

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031821\
 Data File : VY004121.D
 Acq On : 18 Mar 2021 14:59
 Operator : SY/MD
 Sample : M1713-03
 Misc : 5.03g/5mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 19 01:43:19 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)

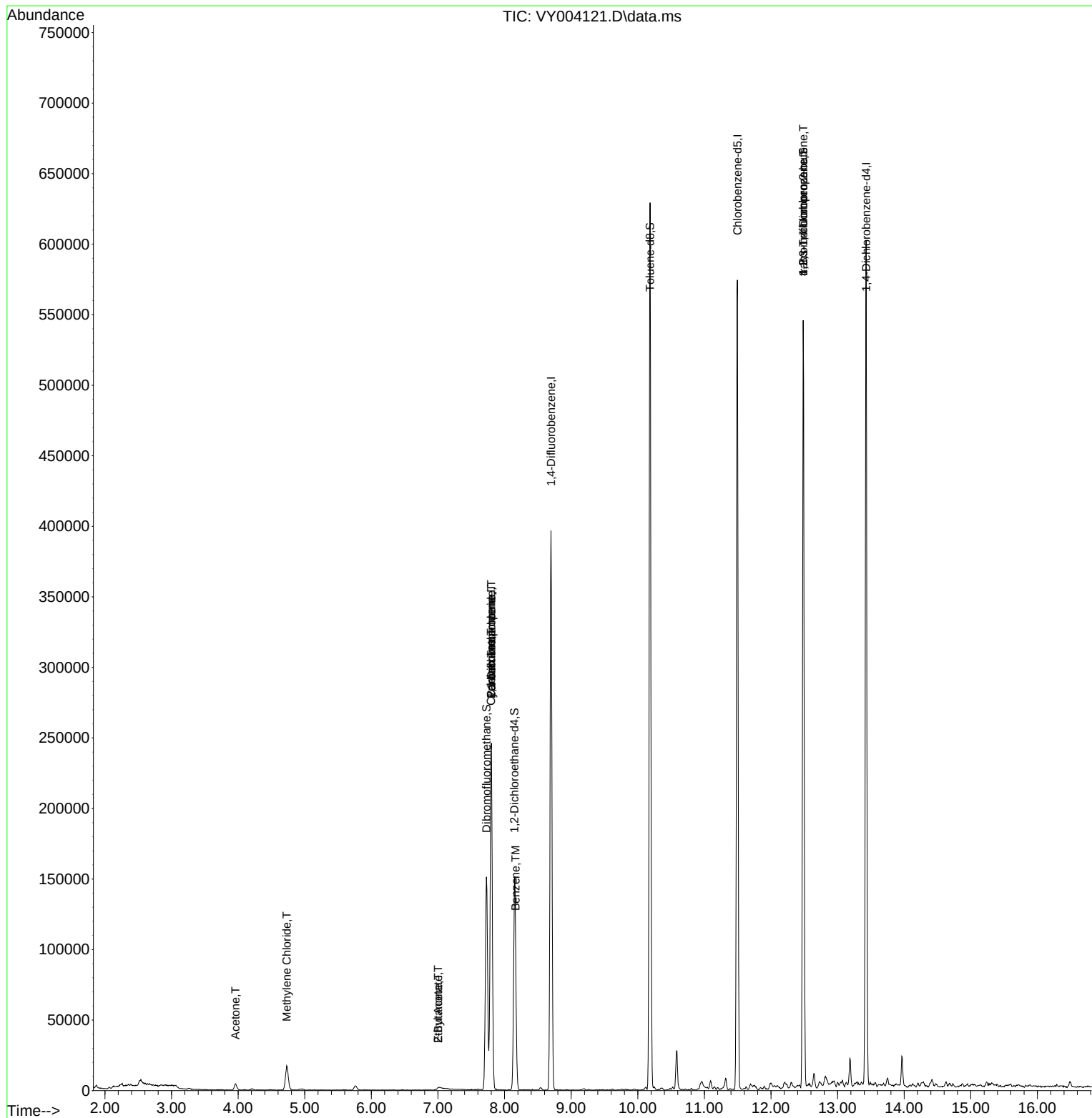
Internal Standards						
1) Pentafluorobenzene	7.801	168	196209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	339034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	320167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151299	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	109920	56.77	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.54%			
35) Dibromofluoromethane	7.728	113	103862	54.32	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.64%			
50) Toluene-d8	10.185	98	402520	53.70	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.40%			
62) 4-Bromofluorobenzene	12.483	95	144560	52.22	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.44%			
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	19	Below Cal	#	41
3) Chloromethane	2.119	50	413	Below Cal	#	79
16) Acetone	3.960	43	7276	15.57	ug/l	92
20) Methylene Chloride	4.729	84	12712	1.93	ug/l	87
25) 2-Butanone	7.003	43	2276	3.38	ug/l	100
31) Cyclohexane	7.795	56	4200	1.24	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	15159	5.09	ug/l #	50
37) Ethyl Acetate	7.003	43	2276	1.42	ug/l #	70
38) Carbon Tetrachloride	7.801	117	19297	6.11	ug/l #	16
40) Benzene	8.167	78	22314	2.66	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	76486	52.72	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	76486	104.05	ug/l #	13

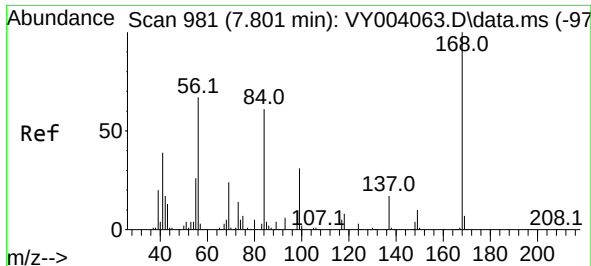
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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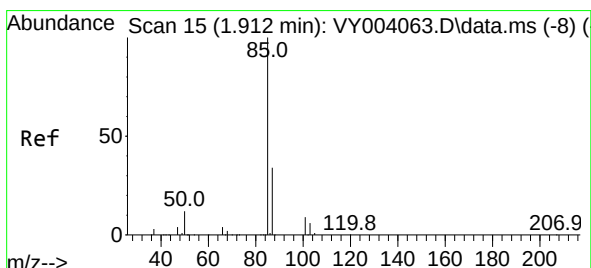
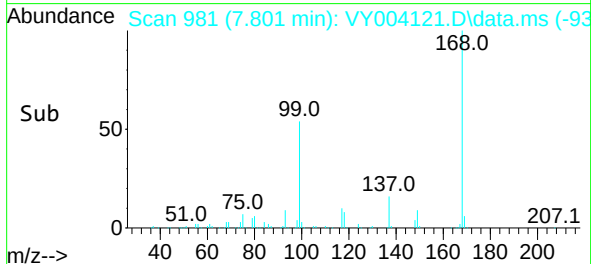
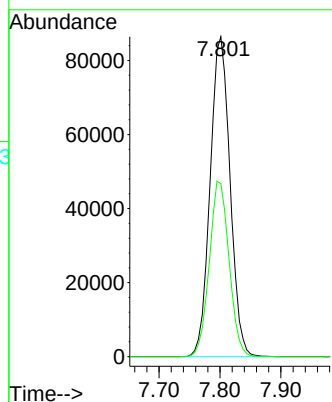
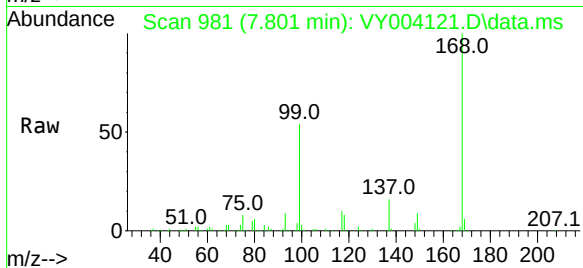




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

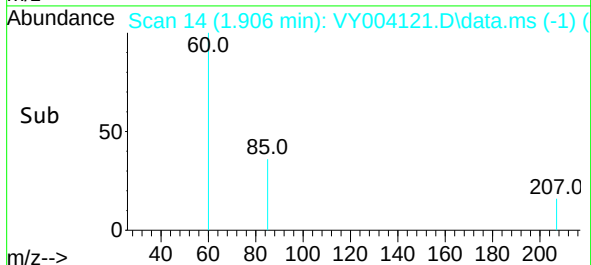
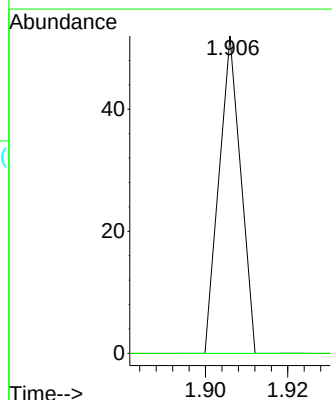
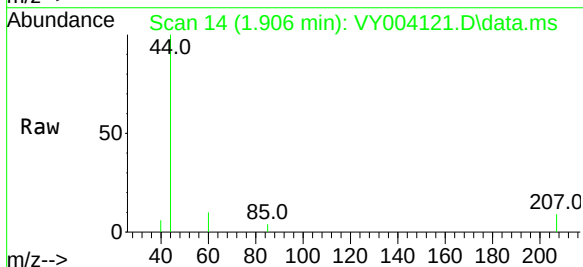
Instrument :
MSVOA_Y
ClientSampled :

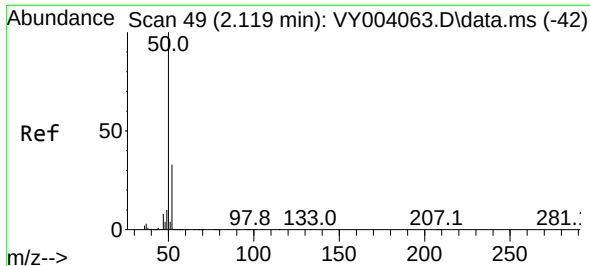
Tgt Ion:168 Resp: 196209
Ion Ratio Lower Upper
168 100
99 54.1 41.2 61.8



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 17.0 51.0#

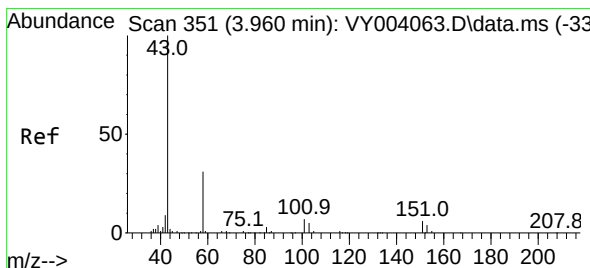
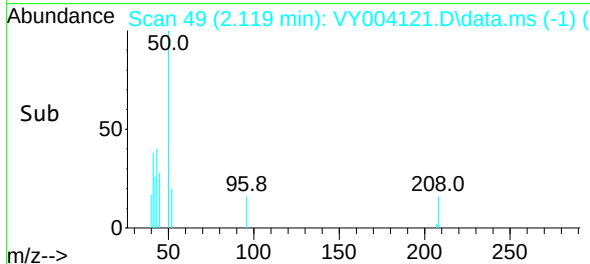
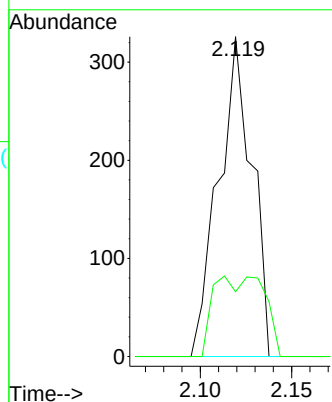
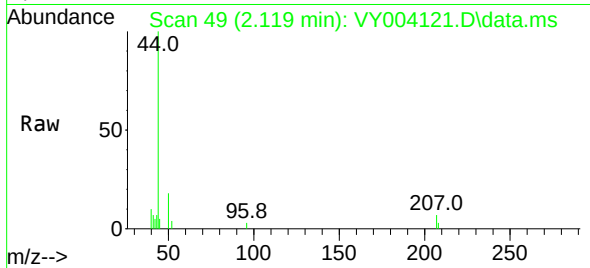




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

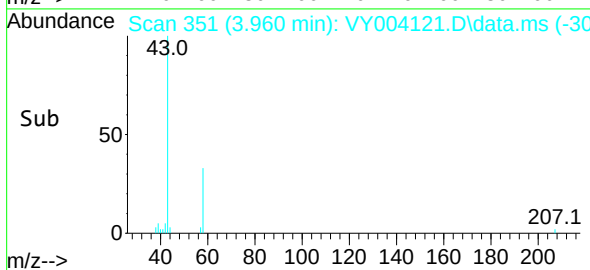
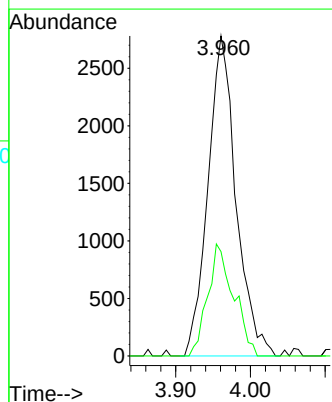
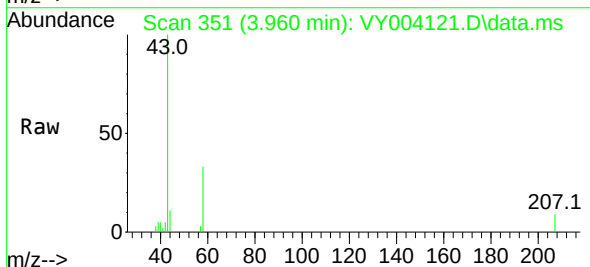
Instrument :
MSVOA_Y
ClientSampled :

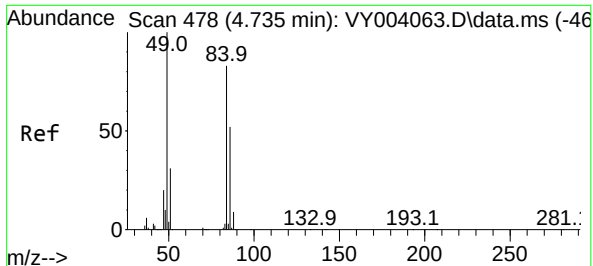
Tgt Ion: 50 Resp: 413
Ion Ratio Lower Upper
50 100
52 20.2 25.4 38.2#



#16
Acetone
Concen: 15.57 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

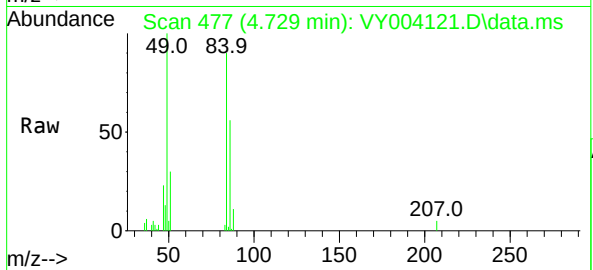
Tgt Ion: 43 Resp: 7276
Ion Ratio Lower Upper
43 100
58 32.6 22.6 34.0



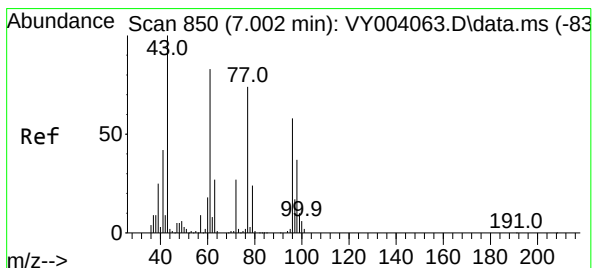
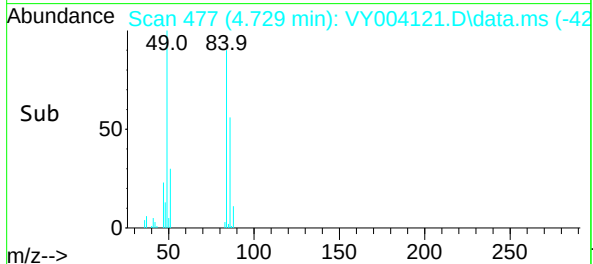
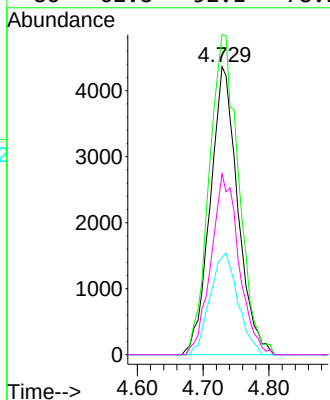


#20
Methylene Chloride
Concen: 1.93 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

Instrument :
MSVOA_Y
ClientSampled :

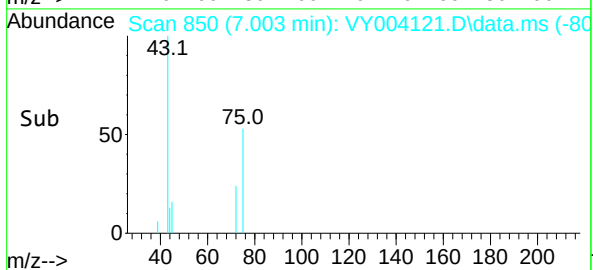
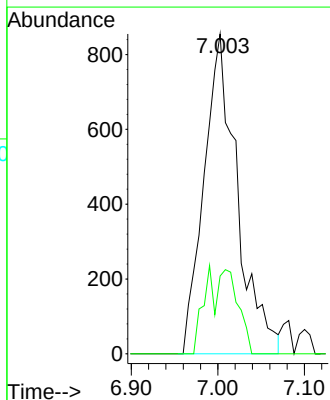
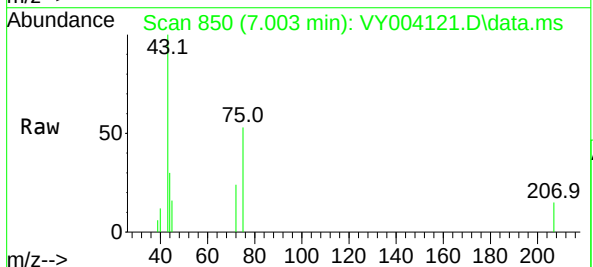


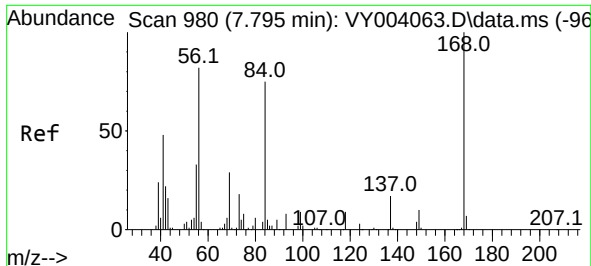
Tgt Ion: 84	Resp: 12712		
Ion	Ratio	Lower	Upper
84	100		
49	111.1	105.8	158.6
51	33.8	32.6	48.8
86	62.8	52.1	78.1



#25
2-Butanone
Concen: 3.38 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.001 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

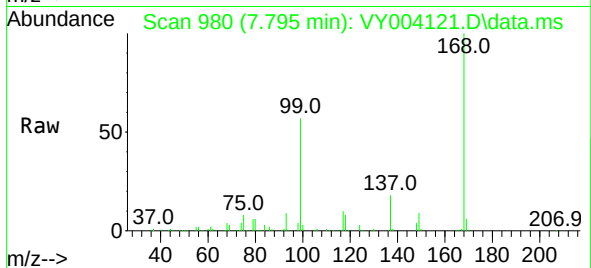
Tgt Ion: 43	Resp: 2276		
Ion Ratio	Lower	Upper	
43 100			
72 24.3	19.4	29.0	



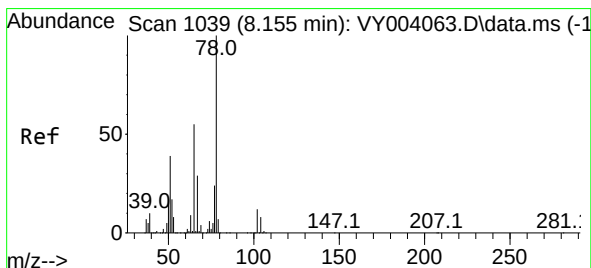
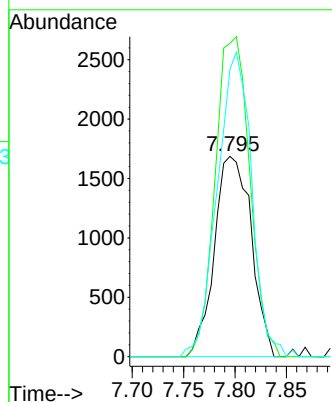
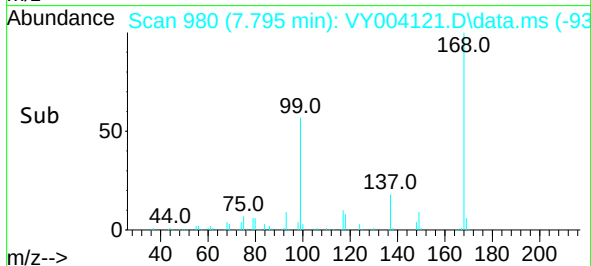


#31
Cyclohexane
Concen: 1.24 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

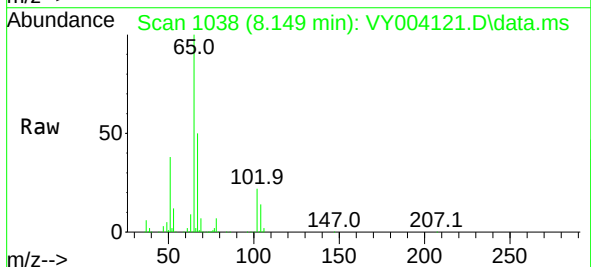
Instrument :
MSVOA_Y
ClientSampled :



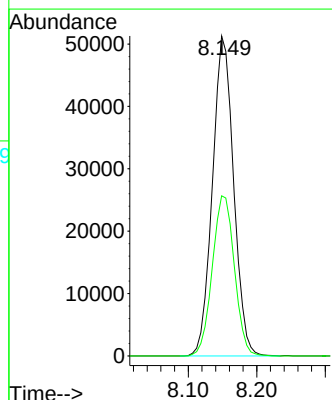
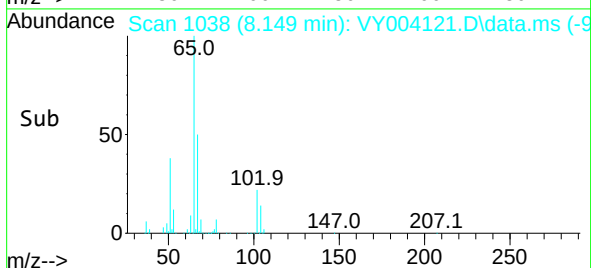
Tgt Ion: 56 Resp: 4200
Ion Ratio Lower Upper
56 100
69 156.4 25.3 37.9#
84 143.4 67.3 100.9#

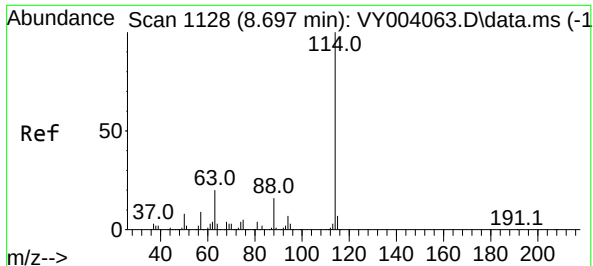


#33
1,2-Dichloroethane-d4
Concen: 56.77 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59



Tgt Ion: 65 Resp: 109920
Ion Ratio Lower Upper
65 100
67 52.3 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: VY004121.D

Acq: 18 Mar 2021 14:59

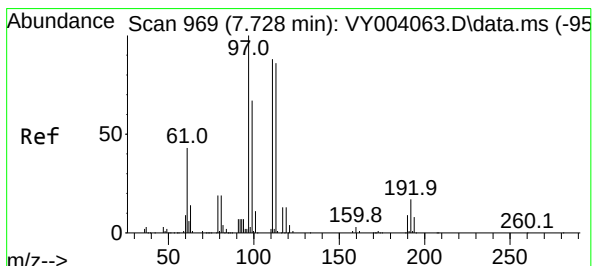
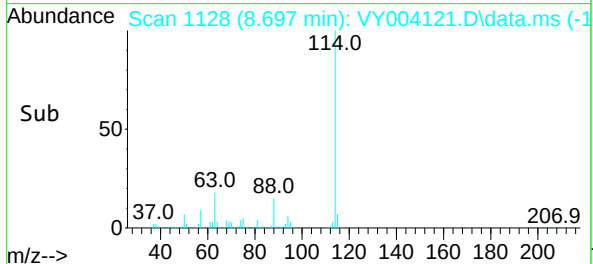
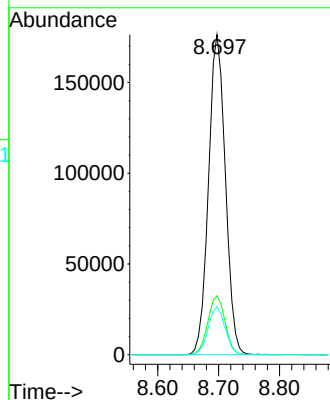
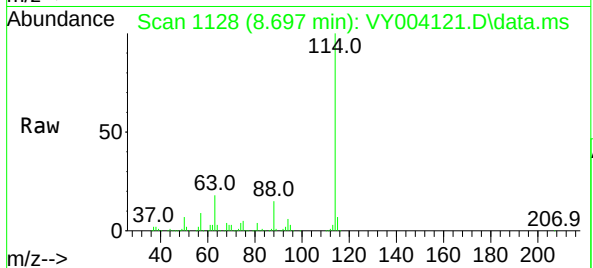
Tgt Ion:114 Resp: 339034

Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.6

88 15.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 54.32 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY004121.D

Acq: 18 Mar 2021 14:59

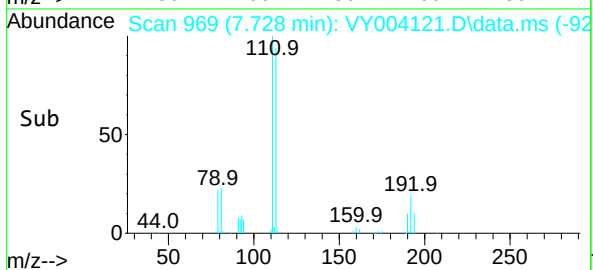
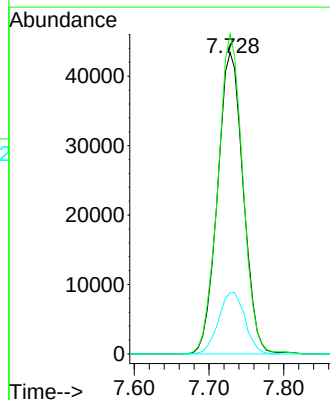
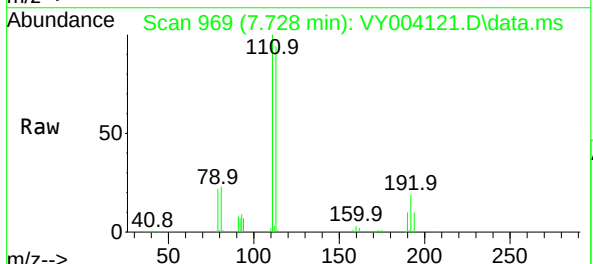
Tgt Ion:113 Resp: 103862

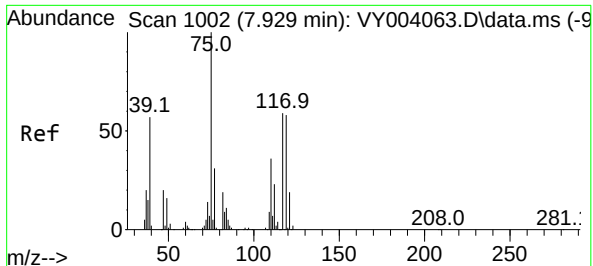
Ion Ratio Lower Upper

113 100

111 103.5 83.2 124.8

192 21.0 18.5 27.7

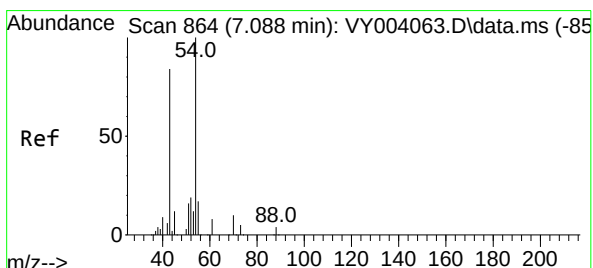
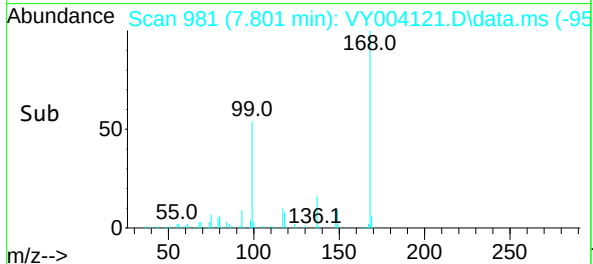
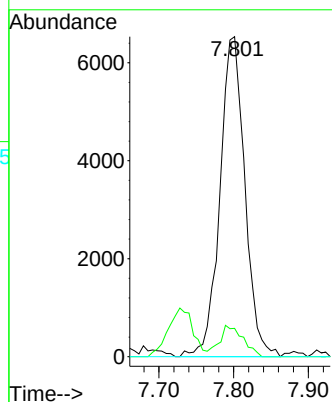
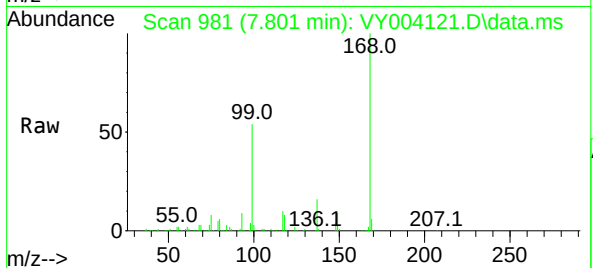




#36
1,1-Dichloropropene
Concen: 5.09 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

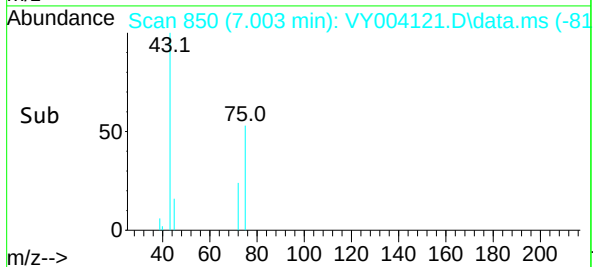
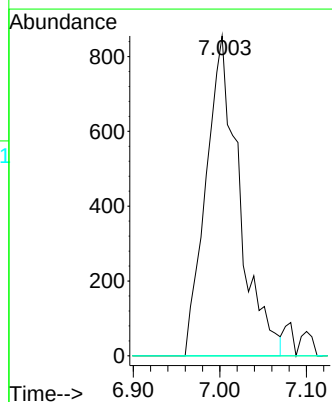
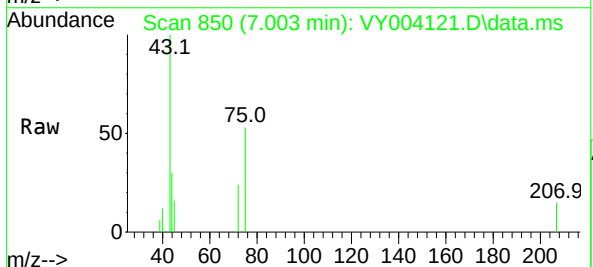
Instrument :
MSVOA_Y
ClientSampled :

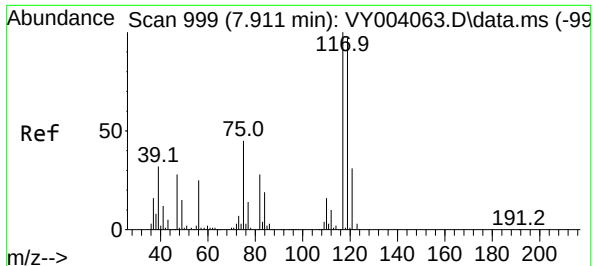
Tgt Ion: 75 Resp: 15159
Ion Ratio Lower Upper
75 100
110 9.1 17.4 52.3#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 1.42 ug/l
RT: 7.003 min Scan# 850
Delta R.T. -0.085 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

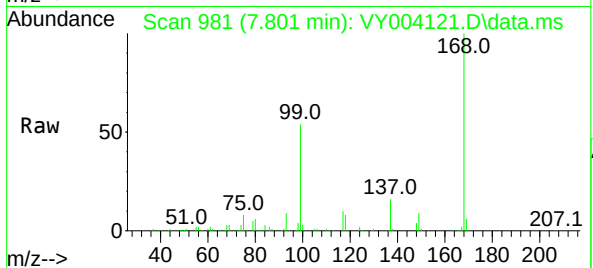
Tgt Ion: 43 Resp: 2276
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.7 11.5#



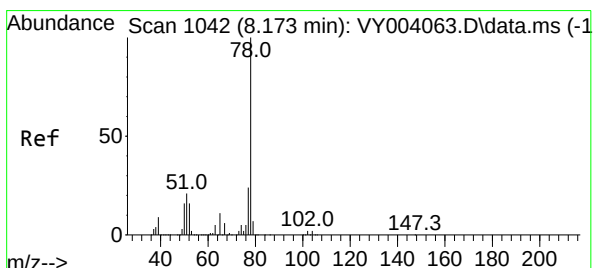
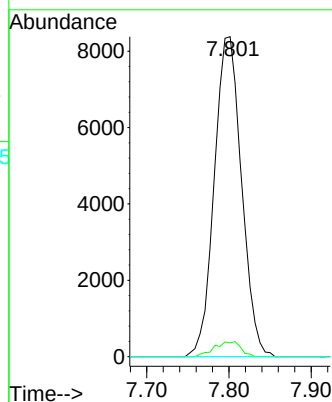
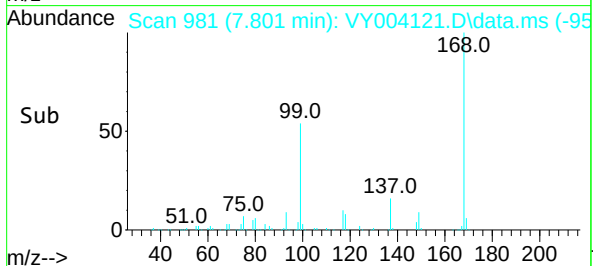


#38
Carbon Tetrachloride
Concen: 6.11 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

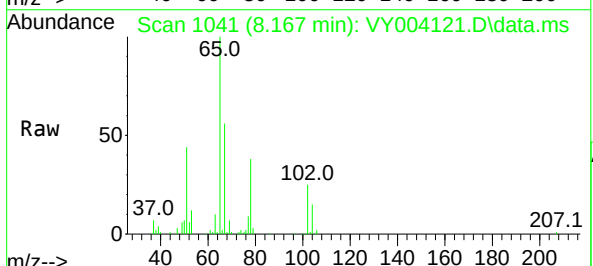
Instrument :
MSVOA_Y
ClientSampled :



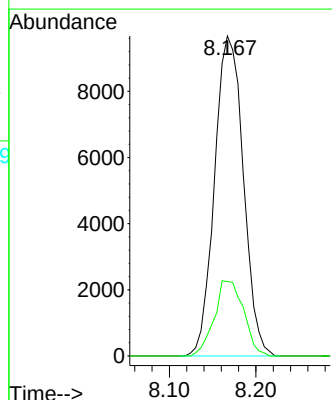
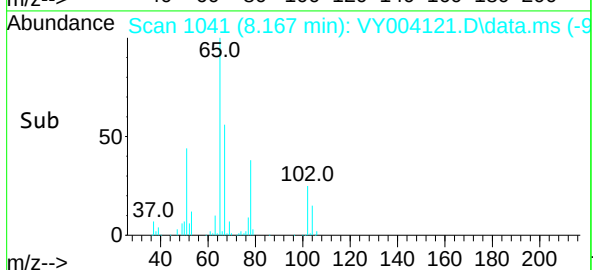
Tgt Ion:117 Resp: 19297
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.0#
121 0.0 24.2 36.2#

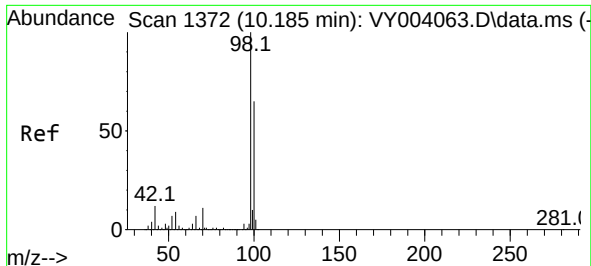


#40
Benzene
Concen: 2.66 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59



Tgt Ion: 78 Resp: 22314
Ion Ratio Lower Upper
78 100
77 23.2 20.1 30.1

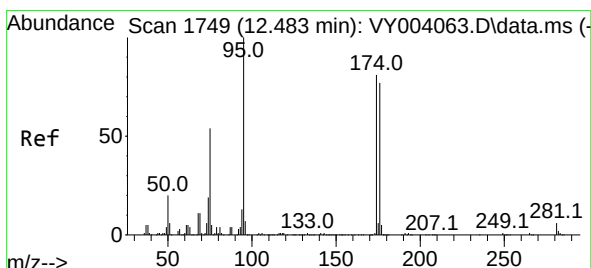
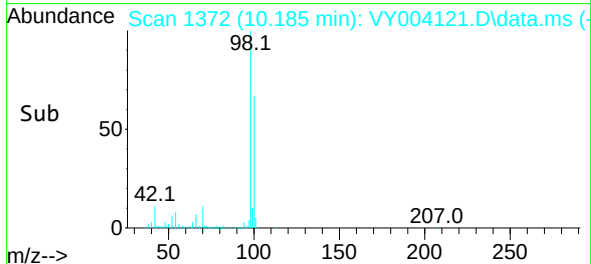
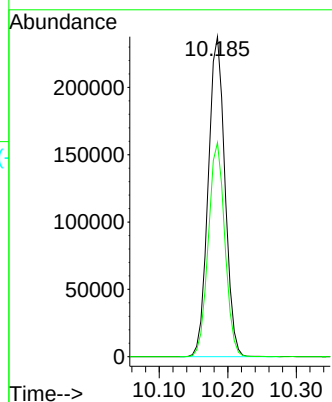
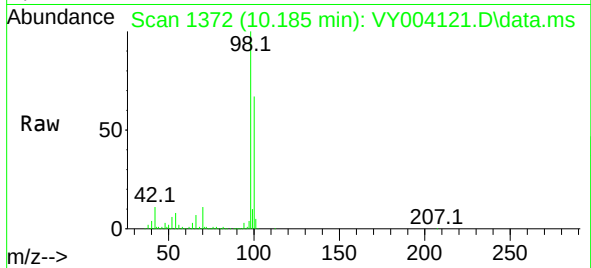




#50
Toluene-d8
Concen: 53.70 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

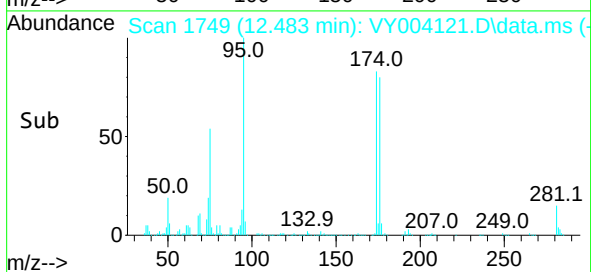
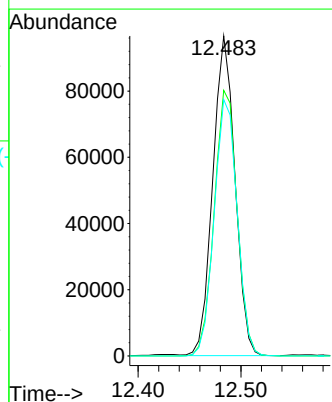
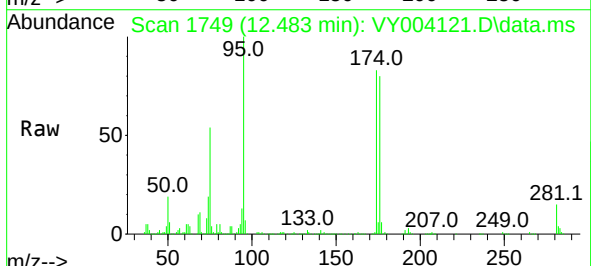
Instrument :
MSVOA_Y
ClientSampled :

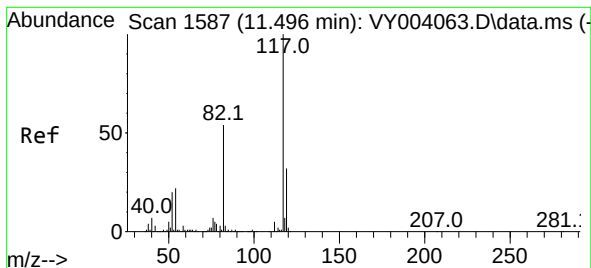
Tgt Ion: 98 Resp: 402520
Ion Ratio Lower Upper
98 100
100 66.0 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 52.22 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

Tgt Ion: 95 Resp: 144560
Ion Ratio Lower Upper
95 100
174 85.5 0.0 179.0
176 83.0 0.0 174.4

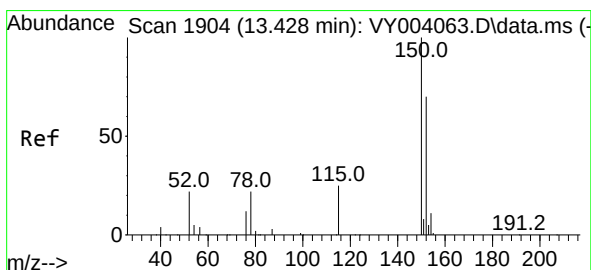
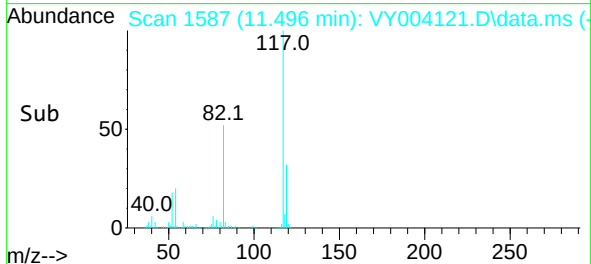
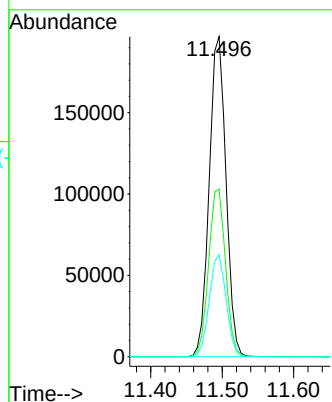
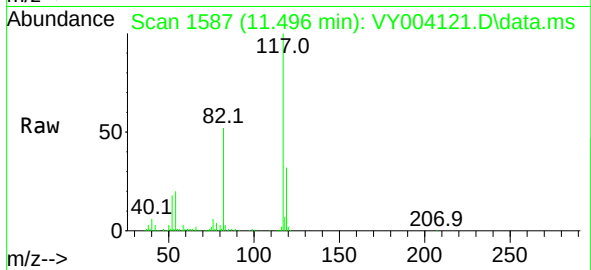




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

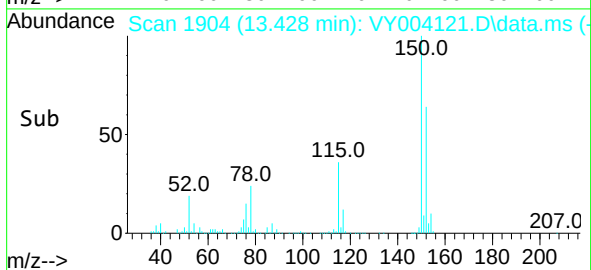
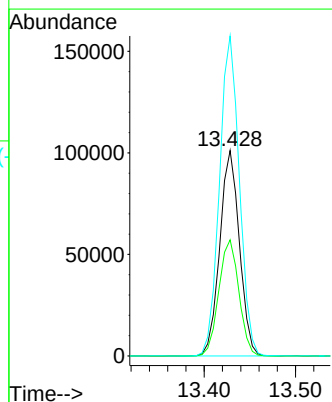
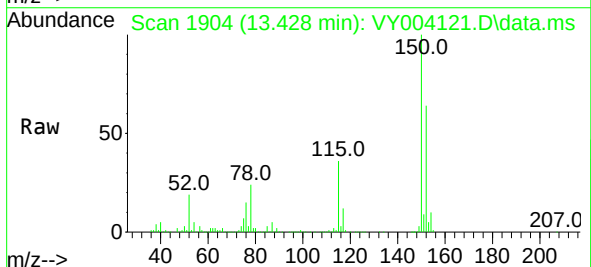
Instrument :
MSVOA_Y
ClientSampleId :

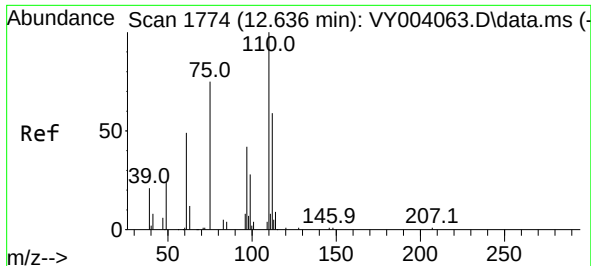
Tgt Ion:117 Resp: 320167
Ion Ratio Lower Upper
117 100
82 52.4 43.8 65.6
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

Tgt Ion:152 Resp: 151299
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.6
150 157.4 0.0 347.2

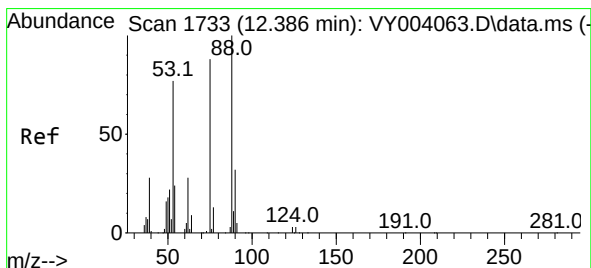
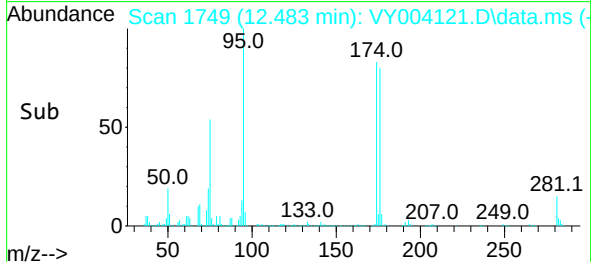
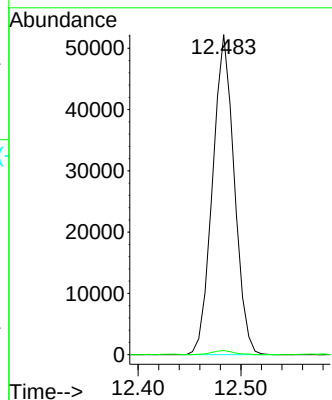
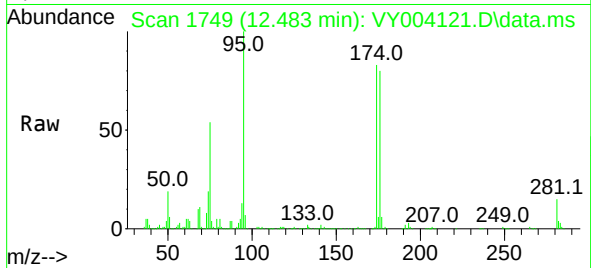




#76
1,2,3-Trichloropropane
Concen: 52.72 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 75 Resp: 76486
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.05 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004121.D
Acq: 18 Mar 2021 14:59

Tgt Ion: 75 Resp: 76486
Ion Ratio Lower Upper
75 100
53 0.2 73.5 110.3#
89 0.0 35.7 53.5#

