

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004435.D
 Acq On : 15 Apr 2021 12:38
 Operator : SY/MD
 Sample : M2034-02
 Misc : 6.87G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1979

Quant Time: Apr 16 05:03:11 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)

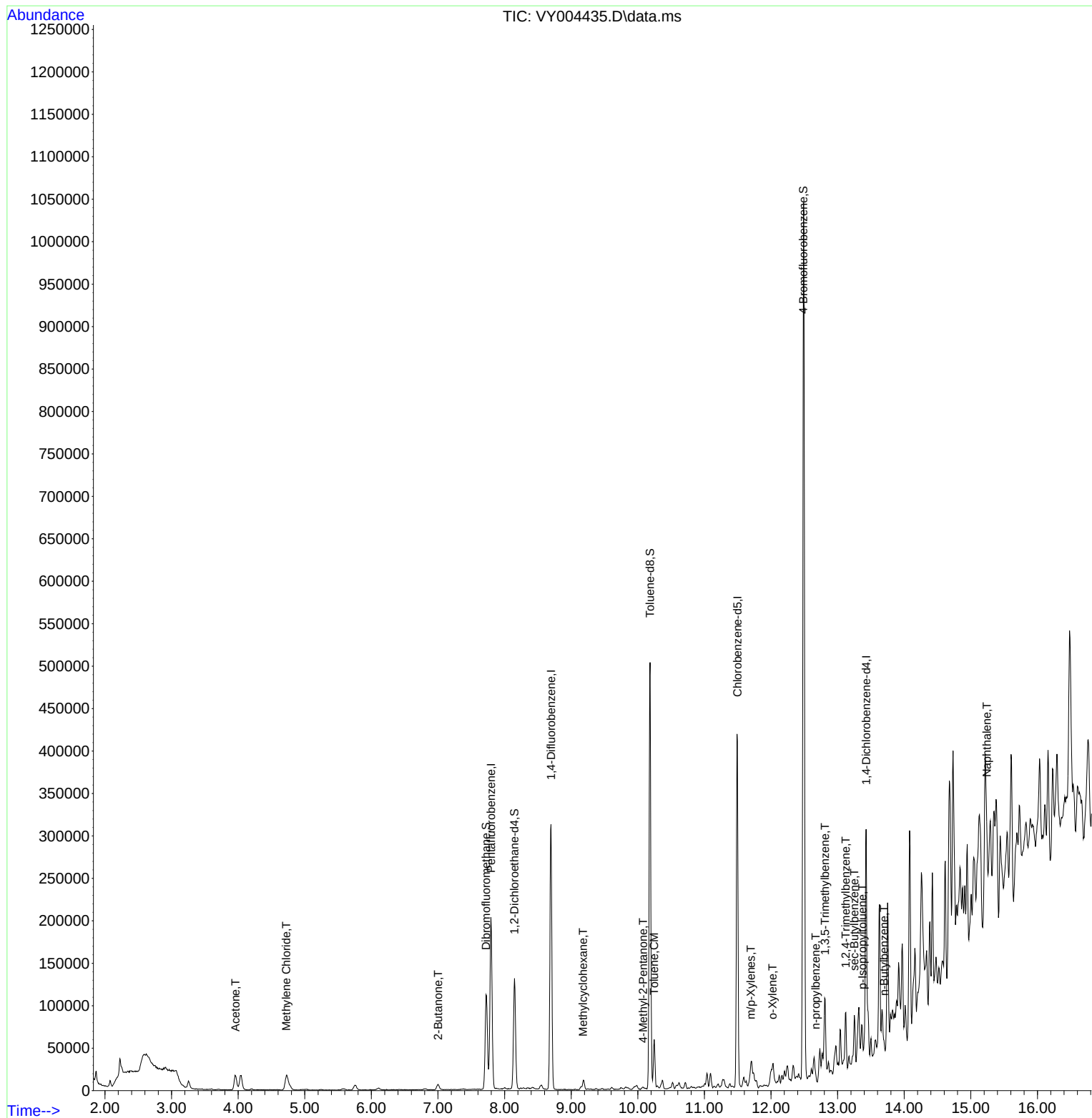
Internal Standards						
1) Pentafluorobenzene	7.795	168	151170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	261952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	216561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64545	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	97383	57.98	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.96%			
35) Dibromofluoromethane	7.722	113	78609	54.07	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.14%			
50) Toluene-d8	10.185	98	308782	49.94	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.88%			
62) 4-Bromofluorobenzene	12.483	95	86249	41.10	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.20%			
Target Compounds					Qvalue	
16) Acetone	3.960	43	31502	74.90	ug/l	94
20) Methylene Chloride	4.722	84	11804	7.28	ug/l	95
25) 2-Butanone	7.002	43	11503	17.98	ug/l	98
39) Methylcyclohexane	9.179	83	4316	1.35	ug/l	100
51) 4-Methyl-2-Pentanone	10.081	43	1655	1.01	ug/l #	88
52) Toluene	10.246	92	23108	4.88	ug/l	100
68) m/p-Xylenes	11.697	106	6520	2.12	ug/l	98
69) o-Xylene	12.026	106	4738	1.65	ug/l	99
78) n-propylbenzene	12.672	91	6959	1.18	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	18196	4.49	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	35512	8.68	ug/l	99
85) sec-Butylbenzene	13.251	105	35166	7.27	ug/l	97
86) p-Isopropyltoluene	13.373	119	12153	2.76	ug/l	97
89) n-Butylbenzene	13.696	91	4600	1.09	ug/l #	63
95) Naphthalene	15.239	128	73890	27.73	ug/l #	96

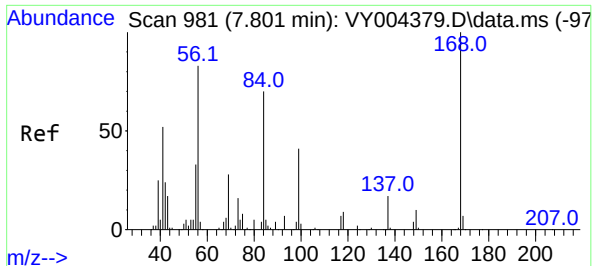
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

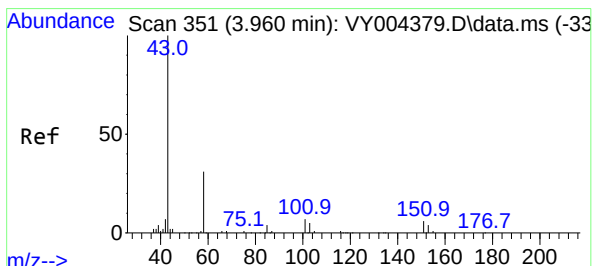
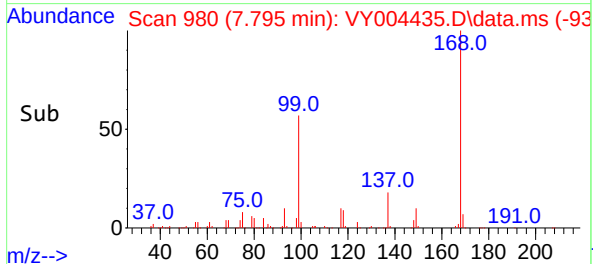
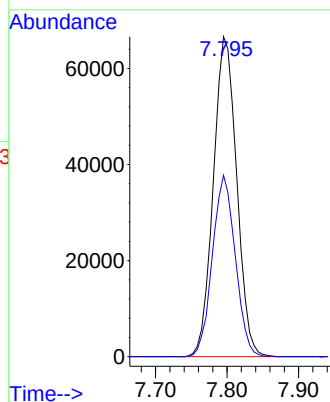
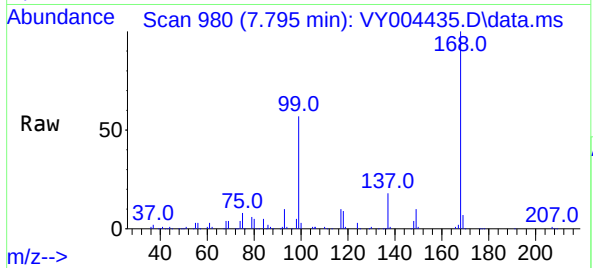




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

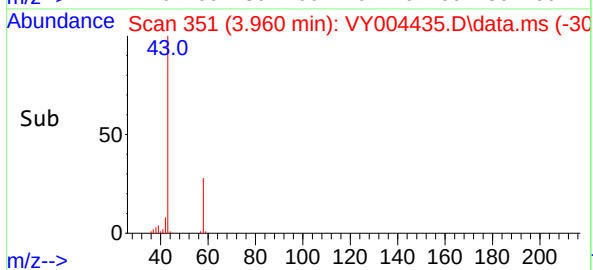
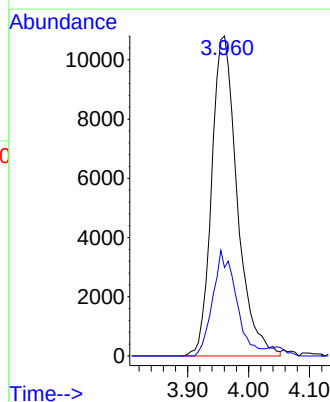
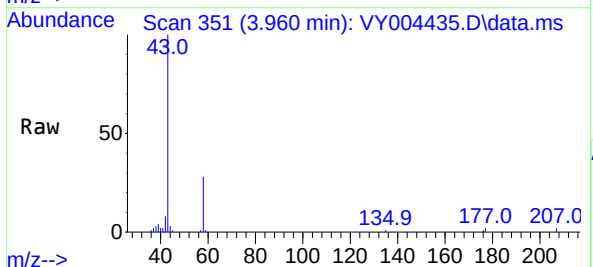
Instrument :
MSVOA_Y
ClientSampleId :
1979

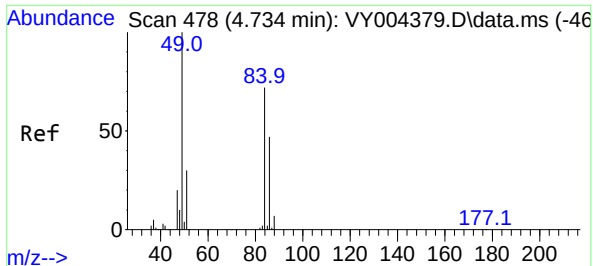
Tgt Ion:168 Resp: 151170
Ion Ratio Lower Upper
168 100
99 56.7 45.5 68.3



#16
Acetone
Concen: 74.90 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion: 43 Resp: 31502
Ion Ratio Lower Upper
43 100
58 27.6 24.6 37.0

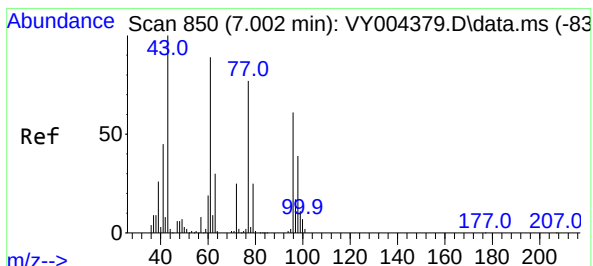
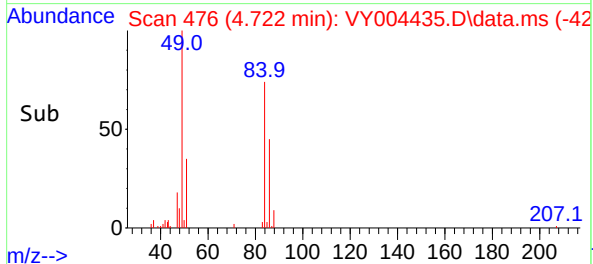
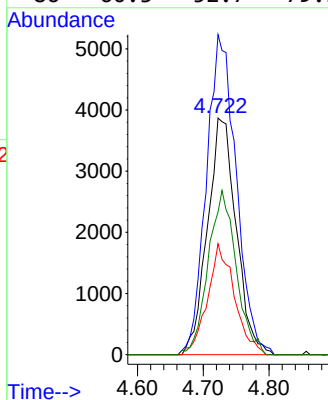
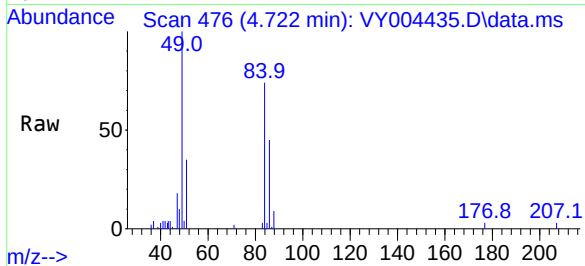




#20
Methylene Chloride
Concen: 7.28 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.012 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

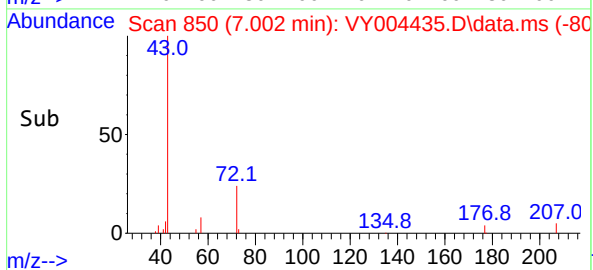
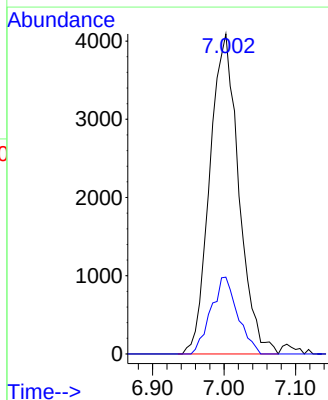
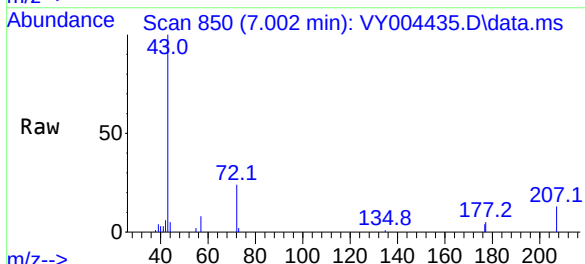
Instrument :
MSVOA_Y
ClientSampled :
1979

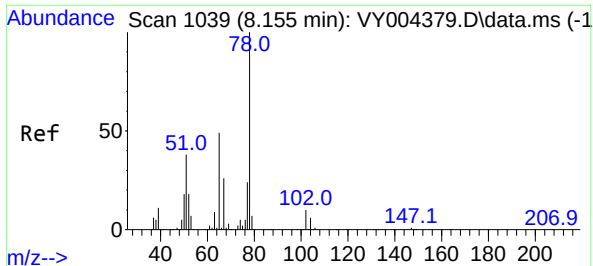
Tgt Ion:	84	Resp:	11804
Ion	Ratio	Lower	Upper
84	100		
49	135.2	111.2	166.8
51	46.9	33.4	50.2
86	60.3	52.7	79.1



#25
2-Butanone
Concen: 17.98 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion:	43	Resp:	11503
Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.2	30.2

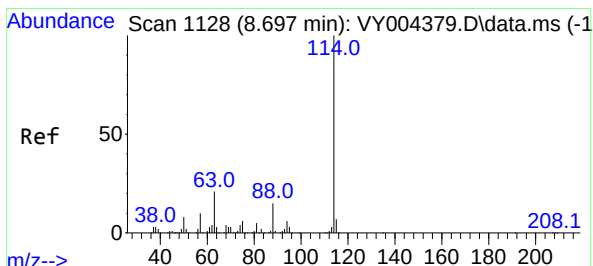
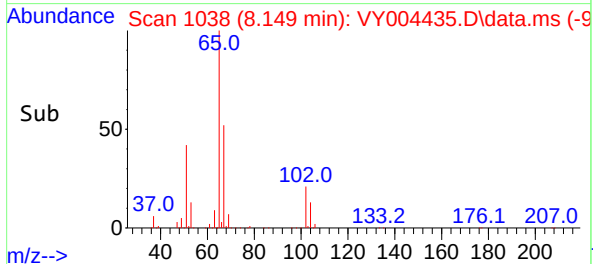
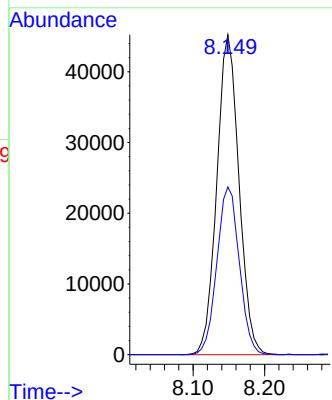
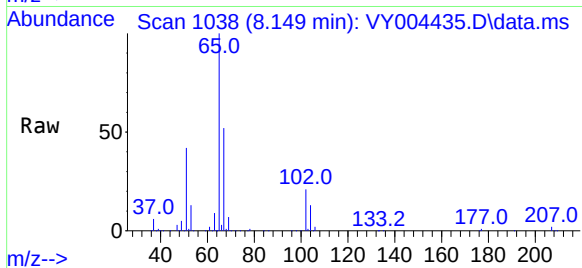




#33
1,2-Dichloroethane-d4
Concen: 57.98 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

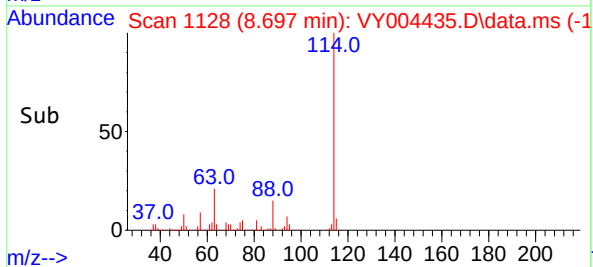
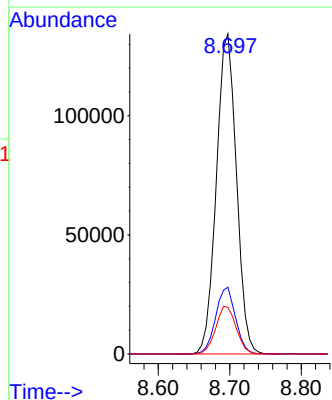
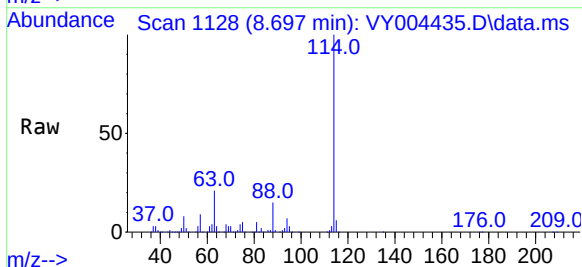
Instrument :
MSVOA_Y
ClientSampleId :
1979

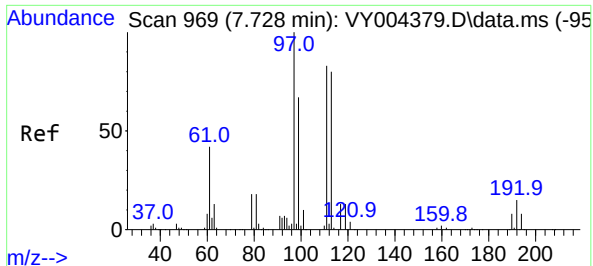
Tgt Ion: 65 Resp: 97383
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion:114 Resp: 261952
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.4
88 14.6 0.0 30.8

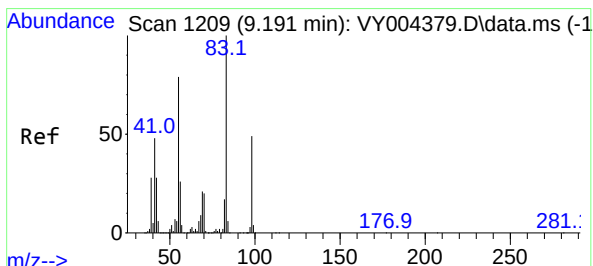
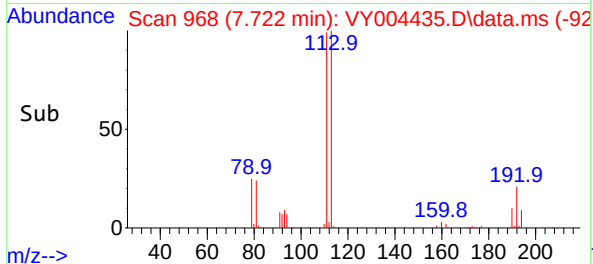
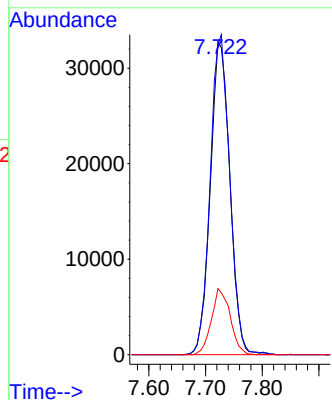
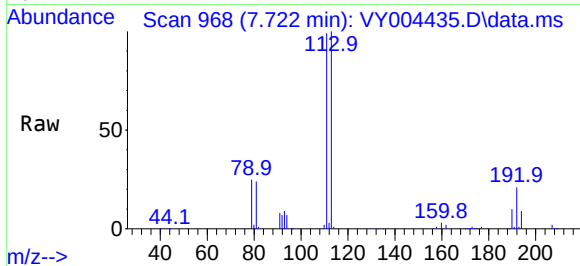




#35
Dibromofluoromethane
Concen: 54.07 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

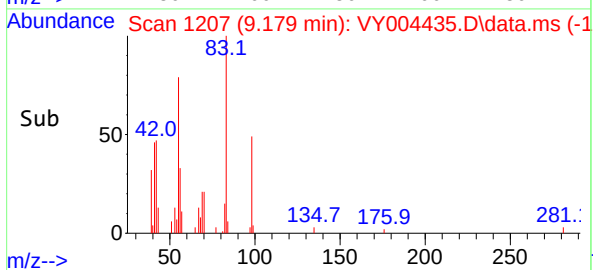
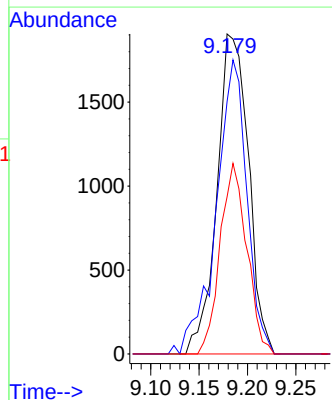
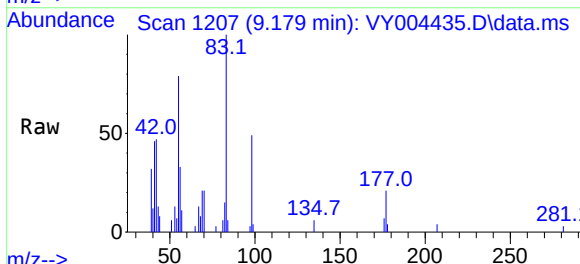
Instrument :
MSVOA_Y
ClientSampleId :
1979

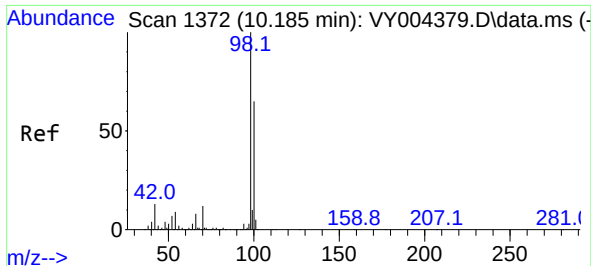
Tgt Ion:113 Resp: 78609
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 20.3 16.1 24.1



#39
Methylcyclohexane
Concen: 1.35 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.012 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion: 83 Resp: 4316
Ion Ratio Lower Upper
83 100
55 78.9 63.0 94.4
98 49.1 39.2 58.8

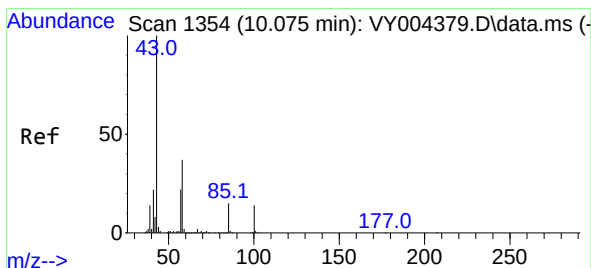
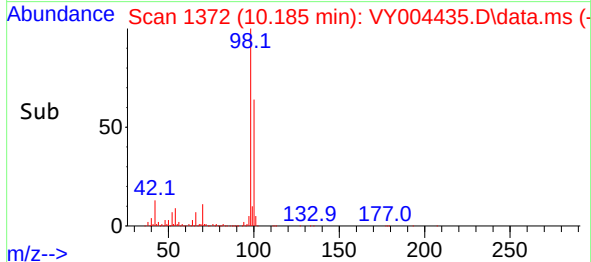
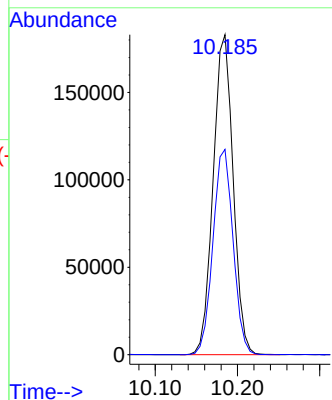
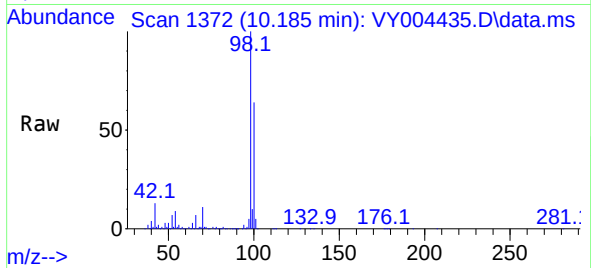




#50
Toluene-d8
Concen: 49.94 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

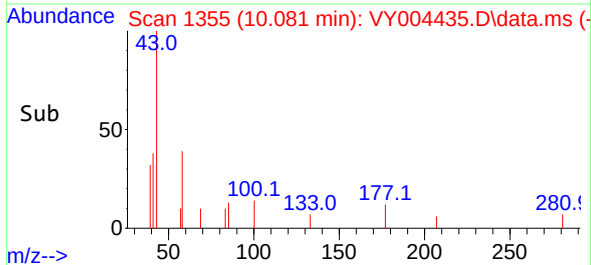
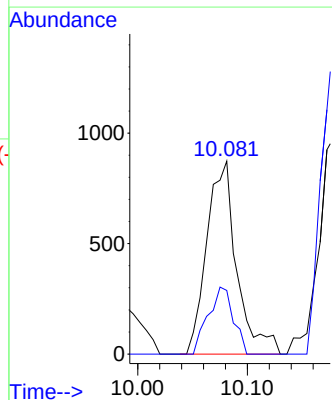
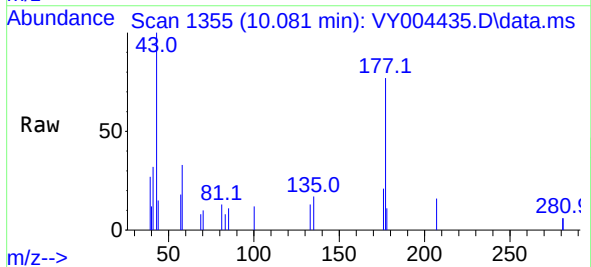
Instrument :
MSVOA_Y
ClientSampled :
1979

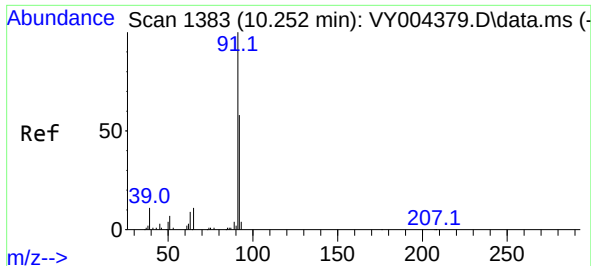
Tgt Ion: 98 Resp: 308782
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.01 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion: 43 Resp: 1655
Ion Ratio Lower Upper
43 100
58 29.2 29.2 43.8#

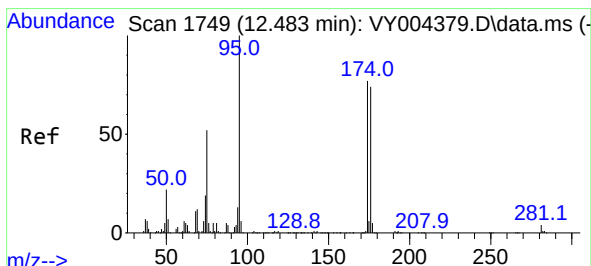
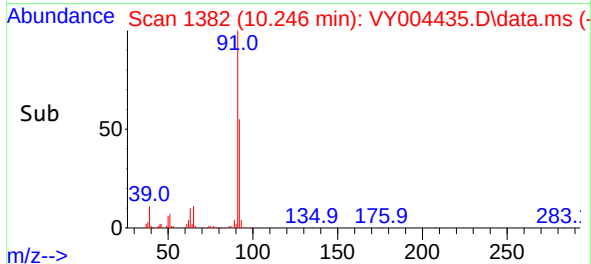
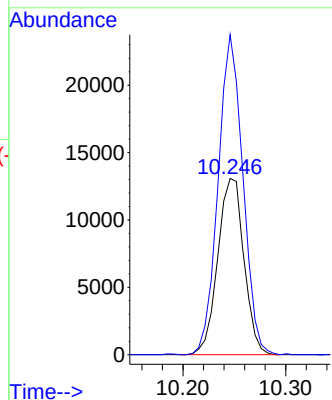
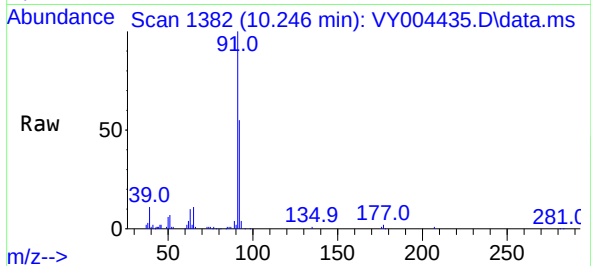




#52
Toluene
Concen: 4.88 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

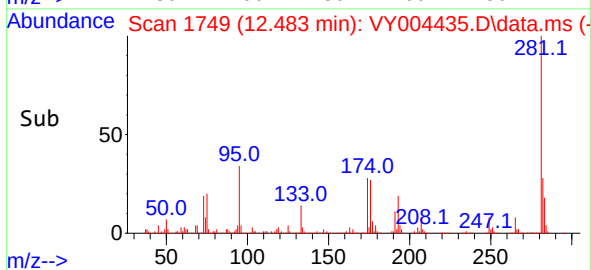
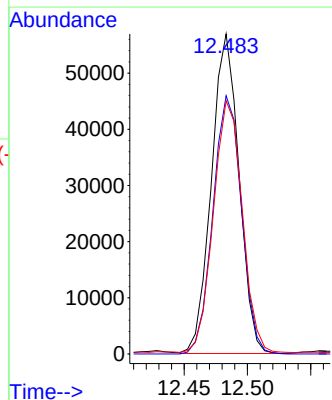
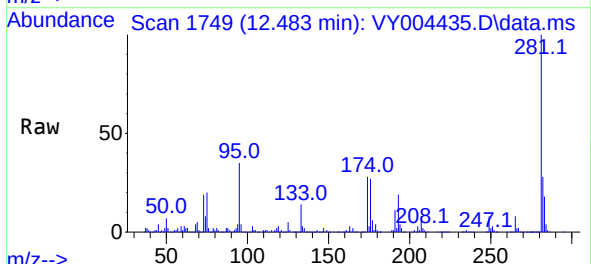
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ClientSampleId :
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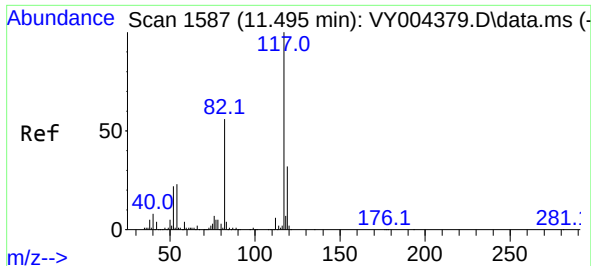
Tgt Ion: 92 Resp: 23108
Ion Ratio Lower Upper
92 100
91 172.1 137.8 206.6



#62
4-Bromofluorobenzene
Concen: 41.10 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion: 95 Resp: 86249
Ion Ratio Lower Upper
95 100
174 83.4 0.0 162.4
176 82.0 0.0 156.0

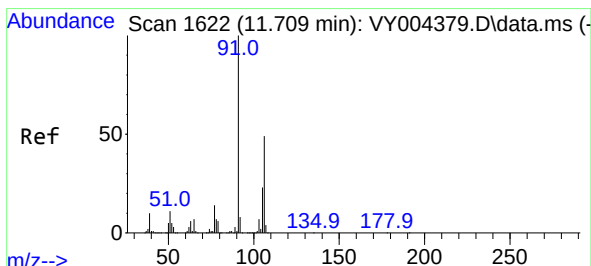
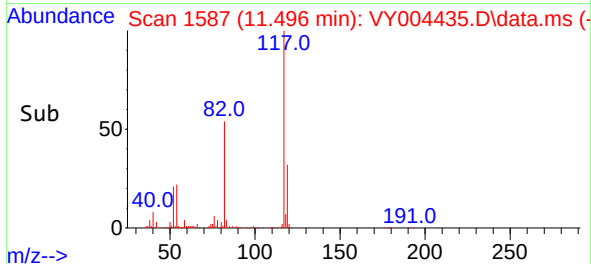
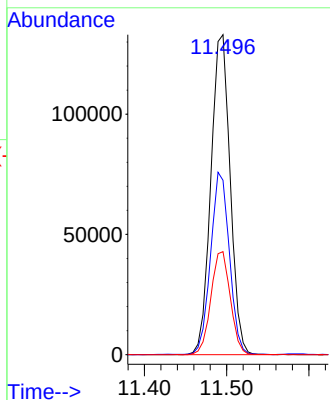
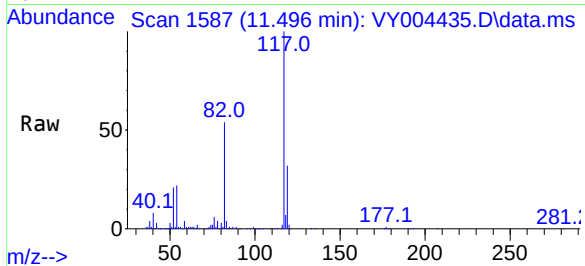




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

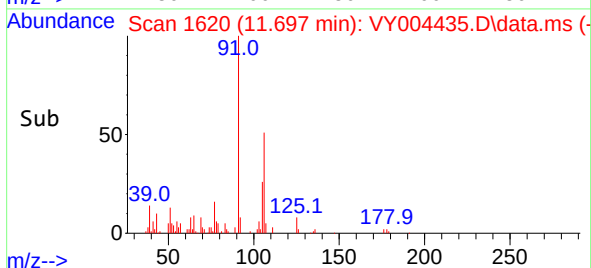
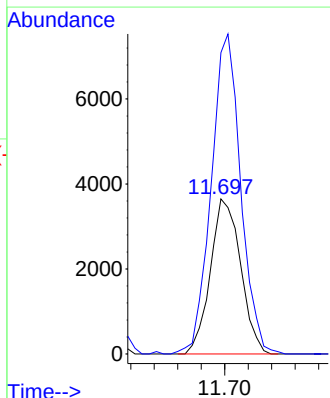
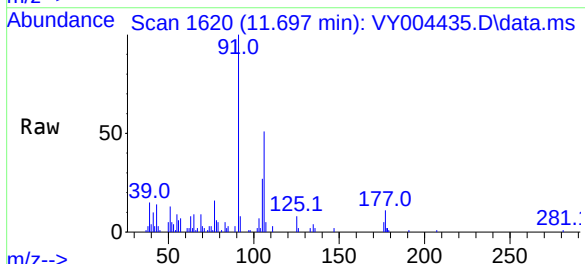
Instrument :
MSVOA_Y
ClientSampleId :
1979

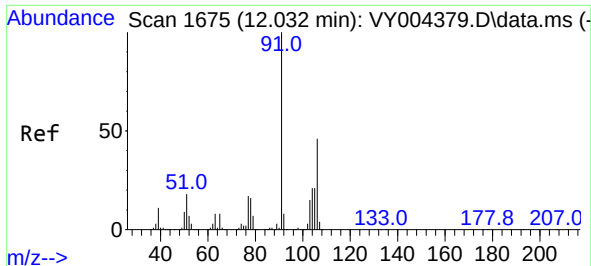
Tgt Ion:	117	Resp:	216561
Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.9	67.3
119	32.2	25.4	38.0



#68
m/p-Xylenes
Concen: 2.12 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.012 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion:	106	Resp:	6520
Ion	Ratio	Lower	Upper
106	100		
91	201.3	163.2	244.8

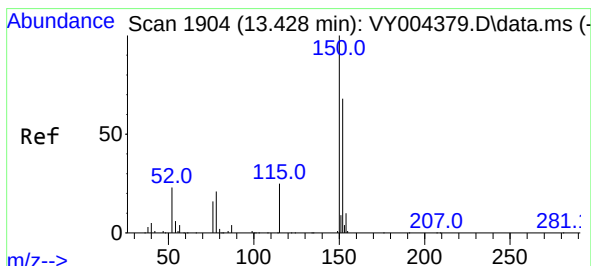
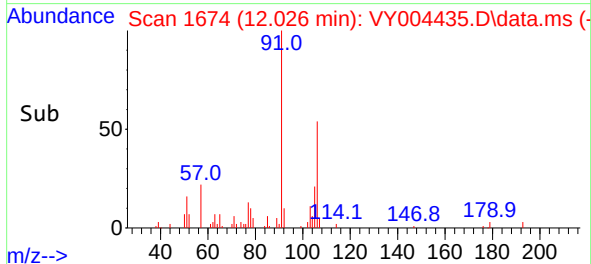
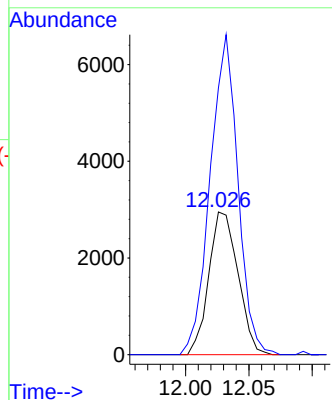
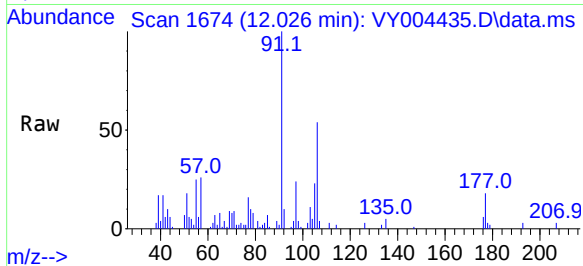




#69
o-Xylene
Concen: 1.65 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

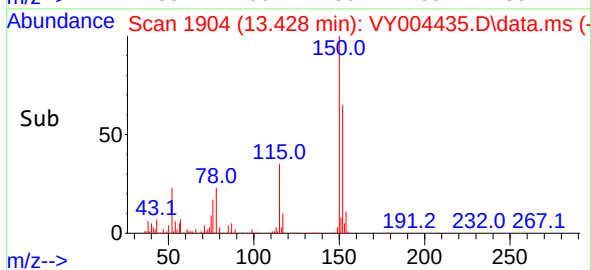
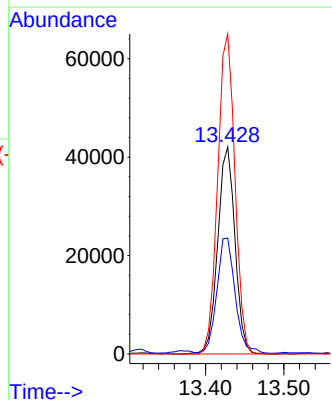
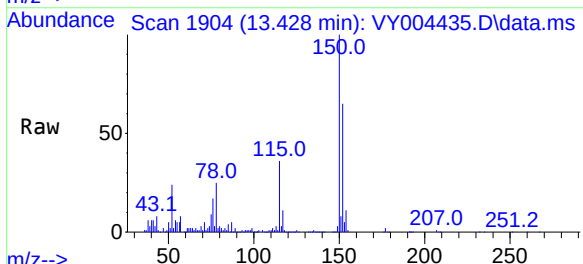
Instrument :
MSVOA_Y
ClientSampled :
1979

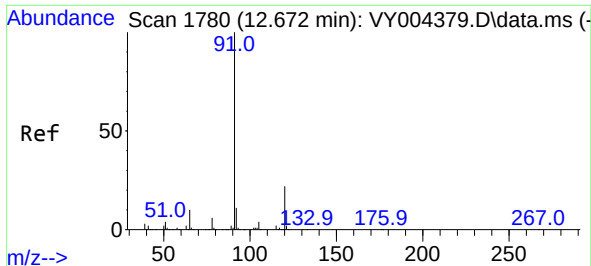
Tgt Ion:106 Resp: 4738
Ion Ratio Lower Upper
106 100
91 213.1 107.4 322.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion:152 Resp: 64545
Ion Ratio Lower Upper
152 100
115 59.0 29.6 88.8
150 154.6 0.0 348.4

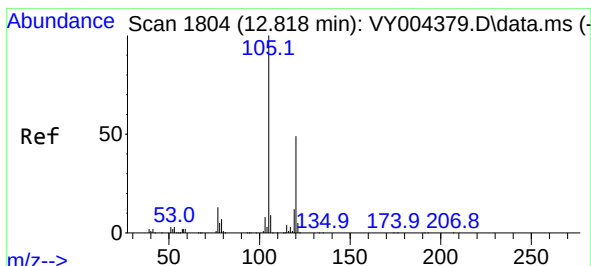
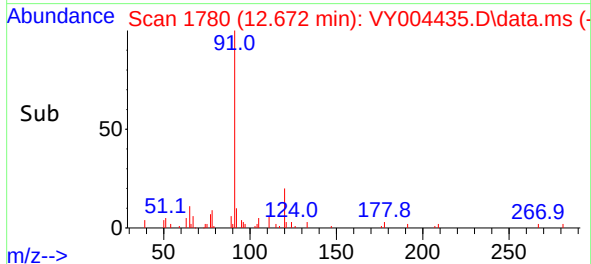
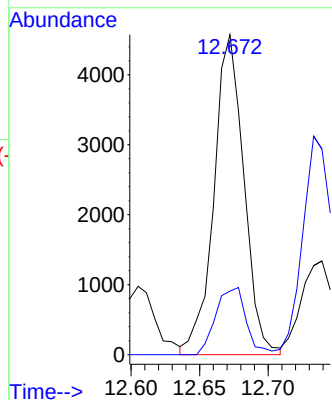
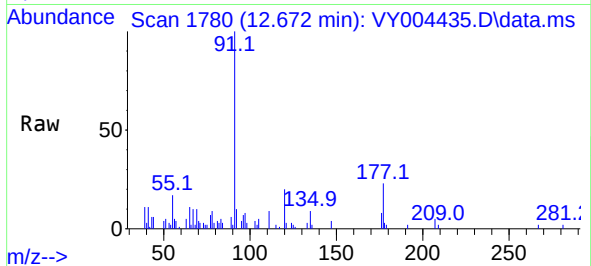




#78
n-propylbenzene
Concen: 1.18 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

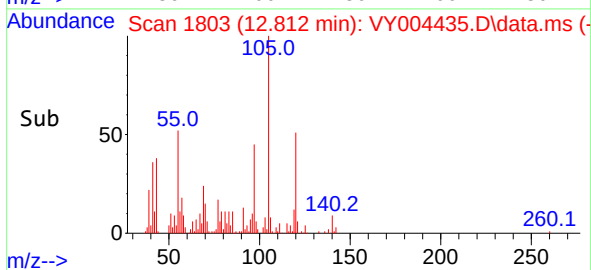
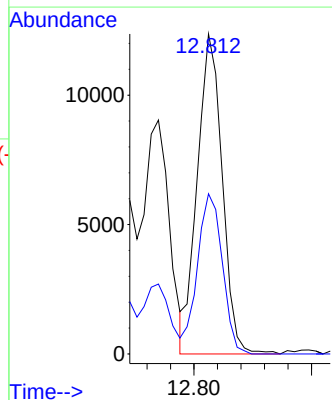
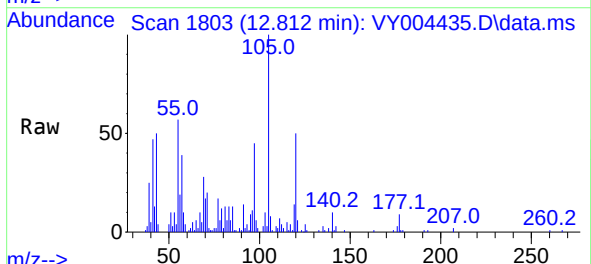
Instrument :
MSVOA_Y
ClientSampled :
1979

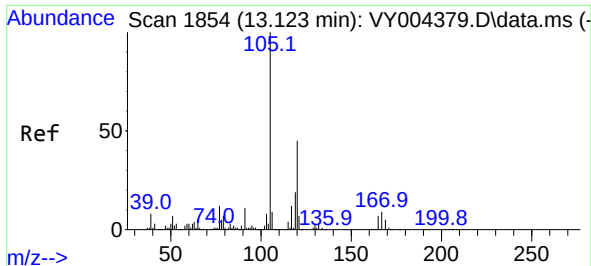
Tgt Ion: 91 Resp: 6959
Ion Ratio Lower Upper
91 100
120 21.2 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 4.49 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion: 105 Resp: 18196
Ion Ratio Lower Upper
105 100
120 50.2 24.6 74.0

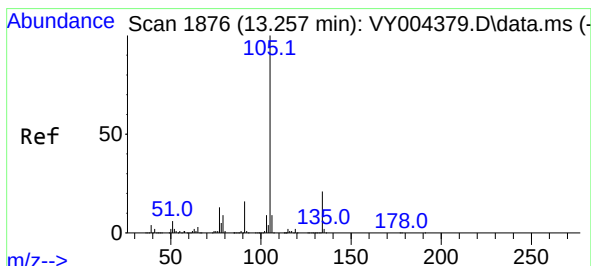
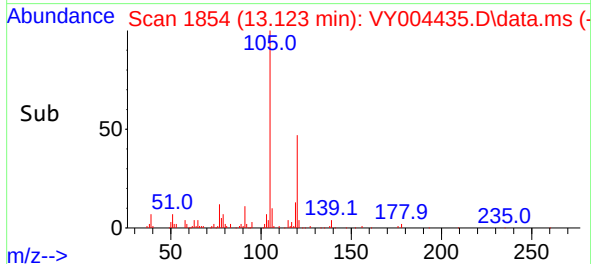
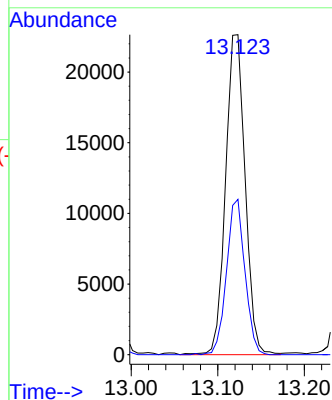
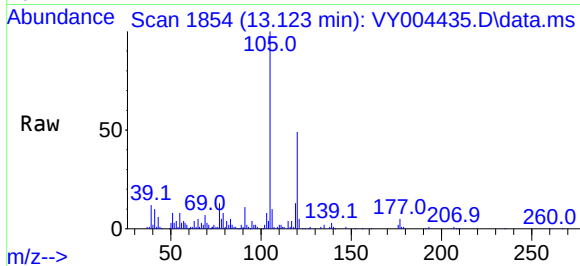




#84
1,2,4-Trimethylbenzene
Concen: 8.68 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

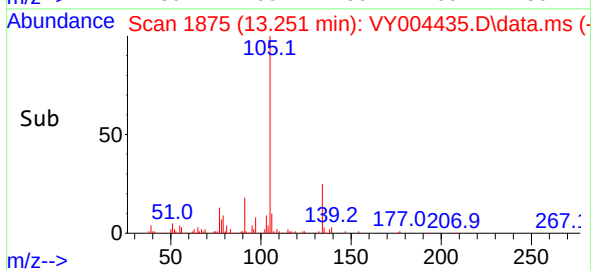
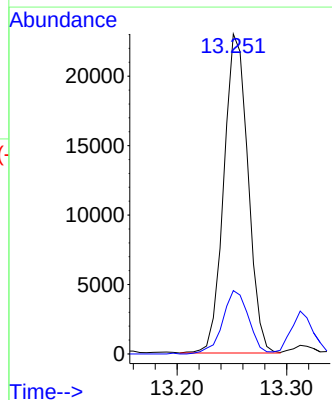
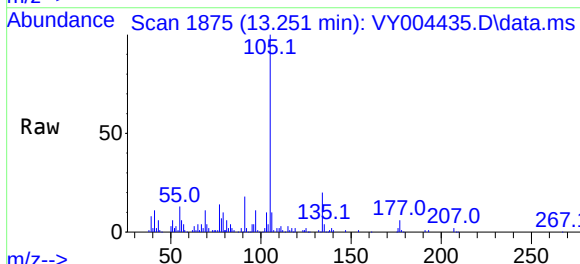
Tgt Ion:105 Resp: 35512
Ion Ratio Lower Upper
105 100
120 45.7 22.4 67.3

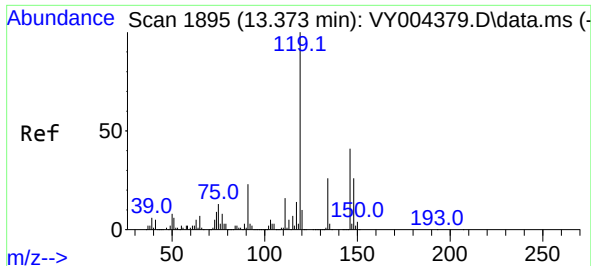
Instrument :
MSVOA_Y
ClientSampled :
1979



#85
sec-Butylbenzene
Concen: 7.27 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion:105 Resp: 35166
Ion Ratio Lower Upper
105 100
134 21.4 10.1 30.3

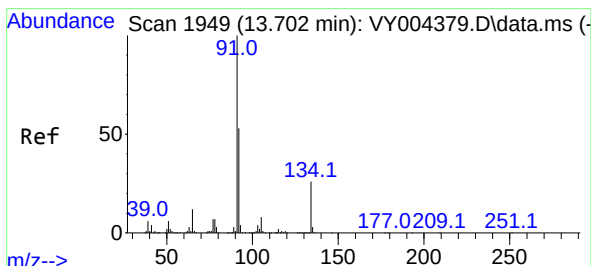
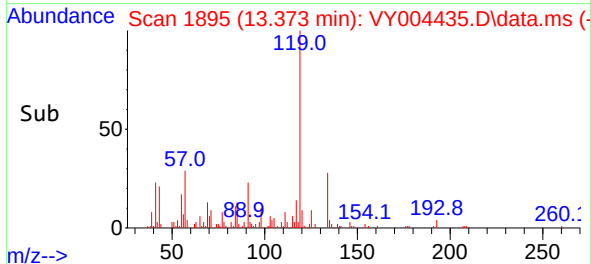
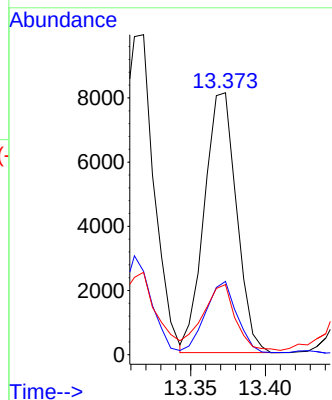
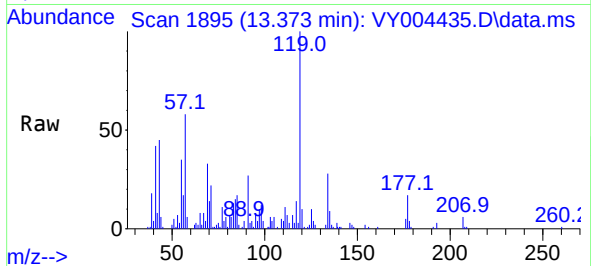




#86
p-Isopropyltoluene
Concen: 2.76 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

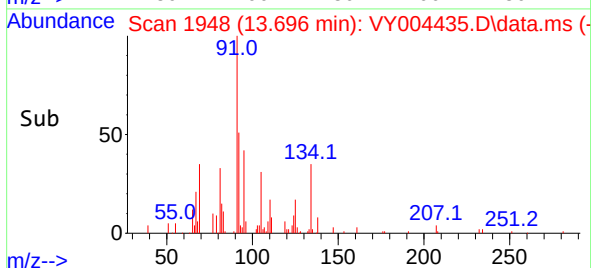
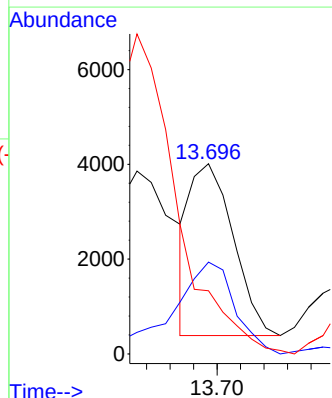
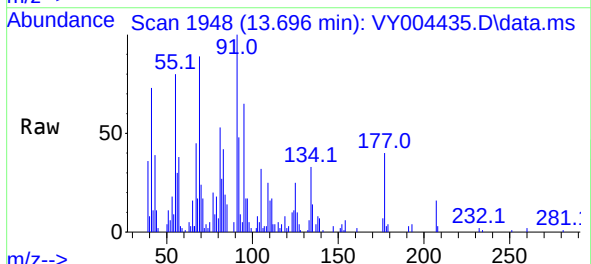
Instrument :
MSVOA_Y
ClientSampled :
1979

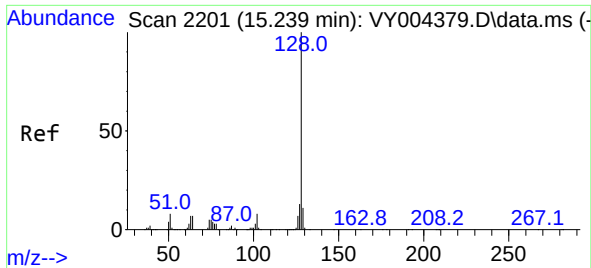
Tgt Ion:	119	Resp:	12153
Ion	Ratio	Lower	Upper
119	100		
134	28.6	13.3	39.8
91	25.2	11.9	35.7



#89
n-Butylbenzene
Concen: 1.09 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Tgt Ion:	91	Resp:	4600
Ion	Ratio	Lower	Upper
91	100		
92	75.1	26.6	79.8
134	0.0	12.7	38.1#





#95
Naphthalene
Concen: 27.73 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004435.D
Acq: 15 Apr 2021 12:38

Instrument :
MSVOA_Y
ClientSampleId :
1979

Tgt Ion:128 Resp: 73890
Ion Ratio Lower Upper
128 100
127 15.6 10.2 15.2#
129 11.5 8.8 13.2

