

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004438.D
 Acq On : 15 Apr 2021 14:11
 Operator : SY/MD
 Sample : M2040-05
 Misc : 5.66G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 16 05:03:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

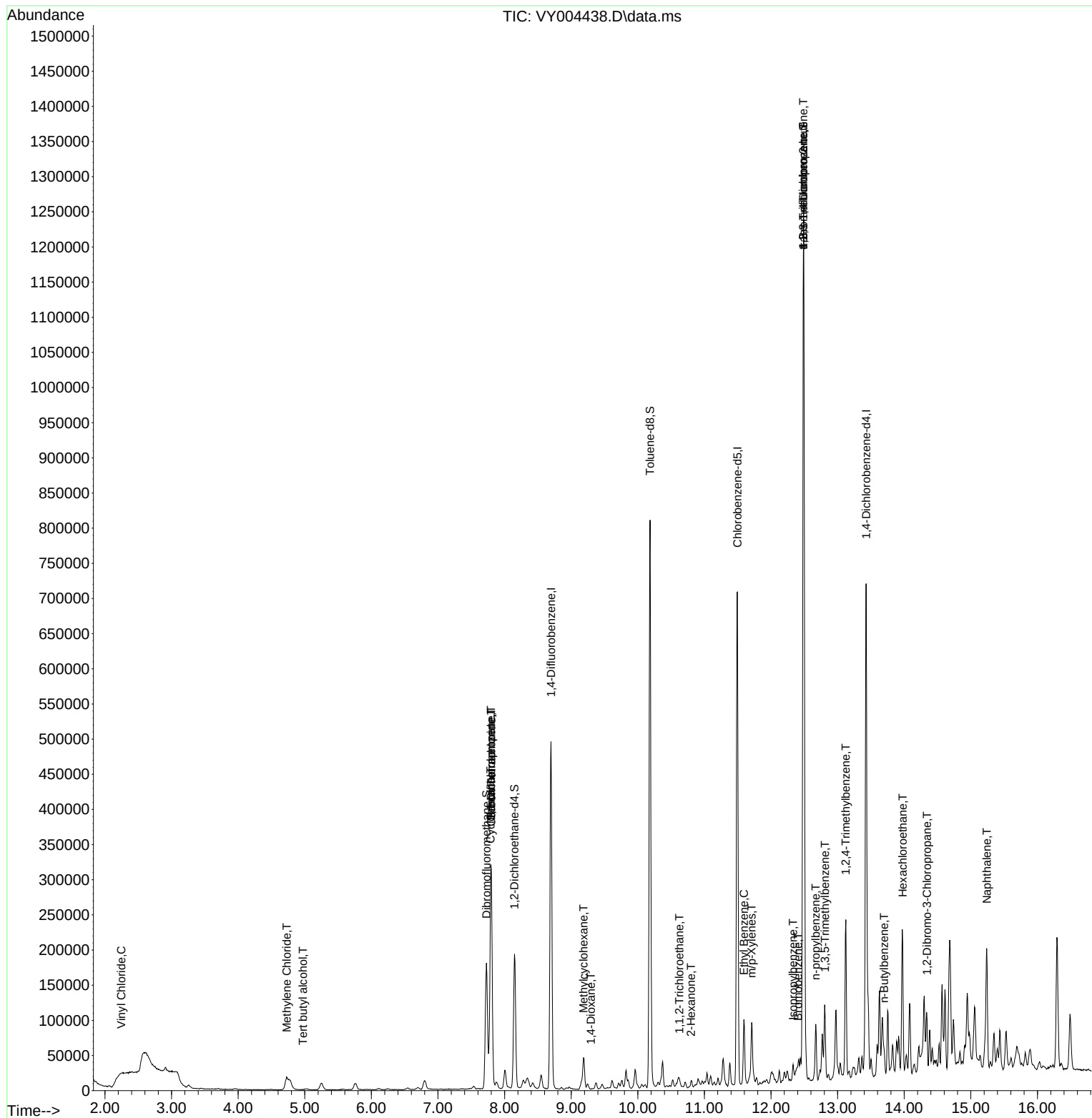
Internal Standards						
1) Pentafluorobenzene	7.795	168	238440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	411468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	384286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	170031	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	149547	56.45	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.90%			
35) Dibromofluoromethane	7.728	113	124285	54.43	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.86%			
50) Toluene-d8	10.185	98	499944	51.47	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.94%			
62) 4-Bromofluorobenzene	12.483	95	179946	54.59	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.18%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.247	62	18575	5.51	ug/l #	43
11) Tert butyl alcohol	4.972	59	334	1.28	ug/l #	73
16) Acetone	3.966	43	2015	Below Cal	#	76
20) Methylene Chloride	4.728	84	10684	4.18	ug/l	93
31) Cyclohexane	7.789	56	12574	2.59	ug/l #	61
36) 1,1-Dichloropropene	7.795	75	18814	4.60	ug/l #	51
38) Carbon Tetrachloride	7.801	117	23885	6.76	ug/l #	16
39) Methylcyclohexane	9.185	83	17719	3.52	ug/l	95
49) 1,4-Dioxane	9.294	88	22	1.04	ug/l #	22
55) 1,1,2-Trichloroethane	10.624	97	4271	1.92	ug/l #	21
59) 2-Hexanone	10.800	43	3943	2.29	ug/l #	30
67) Ethyl Benzene	11.593	91	58555	3.99	ug/l	97
68) m/p-Xylenes	11.709	106	12339	2.26	ug/l	96
73) Isopropylbenzene	12.331	105	13377	1.02	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	102113	55.95	ug/l #	100
77) Bromobenzene	12.404	156	3908	1.33	ug/l #	1
78) n-propylbenzene	12.672	91	57668	3.72	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	14074	1.32	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	102113	100.10	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	113019	10.49	ug/l	100
89) n-Butylbenzene	13.696	91	24546	2.22	ug/l #	74
90) Hexachloroethane	13.977	117	7888	5.07	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.342	75	520	1.17	ug/l #	4
95) Naphthalene	15.239	128	128969	18.38	ug/l	99

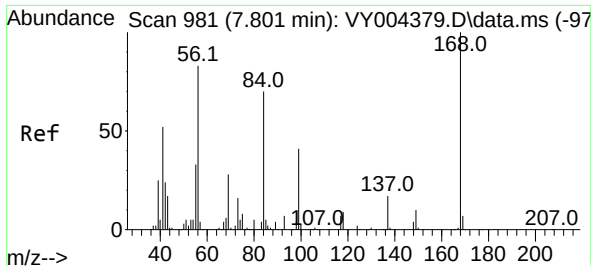
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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Quant Time: Apr 16 05:03:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
Response via : Initial Calibration

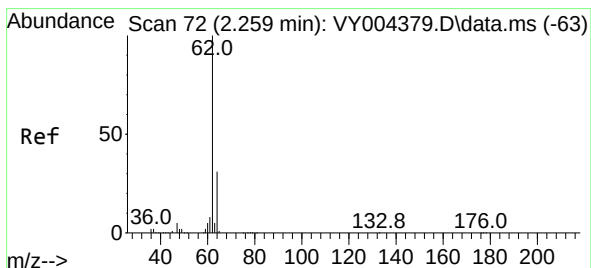
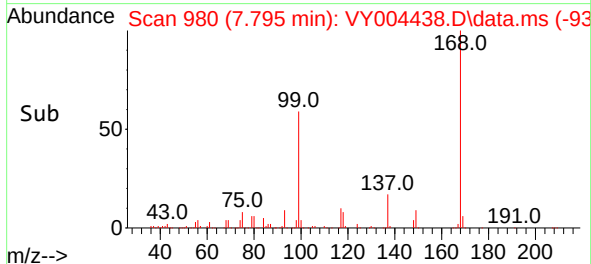
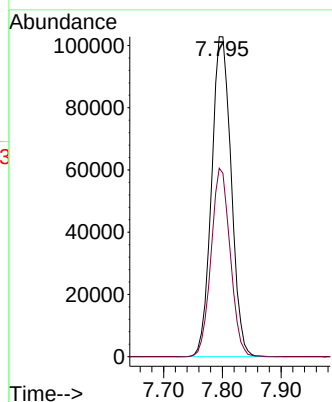
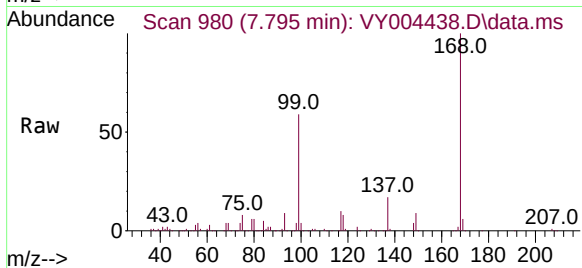




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

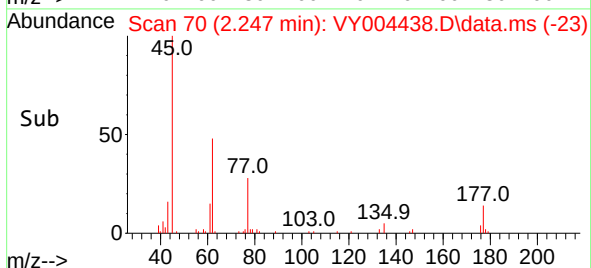
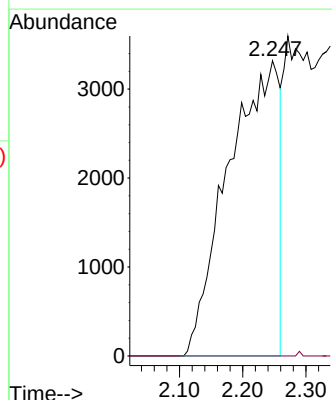
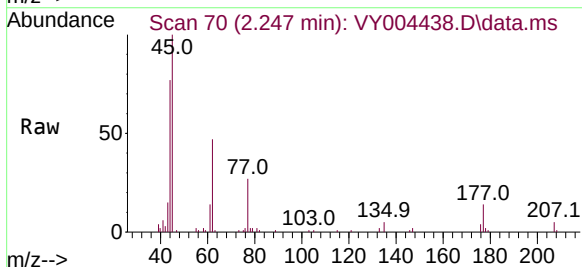
Instrument :
MSVOA_Y
ClientSampleId :

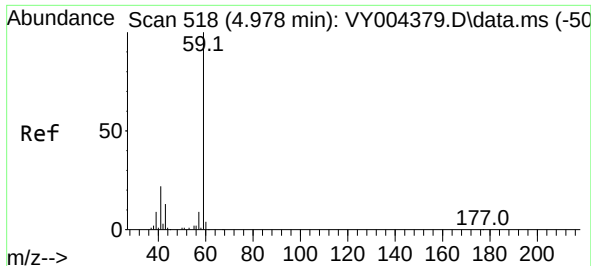
Tgt Ion:168 Resp: 238440
Ion Ratio Lower Upper
168 100
99 58.9 45.5 68.3



#4
Vinyl Chloride
Concen: 5.51 ug/l
RT: 2.247 min Scan# 70
Delta R.T. -0.012 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

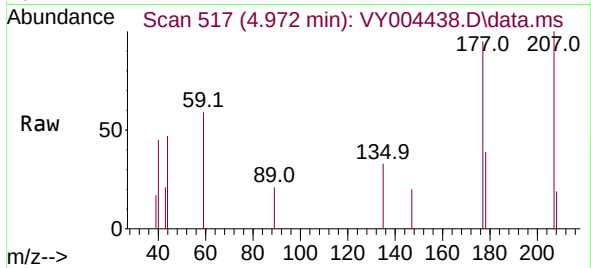
Tgt Ion: 62 Resp: 18575
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



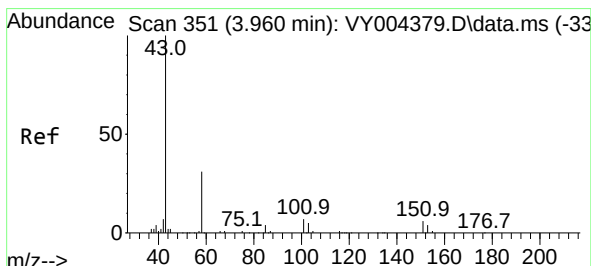
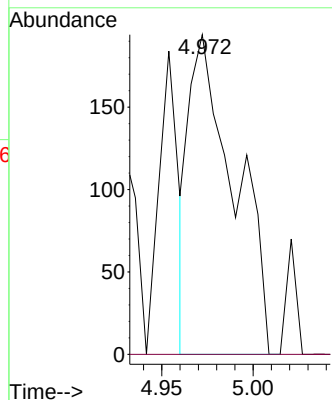
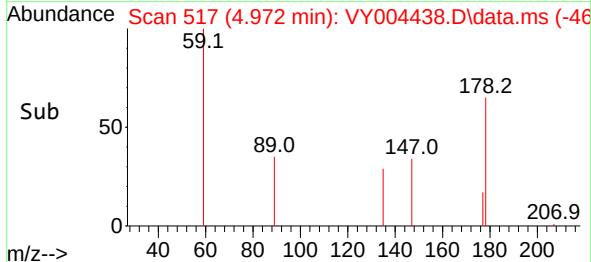


#11
Tert butyl alcohol
Concen: 1.28 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

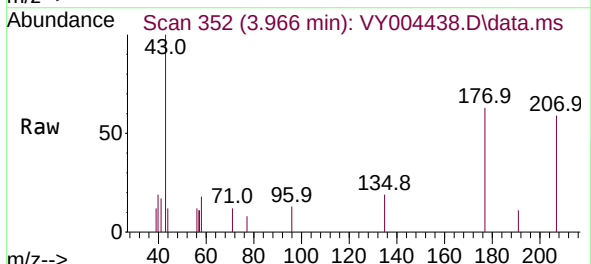
Instrument :
MSVOA_Y
ClientSampled :



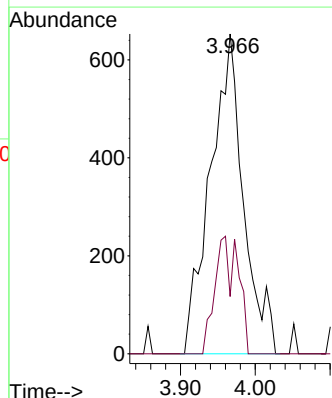
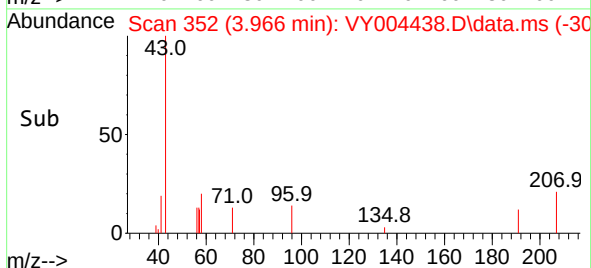
Tgt Ion: 59 Resp: 334
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

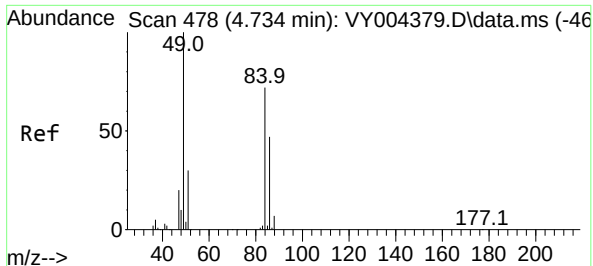


#16
Acetone
Concen: Below Cal
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11



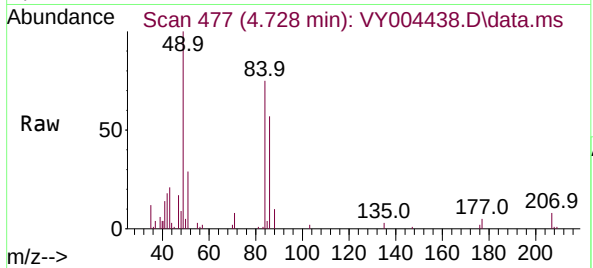
Tgt Ion: 43 Resp: 2015
Ion Ratio Lower Upper
43 100
58 17.9 24.6 37.0#



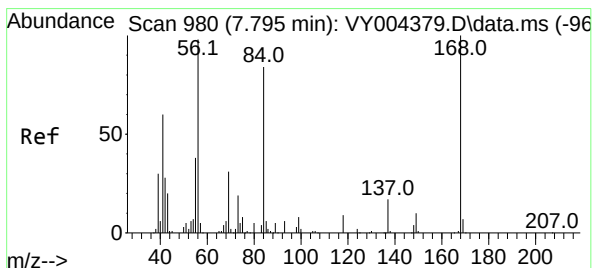
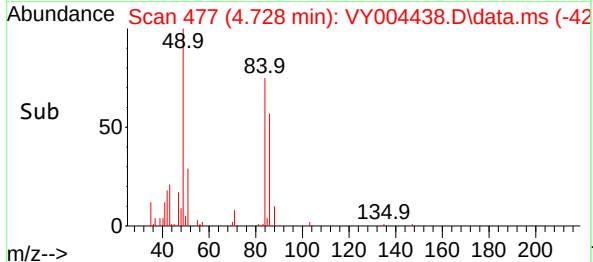
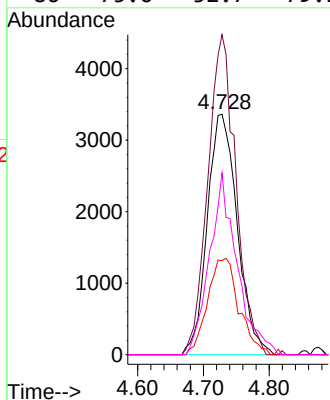


#20
Methylene Chloride
Concen: 4.18 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

Instrument :
MSVOA_Y
ClientSampled :

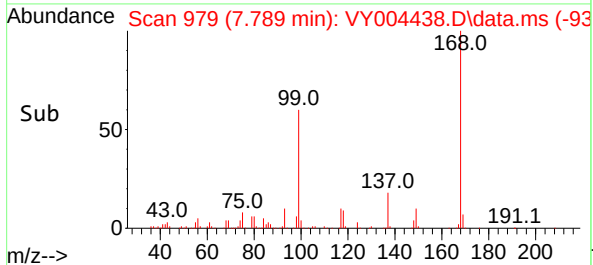
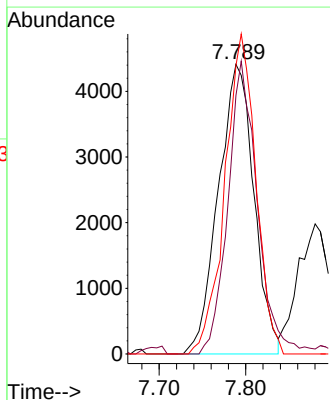
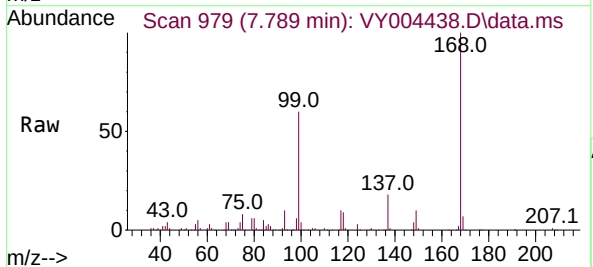


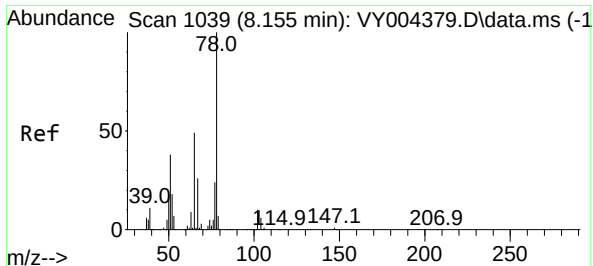
Tgt Ion:	84	Resp:	10684
Ion	Ratio	Lower	Upper
84	100		
49	133.1	111.2	166.8
51	39.2	33.4	50.2
86	75.6	52.7	79.1



#31
Cyclohexane
Concen: 2.59 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

Tgt Ion:	56	Resp:	12574
Ion	Ratio	Lower	Upper
56	100		
69	89.3	25.8	38.6#
84	99.5	68.2	102.4

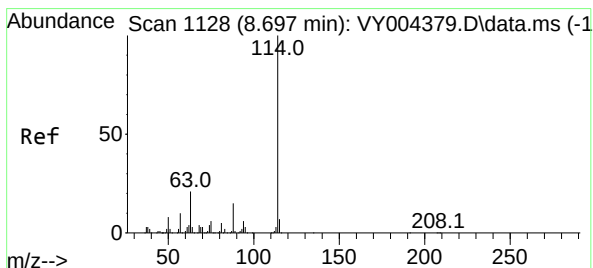
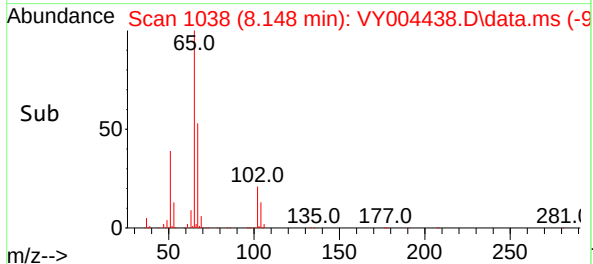
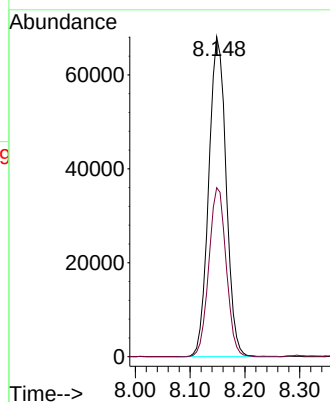
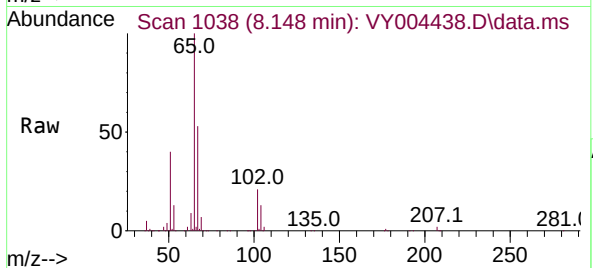




#33
1,2-Dichloroethane-d4
Concen: 56.45 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

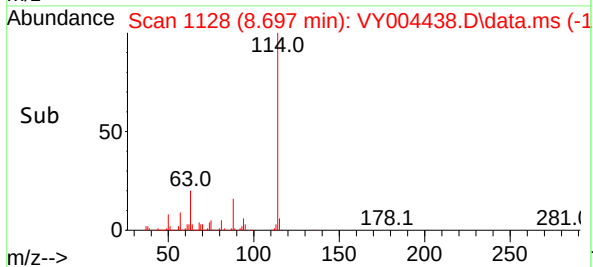
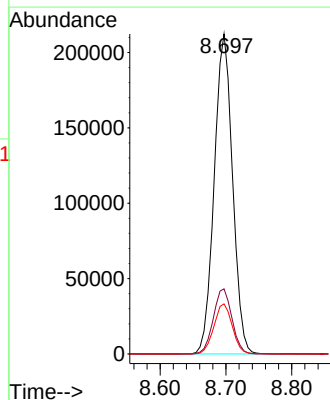
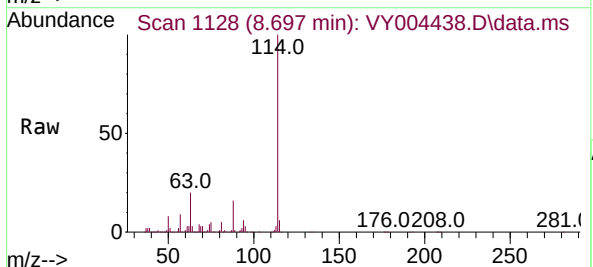
Instrument :
MSVOA_Y
ClientSampleId :

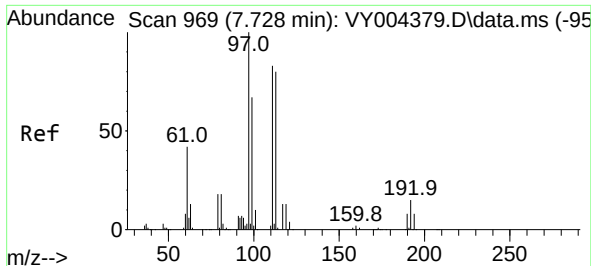
Tgt Ion: 65 Resp: 149547
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

Tgt Ion:114 Resp: 411468
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.4
88 15.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 54.43 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY004438.D

Acq: 15 Apr 2021 14:11

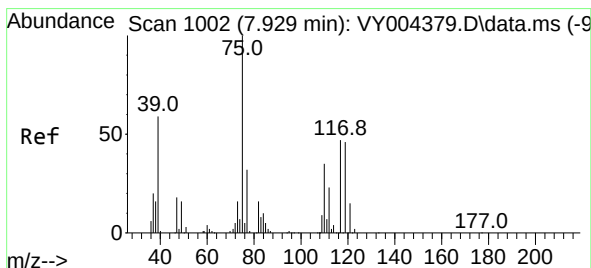
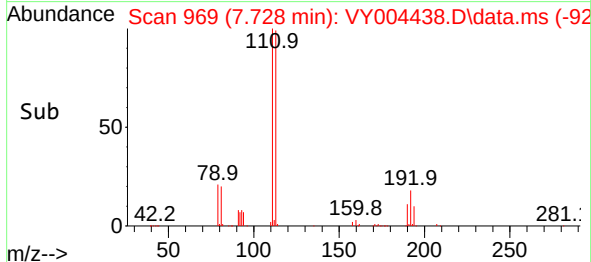
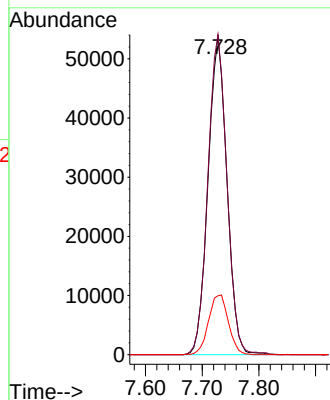
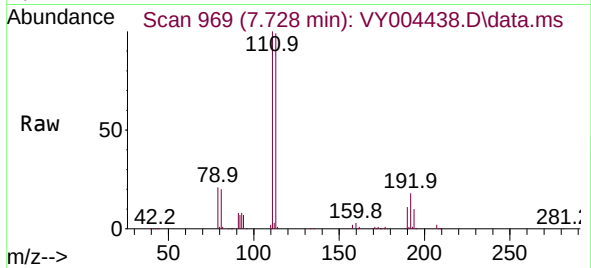
Tgt Ion:113 Resp: 124285

Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 19.8 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.60 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.134 min

Lab File: VY004438.D

Acq: 15 Apr 2021 14:11

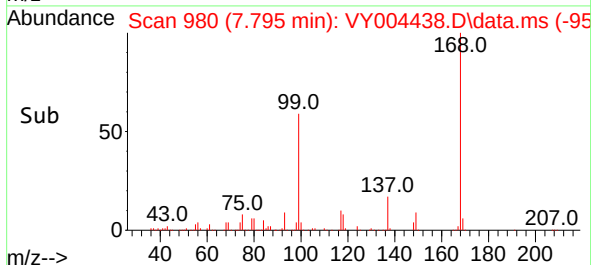
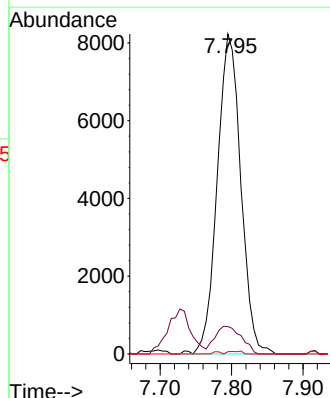
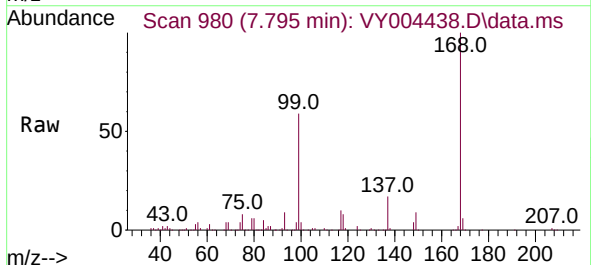
Tgt Ion: 75 Resp: 18814

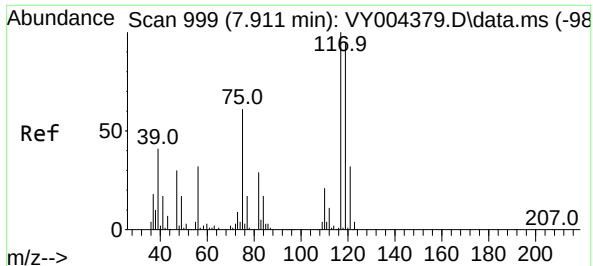
Ion Ratio Lower Upper

75 100

110 9.7 17.3 51.7#

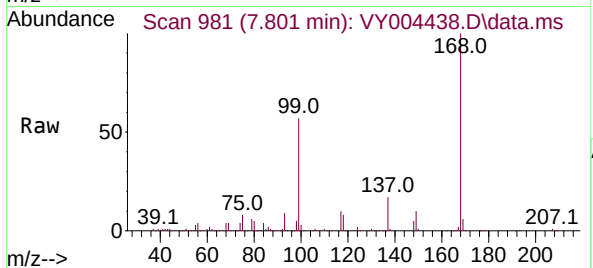
77 0.2 24.3 36.5#



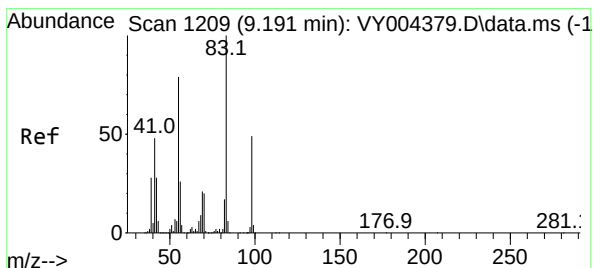
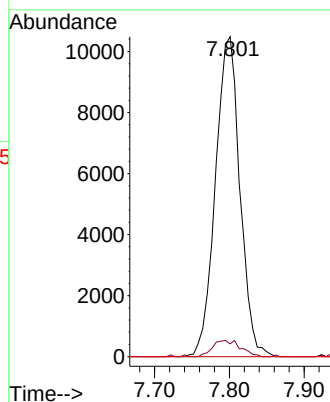
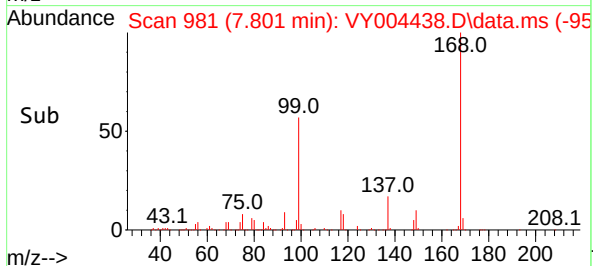


#38
Carbon Tetrachloride
Concen: 6.76 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

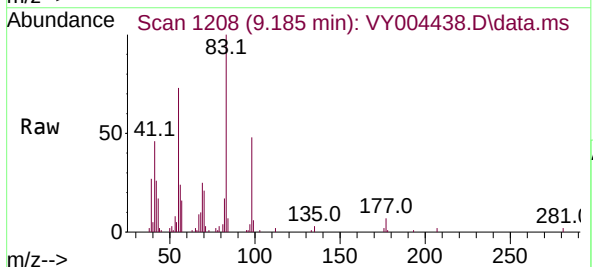
Instrument :
MSVOA_Y
ClientSampleId :



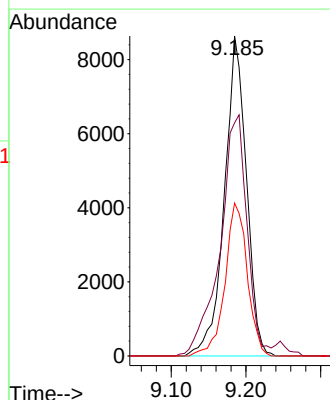
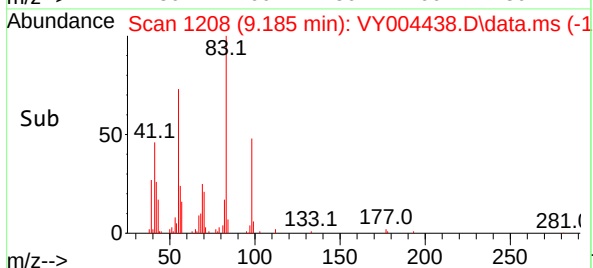
Tgt Ion:117 Resp: 23885
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.8#
121 0.0 25.3 37.9#

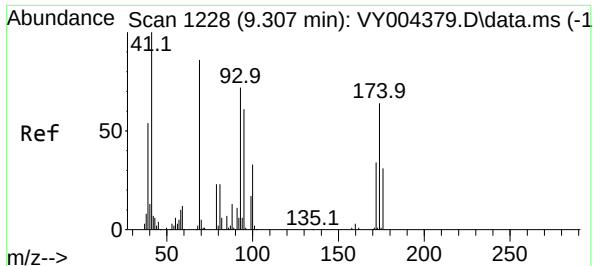


#39
Methylcyclohexane
Concen: 3.52 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11



Tgt Ion: 83 Resp: 17719
Ion Ratio Lower Upper
83 100
55 72.2 63.0 94.4
98 47.8 39.2 58.8

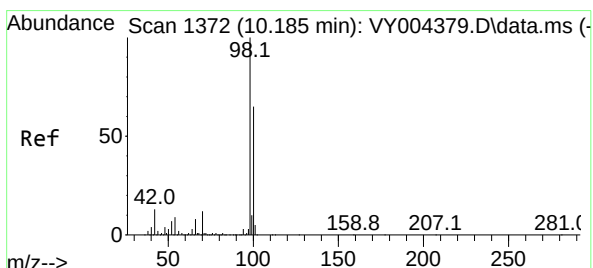
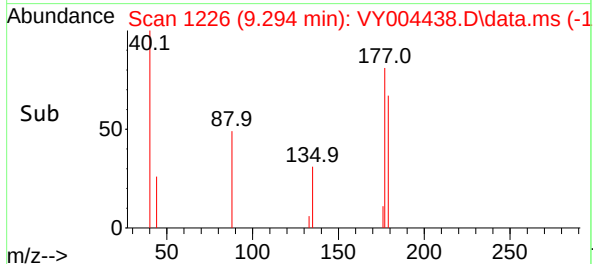
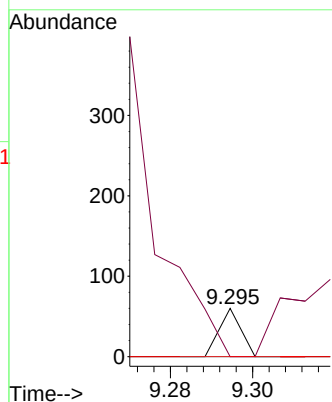
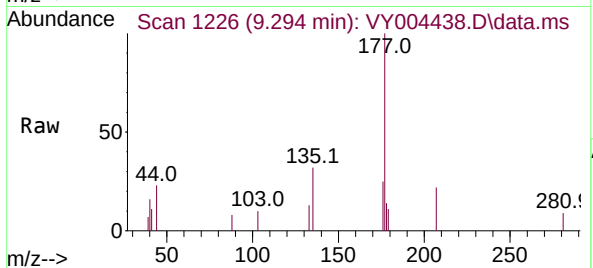




#49
1,4-Dioxane
Concen: 1.04 ug/l
RT: 9.294 min Scan# 1226
Delta R.T. -0.012 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

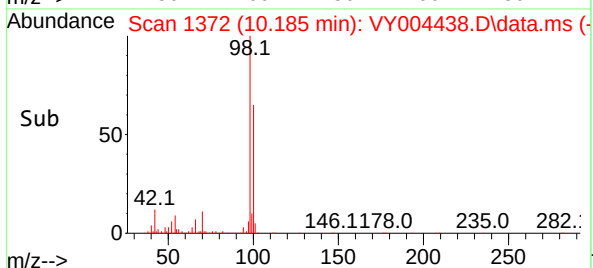
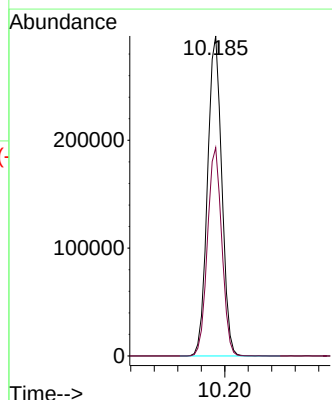
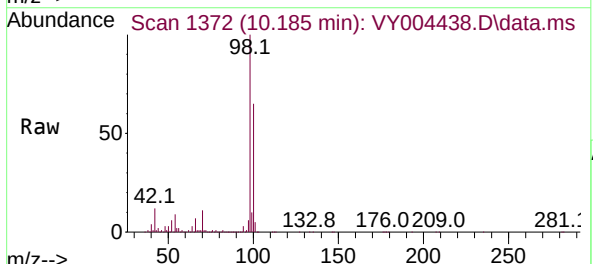
Instrument :
MSVOA_Y
ClientSampled :

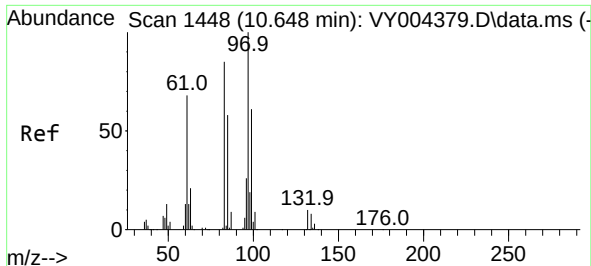
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 31.7 47.5#
58 0.0 55.7 83.5#



#50
Toluene-d8
Concen: 51.47 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

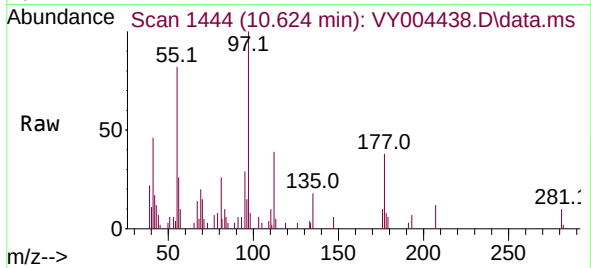
Tgt Ion: 98 Resp: 499944
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6



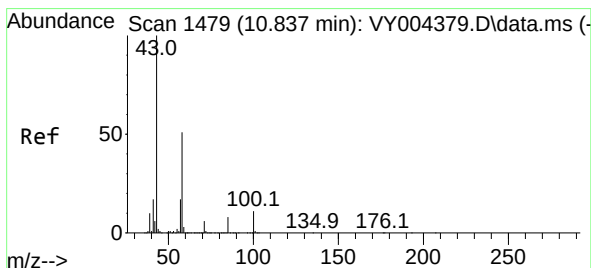
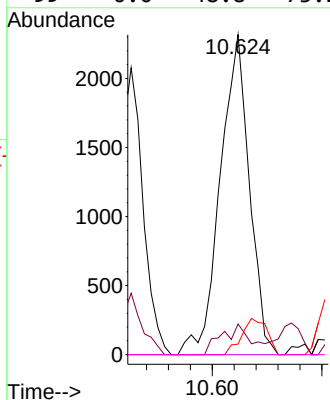
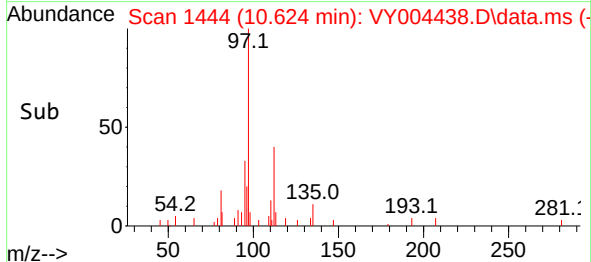


#55
1,1,2-Trichloroethane
Concen: 1.92 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

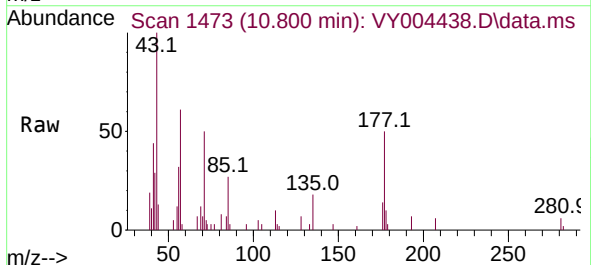
Instrument :
MSVOA_Y
ClientSampleId :



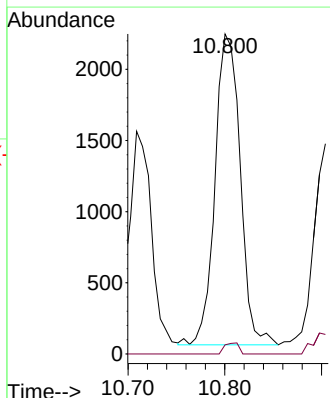
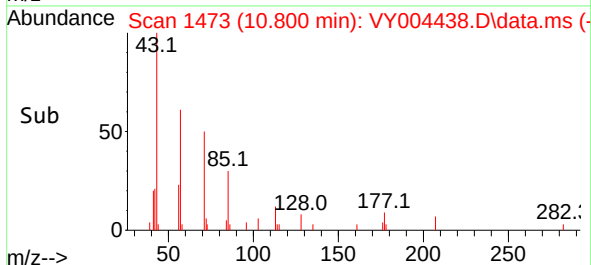
Tgt Ion	Ratio	Lower	Upper
97	100		
83	9.6	68.4	102.6#
85	3.3	46.2	69.4#
99	0.0	48.8	73.2#

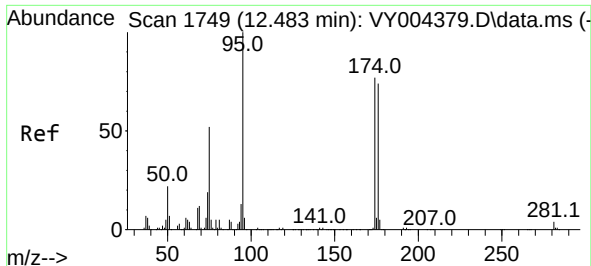


#59
2-Hexanone
Concen: 2.29 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11



Tgt Ion	Ratio	Lower	Upper
43	100		
58	2.0	25.4	76.4#

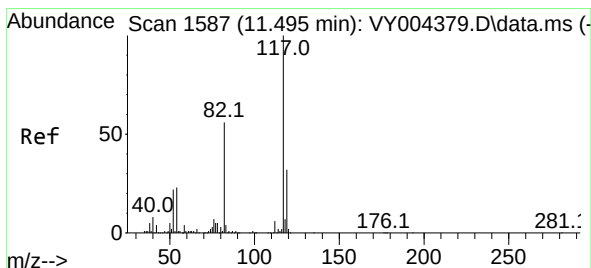
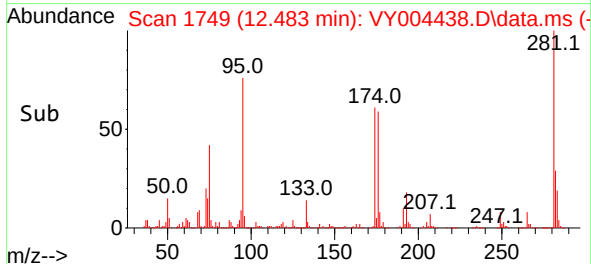
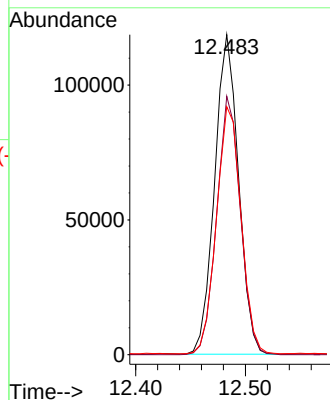
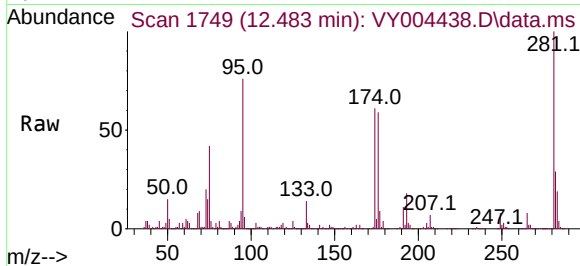




#62
4-Bromofluorobenzene
Concen: 54.59 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

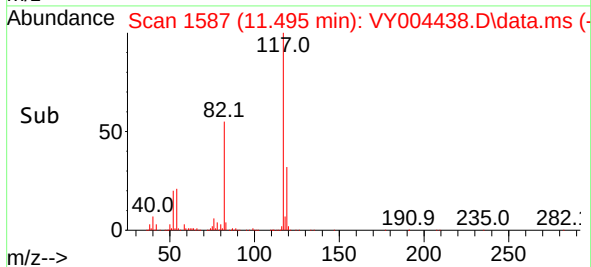
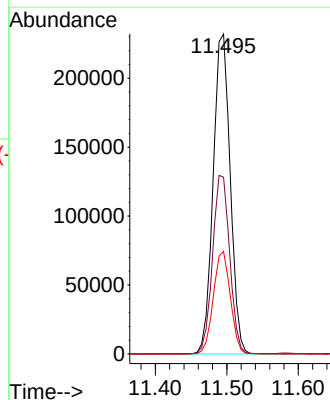
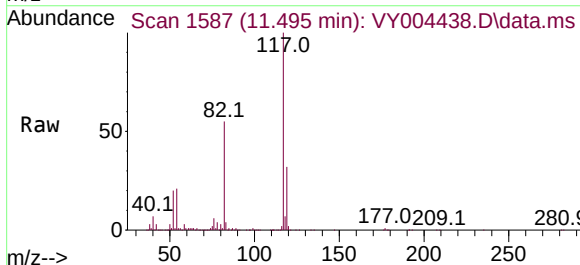
Instrument :
MSVOA_Y
ClientSampleId :

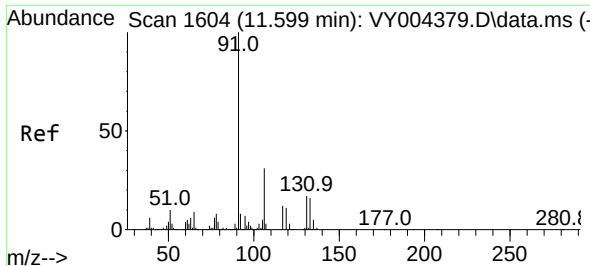
Tgt Ion: 95 Resp: 179946
Ion Ratio Lower Upper
95 100
174 79.9 0.0 162.4
176 79.3 0.0 156.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

Tgt Ion: 117 Resp: 384286
Ion Ratio Lower Upper
117 100
82 55.2 44.9 67.3
119 32.1 25.4 38.0

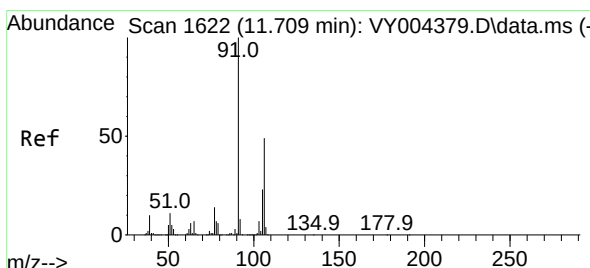
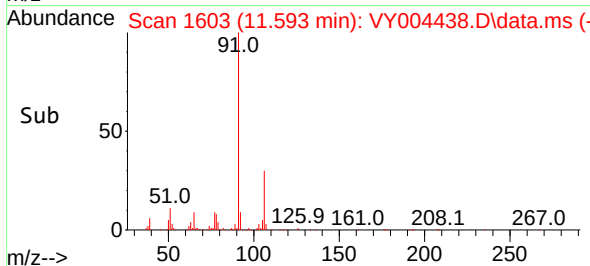
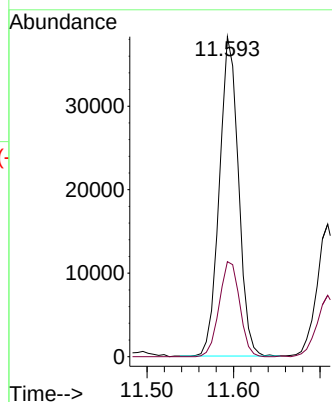
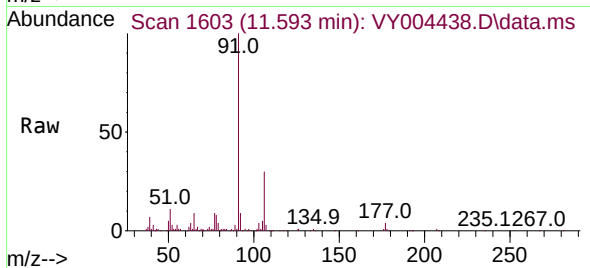




#67
Ethyl Benzene
Concen: 3.99 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

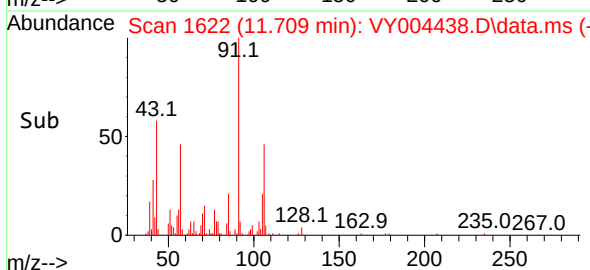
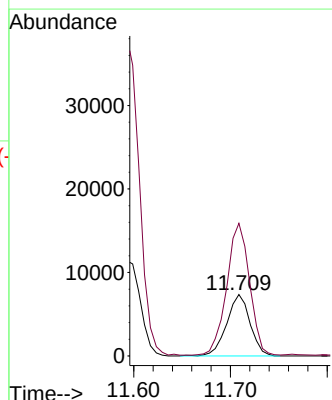
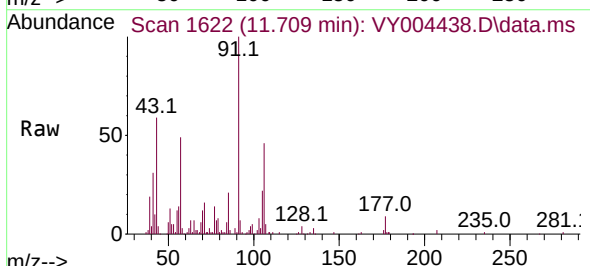
Instrument :
MSVOA_Y
ClientSampled :

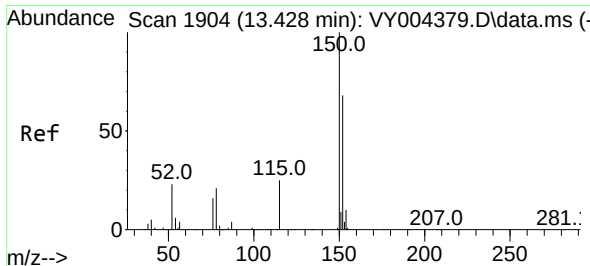
Tgt Ion: 91 Resp: 58555
Ion Ratio Lower Upper
91 100
106 29.8 25.1 37.7



#68
m/p-Xylenes
Concen: 2.26 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. -0.000 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

Tgt Ion:106 Resp: 12339
Ion Ratio Lower Upper
106 100
91 210.0 163.2 244.8

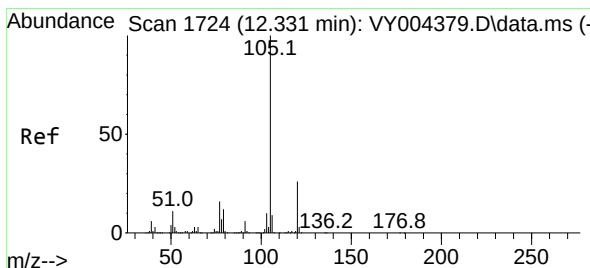
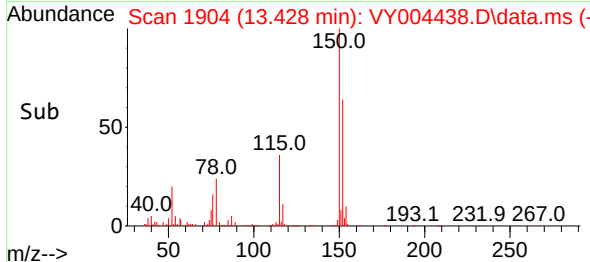
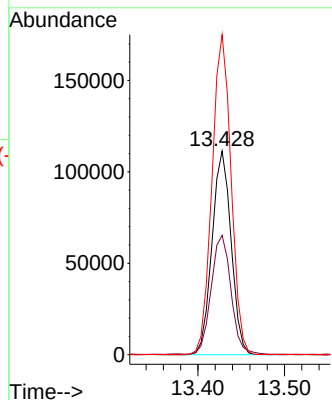
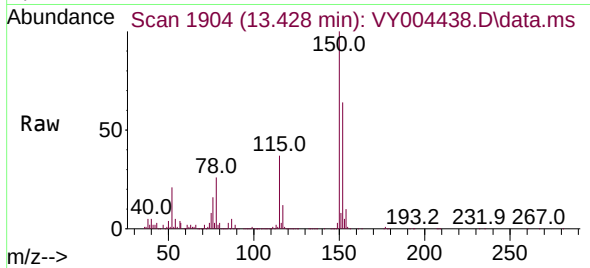




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

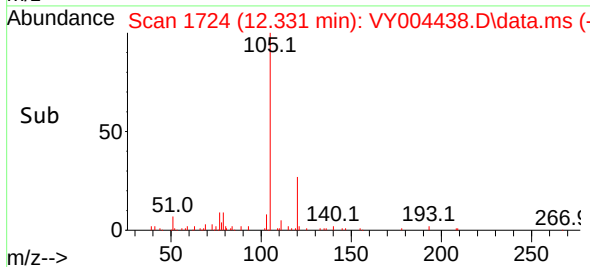
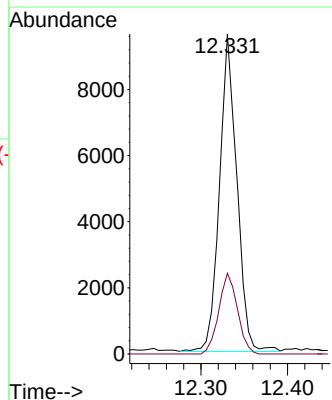
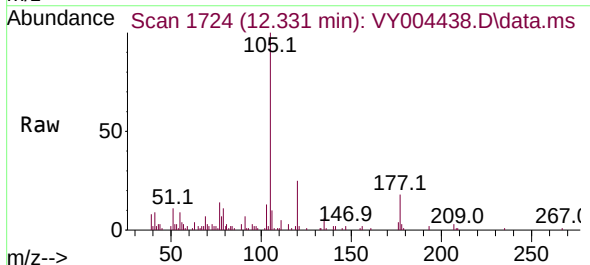
Instrument :
MSVOA_Y
ClientSampleId :

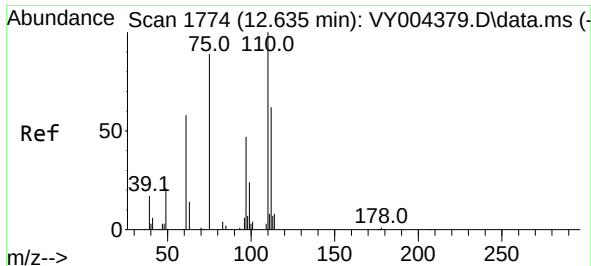
Tgt Ion:152 Resp: 170031
Ion Ratio Lower Upper
152 100
115 60.9 29.6 88.8
150 157.4 0.0 348.4



#73
Isopropylbenzene
Concen: 1.02 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

Tgt Ion:105 Resp: 13377
Ion Ratio Lower Upper
105 100
120 27.3 13.2 39.5

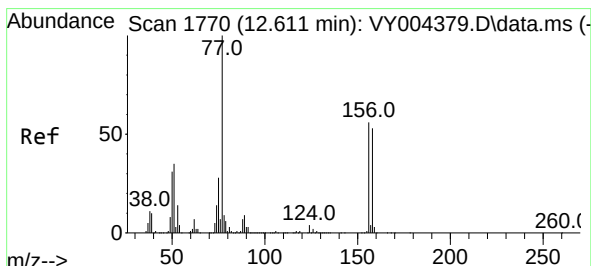
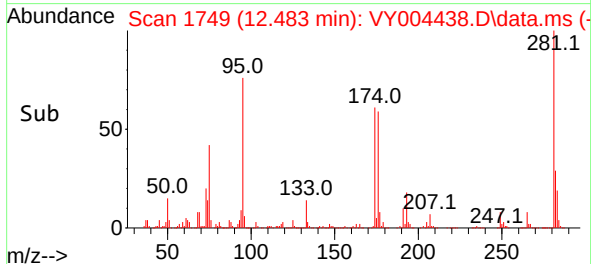
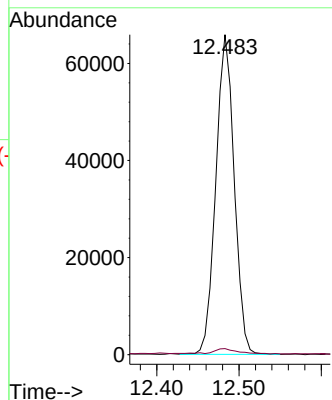
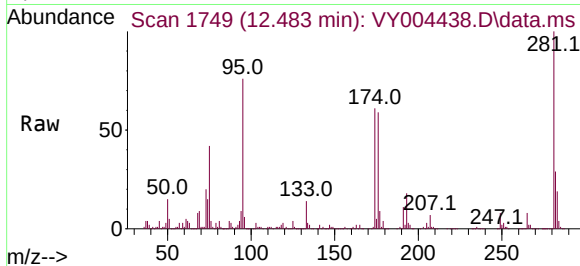




#76
1,2,3-Trichloropropane
Concen: 55.95 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

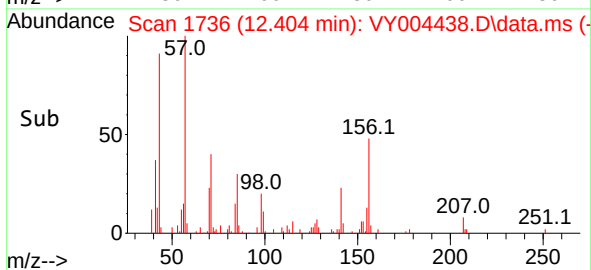
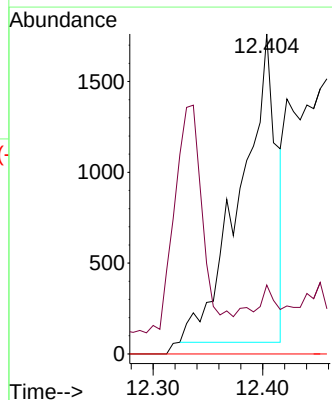
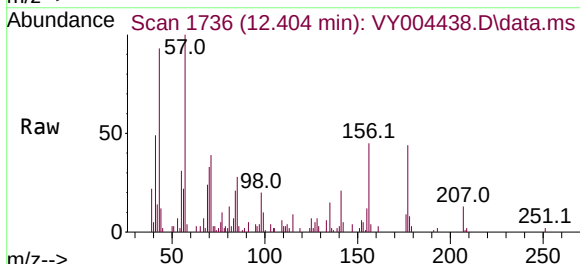
Instrument :
MSVOA_Y
ClientSampleId :

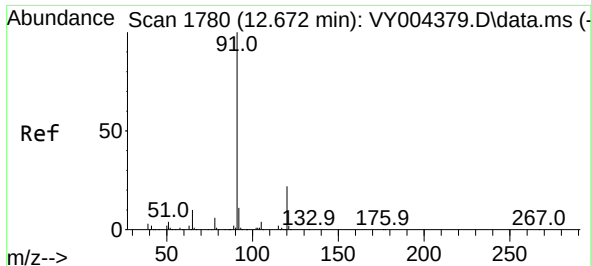
Tgt Ion: 75 Resp: 102113
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#77
Bromobenzene
Concen: 1.33 ug/l
RT: 12.404 min Scan# 1736
Delta R.T. -0.207 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

Tgt Ion: 156 Resp: 3908
Ion Ratio Lower Upper
156 100
77 7.1 98.6 295.7#
158 0.0 48.4 145.2#

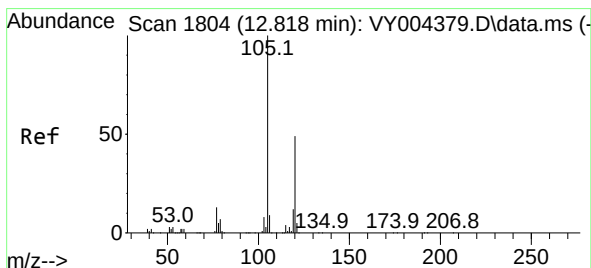
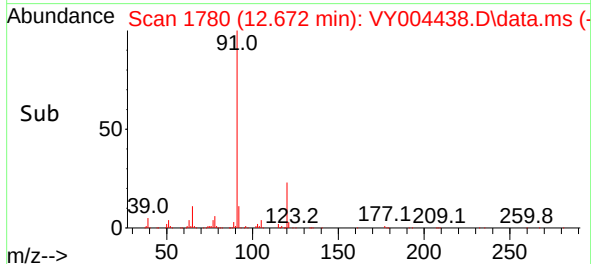
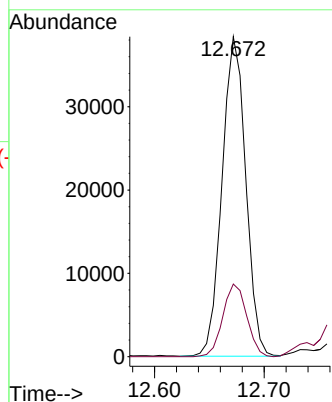
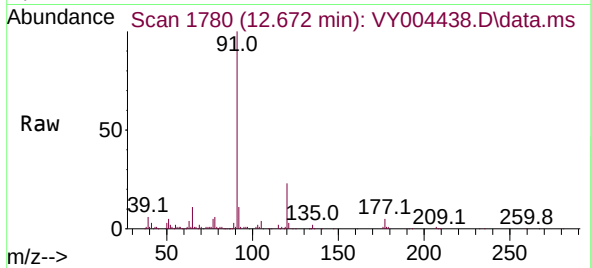




#78
n-propylbenzene
Concen: 3.72 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

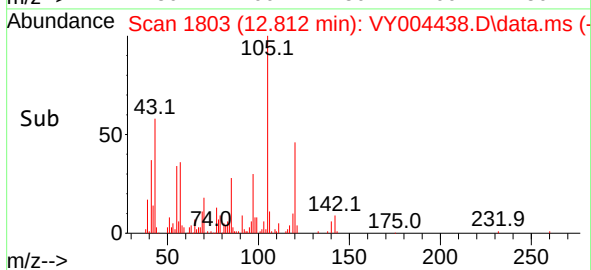
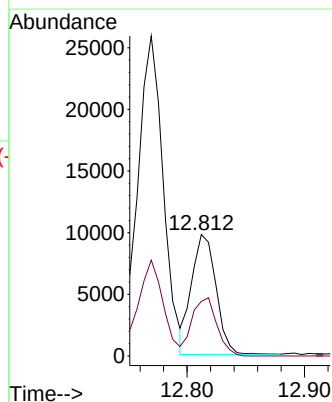
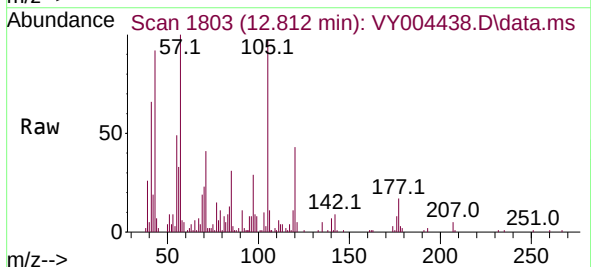
Instrument :
MSVOA_Y
ClientSampled :

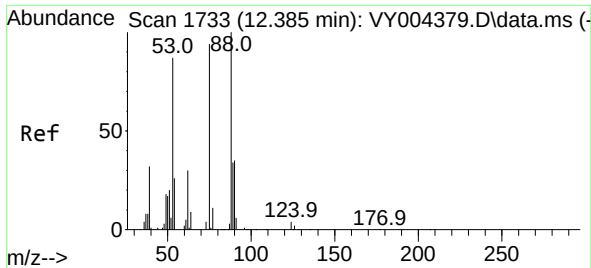
Tgt Ion: 91 Resp: 57668
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 1.32 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

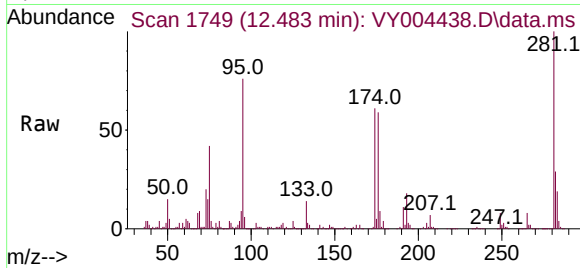
Tgt Ion: 105 Resp: 14074
Ion Ratio Lower Upper
105 100
120 49.4 24.6 74.0



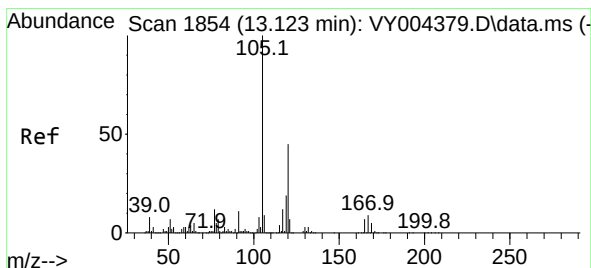
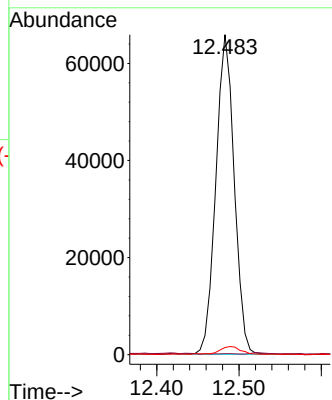
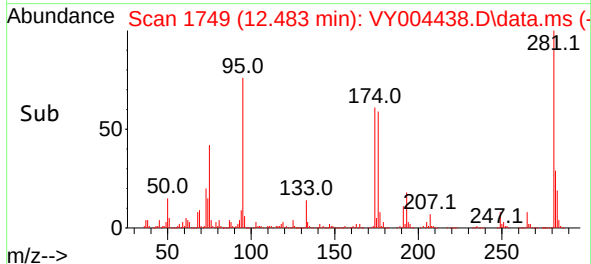


#81
trans-1,4-Dichloro-2-butene
Concen: 100.10 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

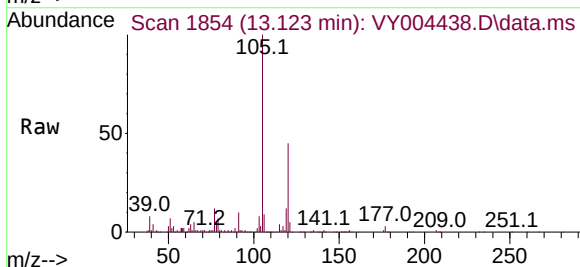
Instrument :
MSVOA_Y
ClientSampleId :



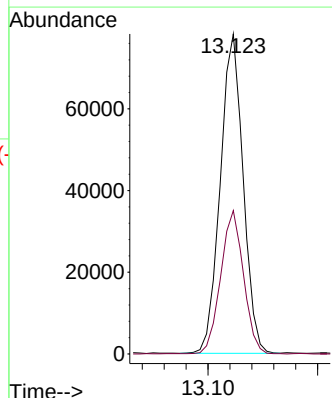
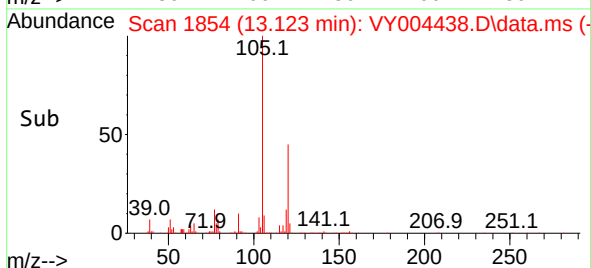
Tgt Ion: 75 Resp: 102113
Ion Ratio Lower Upper
75 100
53 0.1 75.0 112.6#
89 2.8 36.1 54.1#

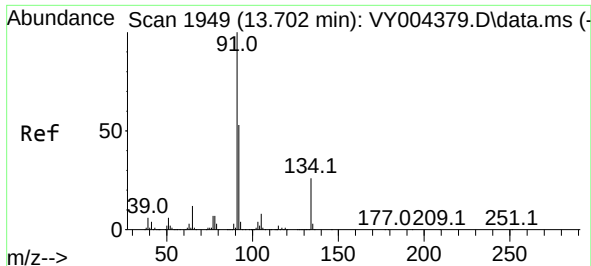


#84
1,2,4-Trimethylbenzene
Concen: 10.49 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11



Tgt Ion: 105 Resp: 113019
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.3

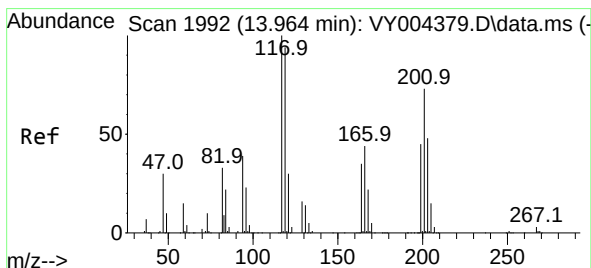
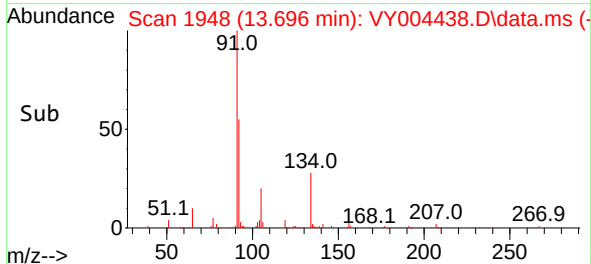
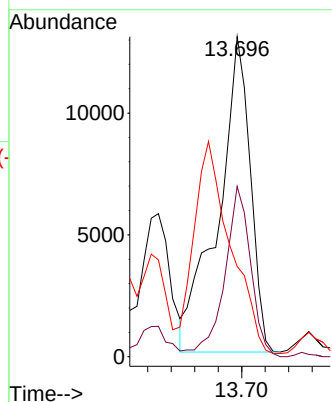
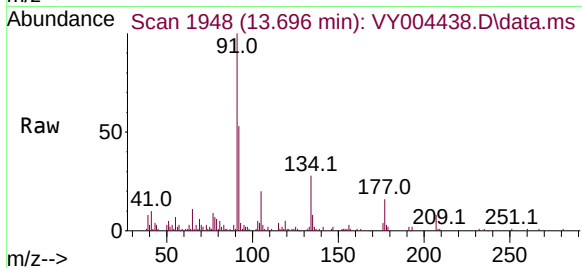




#89
n-Butylbenzene
Concen: 2.22 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

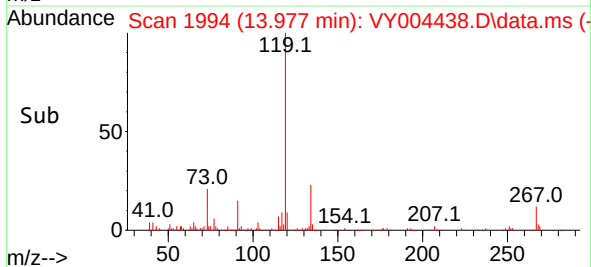
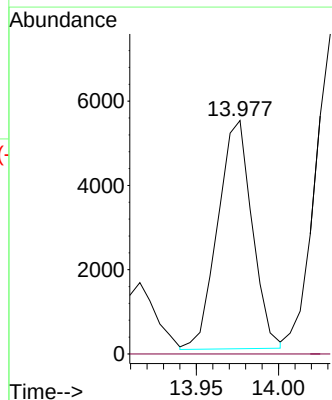
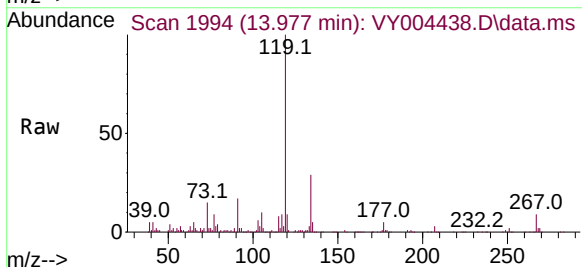
Instrument :
MSVOA_Y
ClientSampleId :

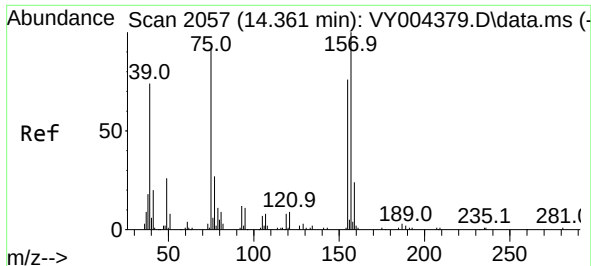
Tgt Ion: 91 Resp: 24546
Ion Ratio Lower Upper
91 100
92 43.5 26.6 79.8
134 0.0 12.7 38.1#



#90
Hexachloroethane
Concen: 5.07 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

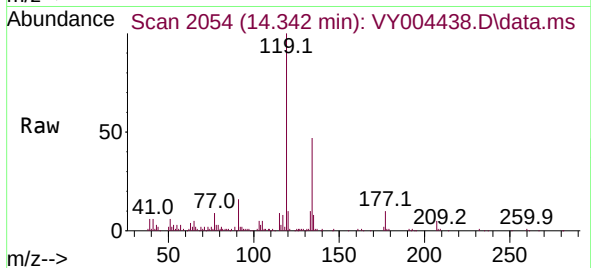
Tgt Ion: 117 Resp: 7888
Ion Ratio Lower Upper
117 100
201 0.0 36.6 109.9#



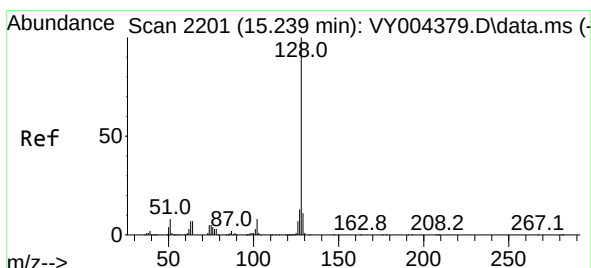
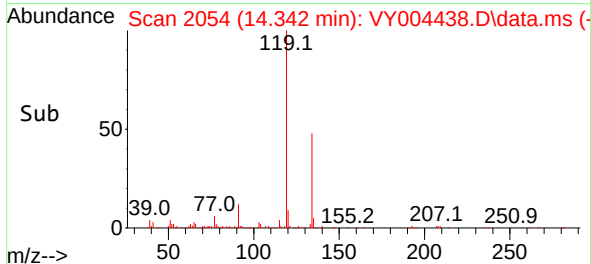
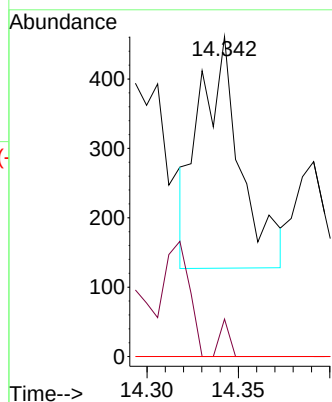


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.17 ug/l
RT: 14.342 min Scan# 2054
Delta R.T. -0.018 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 520
Ion Ratio Lower Upper
75 100
155 3.8 40.6 121.8#
157 0.0 53.0 159.0#



#95
Naphthalene
Concen: 18.38 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004438.D
Acq: 15 Apr 2021 14:11

Tgt Ion: 128 Resp: 128969
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 11.1 8.8 13.2

