

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043021\
 Data File : VY004684.D
 Acq On : 30 Apr 2021 13:55
 Operator : SY/MD
 Sample : M2225-01RE
 Misc : 7.61G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-042921

Quant Time: May 01 00:39:45 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)

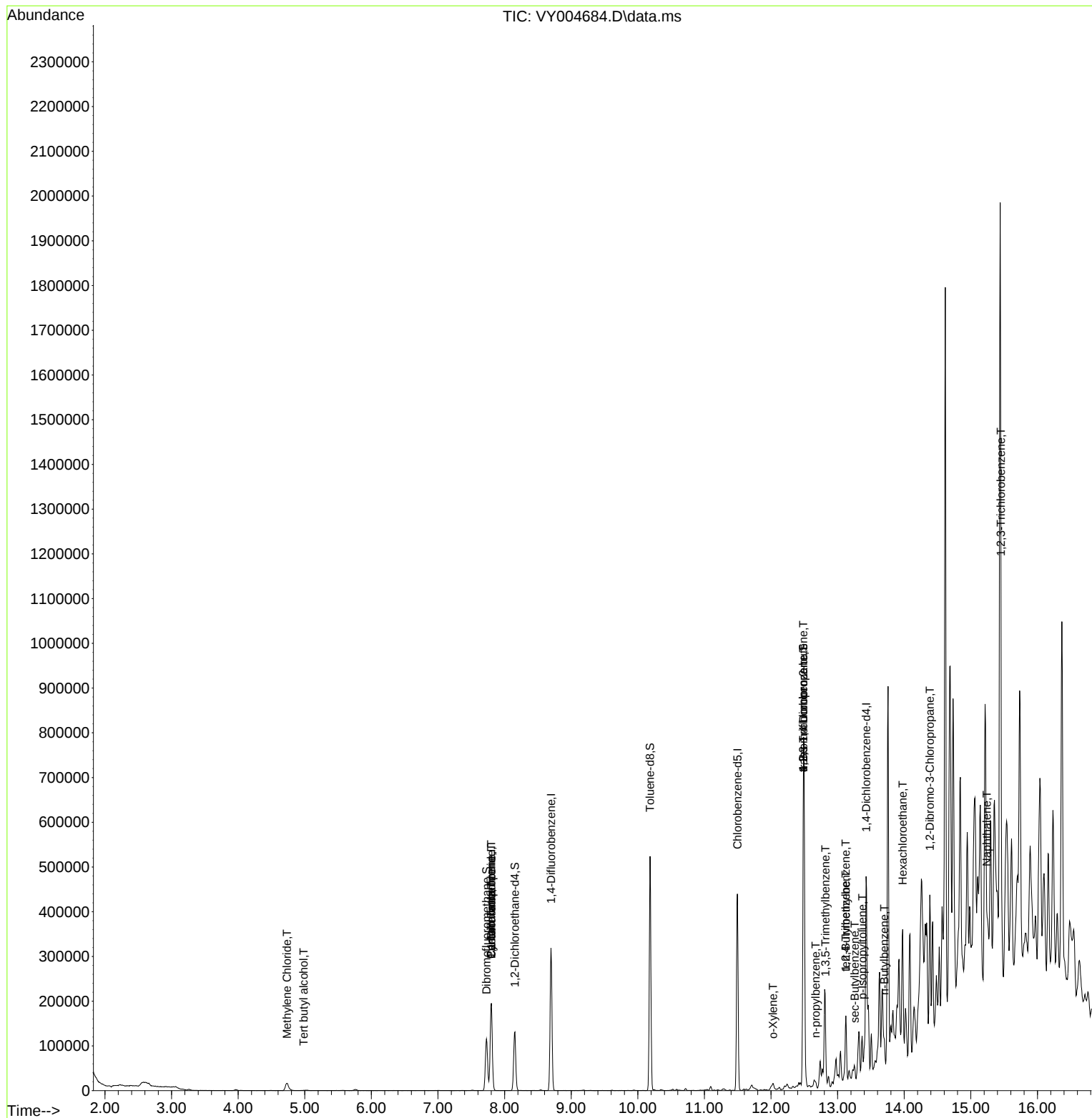
Internal Standards						
1) Pentafluorobenzene	7.801	168	145591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	258652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	226239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88820	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	101938	63.02	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.04%			
35) Dibromofluoromethane	7.728	113	78782	54.89	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.78%			
50) Toluene-d8	10.185	98	310236	50.81	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.62%			
62) 4-Bromofluorobenzene	12.483	95	98221	47.41	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.82%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.984	59	908	5.70	ug/l #	85
16) Acetone	3.960	43	3924	Below Cal		95
20) Methylene Chloride	4.735	84	11712	7.50	ug/l	91
31) Cyclohexane	7.801	56	3996	1.35	ug/l #	36
36) 1,1-Dichloropropene	7.801	75	12263	4.77	ug/l #	51
38) Carbon Tetrachloride	7.801	117	15223	6.85	ug/l #	15
69) o-Xylene	12.032	106	3141	1.04	ug/l	93
76) 1,2,3-Trichloropropane	12.483	75	59730	62.66	ug/l #	100
78) n-propylbenzene	12.672	91	9183	1.13	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	25677	4.60	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	59730	112.09	ug/l #	14
83) tert-Butylbenzene	13.123	119	9040	1.89	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.123	105	71175	12.64	ug/l	96
85) sec-Butylbenzene	13.257	105	10953	1.64	ug/l	83
86) p-Isopropyltoluene	13.373	119	9786	1.62	ug/l	96
89) n-Butylbenzene	13.702	91	27214	4.71	ug/l #	78
90) Hexachloroethane	13.977	117	9619	11.83	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.385	75	509	2.18	ug/l #	39
95) Naphthalene	15.239	128	18996	5.18	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.452	180	2405	1.62	ug/l #	1

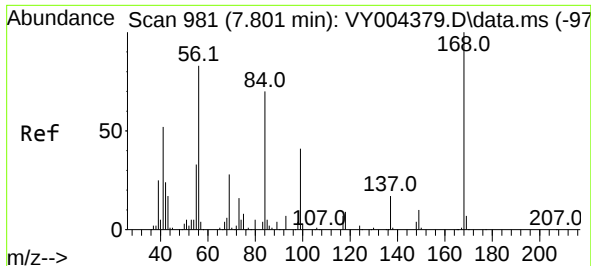
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 01 00:39:45 2021
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Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
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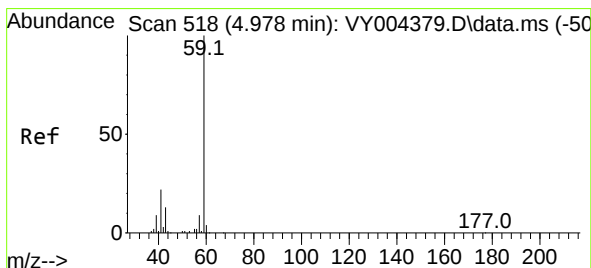
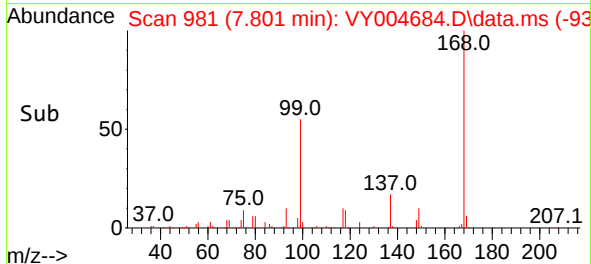
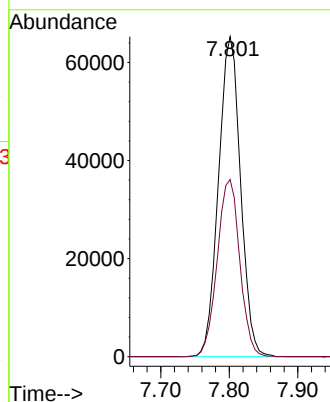
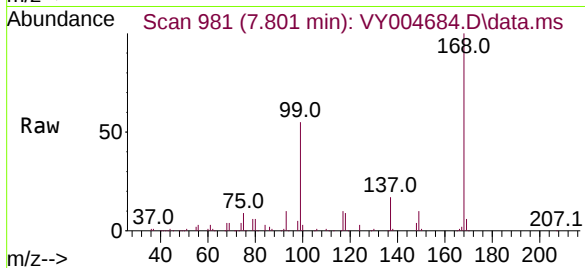




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

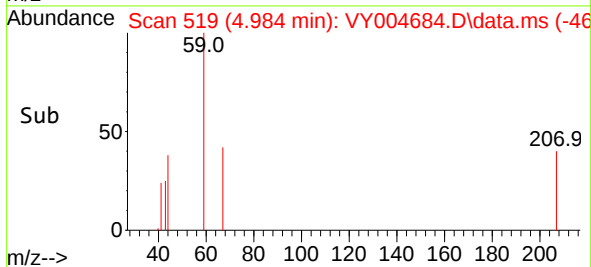
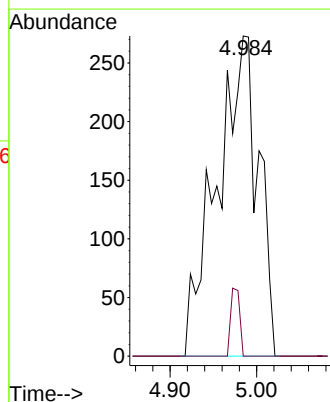
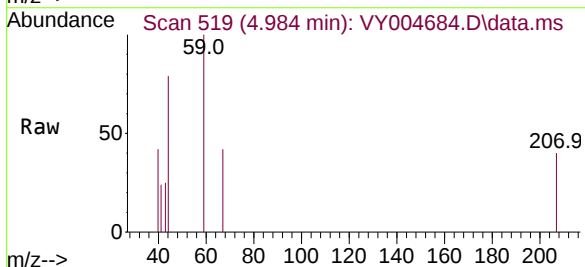
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-042921

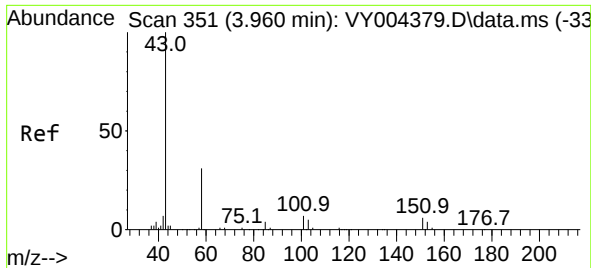
Tgt Ion:168 Resp: 145591
Ion Ratio Lower Upper
168 100
99 55.4 45.5 68.3



#11
Tert butyl alcohol
Concen: 5.70 ug/l
RT: 4.984 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion: 59 Resp: 908
Ion Ratio Lower Upper
59 100
57 4.6 8.1 12.1#

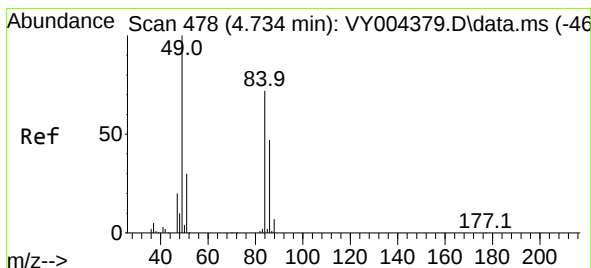
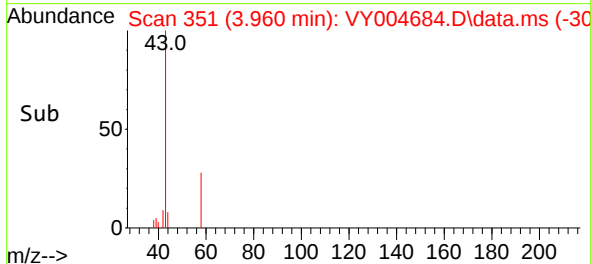
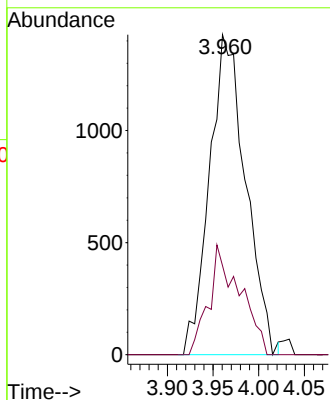
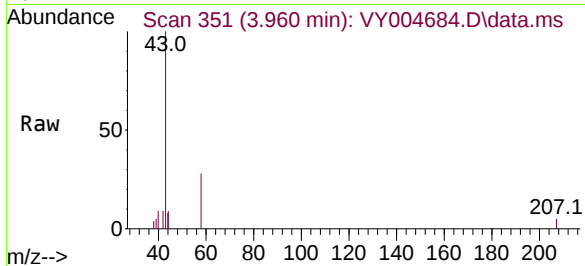




#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

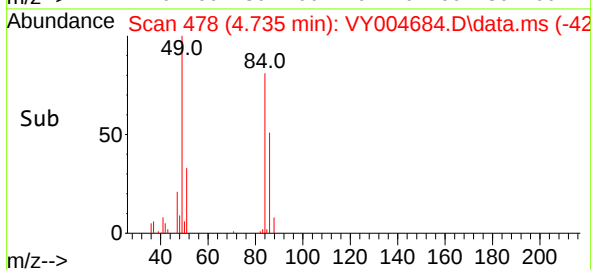
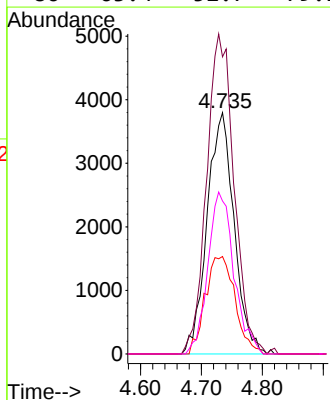
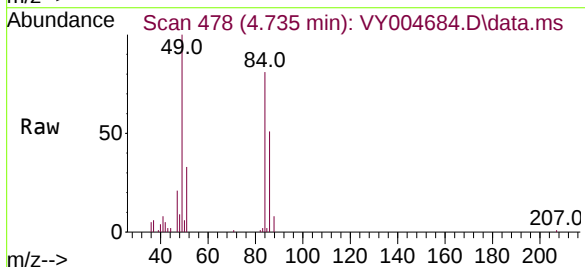
Instrument :
MSVOA_Y
ClientSampleId :
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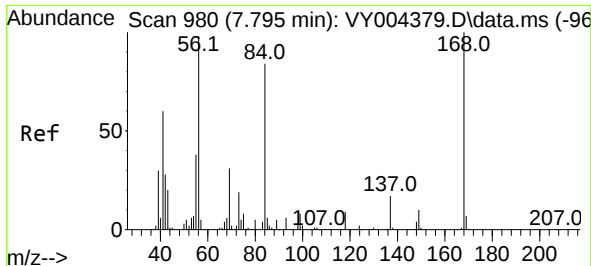
Tgt Ion: 43 Resp: 3924
Ion Ratio Lower Upper
43 100
58 27.8 24.6 37.0



#20
Methylene Chloride
Concen: 7.50 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion: 84 Resp: 11712
Ion Ratio Lower Upper
84 100
49 123.2 111.2 166.8
51 40.4 33.4 50.2
86 63.4 52.7 79.1

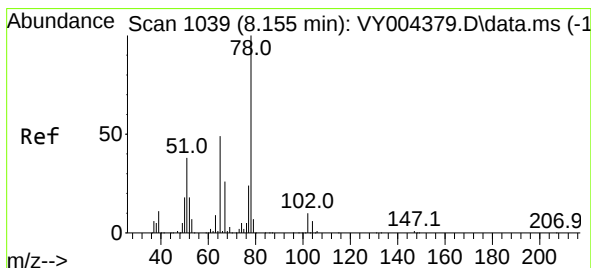
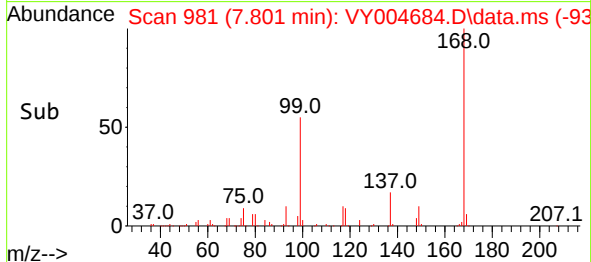
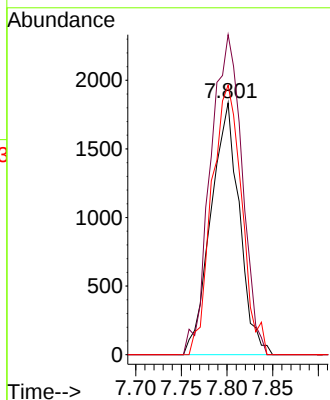
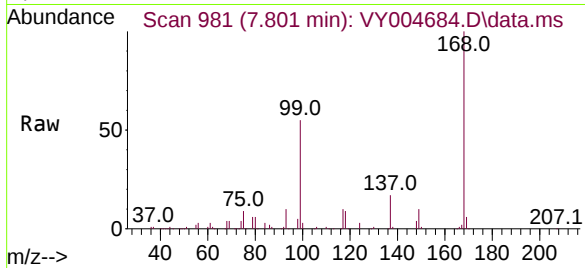




#31
Cyclohexane
Concen: 1.35 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

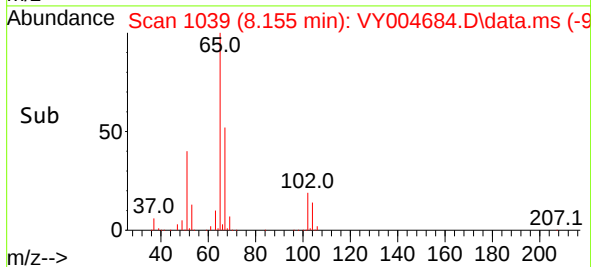
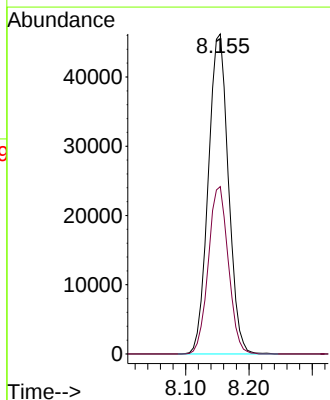
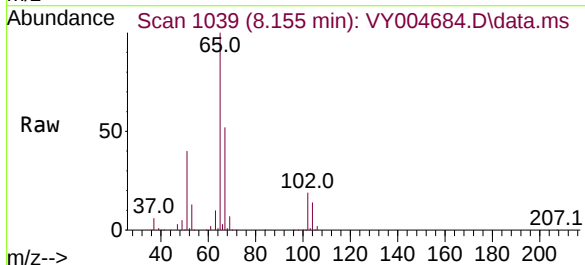
Instrument :
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HD-02-042921

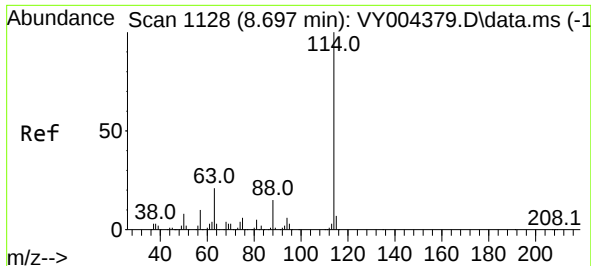
Tgt Ion: 56 Resp: 3996
Ion Ratio Lower Upper
56 100
69 127.1 25.8 38.6#
84 107.0 68.2 102.4#



#33
1,2-Dichloroethane-d4
Concen: 63.02 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion: 65 Resp: 101938
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.4

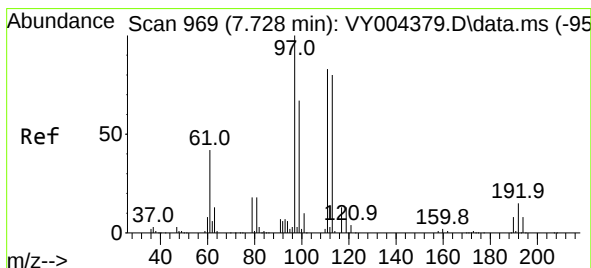
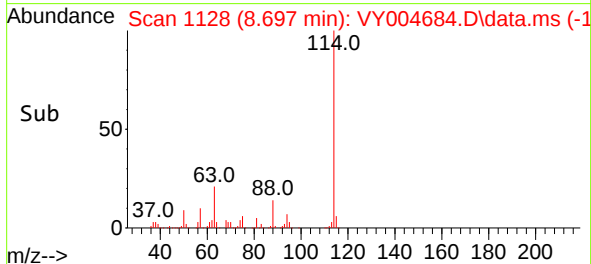
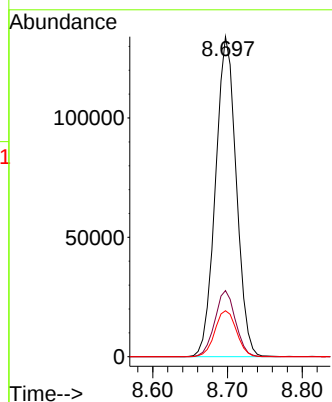
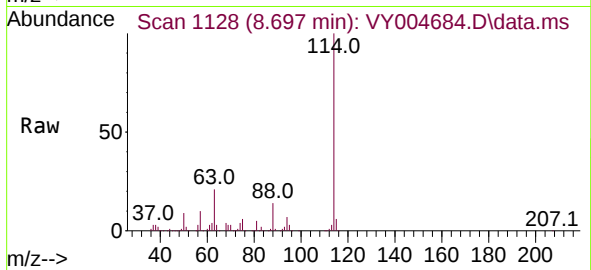




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

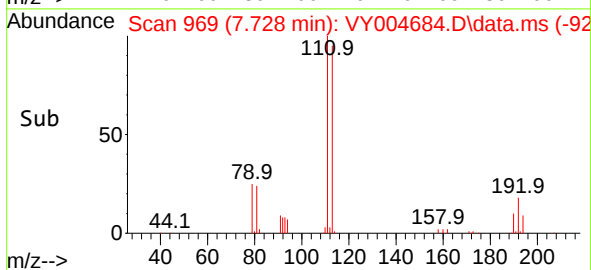
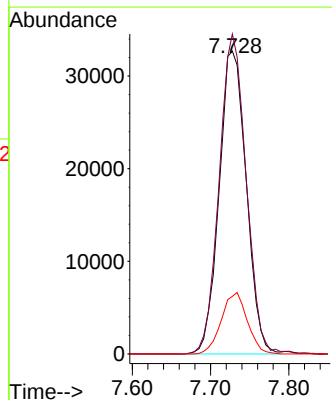
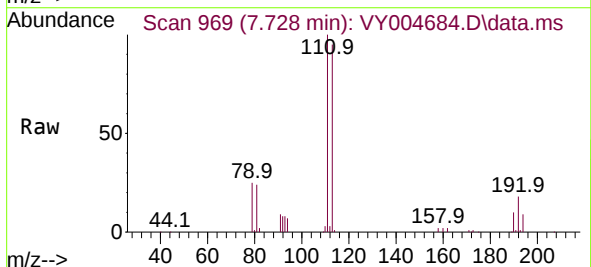
Instrument :
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ClientSampleId :
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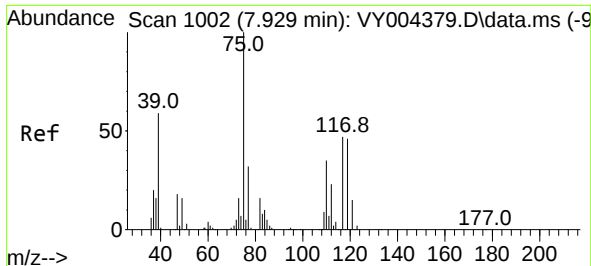
Tgt Ion:	114	Resp:	258652
Ion Ratio	Lower	Upper	
114	100		
63	20.6	0.0	42.4
88	14.4	0.0	30.8



#35
Dibromofluoromethane
Concen: 54.89 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion:	113	Resp:	78782
Ion Ratio	Lower	Upper	
113	100		
111	104.9	82.6	123.8
192	19.4	16.1	24.1

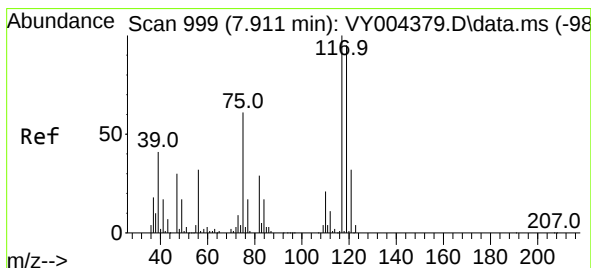
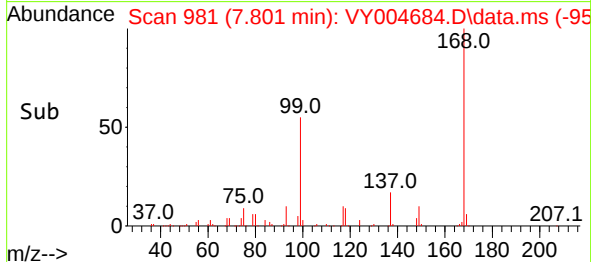
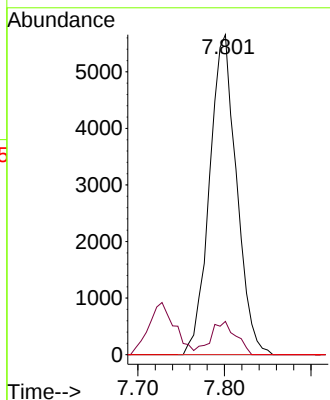
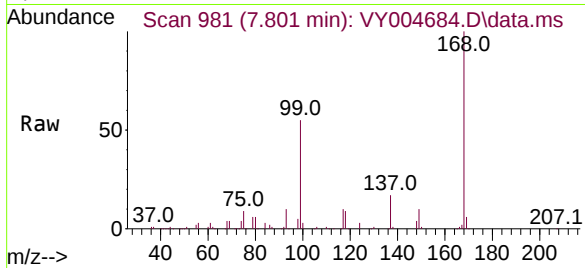




#36
1,1-Dichloropropene
Concen: 4.77 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

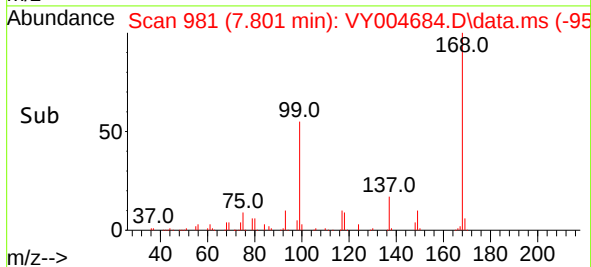
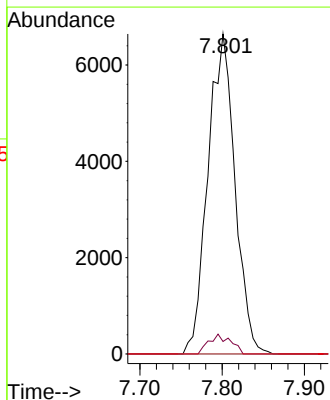
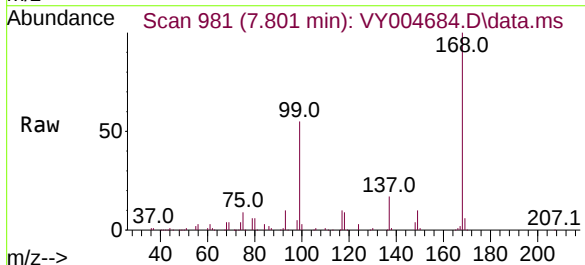
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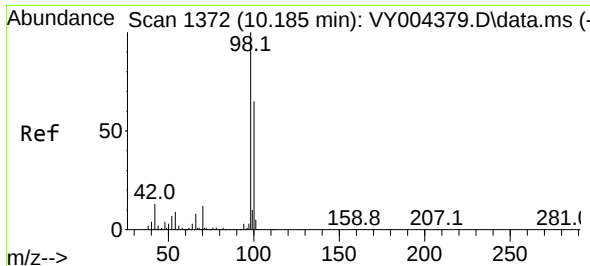
Tgt Ion: 75	Resp: 12263
Ion Ratio	Lower Upper
75 100	
110 9.7	17.3 51.7#
77 0.0	24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.85 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion: 117	Resp: 15223
Ion Ratio	Lower Upper
117 100	
119 3.9	75.8 113.8#
121 0.0	25.3 37.9#

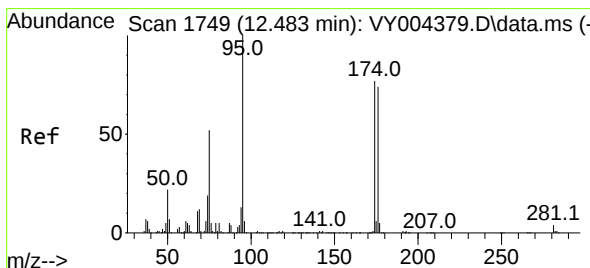
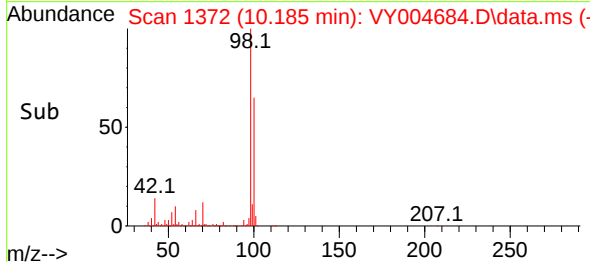
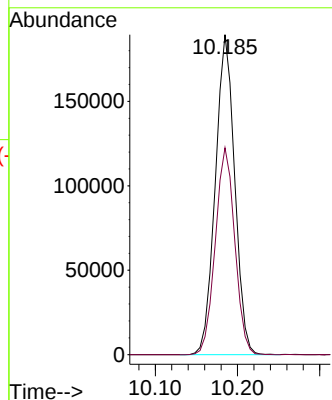
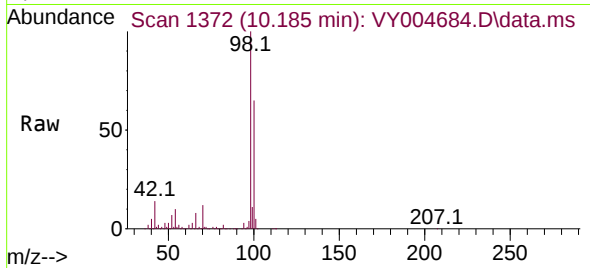




#50
Toluene-d8
Concen: 50.81 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

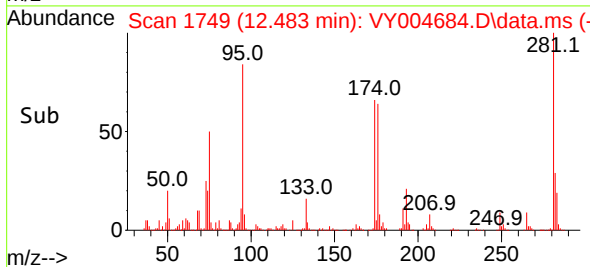
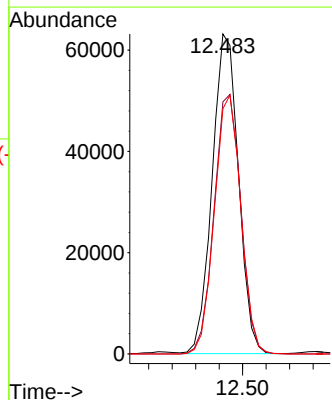
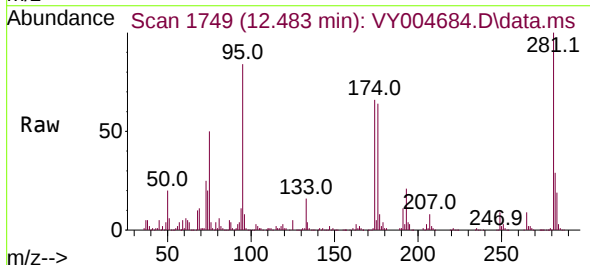
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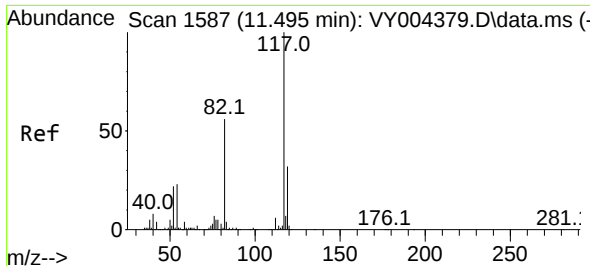
Tgt Ion: 98 Resp: 310236
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 47.41 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion: 95 Resp: 98221
Ion Ratio Lower Upper
95 100
174 82.7 0.0 162.4
176 81.2 0.0 156.0

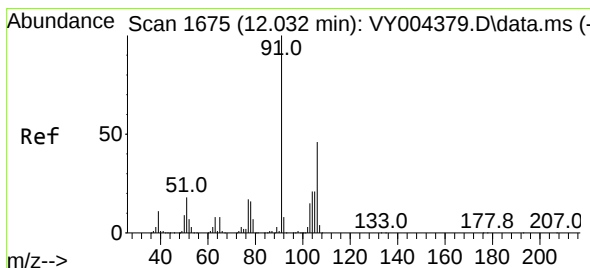
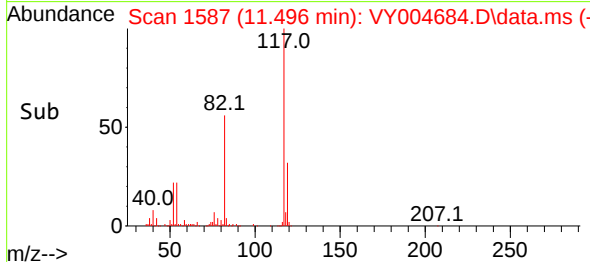
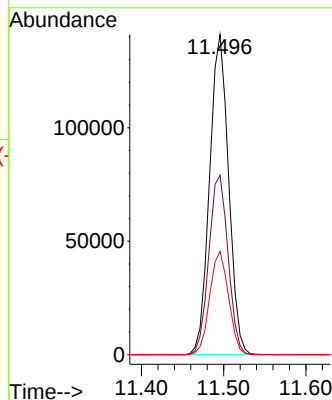
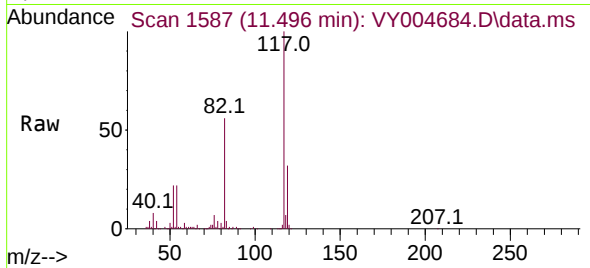




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

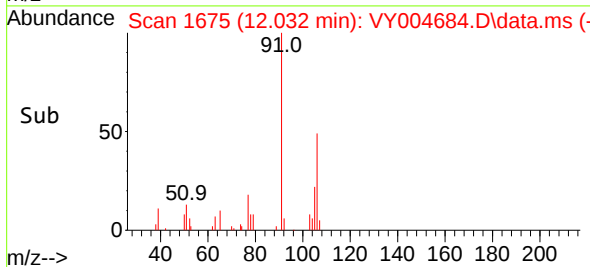
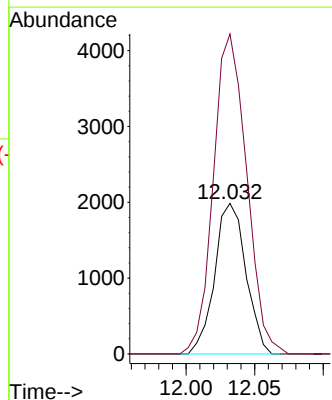
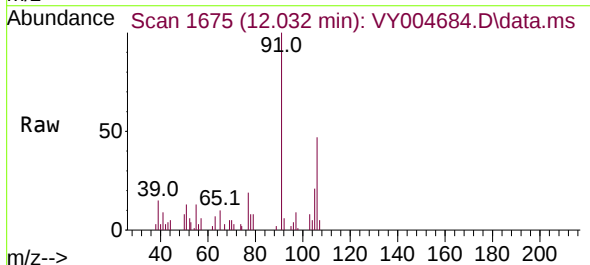
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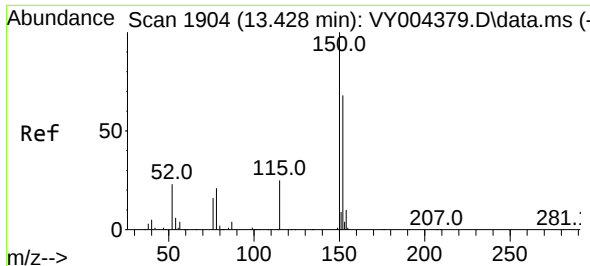
Tgt Ion:117 Resp: 226239
Ion Ratio Lower Upper
117 100
82 56.1 44.9 67.3
119 32.3 25.4 38.0



#69
o-Xylene
Concen: 1.04 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion:106 Resp: 3141
Ion Ratio Lower Upper
106 100
91 226.4 107.4 322.2

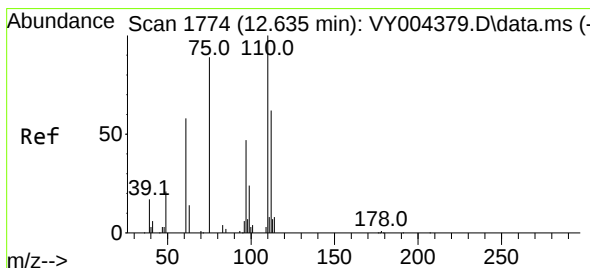
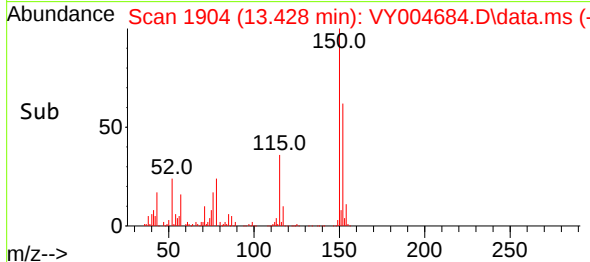
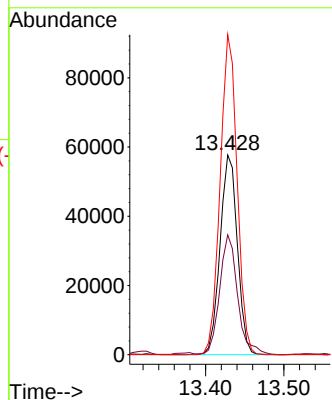
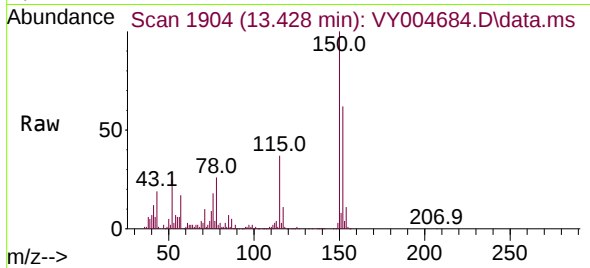




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

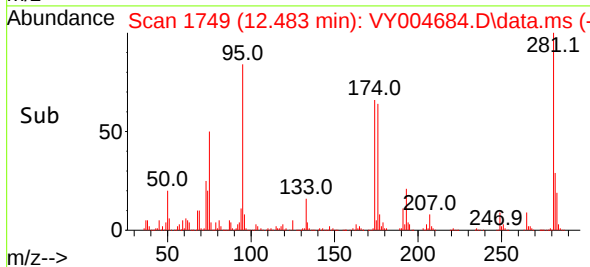
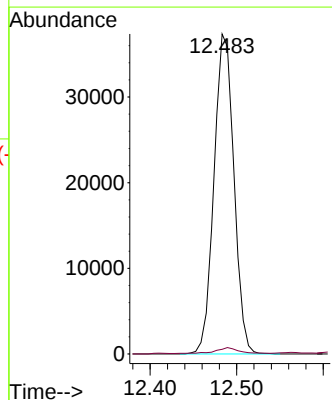
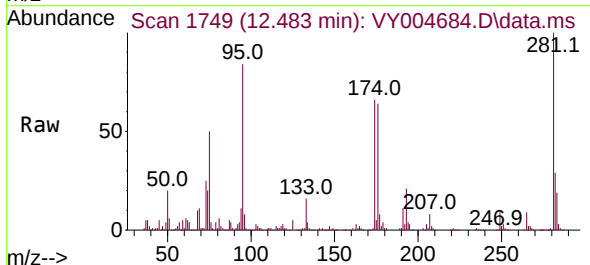
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-042921

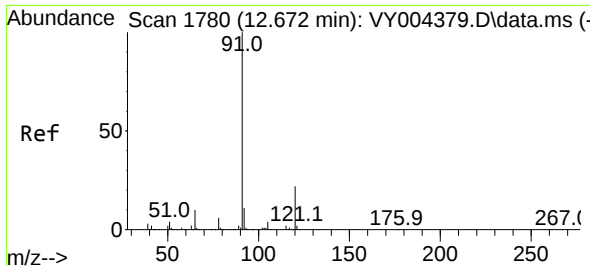
Tgt Ion:152 Resp: 88820
Ion Ratio Lower Upper
152 100
115 62.2 29.6 88.8
150 156.8 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 62.66 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion: 75 Resp: 59730
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#

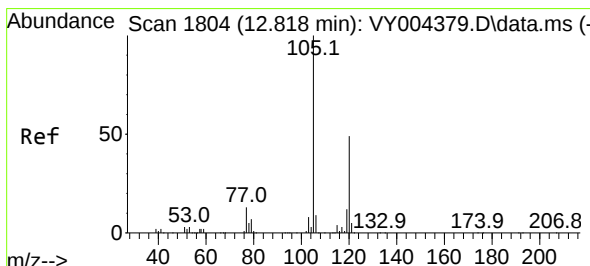
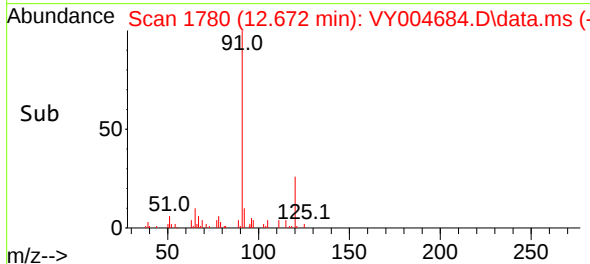
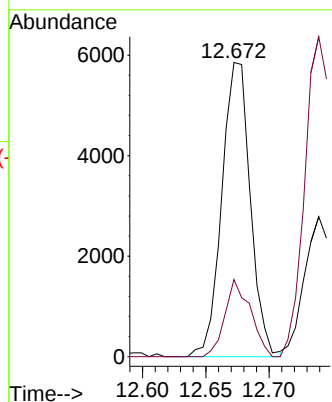
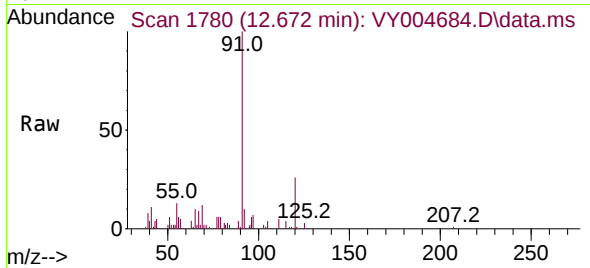




#78
n-propylbenzene
Concen: 1.13 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

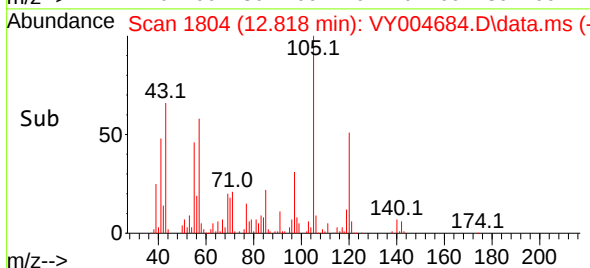
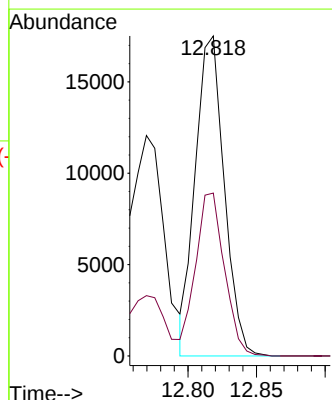
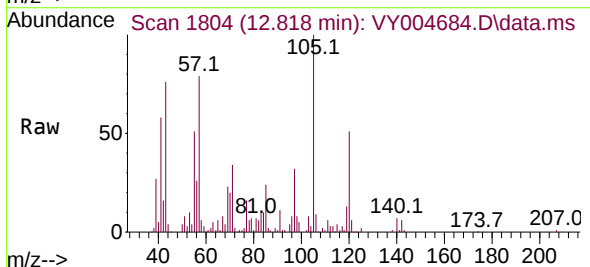
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-042921

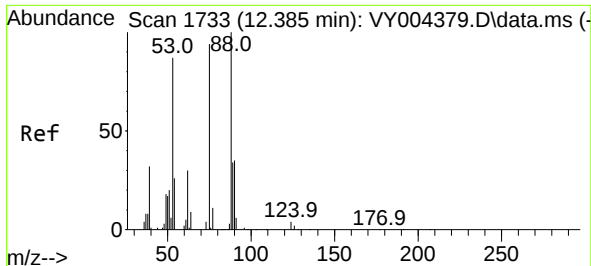
Tgt Ion: 91 Resp: 9183
Ion Ratio Lower Upper
91 100
120 23.4 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 4.60 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion: 105 Resp: 25677
Ion Ratio Lower Upper
105 100
120 50.8 24.6 74.0

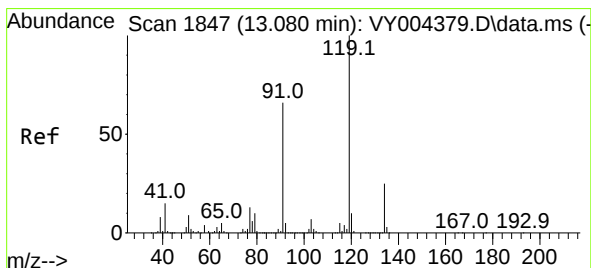
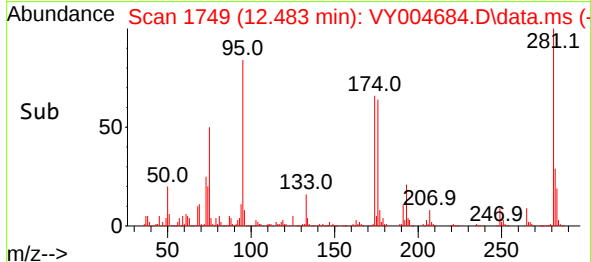
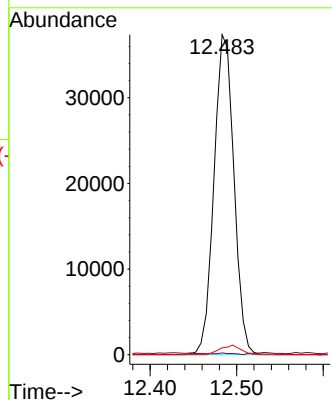
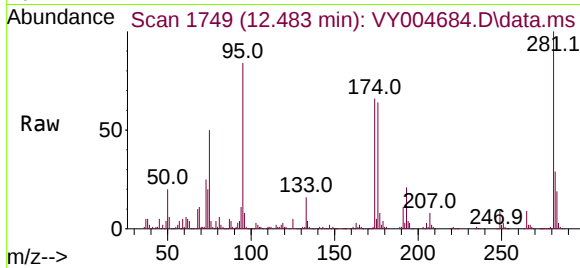




#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.09 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.098 min
 Lab File: VY004684.D
 Acq: 30 Apr 2021 13:55

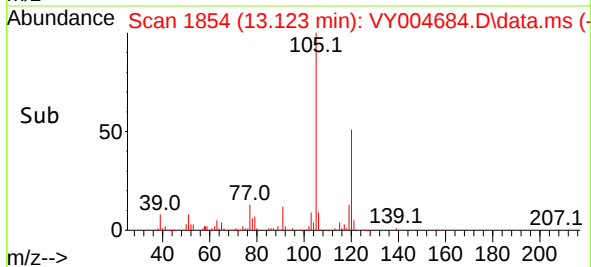
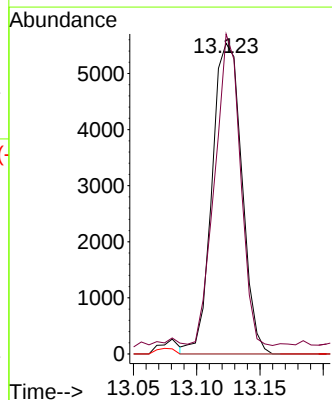
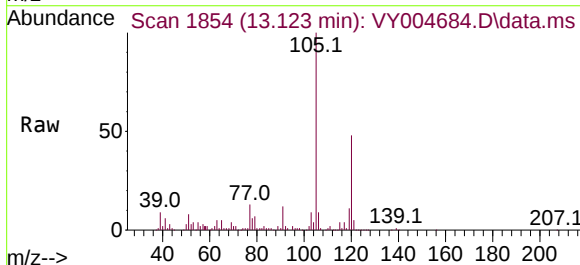
Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-042921

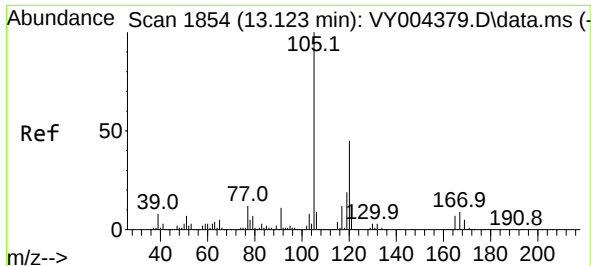
Tgt Ion: 75 Resp: 59730
 Ion Ratio Lower Upper
 75 100
 53 0.3 75.0 112.6#
 89 3.0 36.1 54.1#



#83
 tert-Butylbenzene
 Concen: 1.89 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.043 min
 Lab File: VY004684.D
 Acq: 30 Apr 2021 13:55

Tgt Ion: 119 Resp: 9040
 Ion Ratio Lower Upper
 119 100
 91 86.3 32.6 98.0
 134 0.0 12.9 38.6#

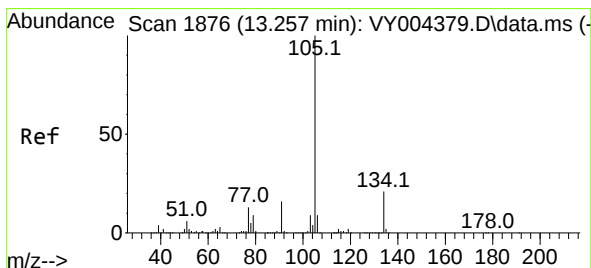
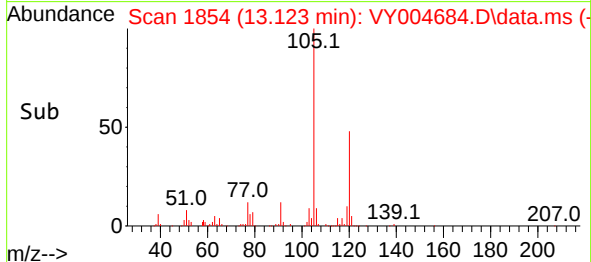
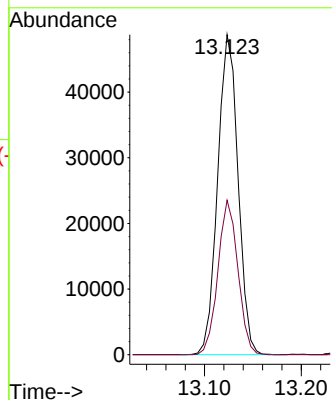
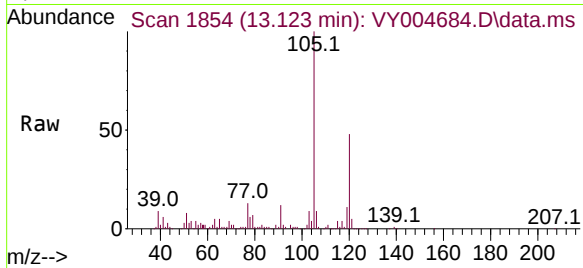




#84
1,2,4-Trimethylbenzene
Concen: 12.64 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

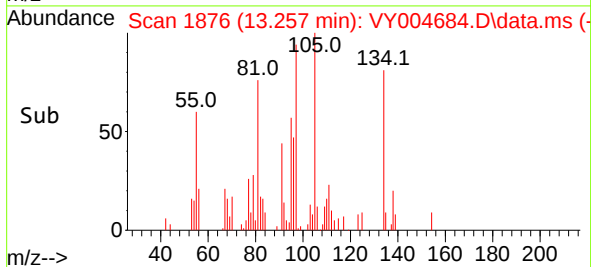
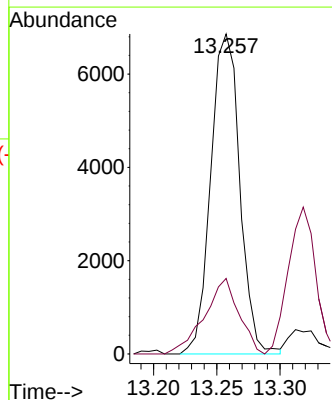
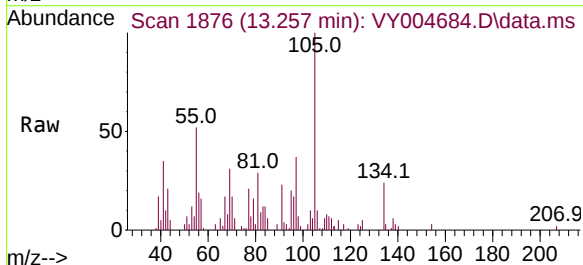
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-042921

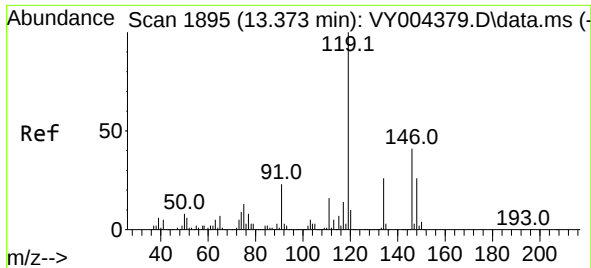
Tgt Ion:105 Resp: 71175
Ion Ratio Lower Upper
105 100
120 47.3 22.4 67.3



#85
sec-Butylbenzene
Concen: 1.64 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion:105 Resp: 10953
Ion Ratio Lower Upper
105 100
134 28.0 10.1 30.3

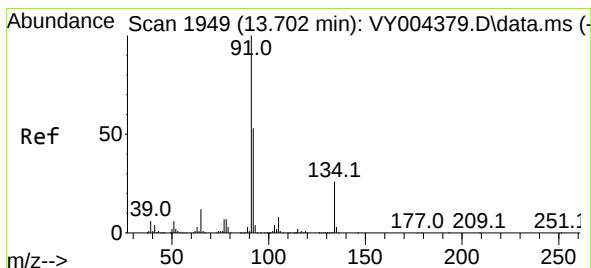
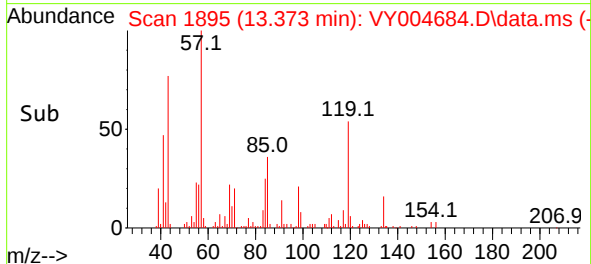
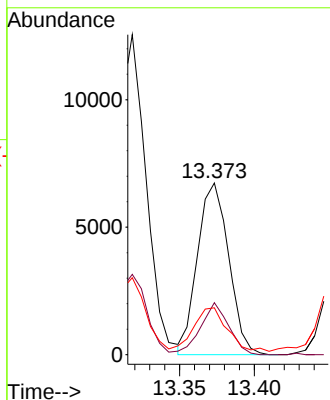
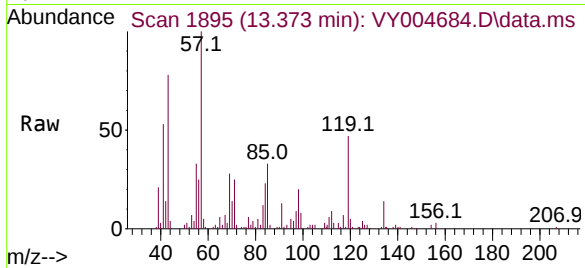




#86
p-Isopropyltoluene
Concen: 1.62 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

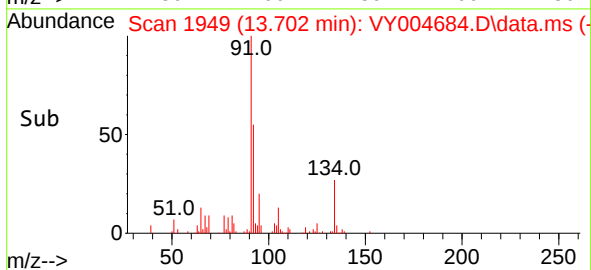
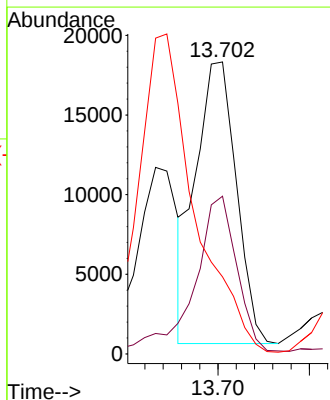
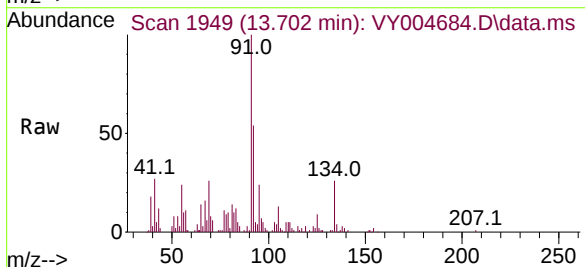
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-042921

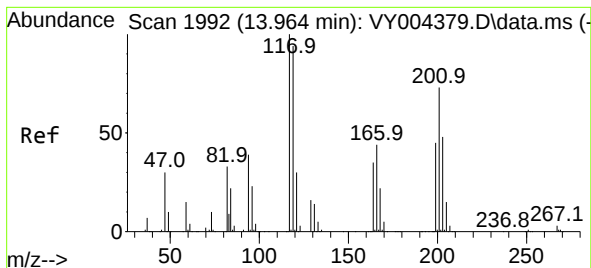
Tgt Ion:119 Resp: 9786
Ion Ratio Lower Upper
119 100
134 27.5 13.3 39.8
91 27.0 11.9 35.7



#89
n-Butylbenzene
Concen: 4.71 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion: 91 Resp: 27214
Ion Ratio Lower Upper
91 100
92 59.5 26.6 79.8
134 0.0 12.7 38.1#

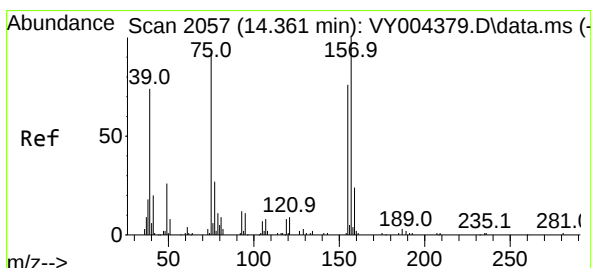
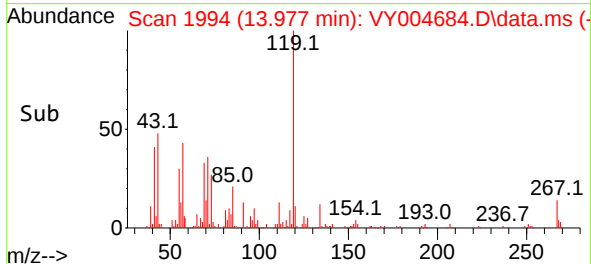
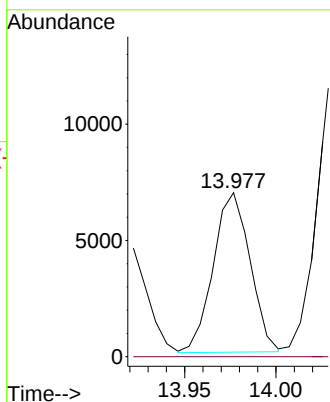
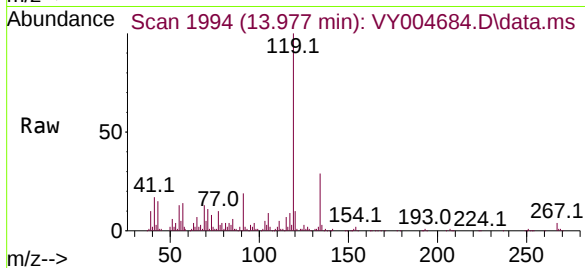




#90
Hexachloroethane
Concen: 11.83 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

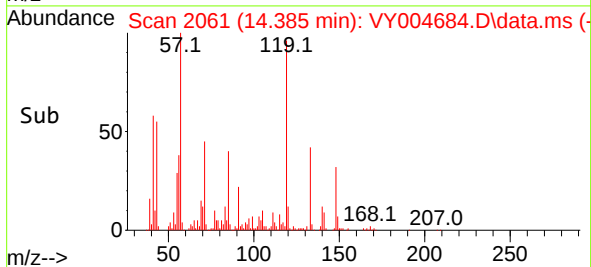
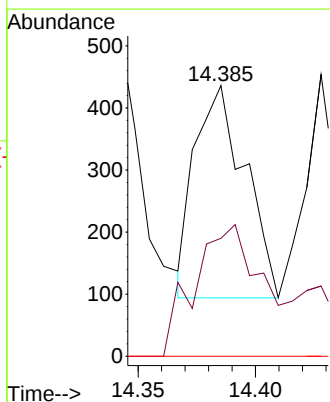
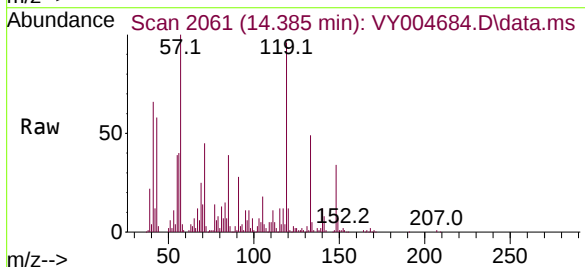
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-042921

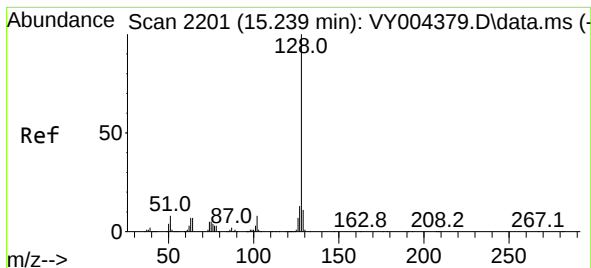
Tgt Ion:117 Resp: 9619
Ion Ratio Lower Upper
117 100
201 0.0 36.6 109.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.18 ug/l
RT: 14.385 min Scan# 2061
Delta R.T. 0.025 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion: 75 Resp: 509
Ion Ratio Lower Upper
75 100
155 87.2 40.6 121.8
157 0.0 53.0 159.0#

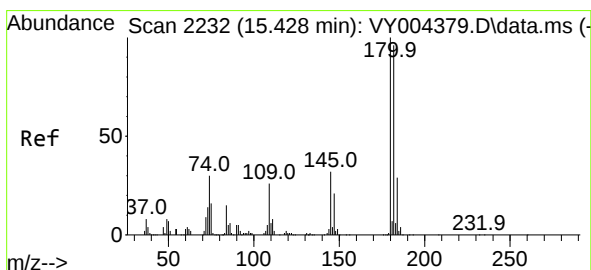
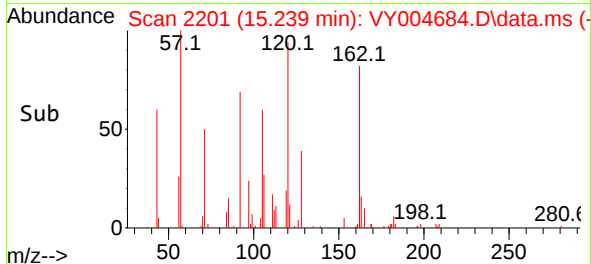
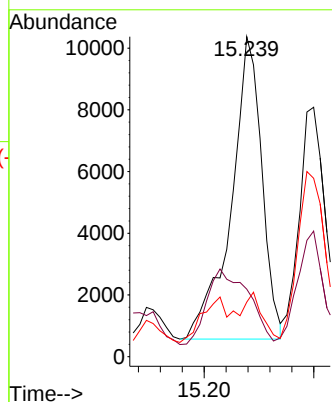
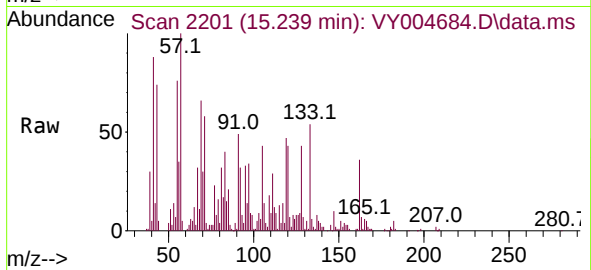




#95
Naphthalene
Concen: 5.18 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-042921

Tgt Ion:128 Resp: 18996
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 7.9 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 1.62 ug/l
RT: 15.452 min Scan# 2236
Delta R.T. 0.025 min
Lab File: VY004684.D
Acq: 30 Apr 2021 13:55

Tgt Ion:180 Resp: 2405
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.8#
145 1056.0 16.3 48.8#

