

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031821\
 Data File : VY004125.D
 Acq On : 18 Mar 2021 16:55
 Operator : SY/MD
 Sample : M1722-01
 Misc : 8.28g/5mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-031821

Quant Time: Mar 19 01:44:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

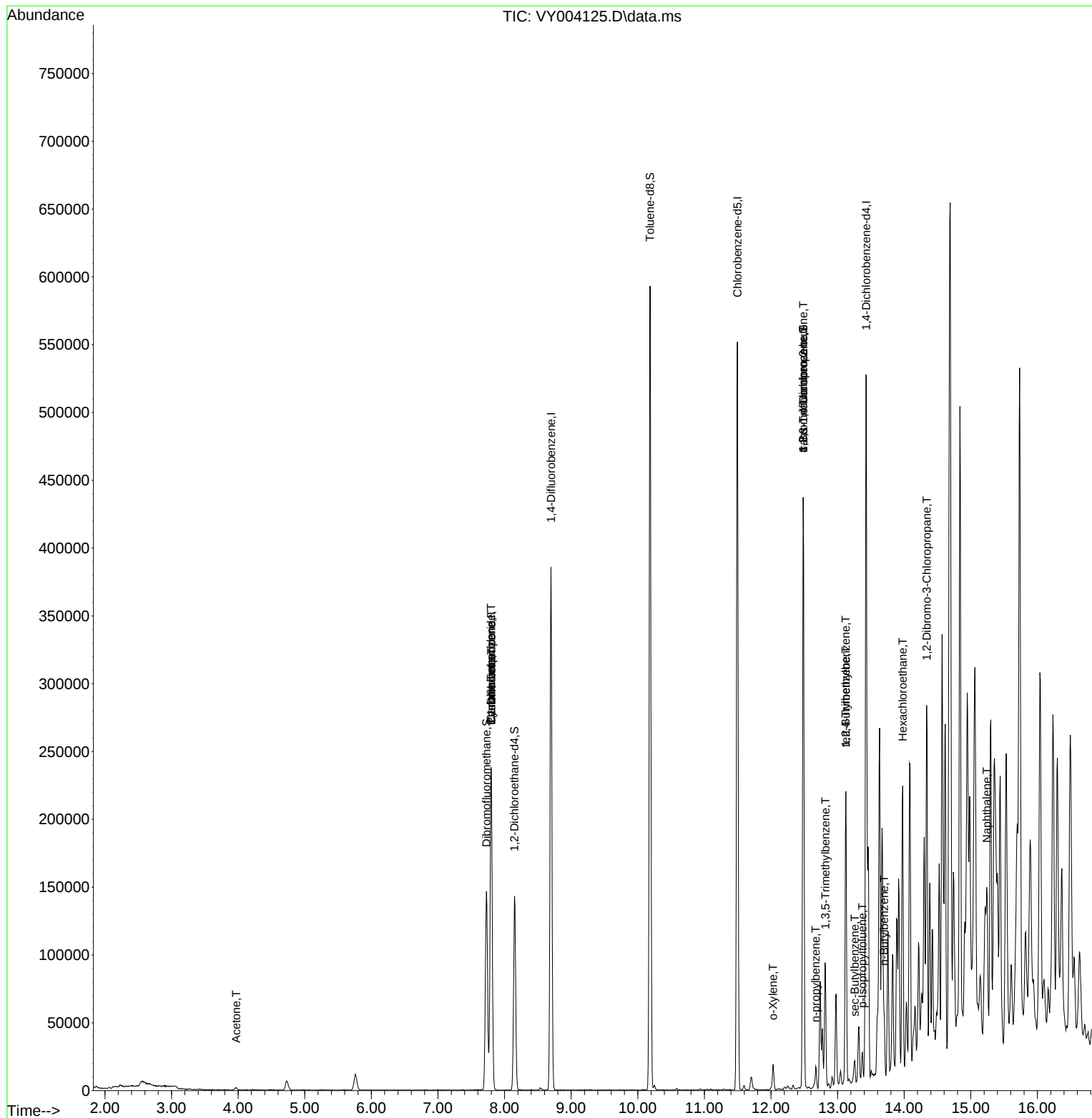
Internal Standards						
1) Pentafluorobenzene	7.801	168	189985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	325299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	300883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129755	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	110216	58.79	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	117.58%		
35) Dibromofluoromethane	7.728	113	102280	55.76	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	111.52%		
50) Toluene-d8	10.185	98	385577	53.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.22%		
62) 4-Bromofluorobenzene	12.483	95	132367	49.84	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.68%		
Target Compounds					Qvalue	
3) Chloromethane	2.125	50	525	Below Cal	#	43
16) Acetone	3.973	43	3065	6.77 ug/l	#	87
20) Methylene Chloride	4.729	84	5064	Below Cal	#	83
31) Cyclohexane	7.801	56	3918	1.19 ug/l	#	1
36) 1,1-Dichloropropene	7.801	75	13494	4.72 ug/l	#	50
38) Carbon Tetrachloride	7.795	117	18511	6.10 ug/l	#	17
69) o-Xylene	12.032	106	4577	1.20 ug/l		98
76) 1,2,3-Trichloropropane	12.483	75	69002	55.46 ug/l	#	100
78) n-propylbenzene	12.672	91	11456	1.08 ug/l		96
80) 1,3,5-Trimethylbenzene	12.819	105	37382	4.89 ug/l		95
81) trans-1,4-Dichloro-2-b...	12.483	75	69002	109.46 ug/l	#	13
83) tert-Butylbenzene	13.123	119	14538	2.21 ug/l	#	66
84) 1,2,4-Trimethylbenzene	13.123	105	115721	15.11 ug/l		97
85) sec-Butylbenzene	13.258	105	10115	1.11 ug/l		83
86) p-Isopropyltoluene	13.373	119	9914	1.18 ug/l		99
89) n-Butylbenzene	13.697	91	20015	2.50 ug/l	#	68
90) Hexachloroethane	13.977	117	10350	6.85 ug/l	#	4
92) 1,2-Dibromo-3-Chloropr...	14.337	75	1009	3.41 ug/l	#	2
95) Naphthalene	15.239	128	58622	12.23 ug/l	#	95

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

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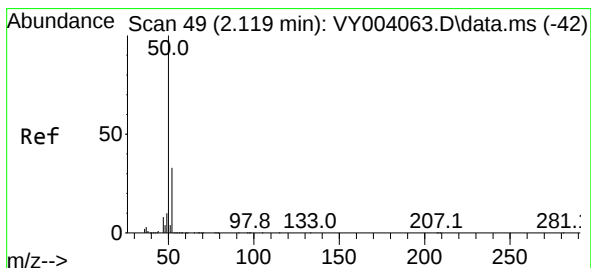
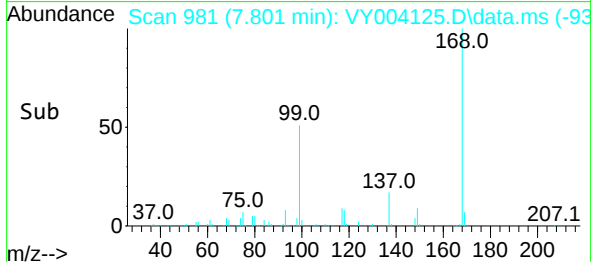
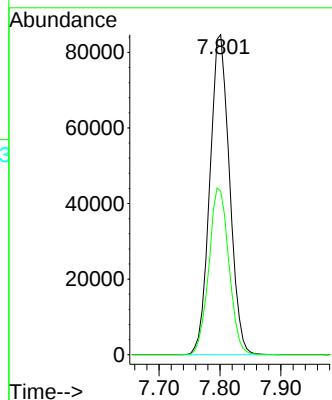
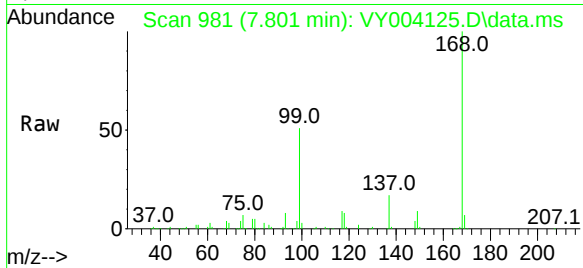




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

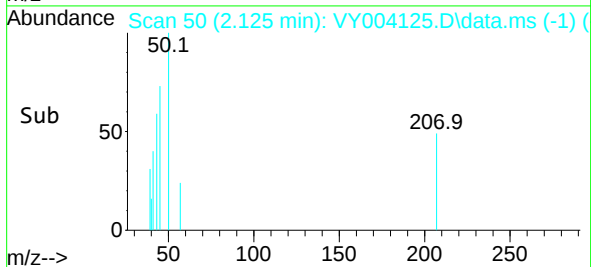
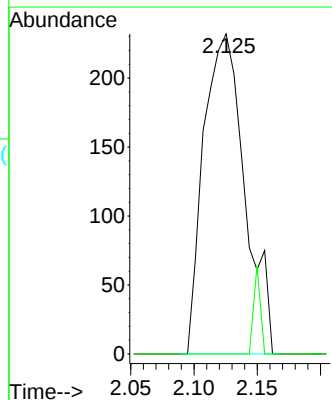
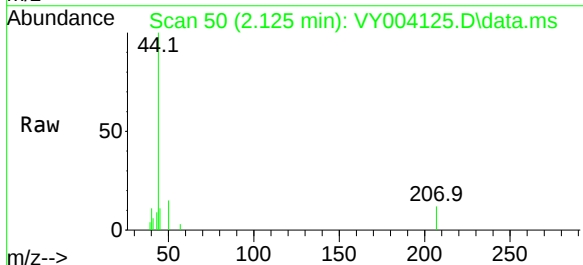
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-031821

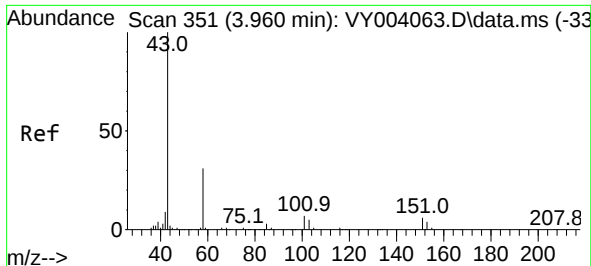
Tgt Ion:168 Resp: 189985
Ion Ratio Lower Upper
168 100
99 51.1 41.2 61.8



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

Tgt Ion: 50 Resp: 525
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

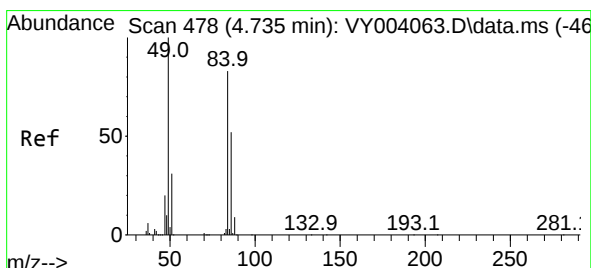
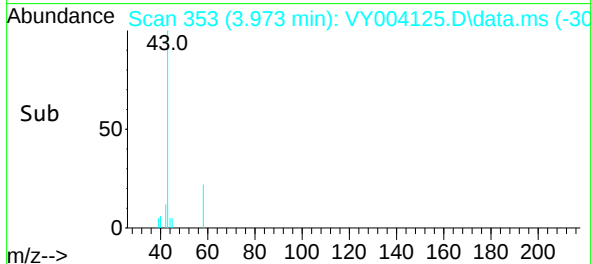
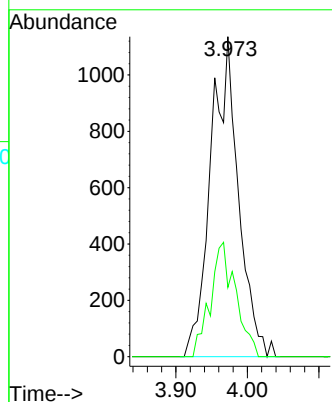
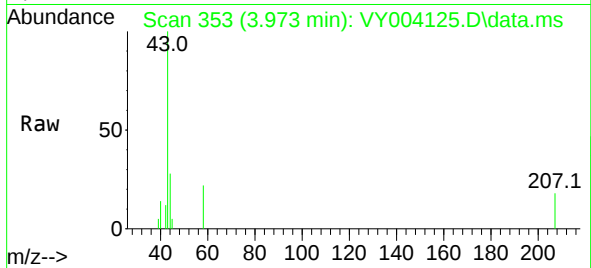




#16
Acetone
Concen: 6.77 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.013 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

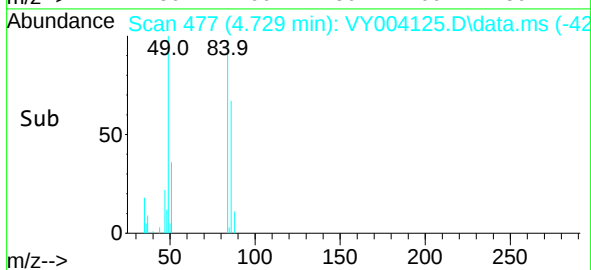
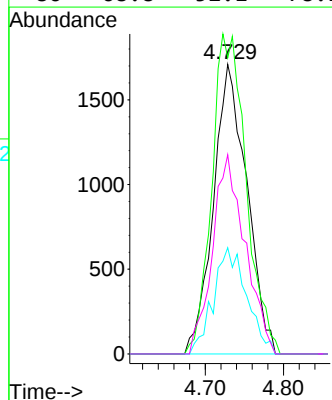
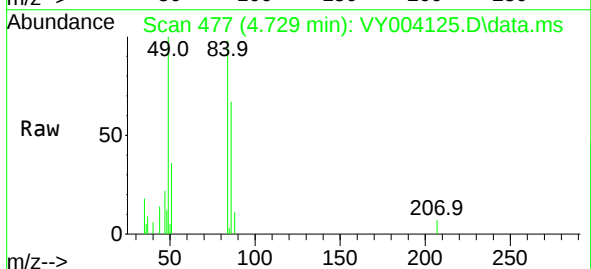
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-031821

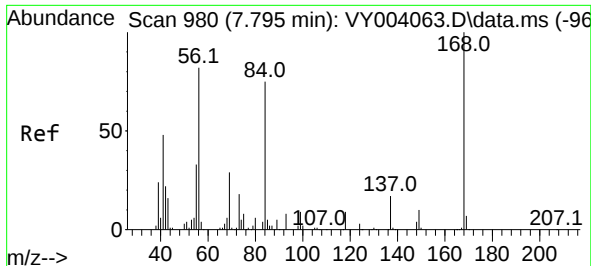
Tgt Ion: 43 Resp: 3065
Ion Ratio Lower Upper
43 100
58 21.7 22.6 34.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

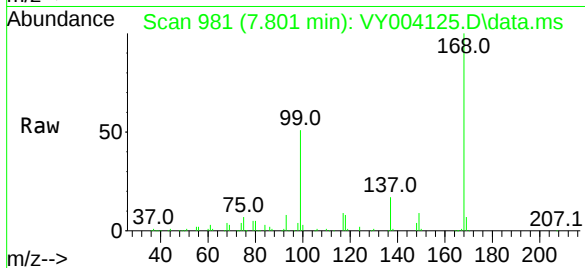
Tgt Ion: 84 Resp: 5064
Ion Ratio Lower Upper
84 100
49 102.2 105.8 158.6#
51 36.7 32.6 48.8
86 68.8 52.1 78.1



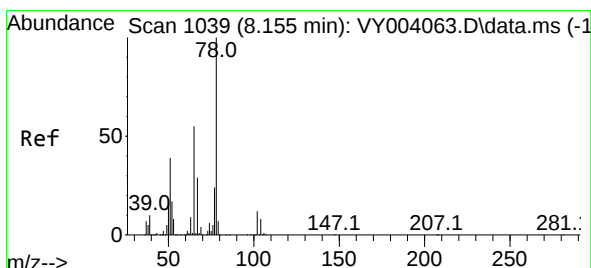
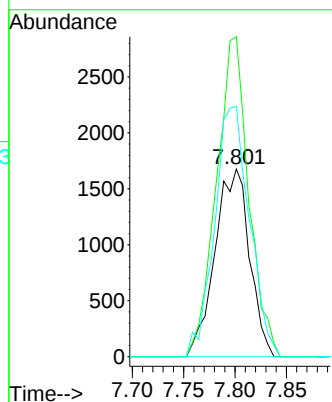
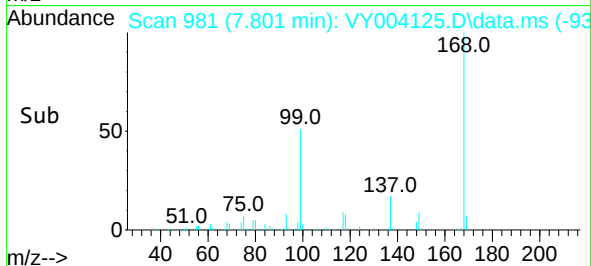


#31
Cyclohexane
Concen: 1.19 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

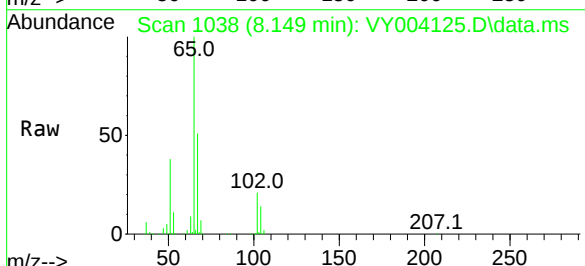
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-031821



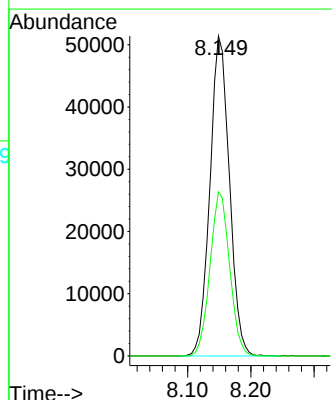
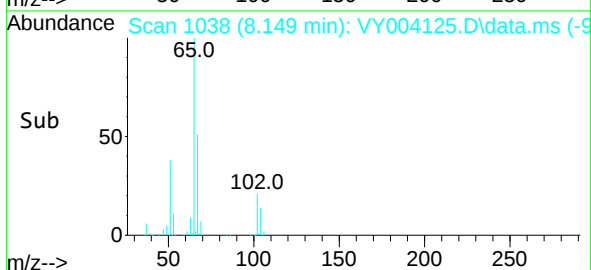
Tgt Ion: 56 Resp: 3918
Ion Ratio Lower Upper
56 100
69 170.4 25.3 37.9#
84 133.3 67.3 100.9#

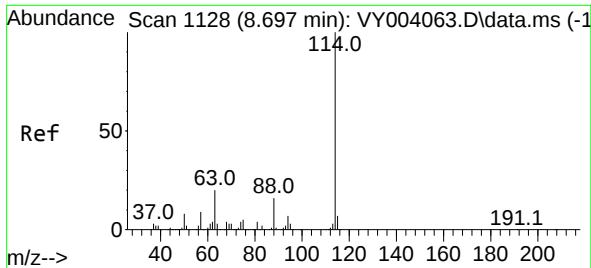


#33
1,2-Dichloroethane-d4
Concen: 58.79 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55



Tgt Ion: 65 Resp: 110216
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.4

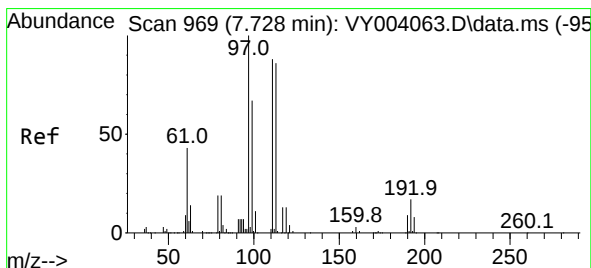
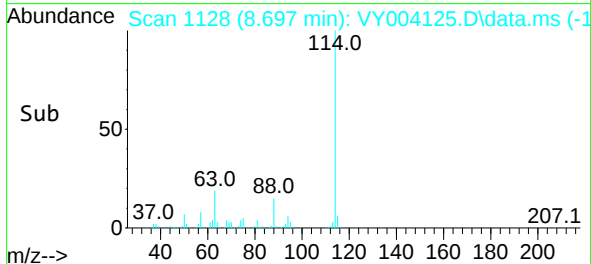
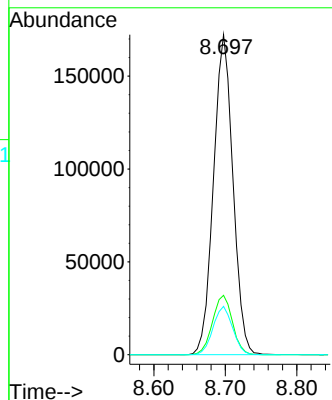
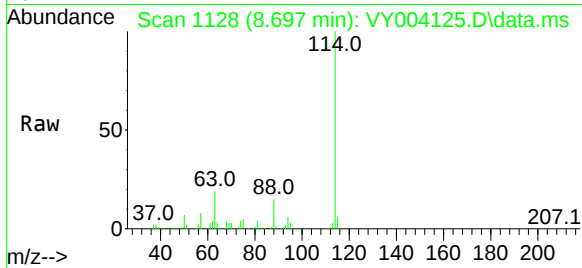




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

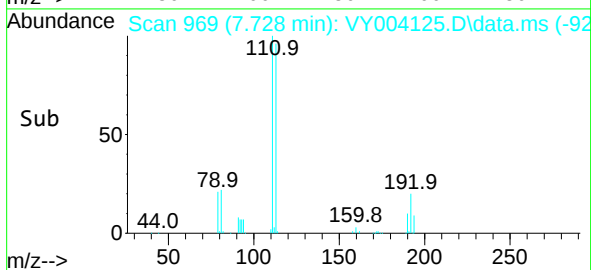
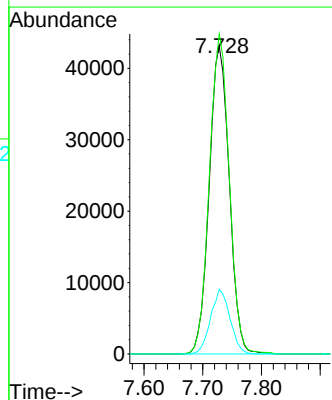
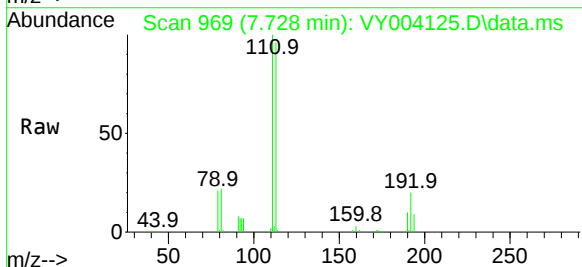
Instrument :
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ClientSampleId :
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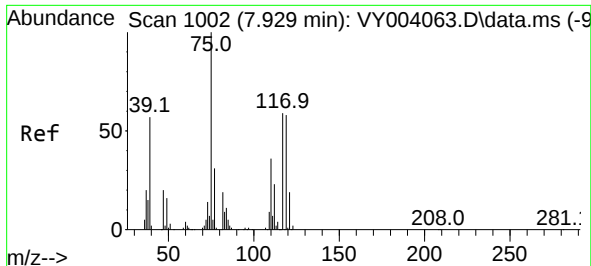
Tgt Ion:	114	Resp:	325299
Ion Ratio	Lower	Upper	
114	100		
63	18.5	0.0	41.6
88	15.1	0.0	31.4



#35
Dibromofluoromethane
Concen: 55.76 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

Tgt Ion:	113	Resp:	102280
Ion Ratio	Lower	Upper	
113	100		
111	102.9	83.2	124.8
192	20.2	18.5	27.7

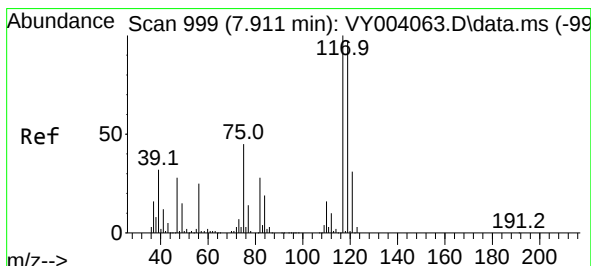
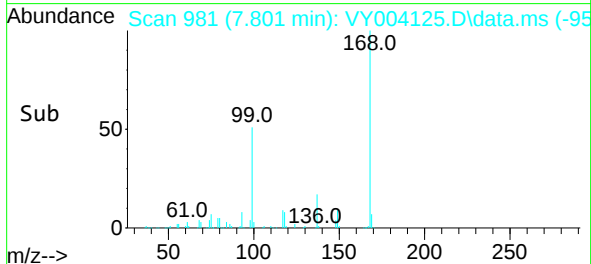
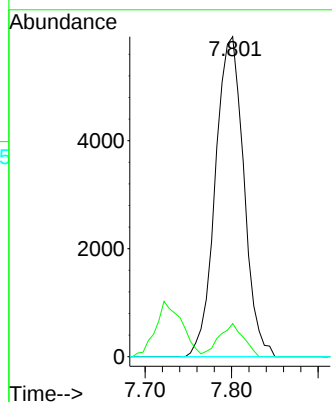
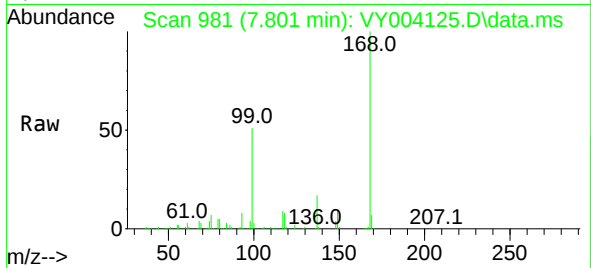




#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

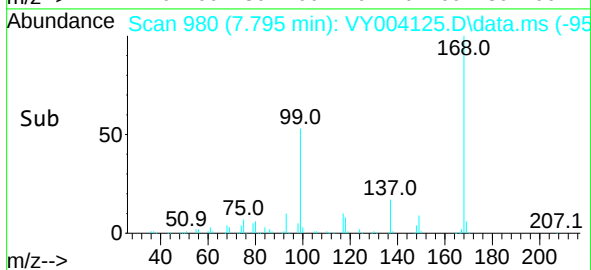
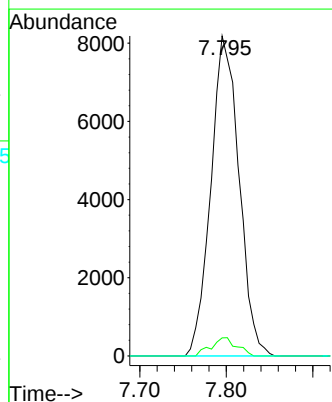
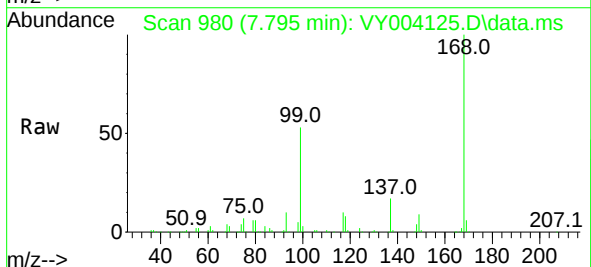
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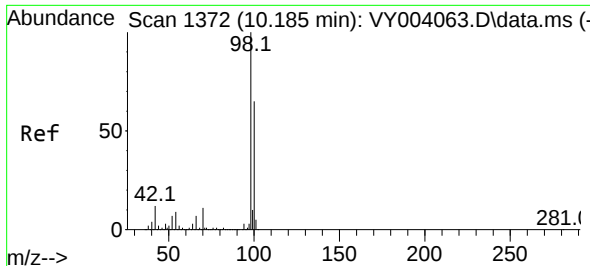
Tgt Ion: 75 Resp: 13494
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.3#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.10 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

Tgt Ion: 117 Resp: 18511
Ion Ratio Lower Upper
117 100
119 5.7 75.4 113.0#
121 0.0 24.2 36.2#

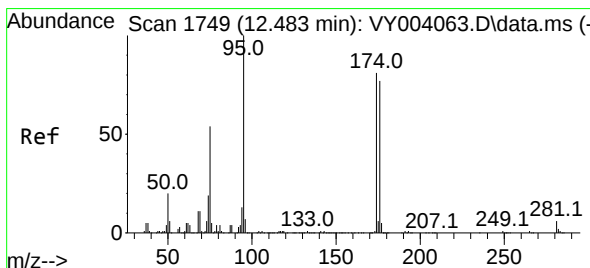
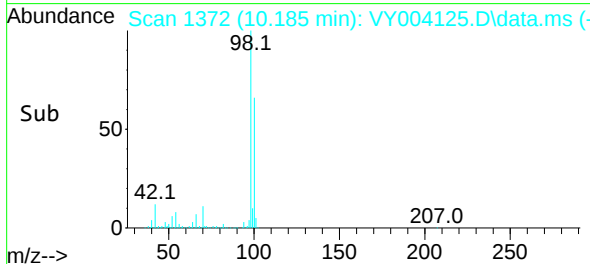
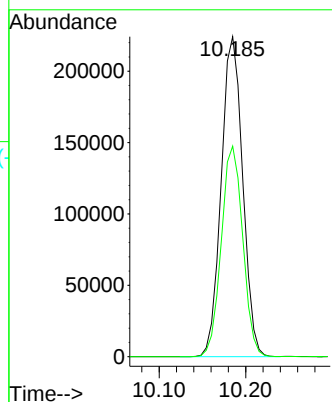
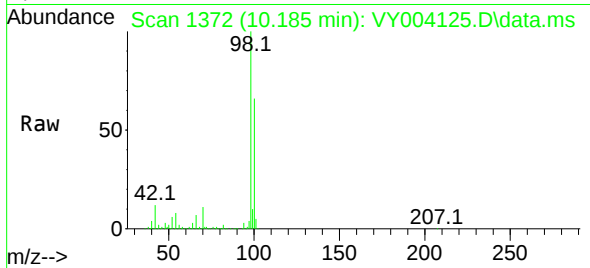




#50
Toluene-d8
Concen: 53.61 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

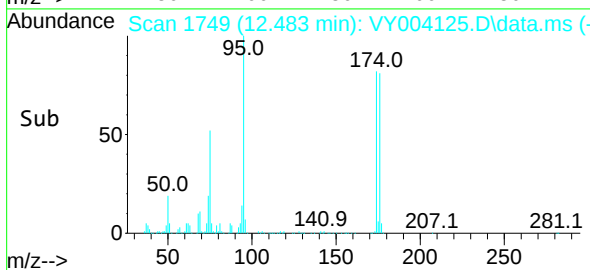
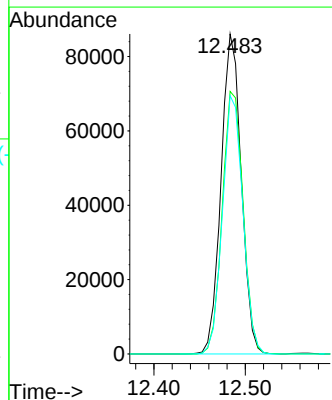
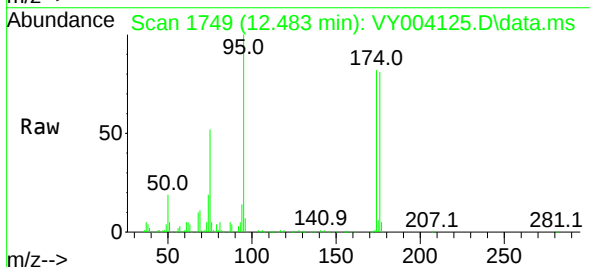
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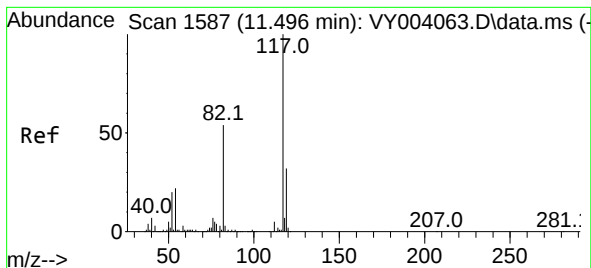
Tgt Ion: 98 Resp: 385577
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 49.84 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

Tgt Ion: 95 Resp: 132367
Ion Ratio Lower Upper
95 100
174 84.6 0.0 179.0
176 81.5 0.0 174.4

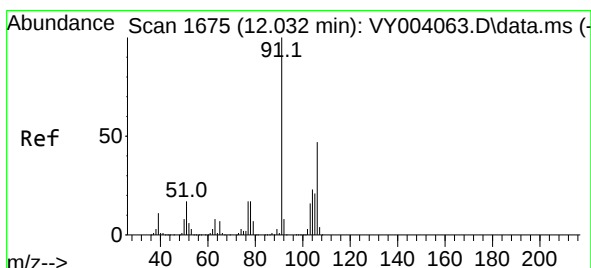
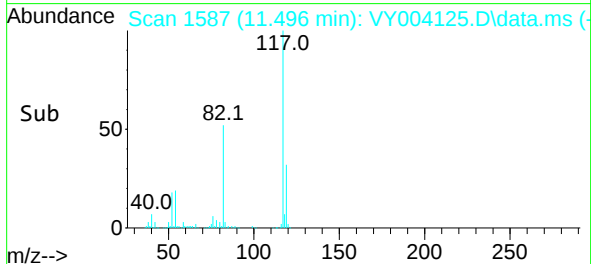
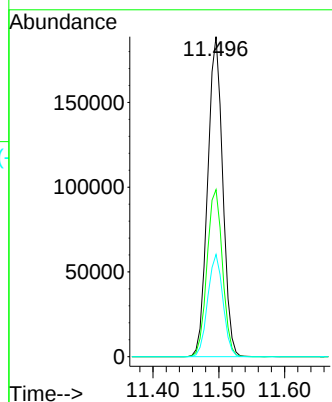
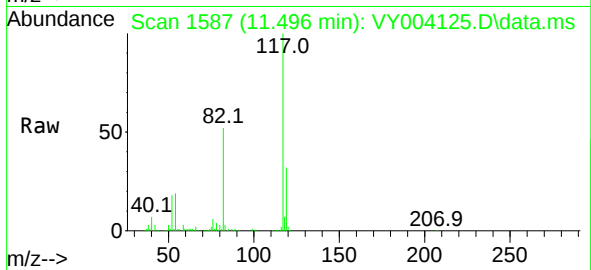




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

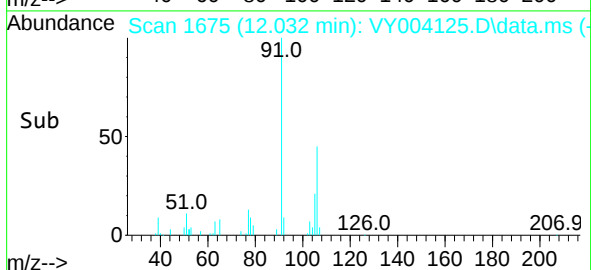
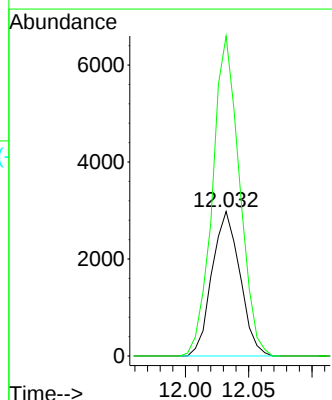
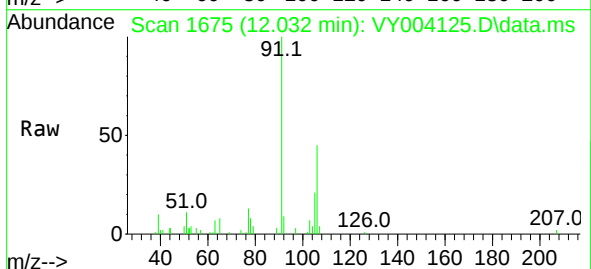
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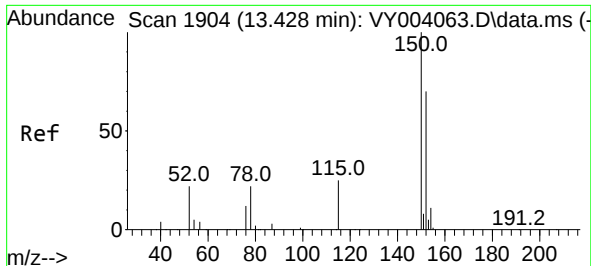
Tgt Ion:117 Resp: 300883
Ion Ratio Lower Upper
117 100
82 52.2 43.8 65.6
119 32.0 26.2 39.2



#69
o-Xylene
Concen: 1.20 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

Tgt Ion:106 Resp: 4577
Ion Ratio Lower Upper
106 100
91 214.1 108.9 326.7

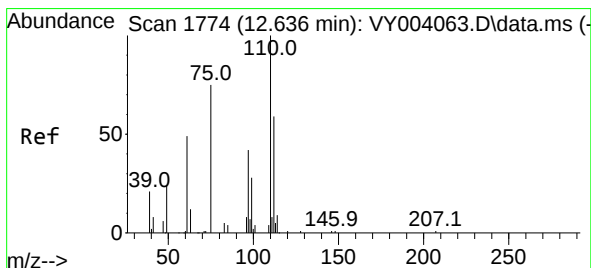
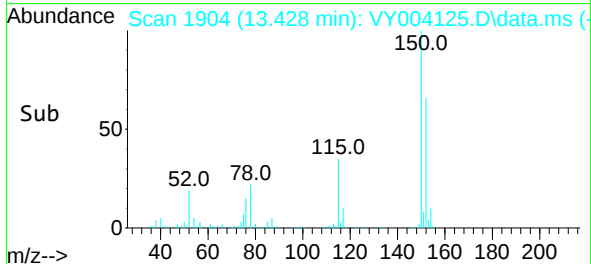
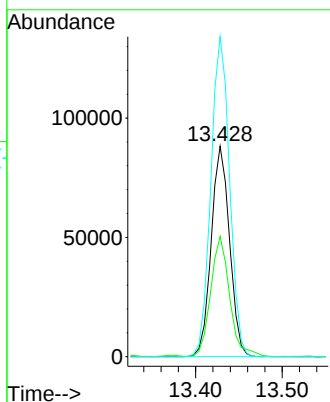
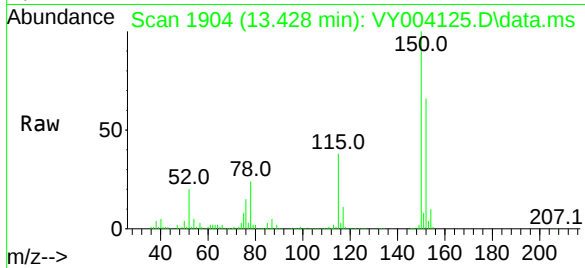




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

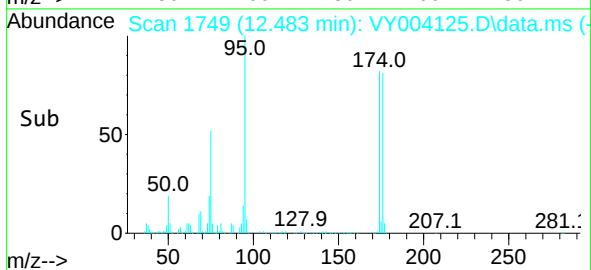
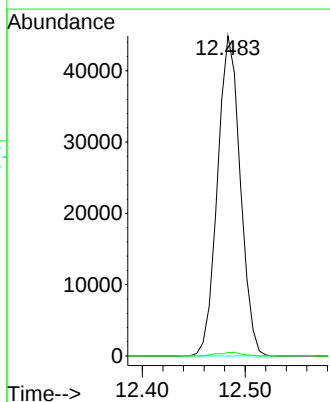
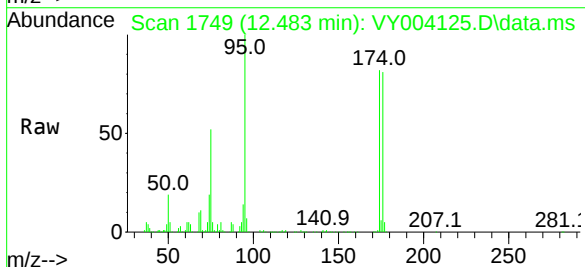
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-031821

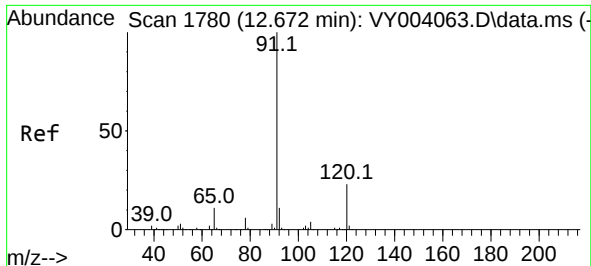
Tgt Ion:152 Resp: 129755
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.6
150 155.0 0.0 347.2



#76
1,2,3-Trichloropropane
Concen: 55.46 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

Tgt Ion: 75 Resp: 69002
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

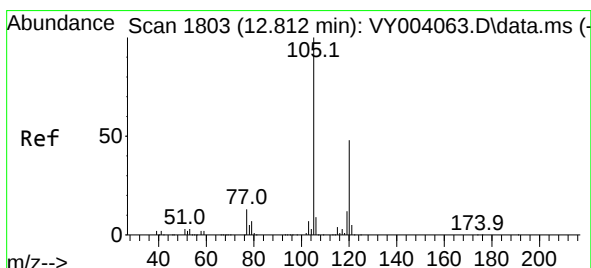
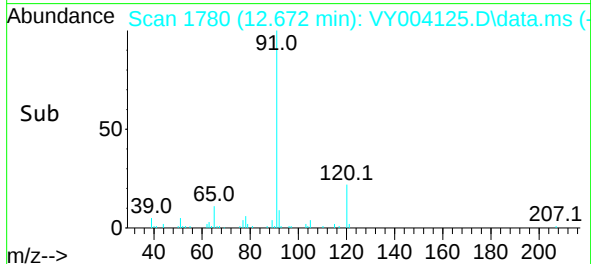
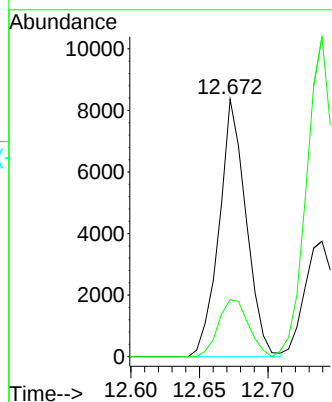
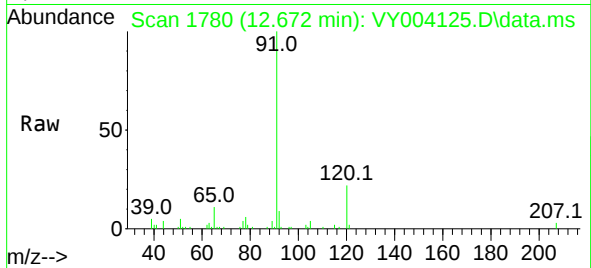




#78
n-propylbenzene
Concen: 1.08 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

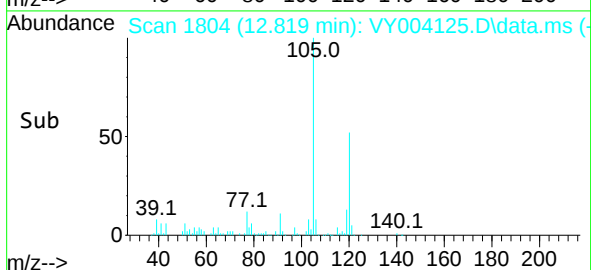
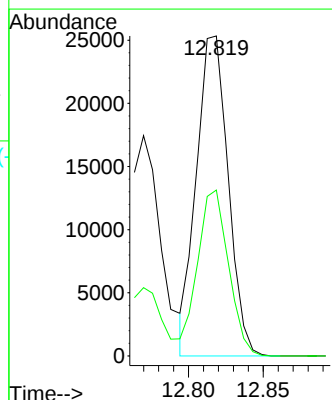
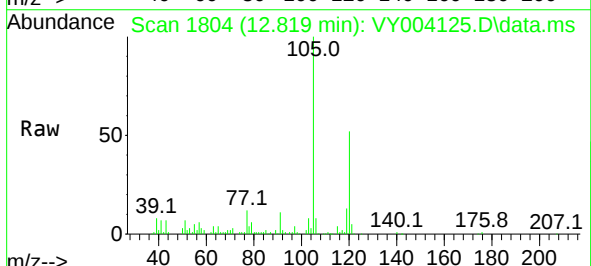
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-031821

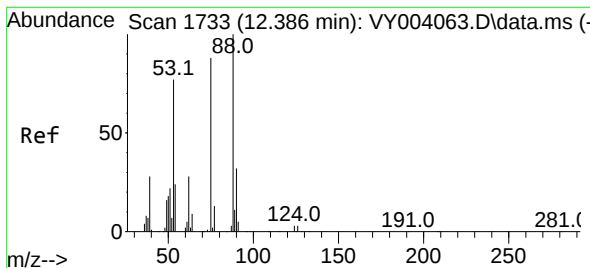
Tgt Ion: 91 Resp: 11456
Ion Ratio Lower Upper
91 100
120 24.6 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 4.89 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.007 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

Tgt Ion: 105 Resp: 37382
Ion Ratio Lower Upper
105 100
120 51.8 24.1 72.2

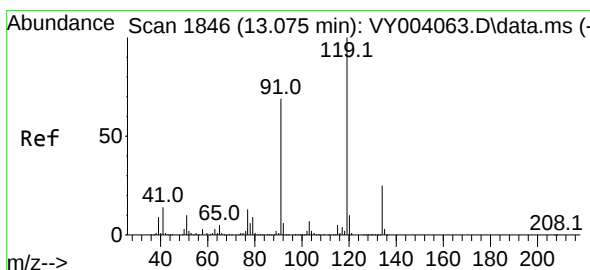
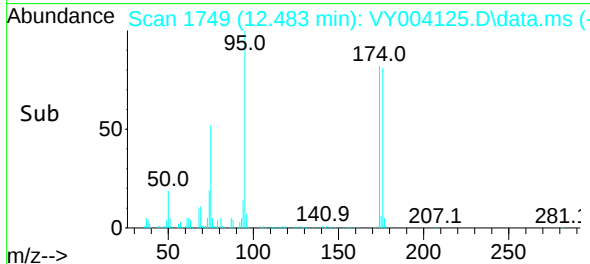
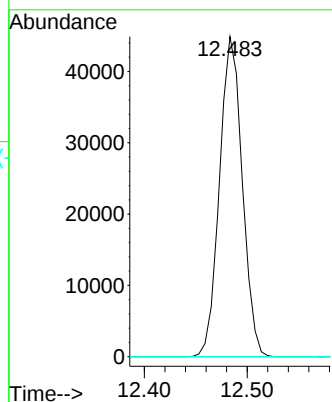
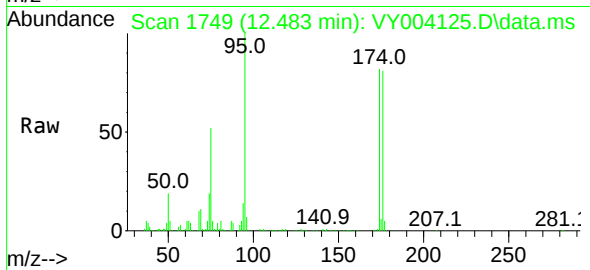




#81
trans-1,4-Dichloro-2-butene
Concen: 109.46 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

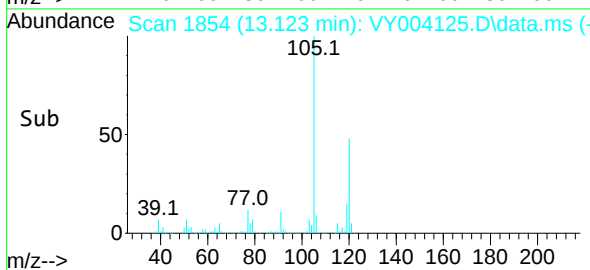
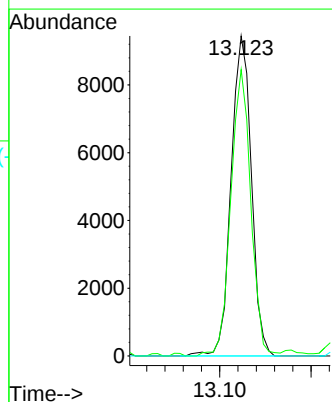
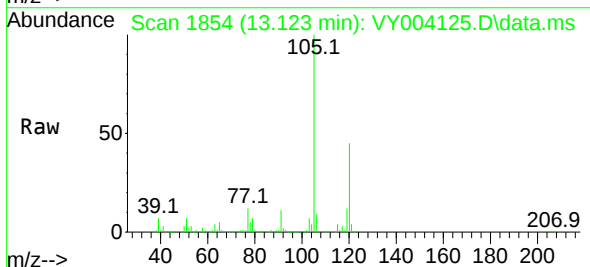
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-031821

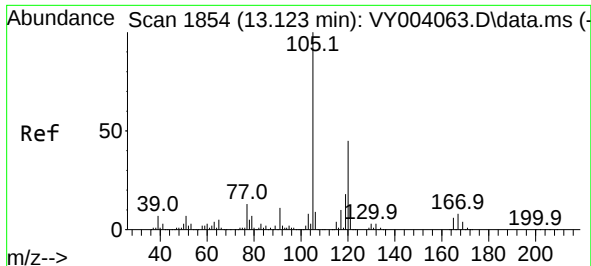
Tgt Ion: 75 Resp: 69002
Ion Ratio Lower Upper
75 100
53 0.0 73.5 110.3#
89 0.0 35.7 53.5#



#83
tert-Butylbenzene
Concen: 2.21 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.048 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

Tgt Ion: 119 Resp: 14538
Ion Ratio Lower Upper
119 100
91 88.2 33.0 99.0
134 0.0 12.9 38.7#

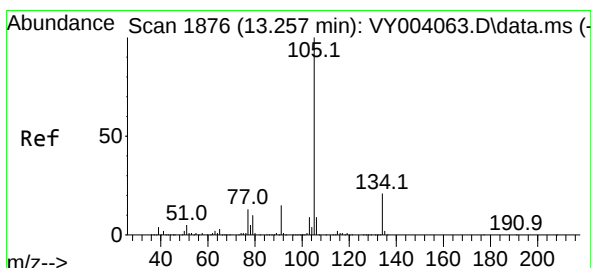
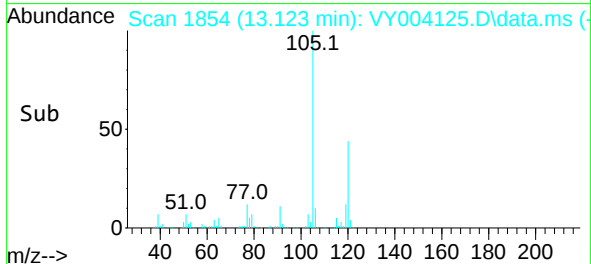
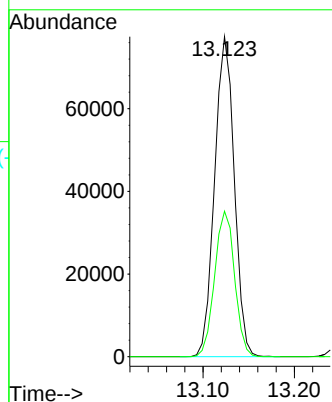
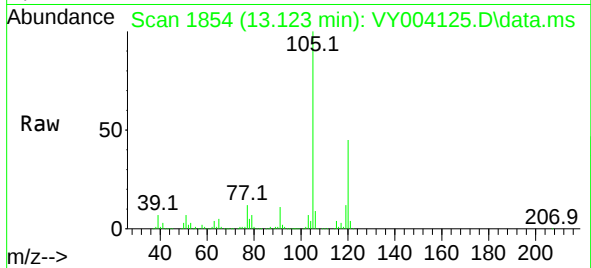




#84
1,2,4-Trimethylbenzene
Concen: 15.11 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

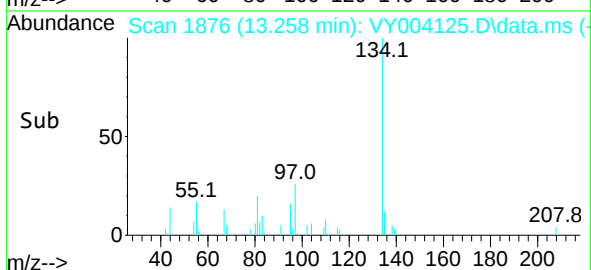
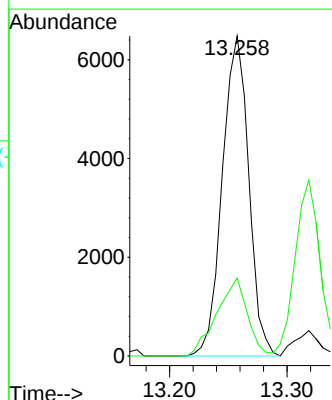
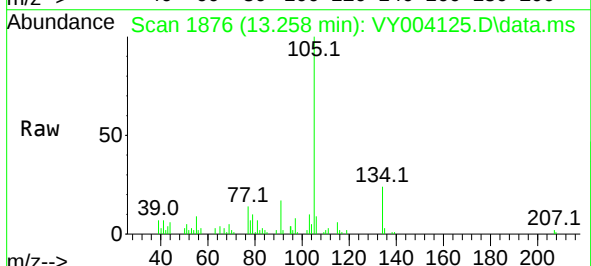
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-031821

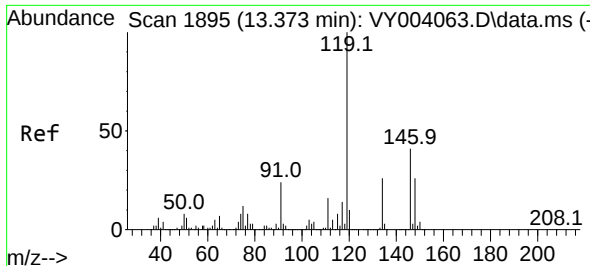
Tgt Ion:105 Resp: 115721
Ion Ratio Lower Upper
105 100
120 46.1 22.1 66.3



#85
sec-Butylbenzene
Concen: 1.11 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. 0.001 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

Tgt Ion:105 Resp: 10115
Ion Ratio Lower Upper
105 100
134 28.3 10.2 30.4

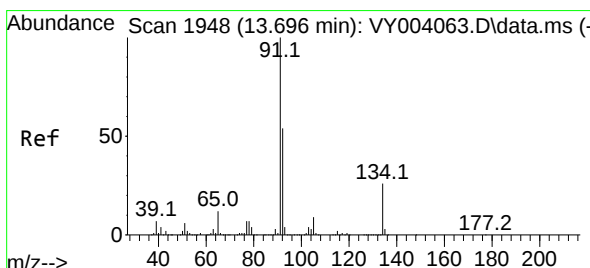
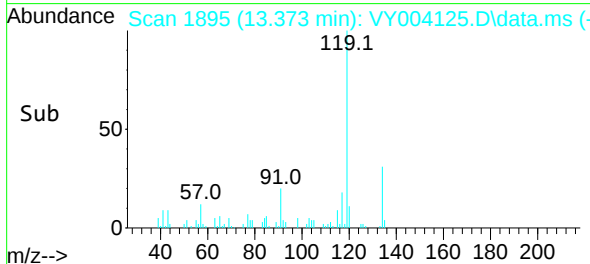
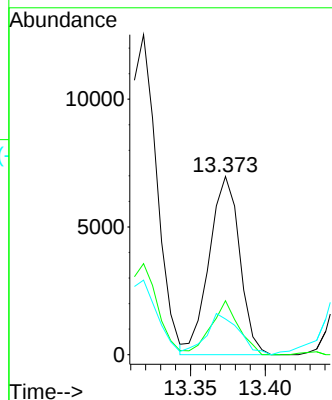
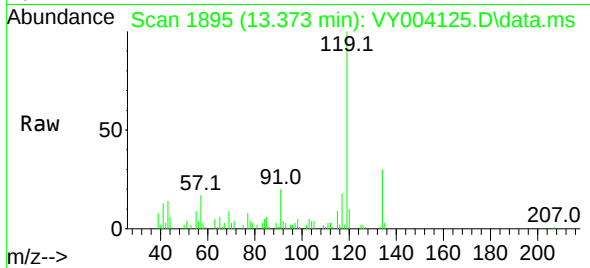




#86
p-Isopropyltoluene
Concen: 1.18 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

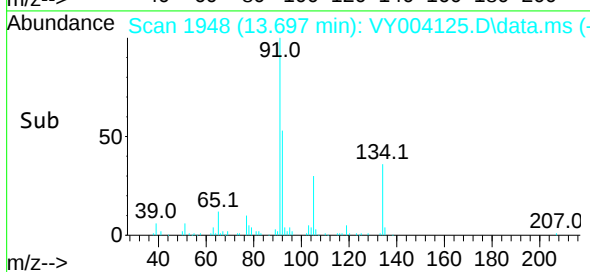
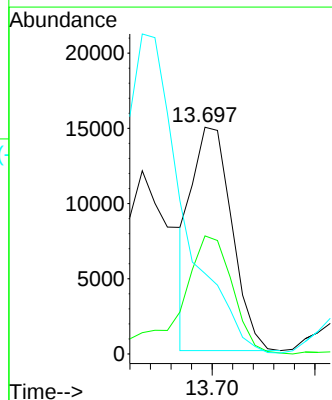
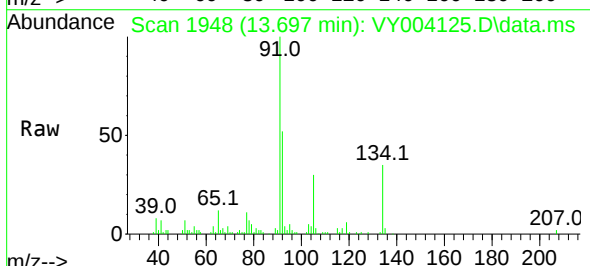
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-031821

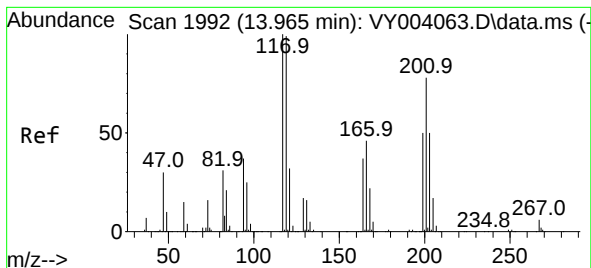
Tgt Ion:	119	Resp:	9914
Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.2	39.5
91	24.6	12.1	36.3



#89
n-Butylbenzene
Concen: 2.50 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.001 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

Tgt Ion:	91	Resp:	20015
Ion	Ratio	Lower	Upper
91	100		
92	68.5	26.5	79.4
134	0.0	13.2	39.5#

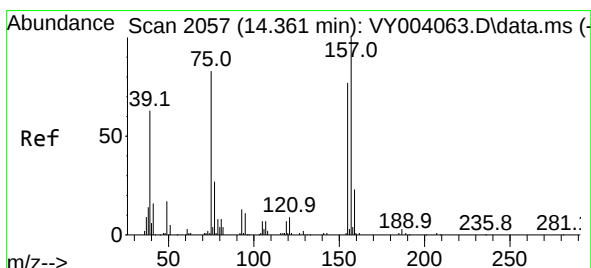
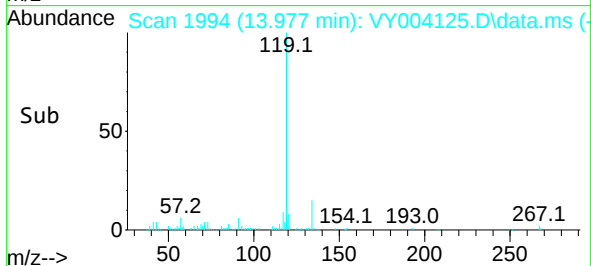
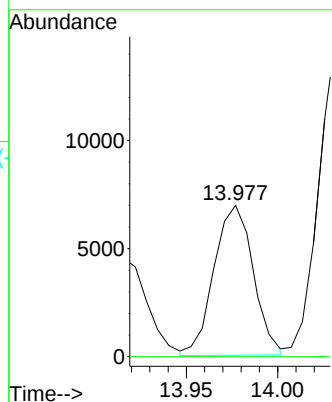
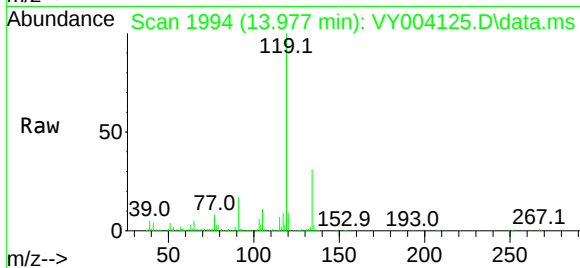




#90
Hexachloroethane
Concen: 6.85 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

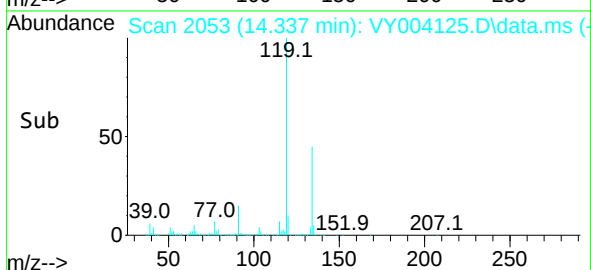
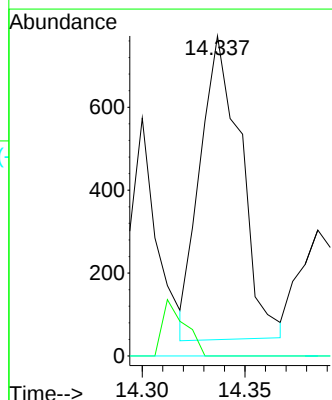
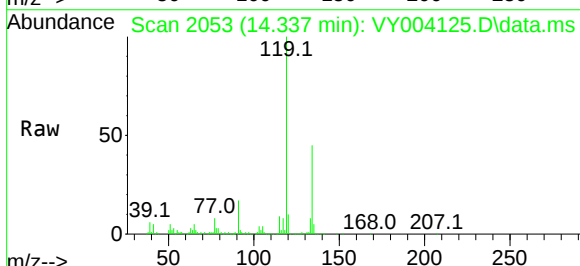
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-031821

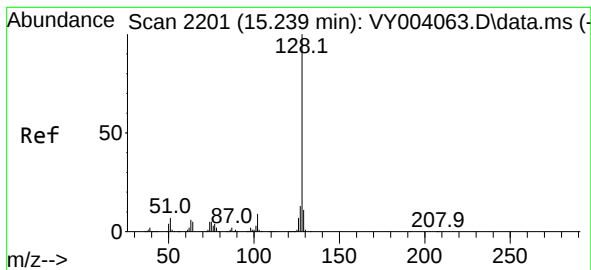
Tgt Ion:117 Resp: 10350
Ion Ratio Lower Upper
117 100
201 0.0 46.0 138.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.41 ug/l
RT: 14.337 min Scan# 2053
Delta R.T. -0.024 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

Tgt Ion: 75 Resp: 1009
Ion Ratio Lower Upper
75 100
155 0.0 42.8 128.4#
157 0.0 52.4 157.3#





#95
Naphthalene
Concen: 12.23 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004125.D
Acq: 18 Mar 2021 16:55

Instrument :
MSVOA_Y
ClientSampleId :
HD-01-031821

Tgt Ion:128 Resp: 58622
Ion Ratio Lower Upper
128 100
127 14.3 10.6 16.0
129 13.6 8.7 13.1#

