

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004440.D
 Acq On : 15 Apr 2021 14:58
 Operator : SY/MD
 Sample : M2034-02RE
 Misc : 6.75G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 16 05:04:22 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

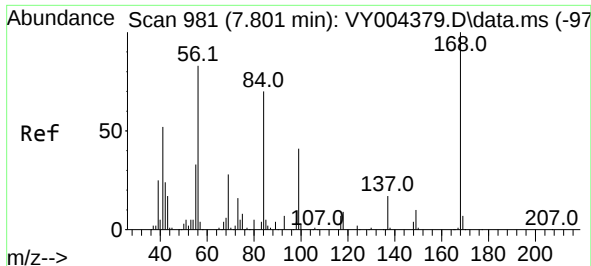
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	233745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	408953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	364268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	140423	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	145563	56.05	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.10%			
35) Dibromofluoromethane	7.728	113	123512	54.42	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.84%			
50) Toluene-d8	10.184	98	493008	51.07	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.14%			
62) 4-Bromofluorobenzene	12.483	95	164841	50.32	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.64%			
Target Compounds					Qvalue	
4) Vinyl Chloride	2.265	62	22370	6.76	ug/l #	43
11) Tert butyl alcohol	4.972	59	1759	6.87	ug/l #	73
16) Acetone	3.960	43	17092	12.76	ug/l	94
20) Methylene Chloride	4.722	84	11422	4.55	ug/l	93
25) 2-Butanone	7.002	43	4352	4.40	ug/l #	78
31) Cyclohexane	7.795	56	8860	1.86	ug/l #	28
36) 1,1-Dichloropropene	7.795	75	18161	4.47	ug/l #	52
37) Ethyl Acetate	7.002	43	4352	1.66	ug/l #	70
38) Carbon Tetrachloride	7.801	117	23831	6.78	ug/l #	17
39) Methylcyclohexane	9.185	83	10812	2.16	ug/l	97
55) 1,1,2-Trichloroethane	10.617	97	3965	1.79	ug/l #	19
59) 2-Hexanone	10.806	43	3304	1.93	ug/l #	29
67) Ethyl Benzene	11.593	91	25031	1.80	ug/l	98
68) m/p-Xylenes	11.709	106	6669	1.29	ug/l	88
74) N-amyl acetate	12.123	43	4558	1.25	ug/l #	46
76) 1,2,3-Trichloropropane	12.483	75	95807	63.57	ug/l #	100
78) n-propylbenzene	12.672	91	24597	1.92	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	21707	2.46	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	95927	113.86	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.123	105	63451	7.13	ug/l	98
85) sec-Butylbenzene	13.251	105	13585	1.29	ug/l #	78
86) p-Isopropyltoluene	13.367	119	10365	1.08	ug/l	97
90) Hexachloroethane	13.970	117	5598	4.36	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.379	75	423	1.15	ug/l #	12
95) Naphthalene	15.238	128	129130	22.28	ug/l	98

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

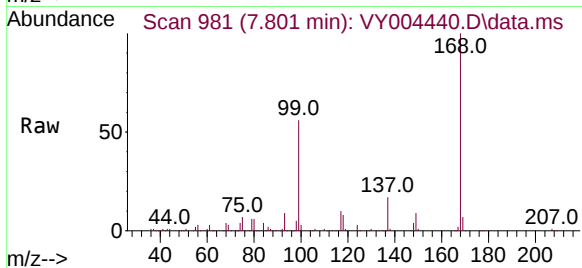
Quant Time: Apr 16 05:04:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
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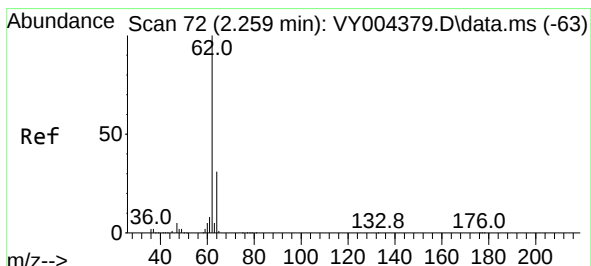
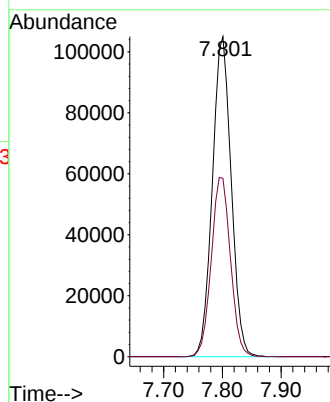
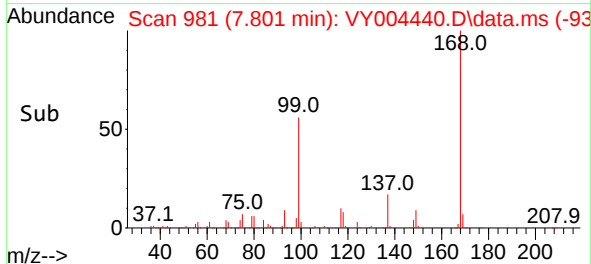


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

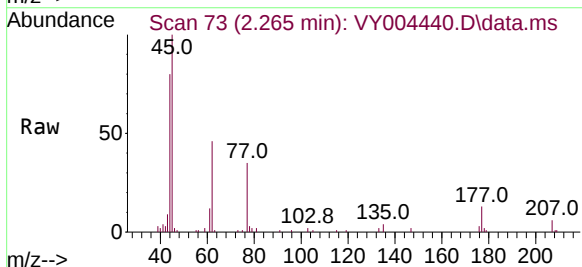
Instrument :
MSVOA_Y
ClientSampled :



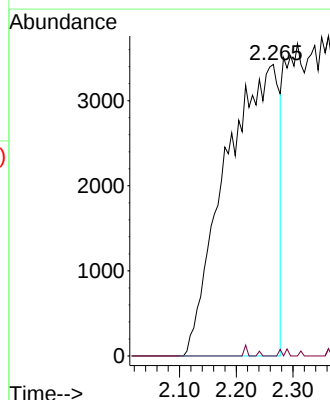
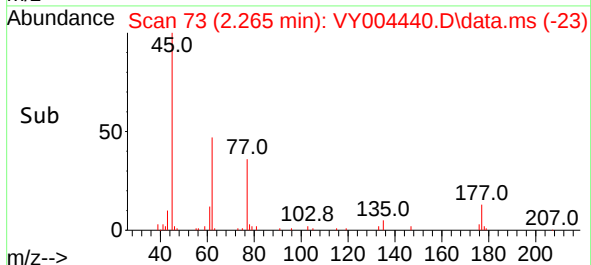
Tgt Ion:168 Resp: 233745
Ion Ratio Lower Upper
168 100
99 55.7 45.5 68.3

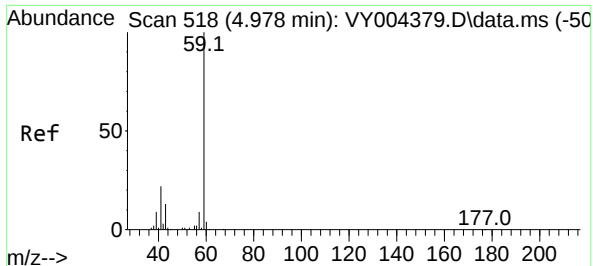


#4
Vinyl Chloride
Concen: 6.76 ug/l
RT: 2.265 min Scan# 73
Delta R.T. 0.006 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58



Tgt Ion: 62 Resp: 22370
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#

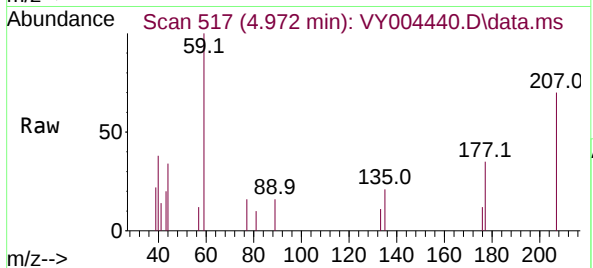




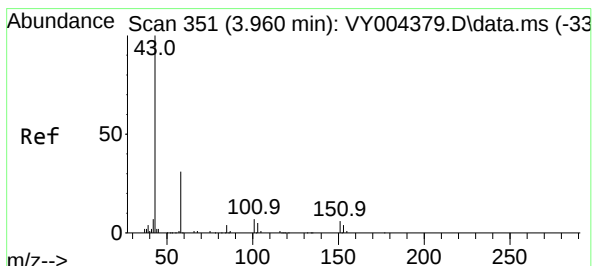
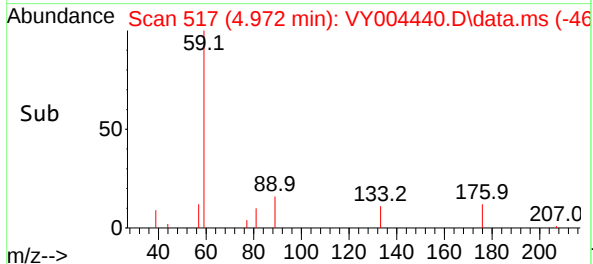
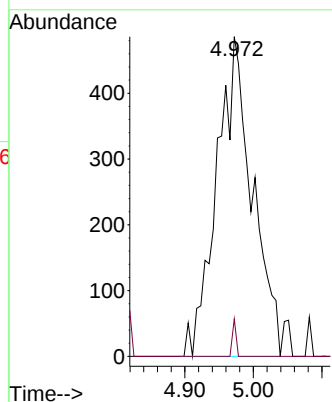
#11

Tert butyl alcohol
Concen: 6.87 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

Instrument :
MSVOA_Y
ClientSampled :



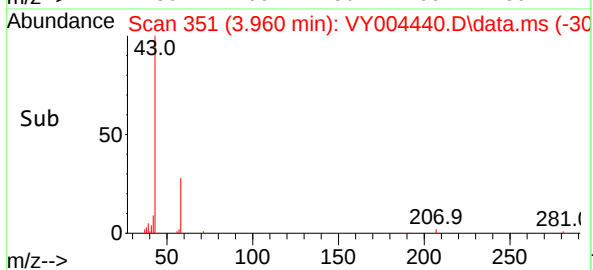
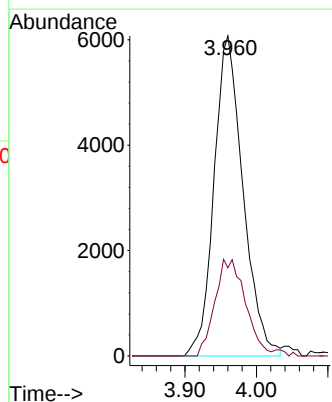
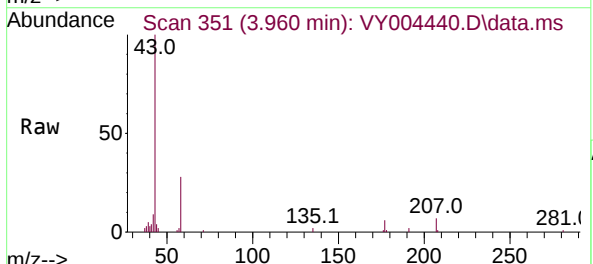
Tgt Ion: 59 Resp: 1759
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

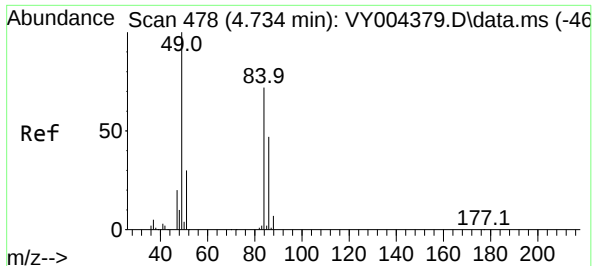


#16

Acetone
Concen: 12.76 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

Tgt Ion: 43 Resp: 17092
Ion Ratio Lower Upper
43 100
58 27.6 24.6 37.0

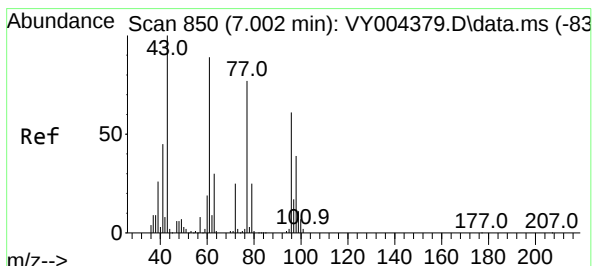
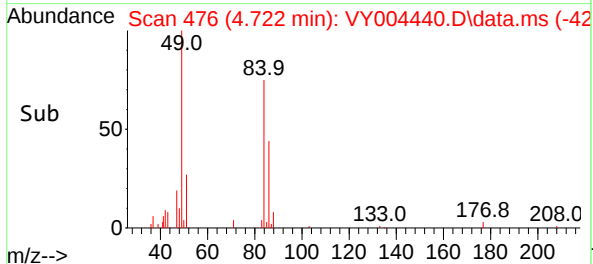
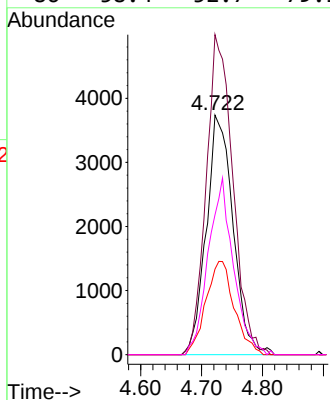
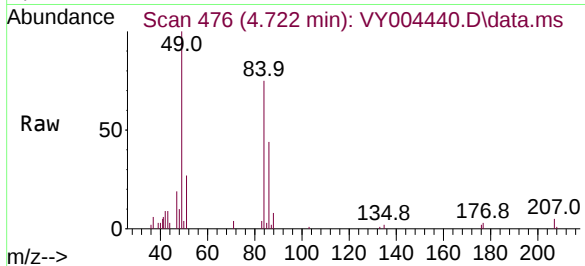




#20
Methylene Chloride
Concen: 4.55 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.012 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

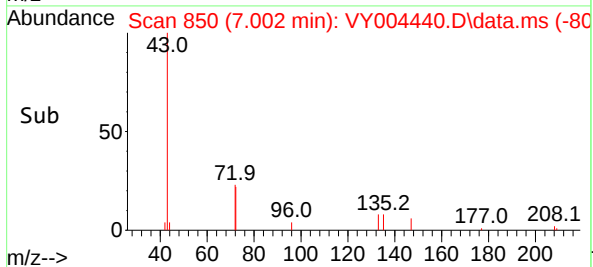
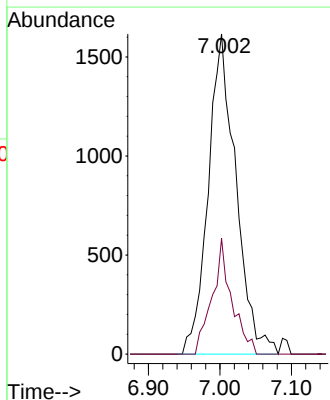
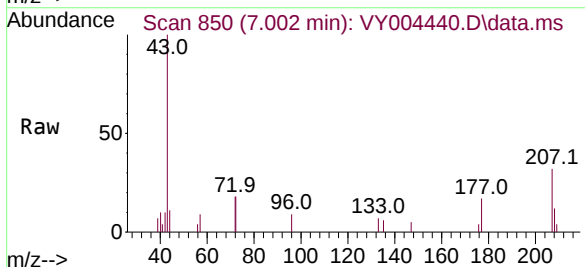
Instrument :
MSVOA_Y
ClientSampled :

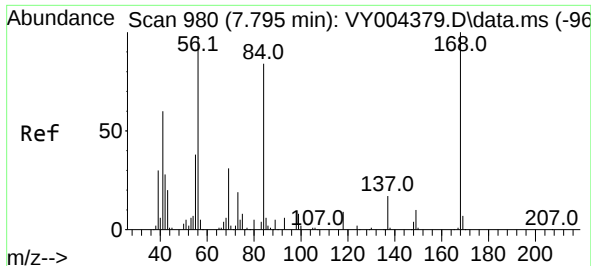
Tgt Ion:	84	Resp:	11422
Ion	Ratio	Lower	Upper
84	100		
49	133.6	111.2	166.8
51	35.7	33.4	50.2
86	58.4	52.7	79.1



#25
2-Butanone
Concen: 4.40 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

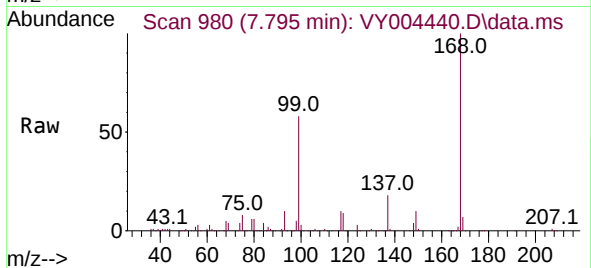
Tgt Ion:	43	Resp:	4352
Ion	Ratio	Lower	Upper
43	100		
72	36.1	20.2	30.2#



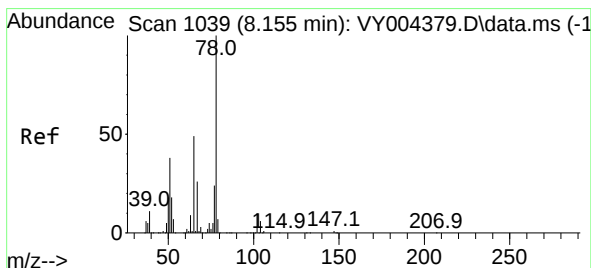
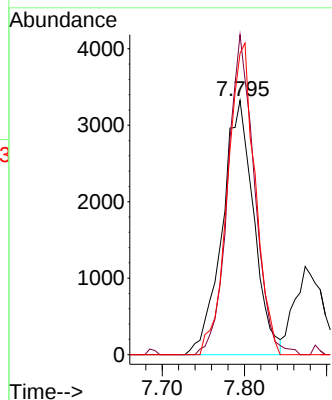
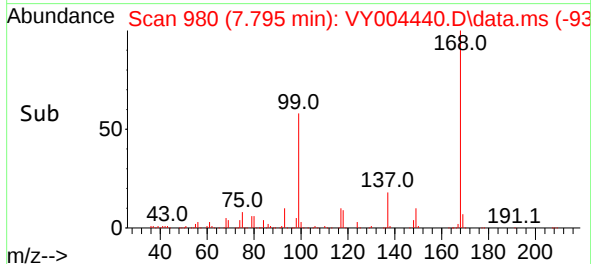


#31
Cyclohexane
Concen: 1.86 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

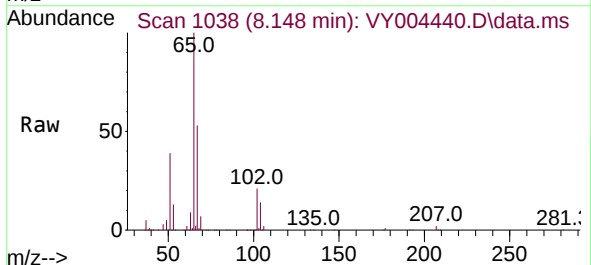
Instrument :
MSVOA_Y
ClientSampleId :



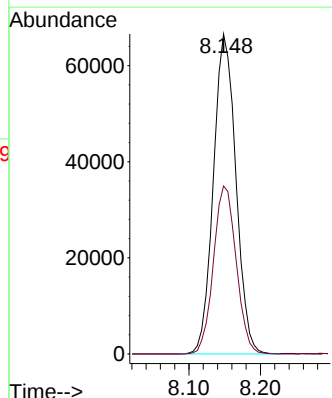
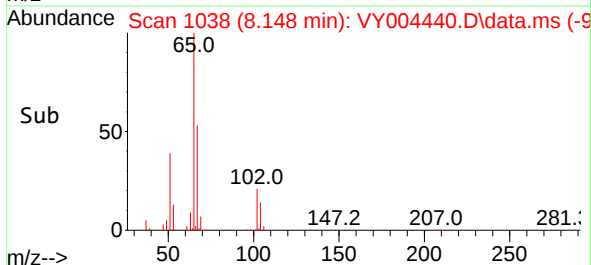
Tgt Ion: 56 Resp: 8860
Ion Ratio Lower Upper
56 100
69 125.9 25.8 38.6#
84 118.6 68.2 102.4#

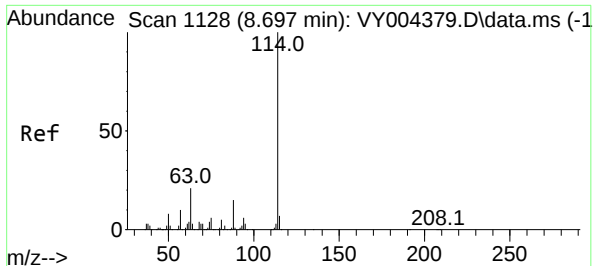


#33
1,2-Dichloroethane-d4
Concen: 56.05 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58



Tgt Ion: 65 Resp: 145563
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.4

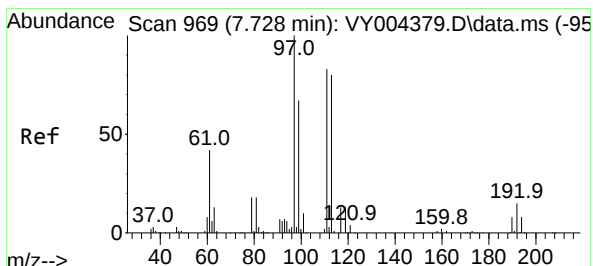
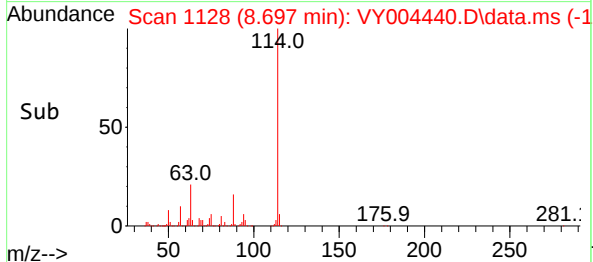
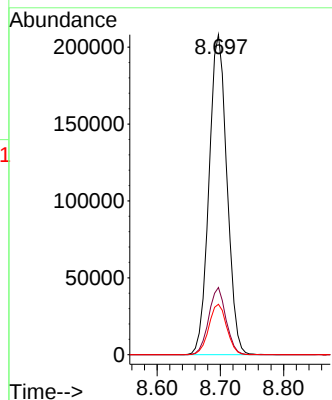
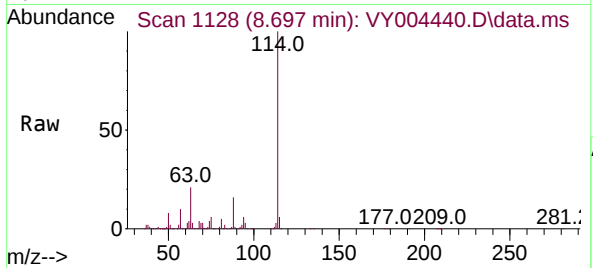




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

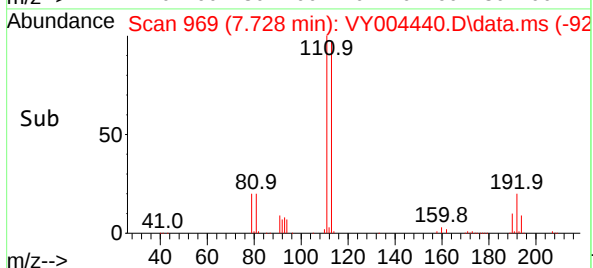
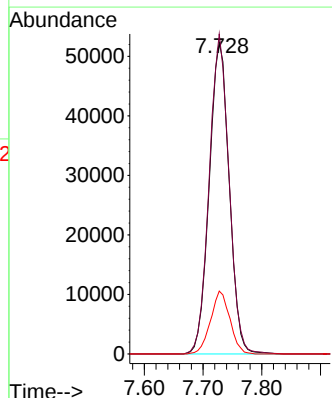
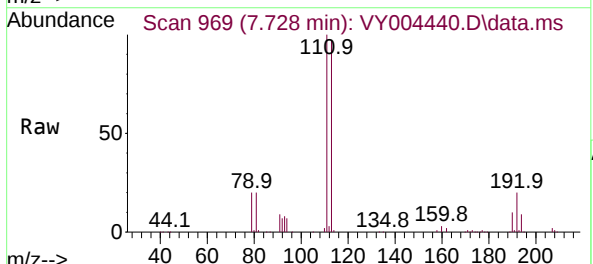
Instrument :
MSVOA_Y
ClientSampleId :

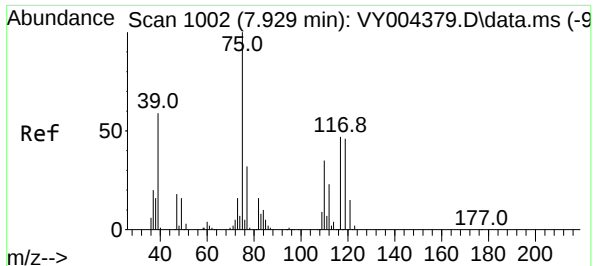
Tgt Ion:114 Resp: 408953
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.4
88 15.8 0.0 30.8



#35
Dibromofluoromethane
Concen: 54.42 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

Tgt Ion:113 Resp: 123512
Ion Ratio Lower Upper
113 100
111 101.8 82.6 123.8
192 19.5 16.1 24.1





#36

1,1-Dichloropropene

Concen: 4.47 ug/l

RT: 7.795 min Scan# 980

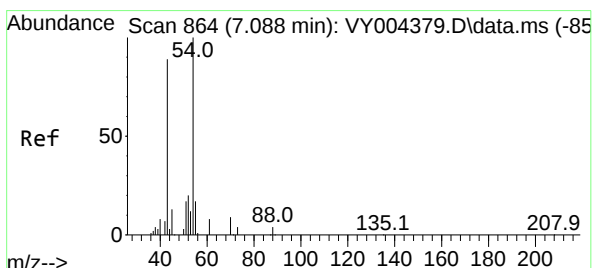
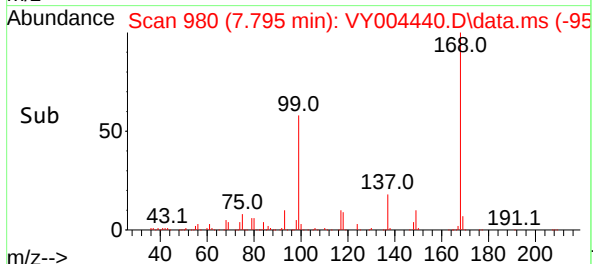
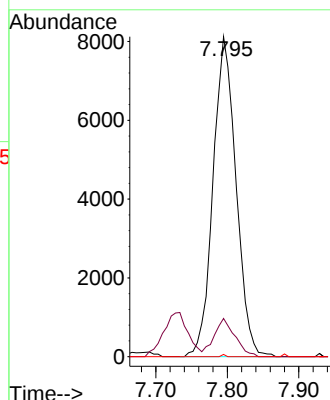
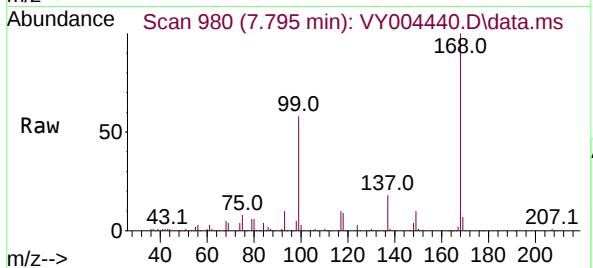
Delta R.T. -0.134 min

Lab File: VY004440.D

Acq: 15 Apr 2021 14:58

Tgt Ion:	75	Resp:	18161
Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.3	51.7#
77	0.1	24.3	36.5#

Instrument :
MSVOA_Y
ClientSampleId :



#37

Ethyl Acetate

Concen: 1.66 ug/l

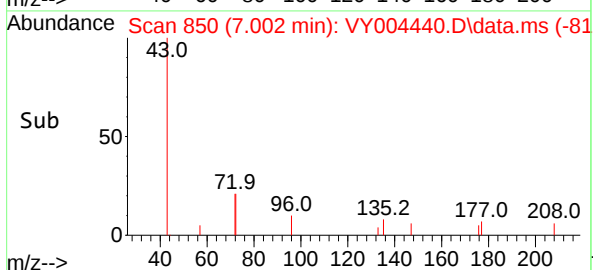
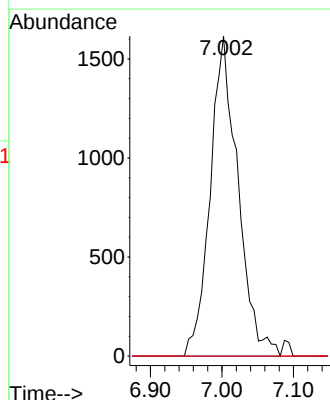
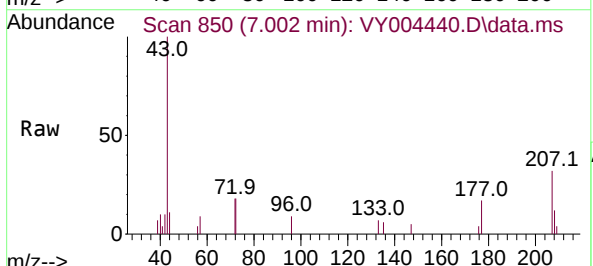
RT: 7.002 min Scan# 850

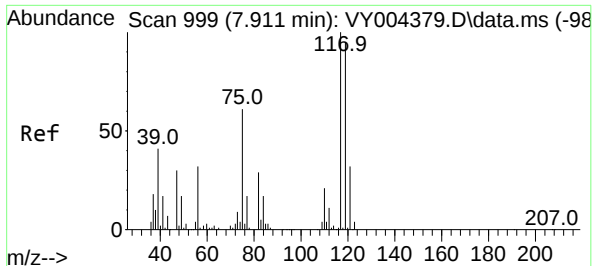
Delta R.T. -0.085 min

Lab File: VY004440.D

Acq: 15 Apr 2021 14:58

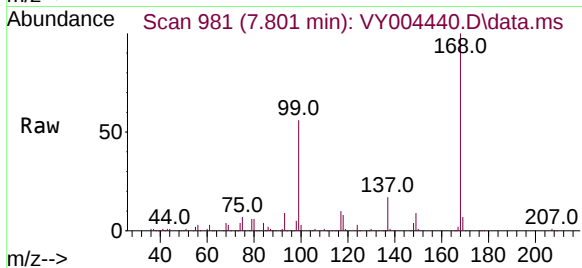
Tgt Ion:	43	Resp:	4352
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	7.5	11.3#



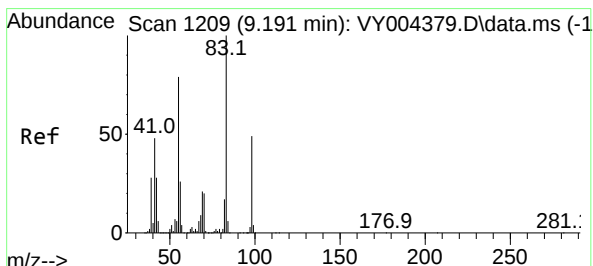
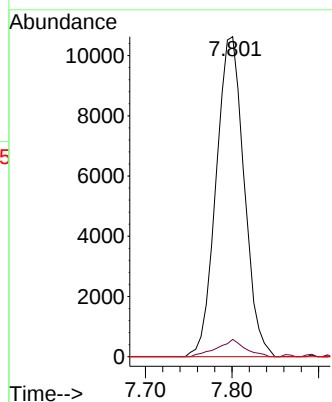
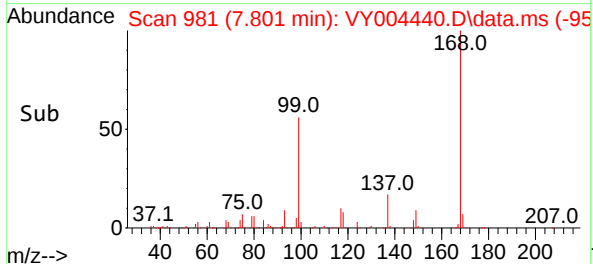


#38
Carbon Tetrachloride
Concen: 6.78 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

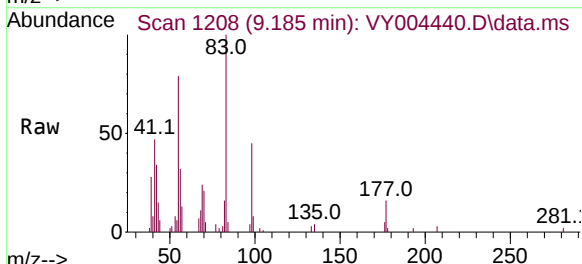
Instrument :
MSVOA_Y
ClientSampled :



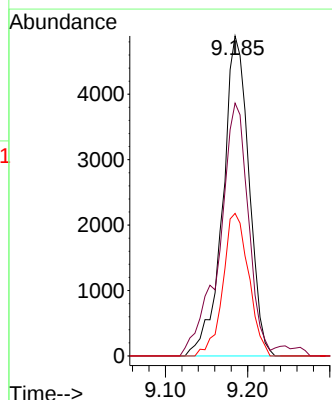
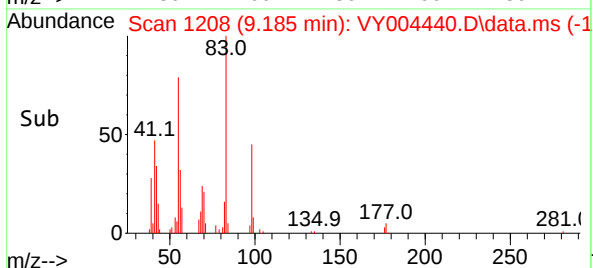
Tgt Ion:117 Resp: 23831
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 25.3 37.9#

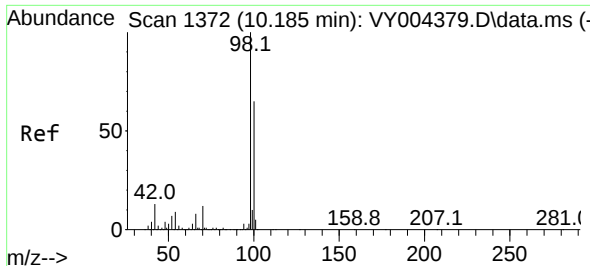


#39
Methylcyclohexane
Concen: 2.16 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58



Tgt Ion: 83 Resp: 10812
Ion Ratio Lower Upper
83 100
55 79.0 63.0 94.4
98 44.6 39.2 58.8

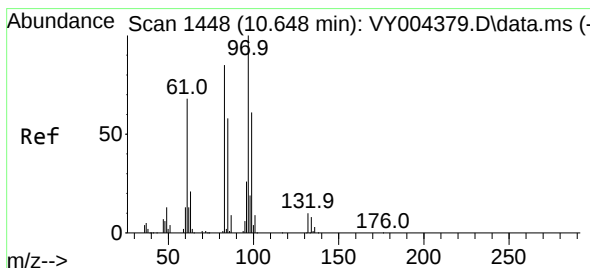
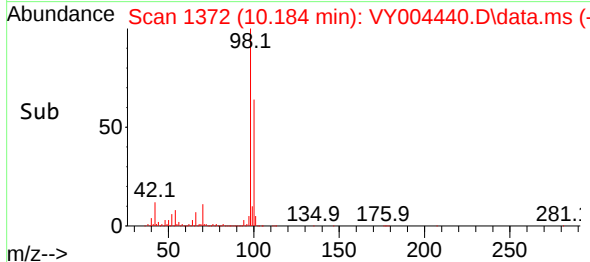
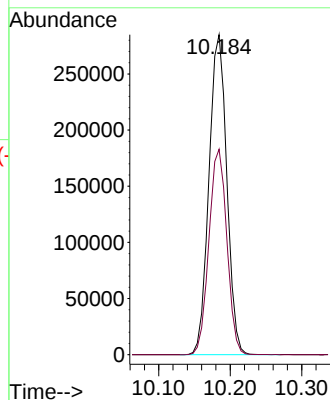
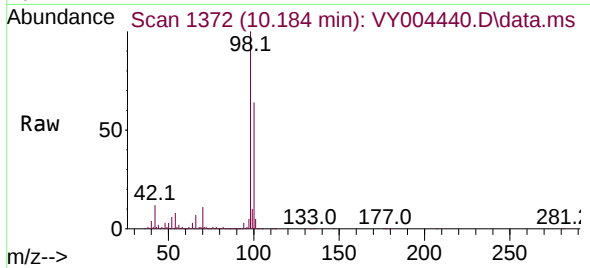




#50
Toluene-d8
Concen: 51.07 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

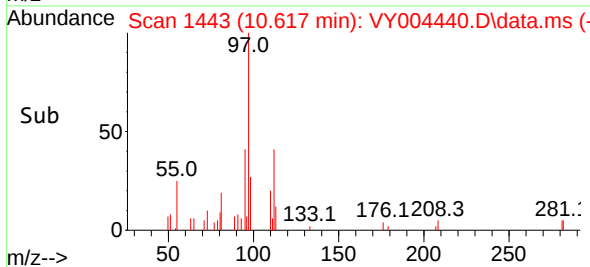
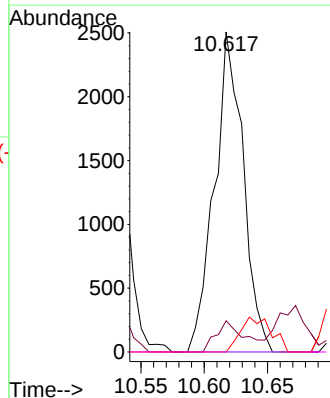
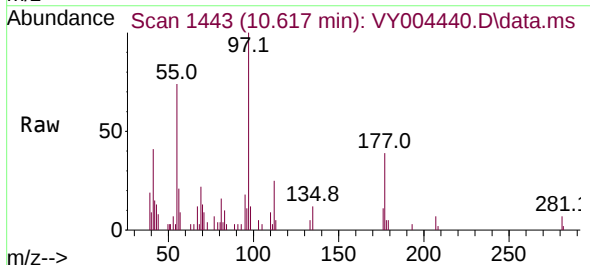
Instrument :
MSVOA_Y
ClientSampled :

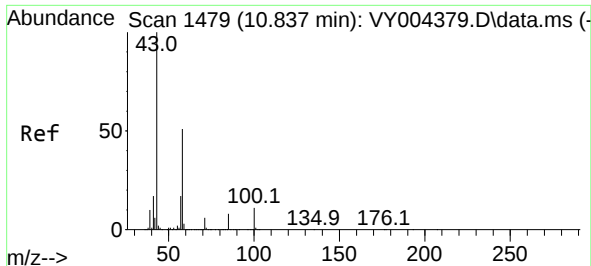
Tgt Ion: 98 Resp: 493008
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 1.79 ug/l
RT: 10.617 min Scan# 1443
Delta R.T. -0.031 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

Tgt Ion: 97 Resp: 3965
Ion Ratio Lower Upper
97 100
83 9.8 68.4 102.6#
85 0.0 46.2 69.4#
99 0.0 48.8 73.2#

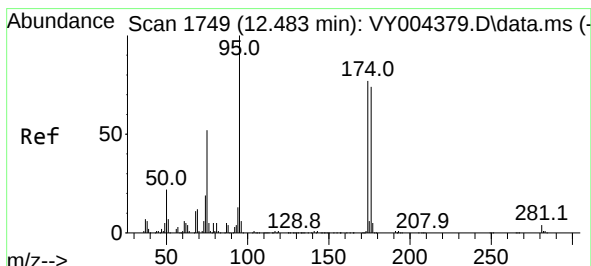
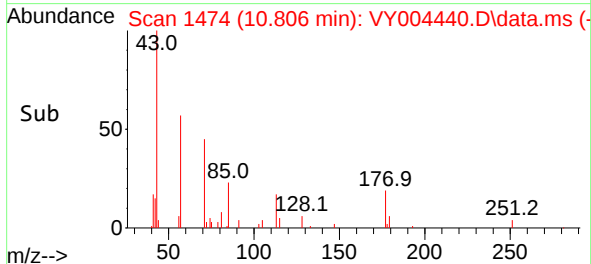
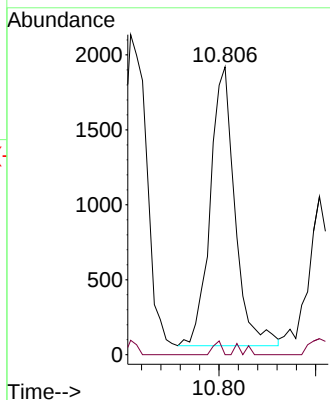
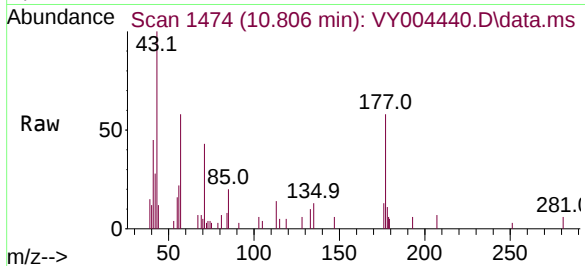




#59
2-Hexanone
Concen: 1.93 ug/l
RT: 10.806 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

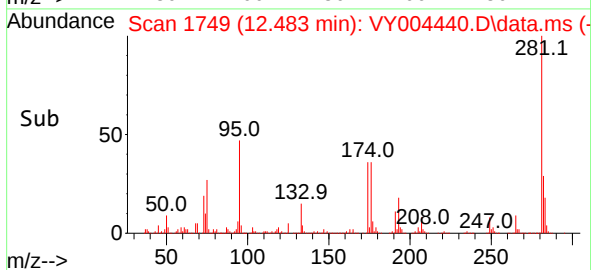
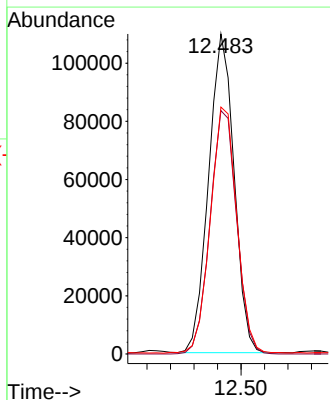
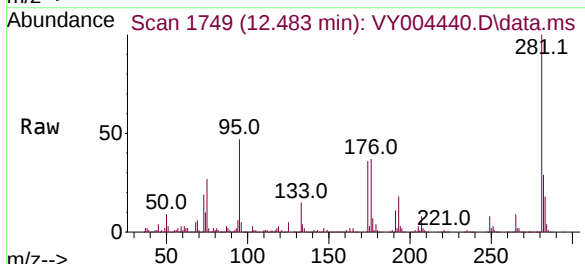
Instrument :
MSVOA_Y
ClientSampled :

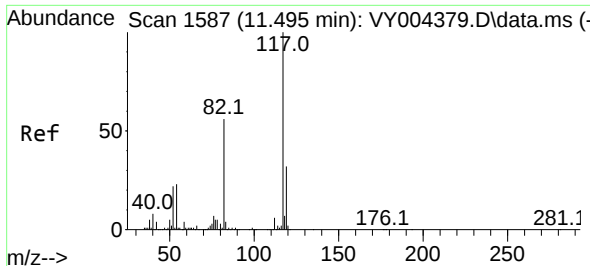
Tgt Ion: 43 Resp: 3304
Ion Ratio Lower Upper
43 100
58 1.7 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 50.32 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

Tgt Ion: 95 Resp: 164841
Ion Ratio Lower Upper
95 100
174 79.7 0.0 162.4
176 80.2 0.0 156.0

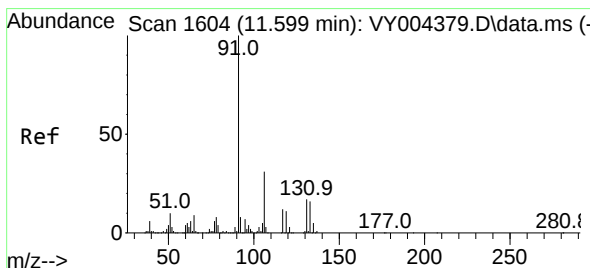
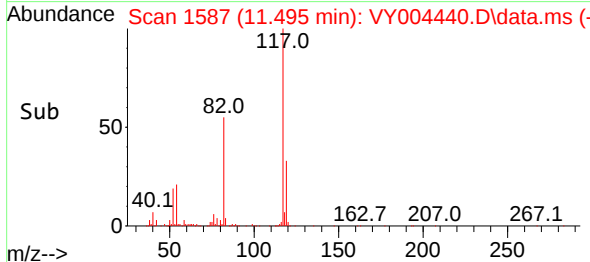
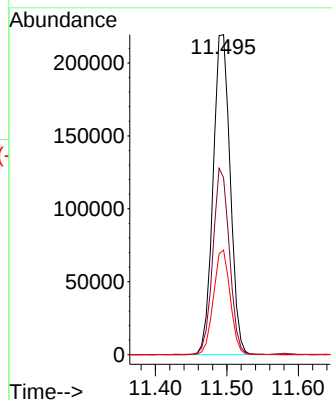
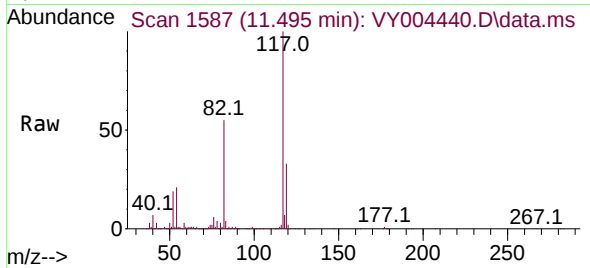




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

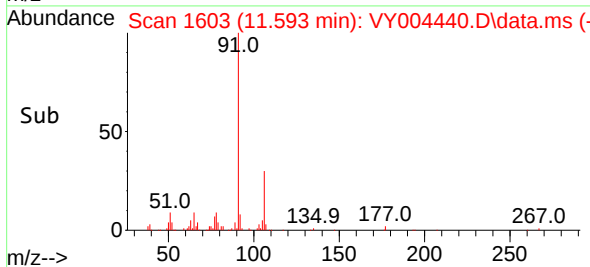
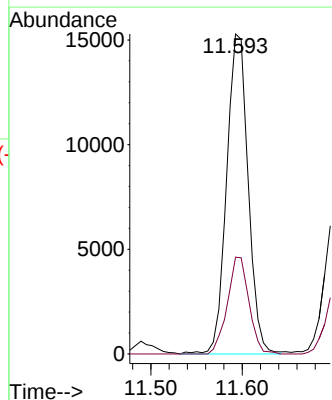
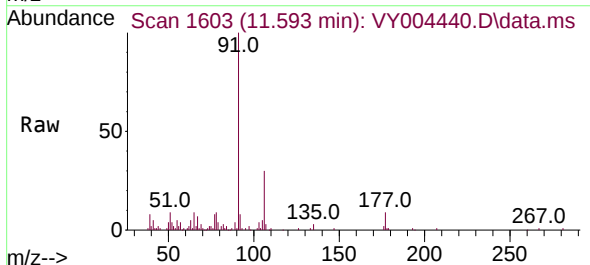
Instrument :
MSVOA_Y
ClientSampled :

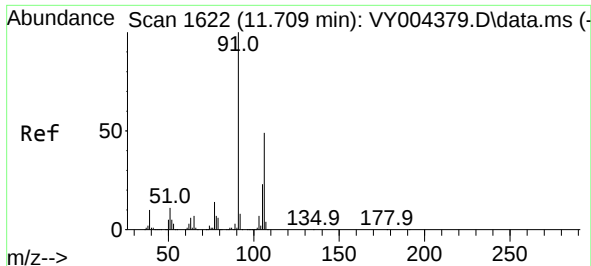
Tgt Ion:117 Resp: 364268
Ion Ratio Lower Upper
117 100
82 55.2 44.9 67.3
119 32.7 25.4 38.0



#67
Ethyl Benzene
Concen: 1.80 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

Tgt Ion: 91 Resp: 25031
Ion Ratio Lower Upper
91 100
106 30.3 25.1 37.7

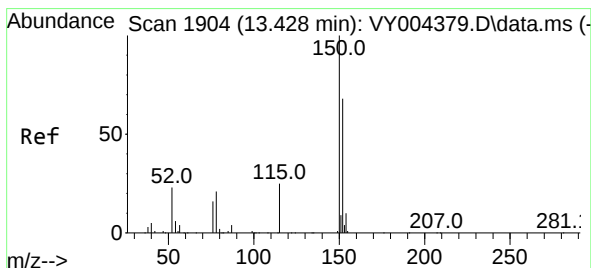
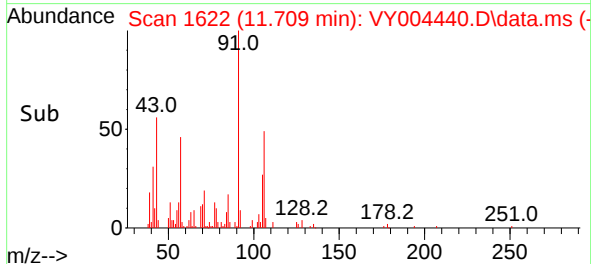
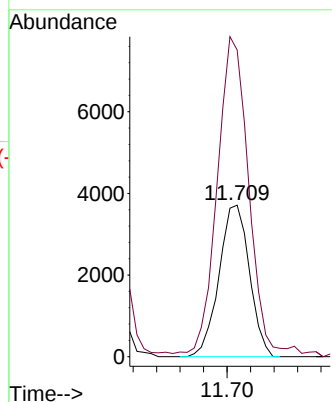
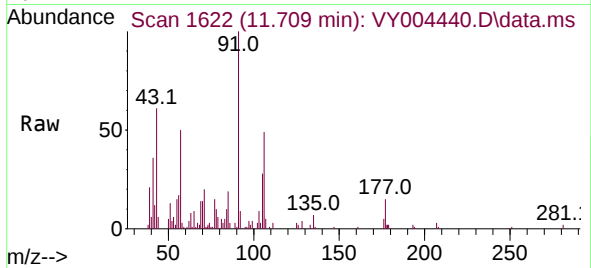




#68
m/p-Xylenes
Concen: 1.29 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

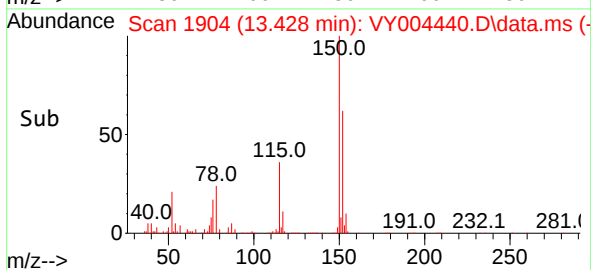
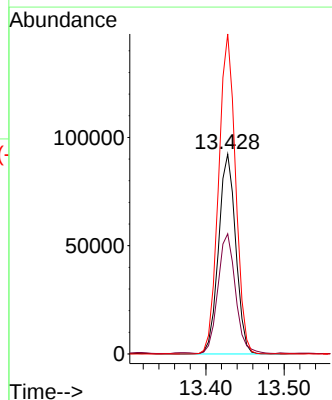
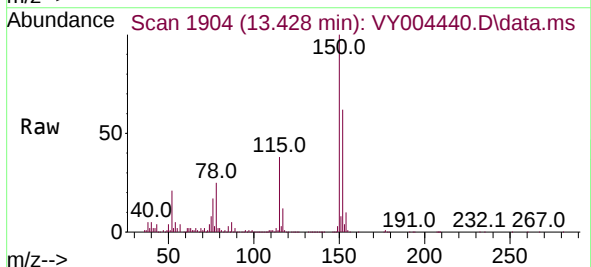
Instrument :
MSVOA_Y
ClientSampled :

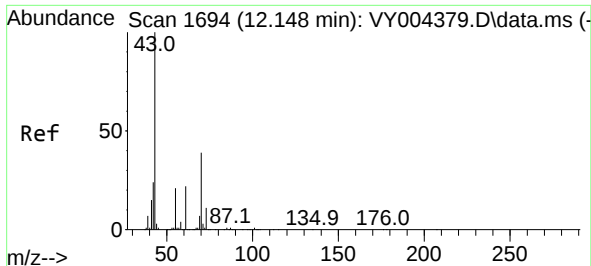
Tgt Ion:106 Resp: 6669
Ion Ratio Lower Upper
106 100
91 222.1 163.2 244.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

Tgt Ion:152 Resp: 140423
Ion Ratio Lower Upper
152 100
115 61.2 29.6 88.8
150 158.5 0.0 348.4

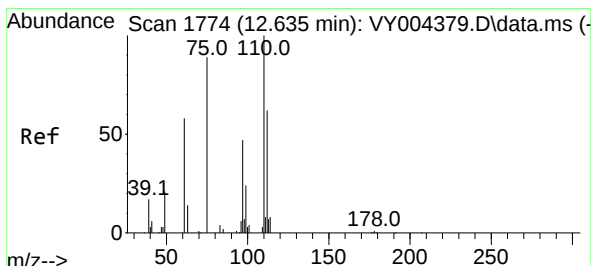
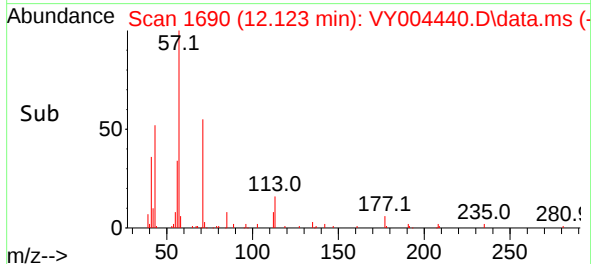
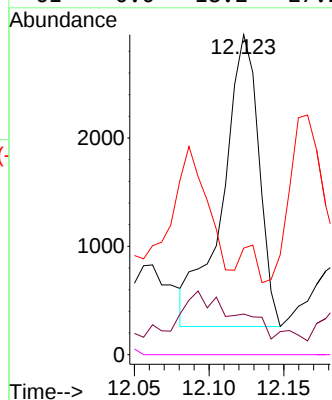
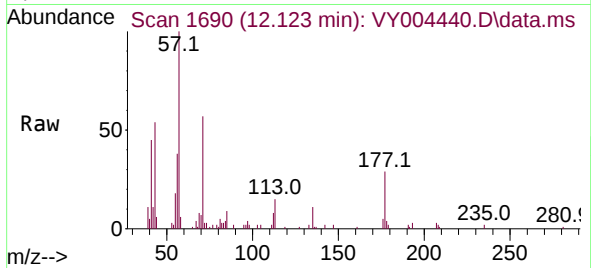




#74
N-amy1 acetate
Concen: 1.25 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.025 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

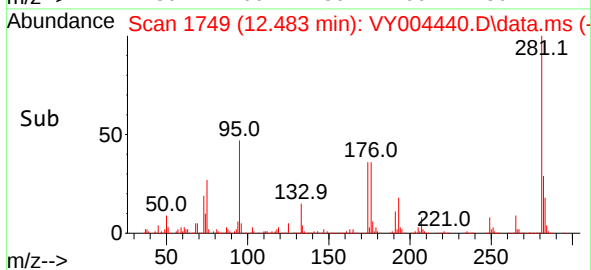
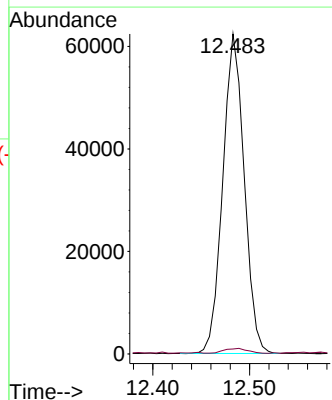
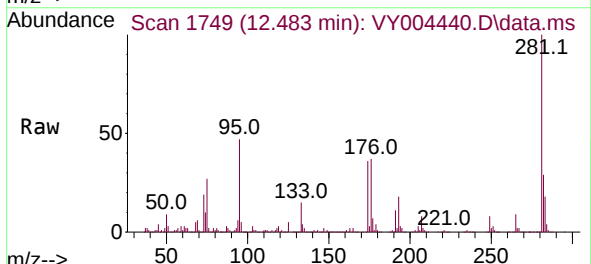
Instrument :
MSVOA_Y
ClientSampleId :

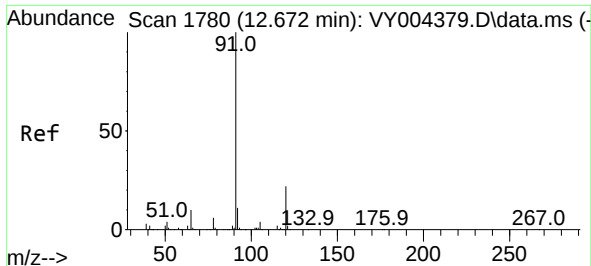
Tgt Ion:	43	Resp:	4558
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.4	45.6#
55	0.0	17.4	26.0#
61	0.0	18.2	27.2#



#76
1,2,3-Trichloropropane
Concen: 63.57 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

Tgt Ion:	75	Resp:	95807
Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#

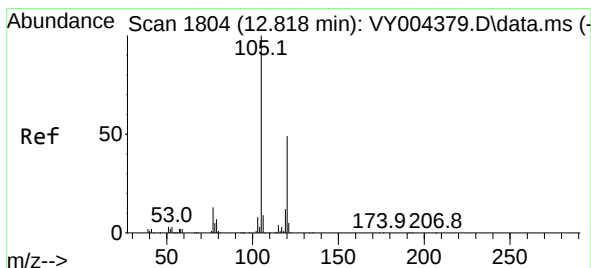
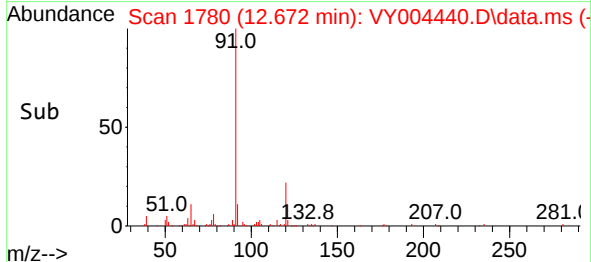
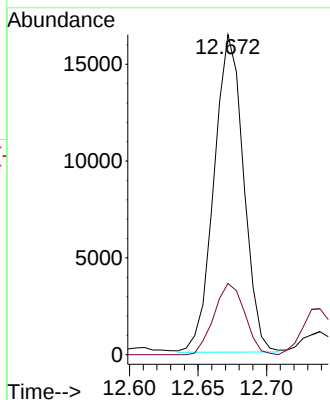
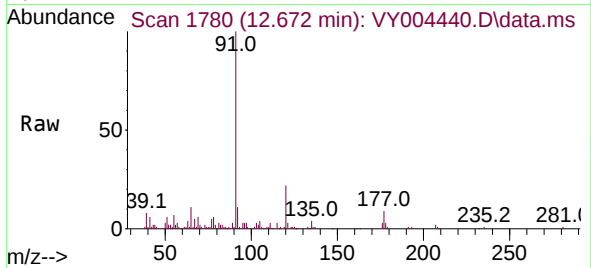




#78
n-propylbenzene
Concen: 1.92 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

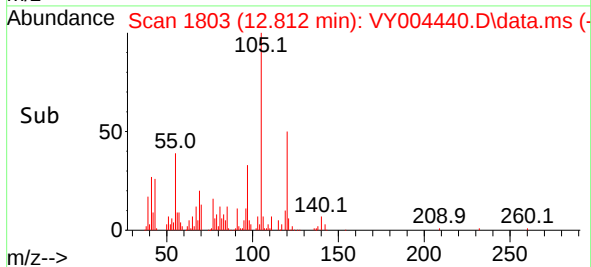
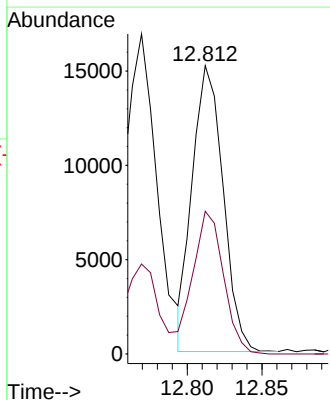
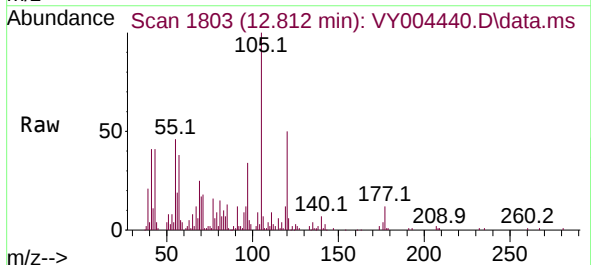
Instrument :
MSVOA_Y
ClientSampled :

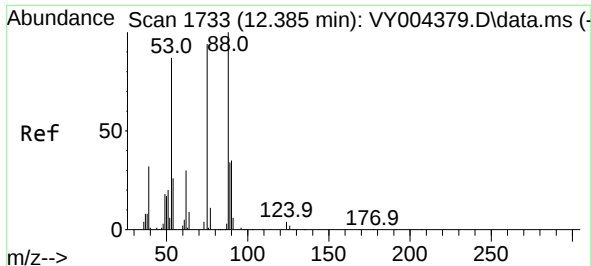
Tgt Ion: 91 Resp: 24597
Ion Ratio Lower Upper
91 100
120 23.2 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 2.46 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

Tgt Ion: 105 Resp: 21707
Ion Ratio Lower Upper
105 100
120 51.0 24.6 74.0

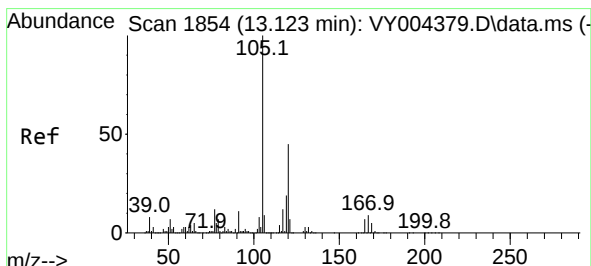
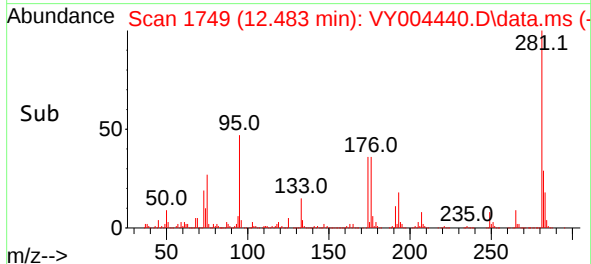
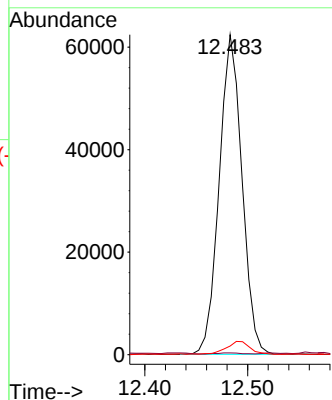
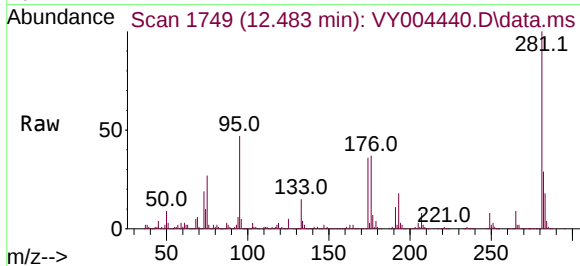




#81
trans-1,4-Dichloro-2-butene
Concen: 113.86 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

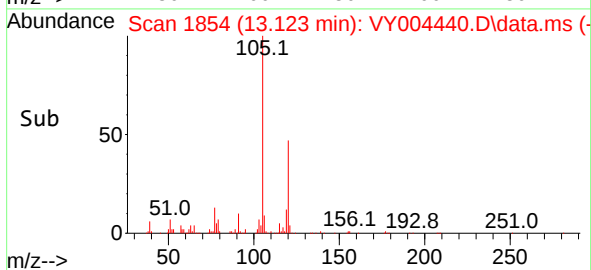
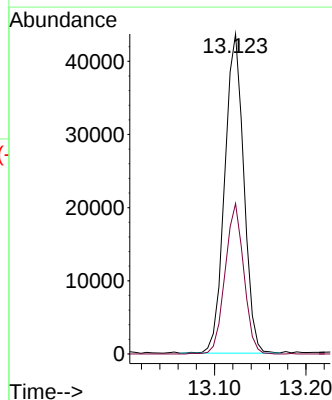
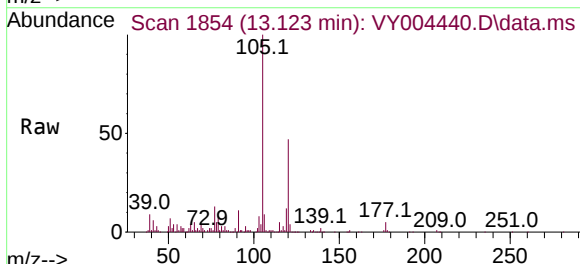
Instrument :
MSVOA_Y
ClientSampled :

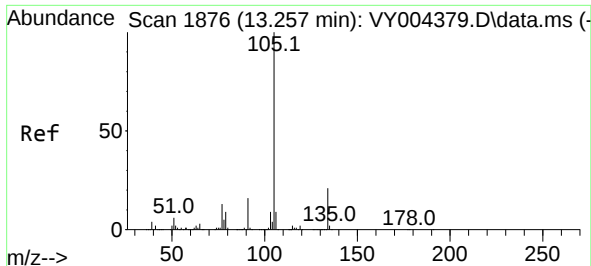
Tgt Ion: 75 Resp: 95927
Ion Ratio Lower Upper
75 100
53 0.4 75.0 112.6#
89 4.3 36.1 54.1#



#84
1,2,4-Trimethylbenzene
Concen: 7.13 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

Tgt Ion: 105 Resp: 63451
Ion Ratio Lower Upper
105 100
120 46.0 22.4 67.3

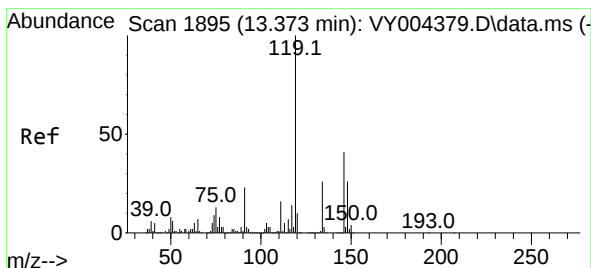
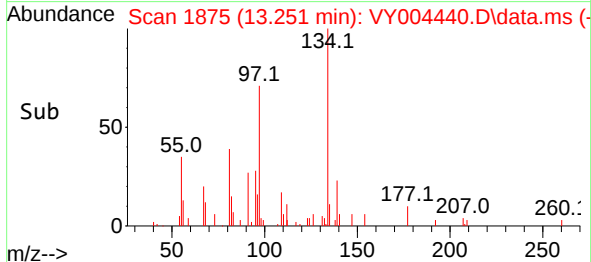
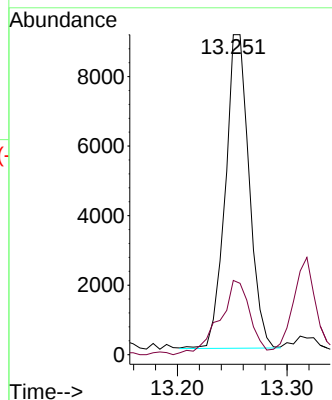
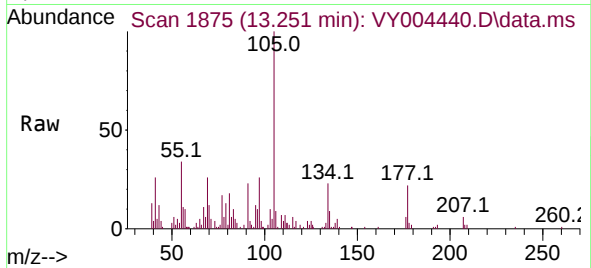




#85
 sec-Butylbenzene
 Concen: 1.29 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.006 min
 Lab File: VY004440.D
 Acq: 15 Apr 2021 14:58

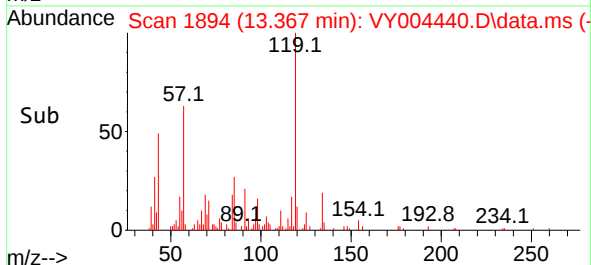
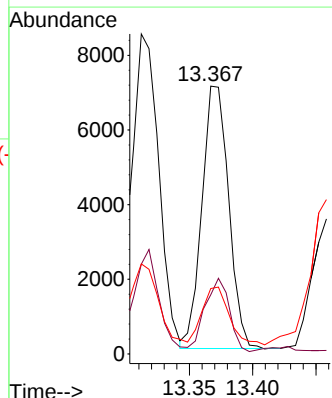
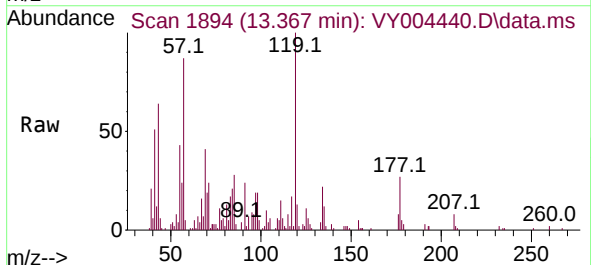
Instrument :
 MSVOA_Y
 ClientSampleId :

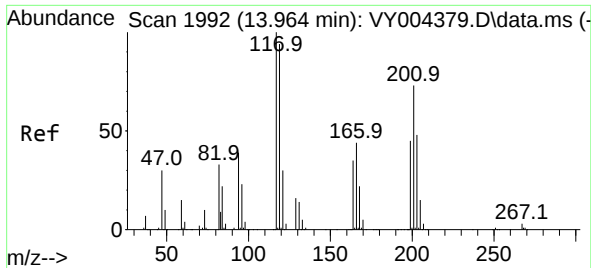
Tgt Ion:105 Resp: 13585
 Ion Ratio Lower Upper
 105 100
 134 30.4 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 1.08 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.006 min
 Lab File: VY004440.D
 Acq: 15 Apr 2021 14:58

Tgt Ion:119 Resp: 10365
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.3 39.8
 91 22.1 11.9 35.7

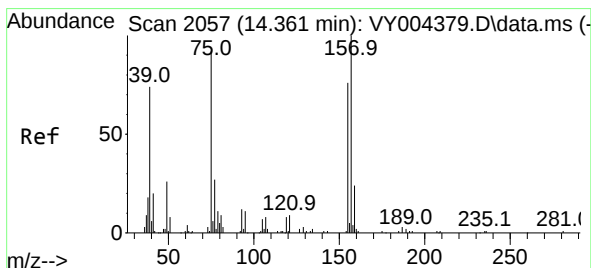
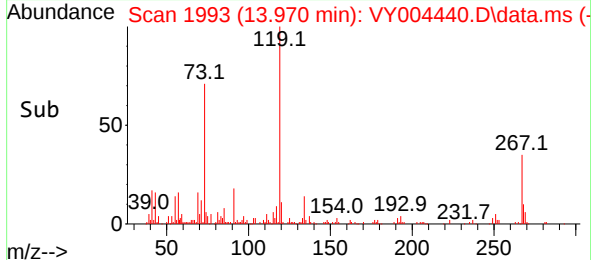
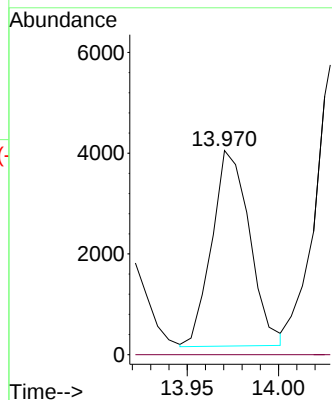
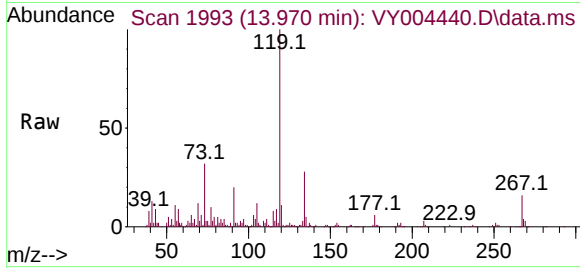




#90
Hexachloroethane
Concen: 4.36 ug/l
RT: 13.970 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

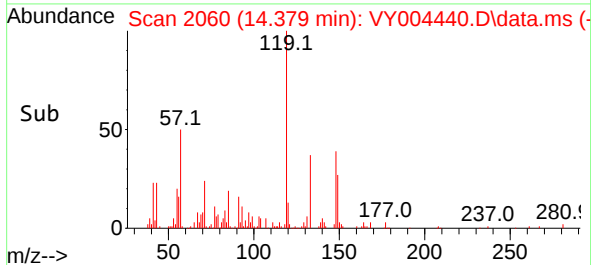
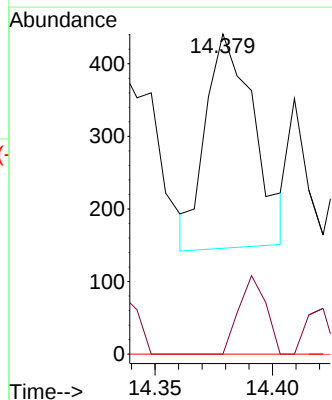
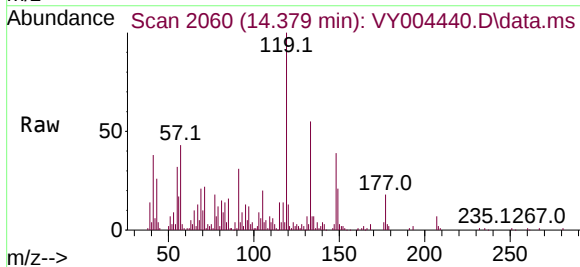
Instrument :
MSVOA_Y
ClientSampled :

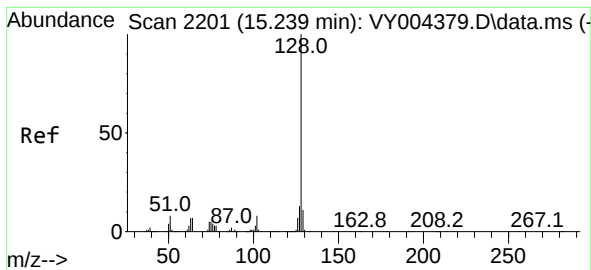
Tgt Ion:117 Resp: 5598
Ion Ratio Lower Upper
117 100
201 0.0 36.6 109.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.15 ug/l
RT: 14.379 min Scan# 2060
Delta R.T. 0.018 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

Tgt Ion: 75 Resp: 423
Ion Ratio Lower Upper
75 100
155 20.3 40.6 121.8#
157 0.0 53.0 159.0#





#95
Naphthalene
Concen: 22.28 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004440.D
Acq: 15 Apr 2021 14:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 129130
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 11.5 8.8 13.2

