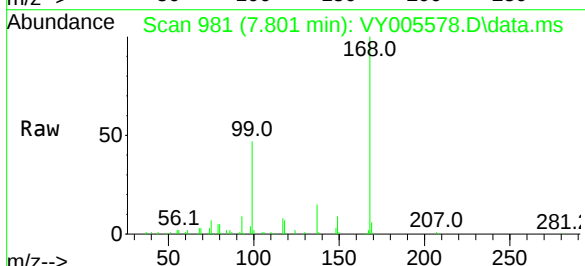
Lab File: VY005578.D

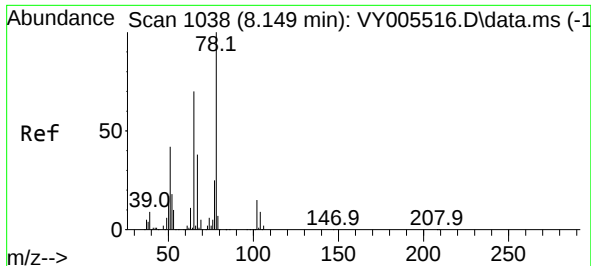
Acq: 06 Aug 2021 18:06

Tgt Ion: 56 Resp: 1820

Ion Ratio Lower Upper

56	100		
69	143.3	27.7	41.5#
84	105.4	70.9	106.3





#33

1,2-Dichloroethane-d4

Concen: 115.186 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY005578.D

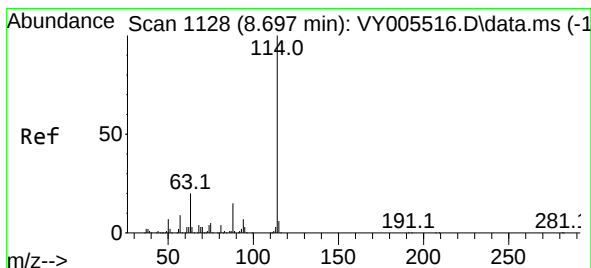
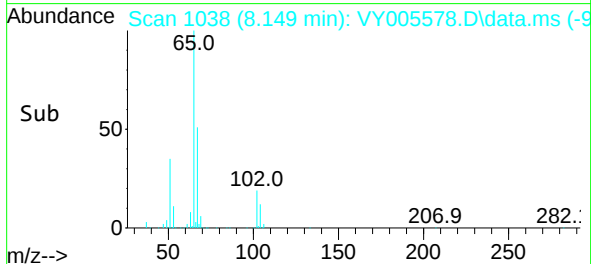
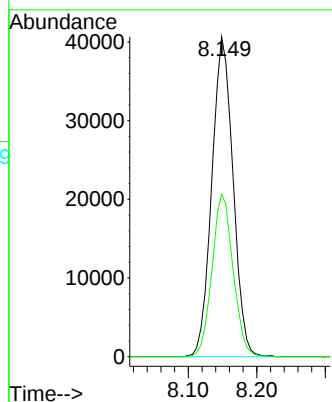
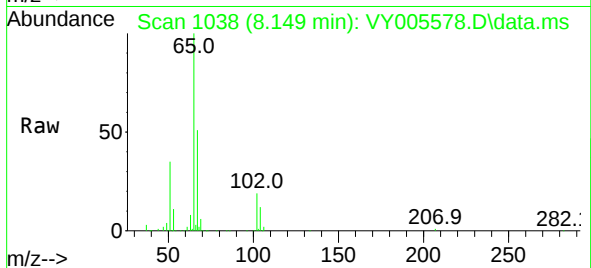
Acq: 06 Aug 2021 18:06

Tgt Ion: 65 Resp: 87213

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY005578.D

Acq: 06 Aug 2021 18:06

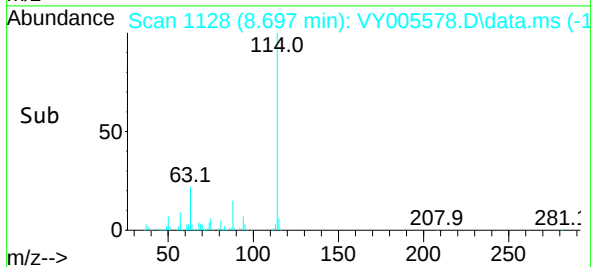
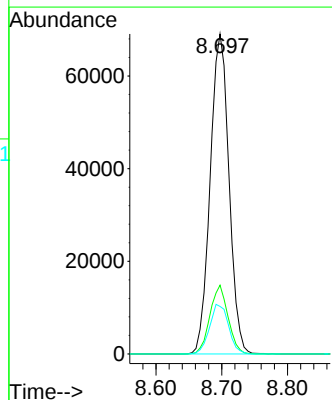
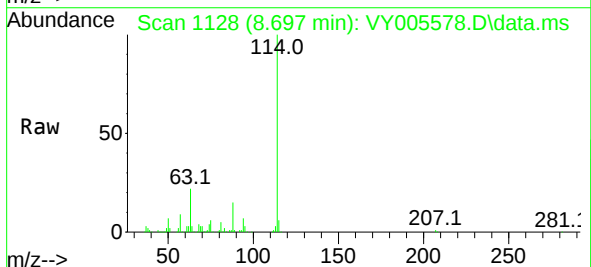
Tgt Ion: 114 Resp: 137195

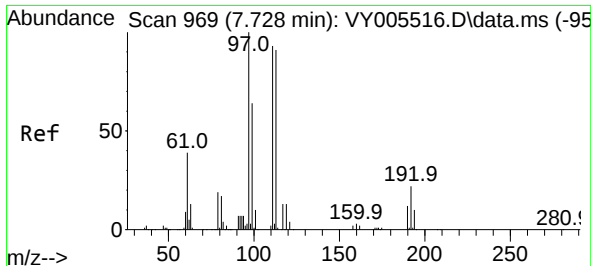
Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.2

88 14.9 0.0 30.8





#35

Dibromofluoromethane

Concen: 77.952 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY005578.D

Acq: 06 Aug 2021 18:06

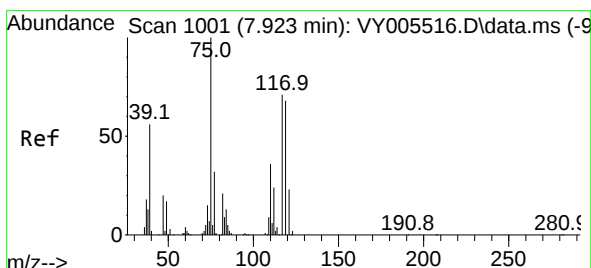
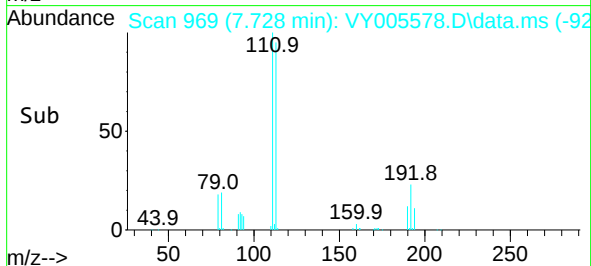
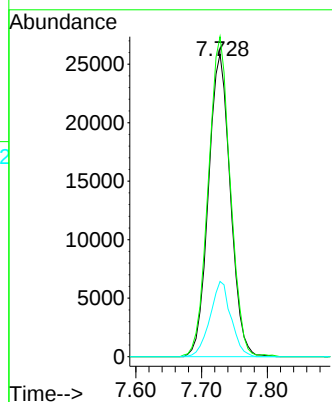
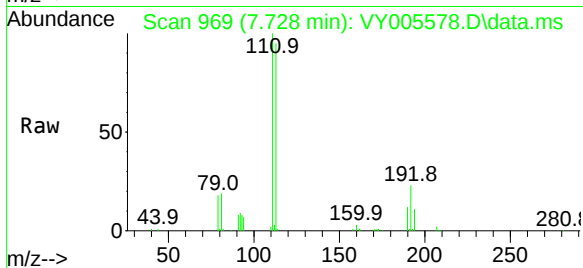
Tgt Ion:113 Resp: 59877

Ion Ratio Lower Upper

113 100

111 105.8 81.9 122.9

192 23.8 19.2 28.8



#36

1,1-Dichloropropene

Concen: 4.128 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY005578.D

Acq: 06 Aug 2021 18:06

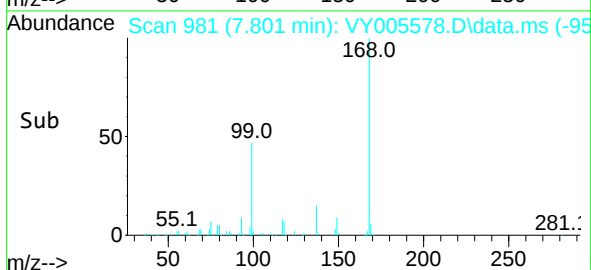
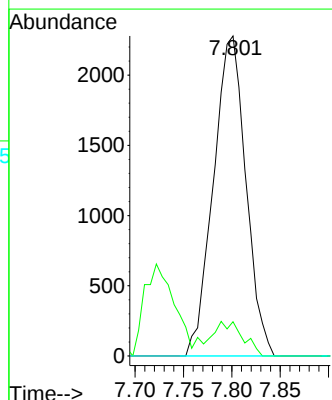
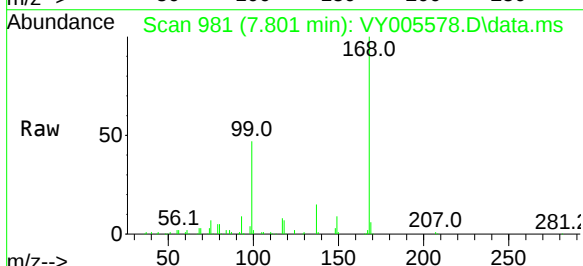
Tgt Ion: 75 Resp: 5312

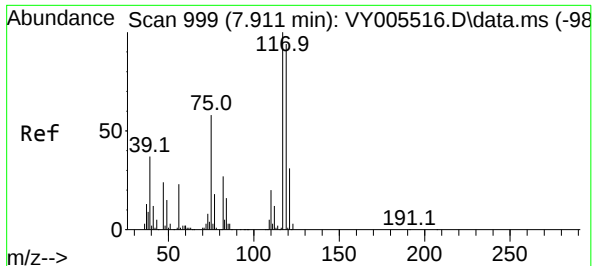
Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

77 0.0 25.1 37.7#

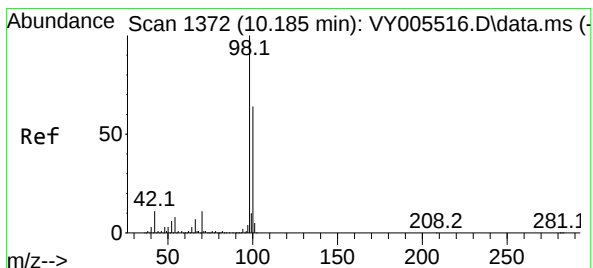
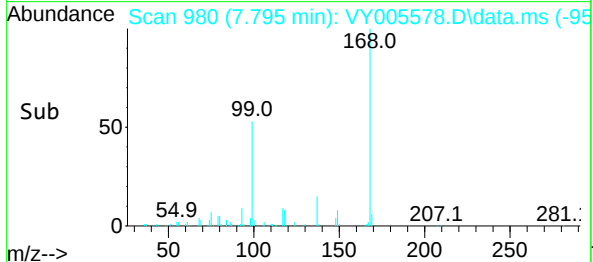
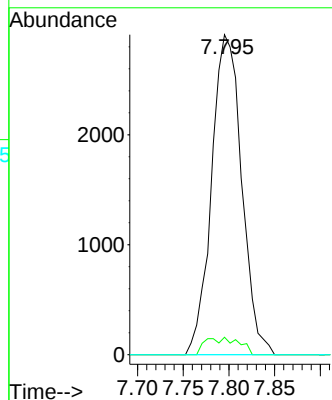
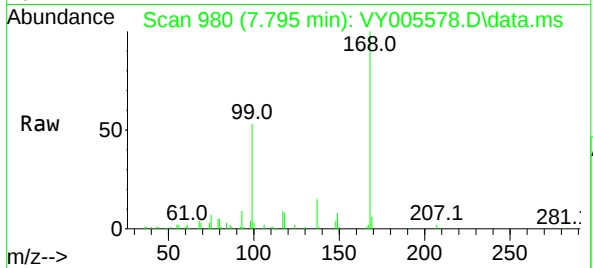




#38
Carbon Tetrachloride
Concen: 4.768 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

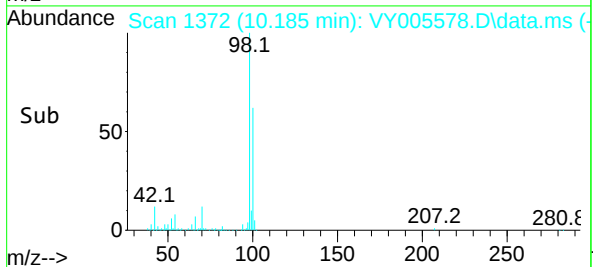
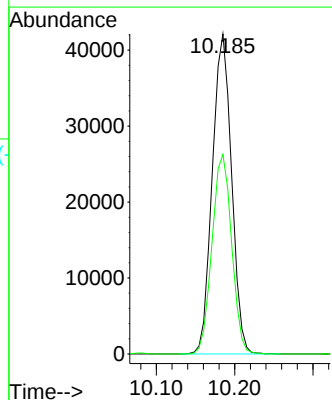
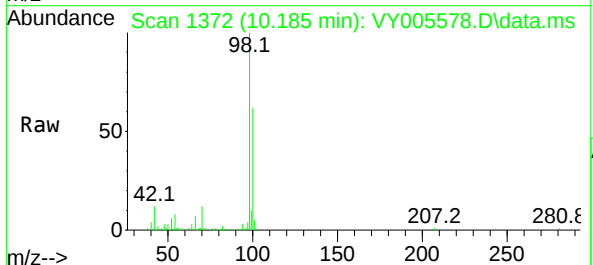
Instrument :
MSVOA_Y
ClientSampleId :

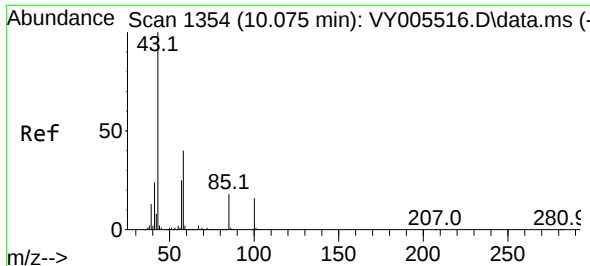
Tgt Ion:117 Resp: 6668
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.0#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 22.317 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

Tgt Ion: 98 Resp: 71892
Ion Ratio Lower Upper
98 100
100 63.5 51.3 76.9

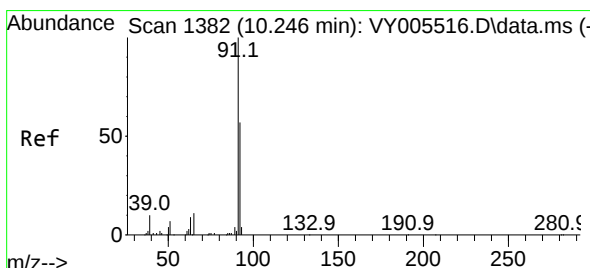
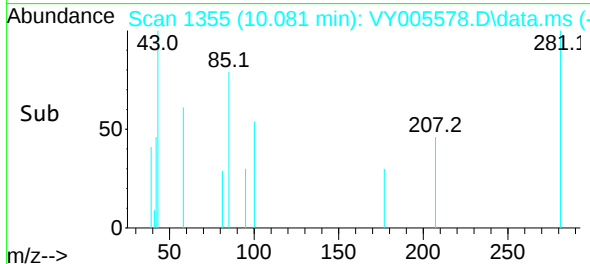
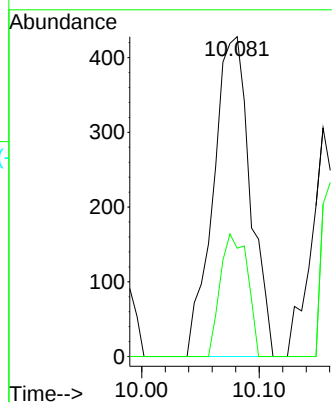
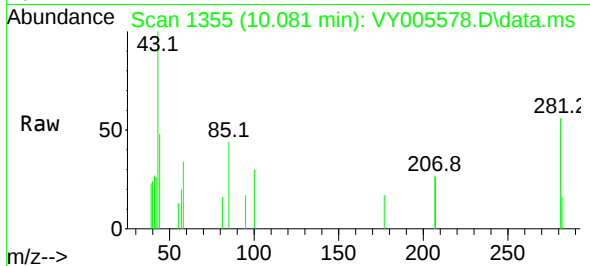




#51
4-Methyl-2-Pentanone
Concen: 1.208 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

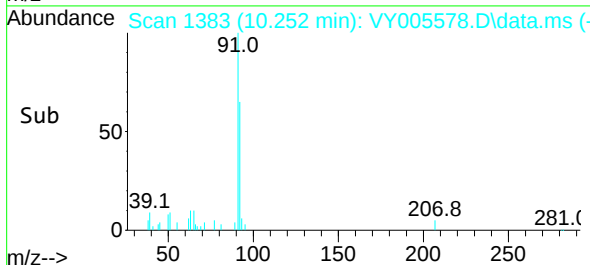
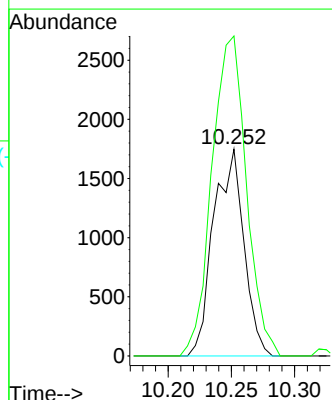
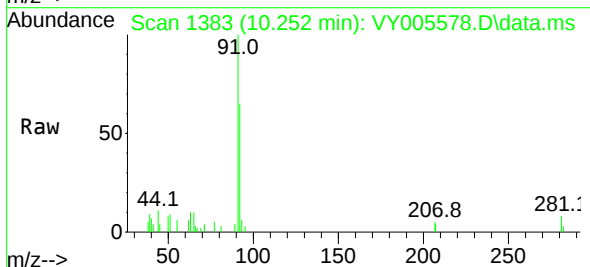
Instrument :
MSVOA_Y
ClientSampled :

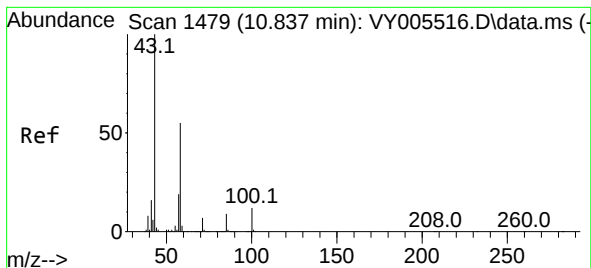
Tgt Ion: 43 Resp: 939
Ion Ratio Lower Upper
43 100
58 28.0 31.4 47.2#



#52
Toluene
Concen: 1.241 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

Tgt Ion: 92 Resp: 2915
Ion Ratio Lower Upper
92 100
91 175.7 139.6 209.4

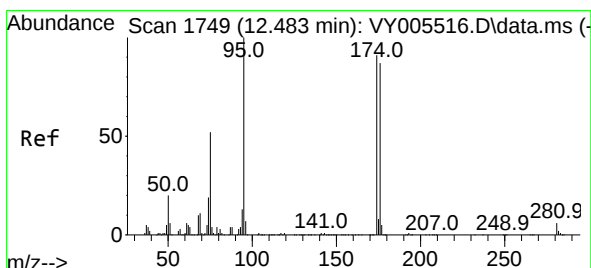
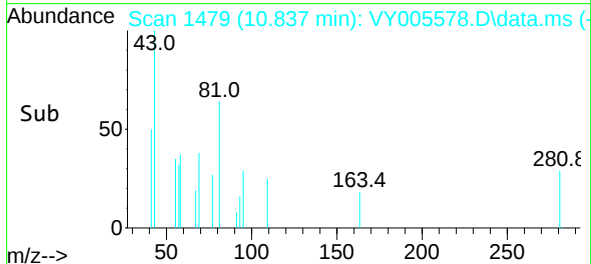
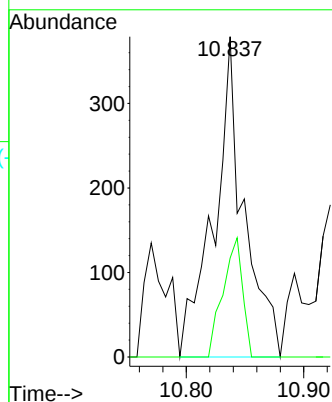
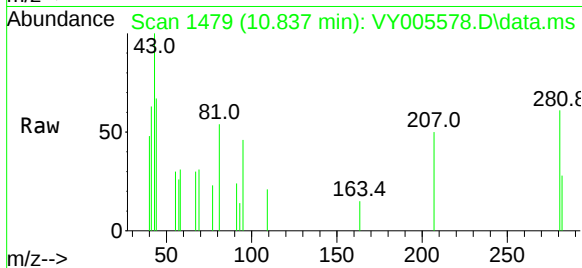




#59
2-Hexanone
Concen: 1.218 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

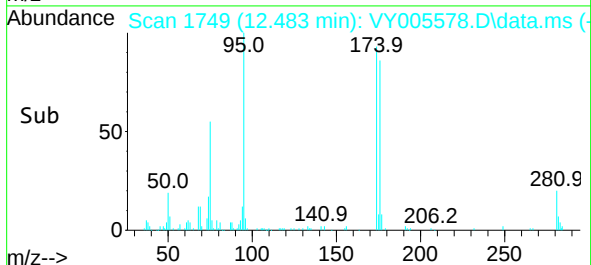
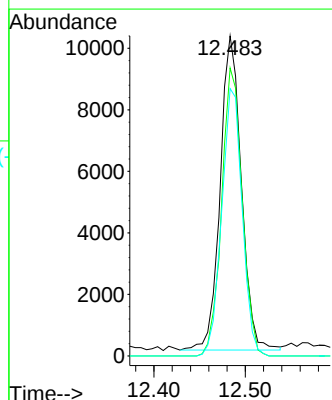
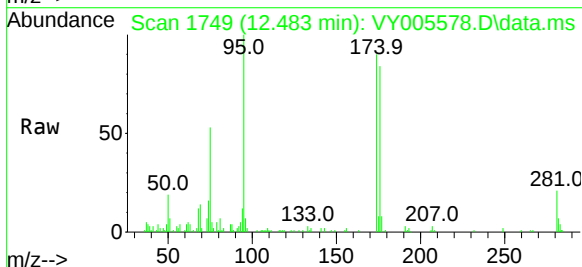
Instrument :
MSVOA_Y
ClientSampleId :

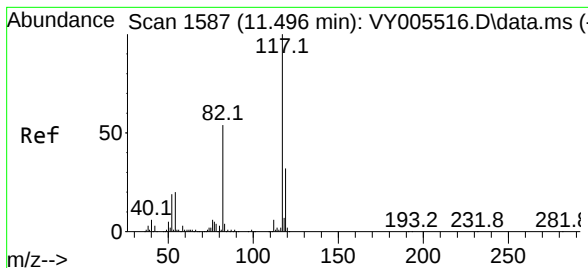
Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
58 24.4 27.1 81.2#



#62
4-Bromofluorobenzene
Concen: 15.426 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

Tgt Ion: 95 Resp: 16456
Ion Ratio Lower Upper
95 100
174 88.6 0.0 191.4
176 82.3 0.0 183.6

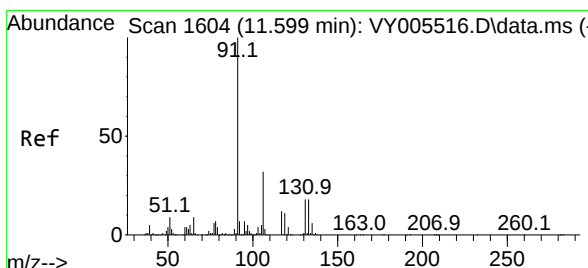
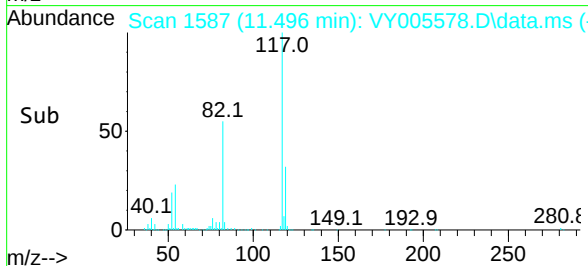
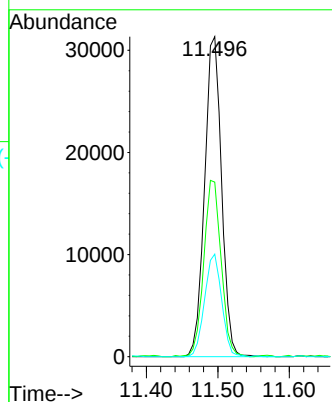
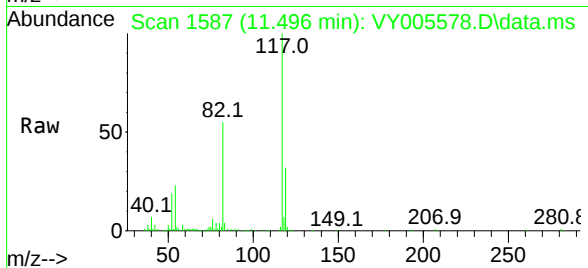




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

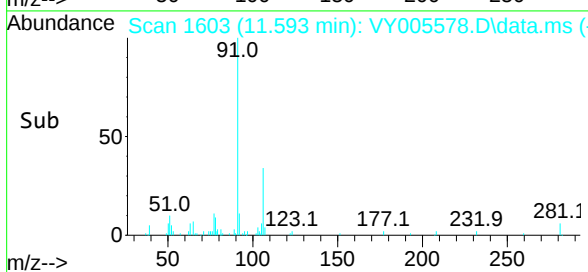
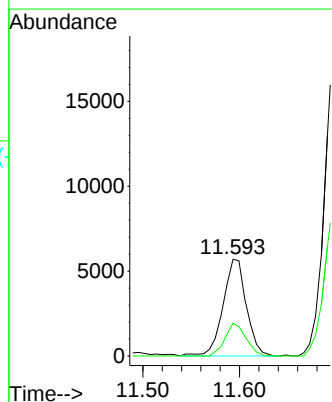
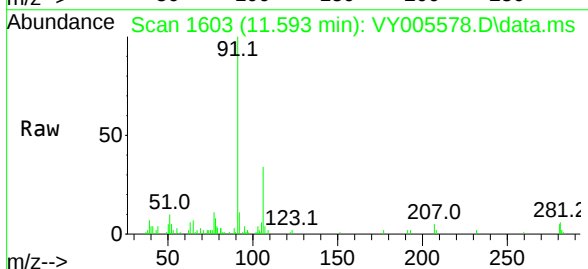
Instrument :
MSVOA_Y
ClientSampleId :

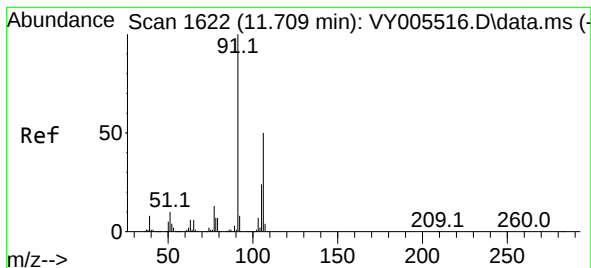
Tgt Ion:	117	Resp:	51631
Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.5	65.3
119	32.0	25.5	38.3



#67
Ethyl Benzene
Concen: 5.052 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

Tgt Ion:	91	Resp:	9518
Ion	Ratio	Lower	Upper
91	100		
106	33.8	25.8	38.6

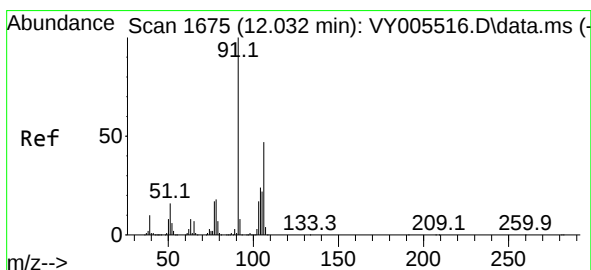
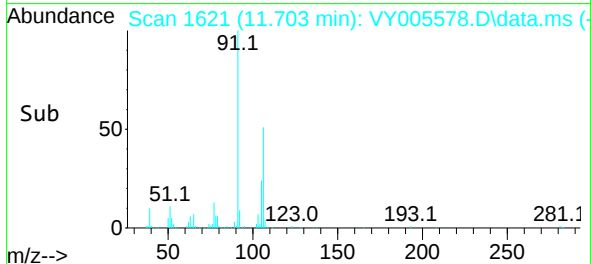
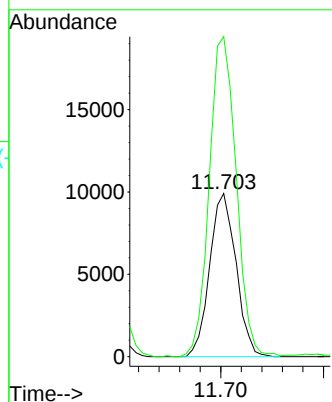
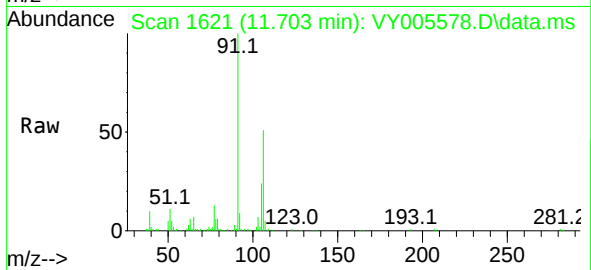




#68
m/p-Xylenes
Concen: 24.102 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

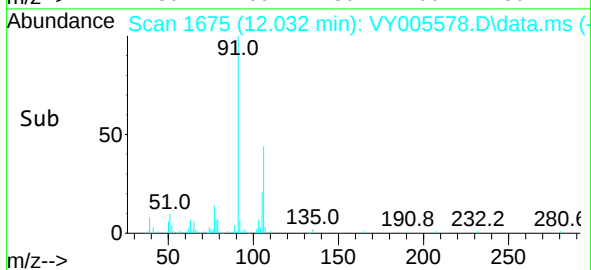
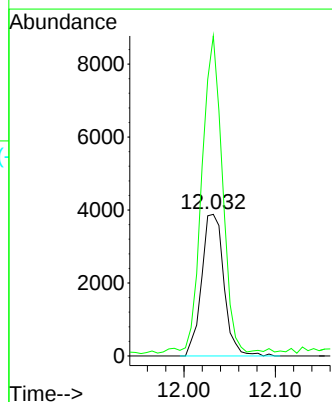
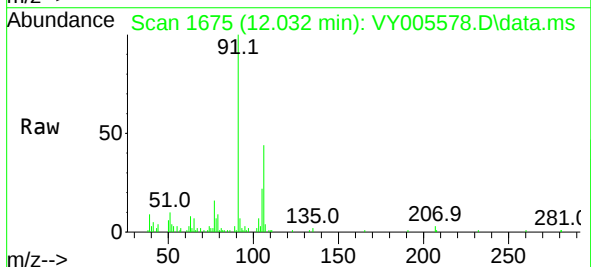
Instrument :
MSVOA_Y
ClientSampleId :

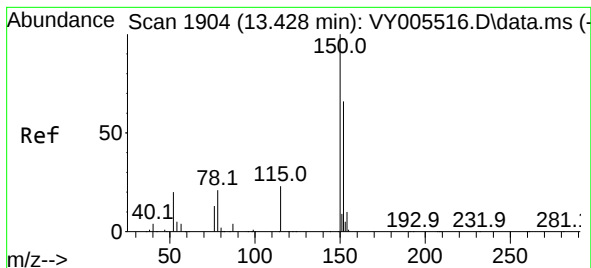
Tgt Ion:106 Resp: 17637
Ion Ratio Lower Upper
106 100
91 200.9 159.6 239.4



#69
o-Xylene
Concen: 9.344 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

Tgt Ion:106 Resp: 6572
Ion Ratio Lower Upper
106 100
91 206.4 106.2 318.6

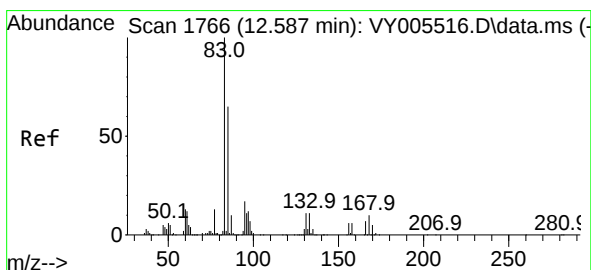
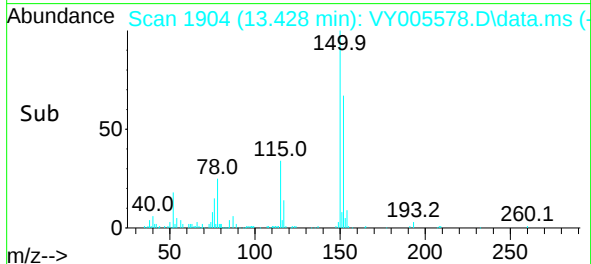
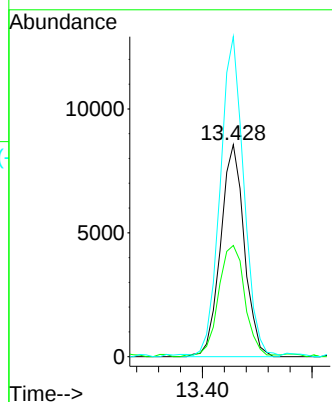
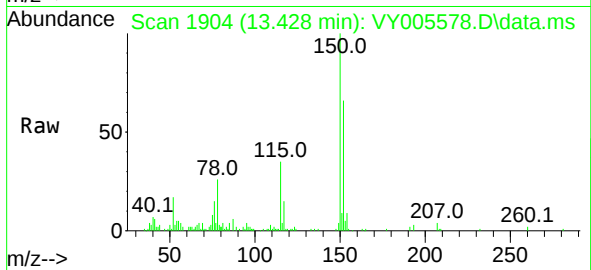




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

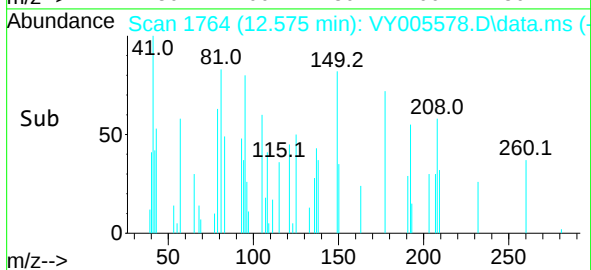
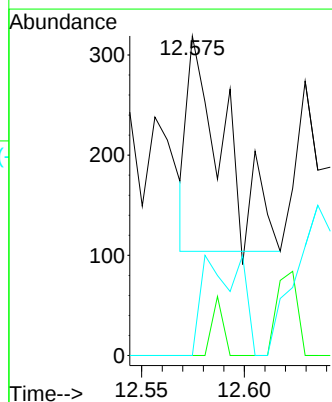
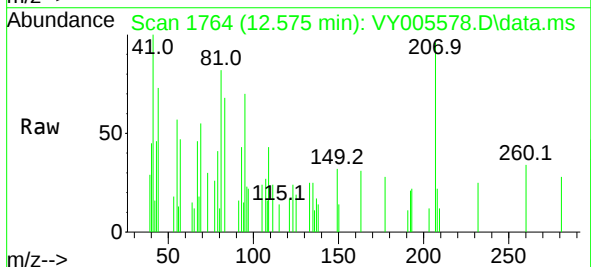
Instrument :
MSVOA_Y
ClientSampleId :

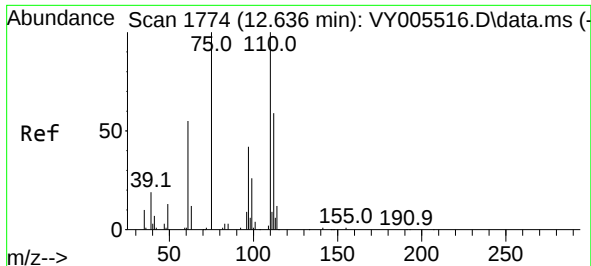
Tgt Ion:152 Resp: 12838
Ion Ratio Lower Upper
152 100
115 58.7 27.3 81.9
150 152.0 0.0 350.2



#75
1,1,2,2-Tetrachloroethane
Concen: 1.532 ug/l
RT: 12.575 min Scan# 1764
Delta R.T. -0.012 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

Tgt Ion: 83 Resp: 264
Ion Ratio Lower Upper
83 100
131 8.3 5.6 16.8
85 47.7 32.0 96.2

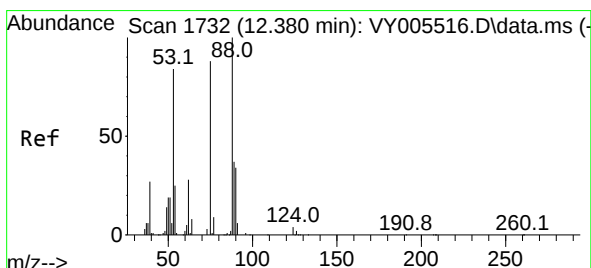
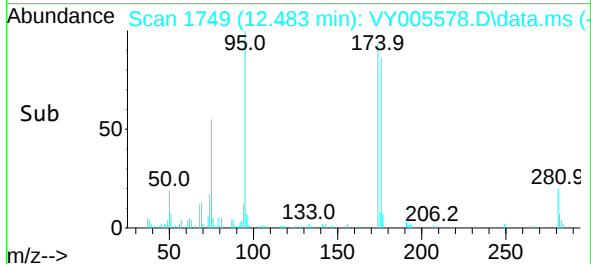
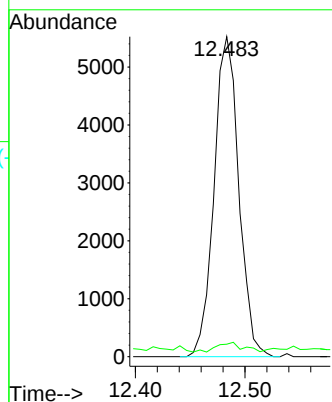
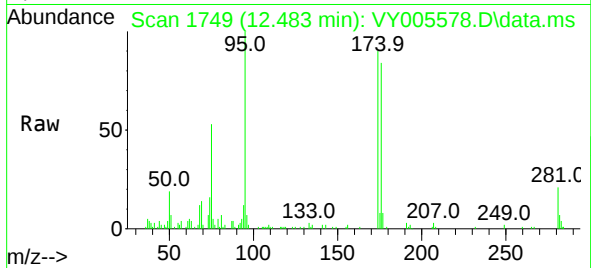




#76
1,2,3-Trichloropropane
Concen: 65.056 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

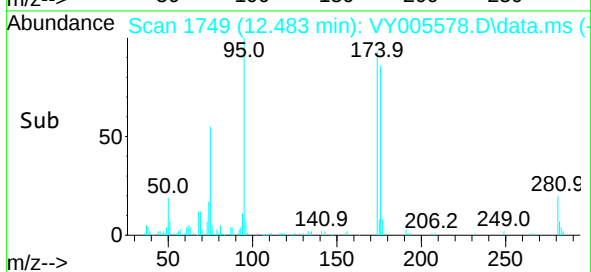
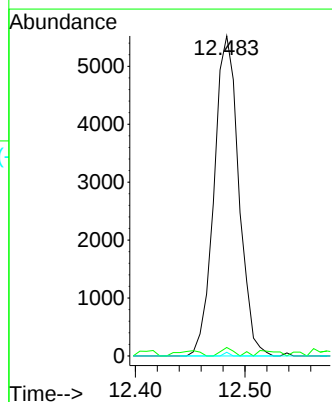
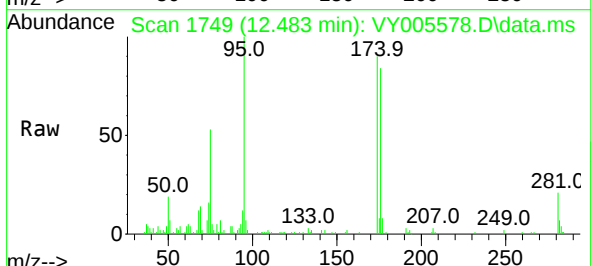
Instrument :
MSVOA_Y
ClientSampleId :

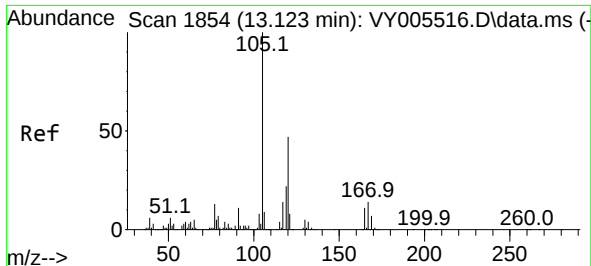
Tgt Ion: 75 Resp: 8655
Ion Ratio Lower Upper
75 100
77 3.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.145 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

Tgt Ion: 75 Resp: 8655
Ion Ratio Lower Upper
75 100
53 1.3 76.7 115.1#
89 0.3 38.4 57.6#

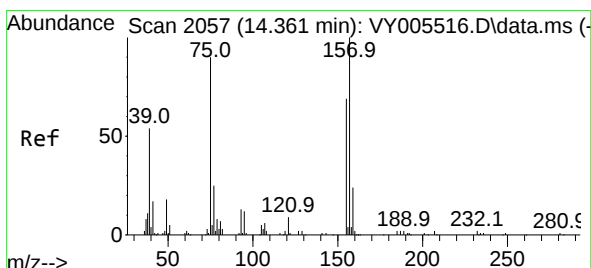
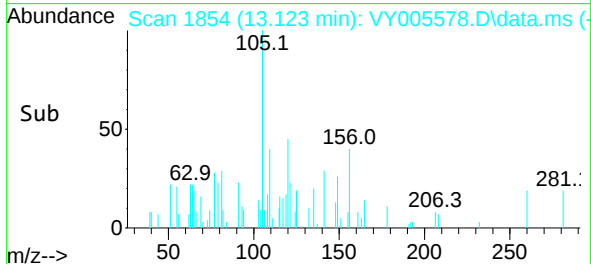
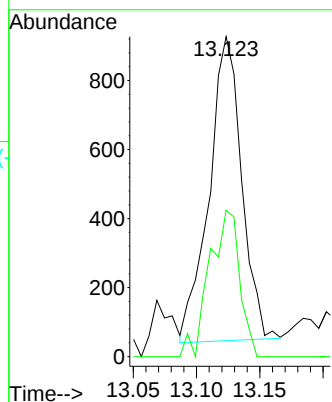
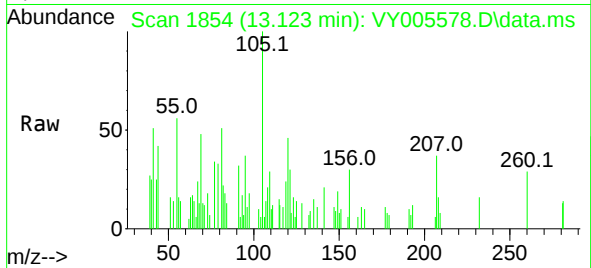




#84
1,2,4-Trimethylbenzene
Concen: 2.150 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

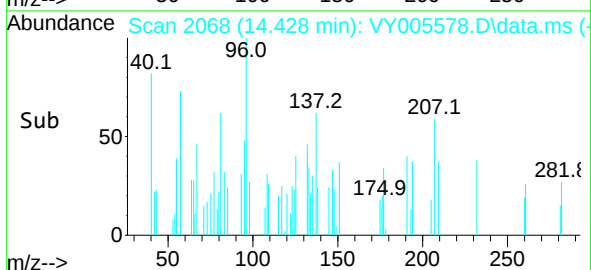
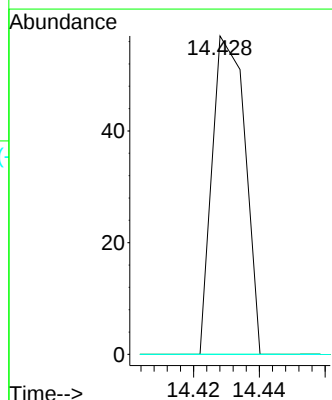
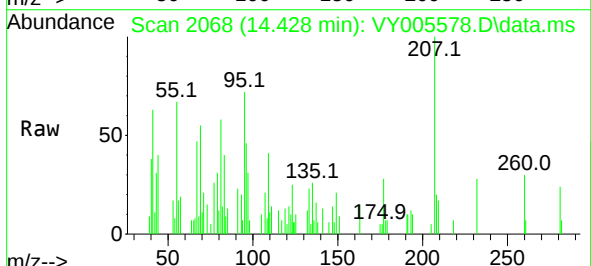
Instrument :
MSVOA_Y
ClientSampled :

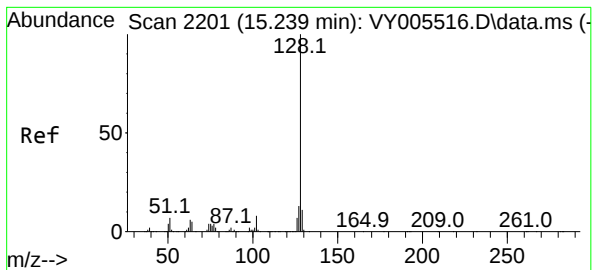
Tgt Ion:105 Resp: 1578
Ion Ratio Lower Upper
105 100
120 44.6 22.9 68.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.224 ug/l
RT: 14.428 min Scan# 2068
Delta R.T. 0.067 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

Tgt Ion: 75 Resp: 40
Ion Ratio Lower Upper
75 100
155 0.0 42.4 127.1#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 3.149 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005578.D
Acq: 06 Aug 2021 18:06

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 1618
Ion Ratio Lower Upper
128 100
127 21.2 10.6 15.8#
129 0.0 8.7 13.1#

