

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032521\
 Data File : VY004202.D
 Acq On : 25 Mar 2021 15:35
 Operator : SY/MD
 Sample : M1812-05
 Misc : 7.32g/5mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 01:14:27 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)

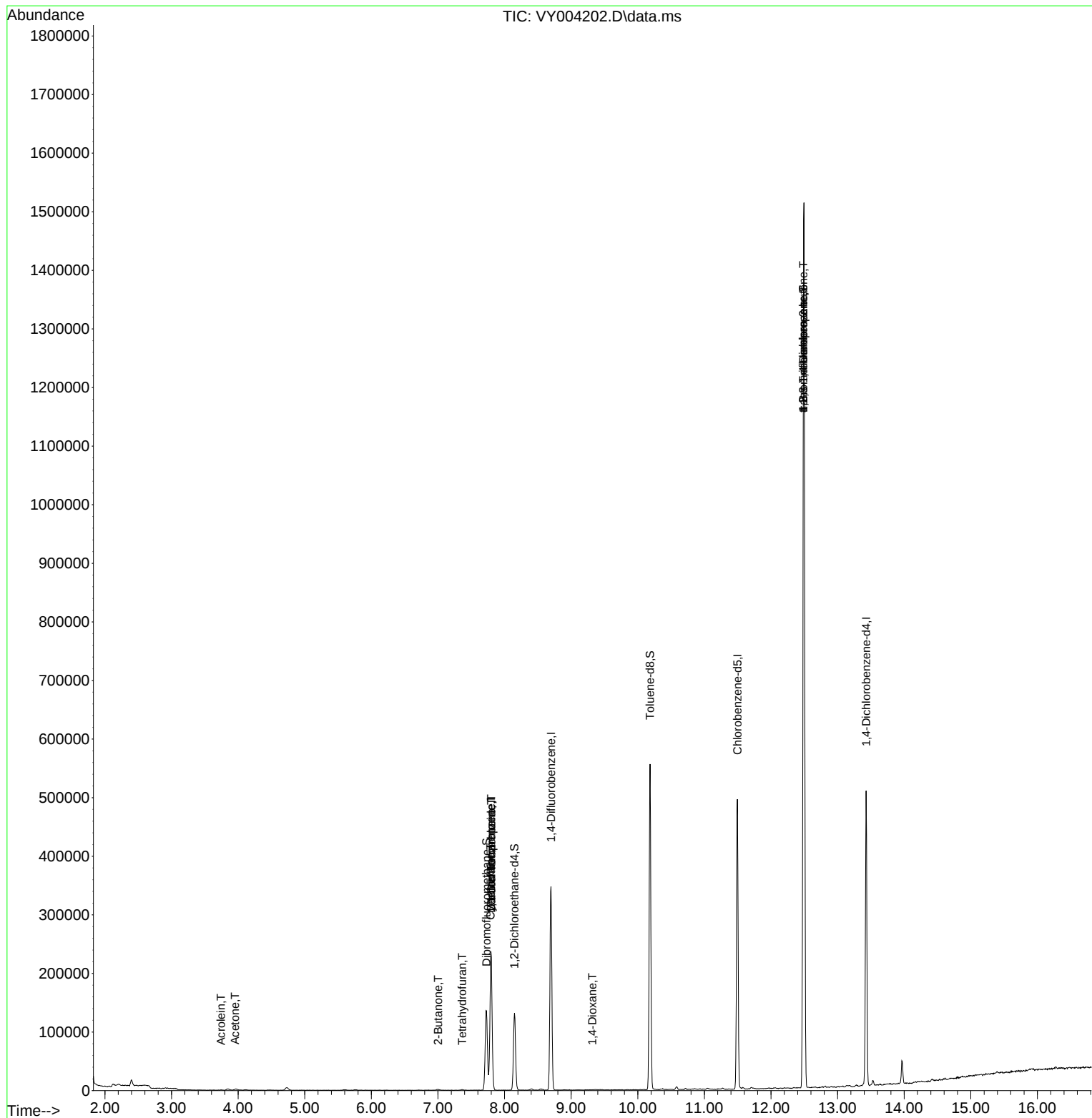
Internal Standards						
1) Pentafluorobenzene	7.795	168	186270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	303761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	269576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125452	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	104196	56.68	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.36%			
35) Dibromofluoromethane	7.728	113	94637	55.25	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.50%			
50) Toluene-d8	10.185	98	358183	53.34	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.68%			
62) 4-Bromofluorobenzene	12.483	95	122927	49.56	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.12%			
Target Compounds						
3) Chloromethane	2.119	50	3036	Below Cal		91
13) Acrolein	3.741	56	623	3.78	ug/l	98
16) Acetone	3.954	43	4603	10.37	ug/l	96
20) Methylene Chloride	4.723	84	3795	Below Cal	#	78
25) 2-Butanone	7.003	43	1499	2.34	ug/l #	88
29) Tetrahydrofuran	7.362	42	973	2.34	ug/l #	89
31) Cyclohexane	7.789	56	4070	1.26	ug/l #	4
36) 1,1-Dichloropropene	7.801	75	13514	5.06	ug/l #	51
38) Carbon Tetrachloride	7.801	117	18362	6.49	ug/l #	17
49) 1,4-Dioxane	9.319	88	496	36.31	ug/l #	55
76) 1,2,3-Trichloropropane	12.483	75	75594	62.84	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	75594	124.03	ug/l #	15

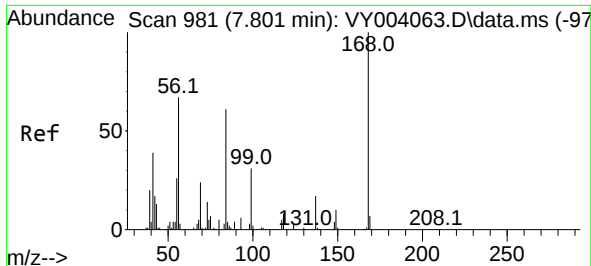
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260
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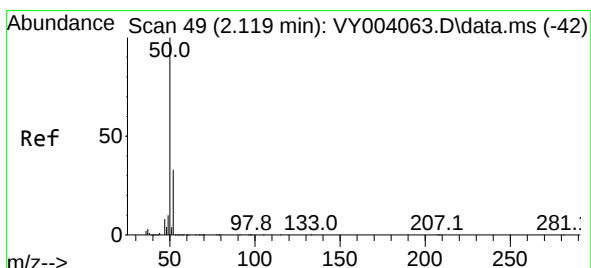
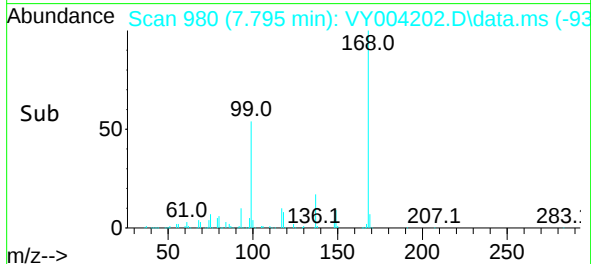
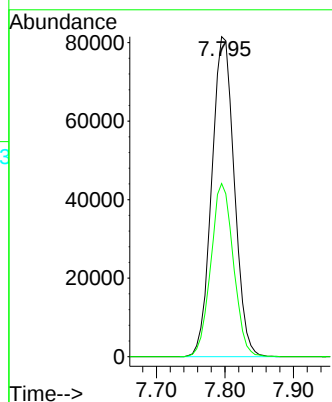
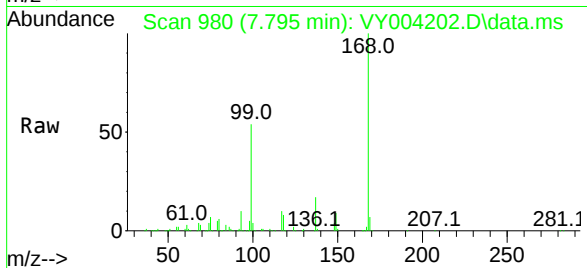




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

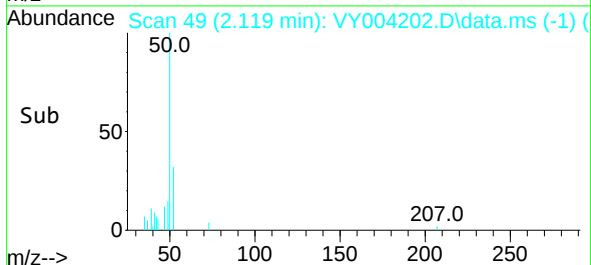
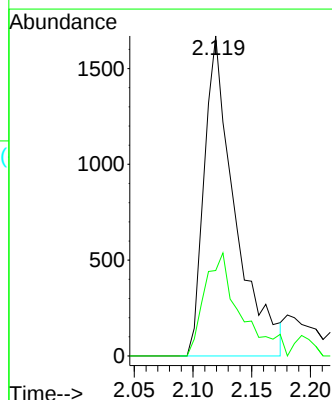
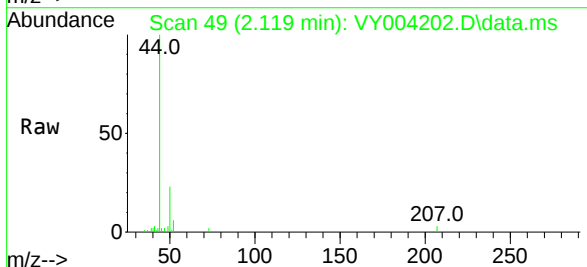
Instrument :
MSVOA_Y
ClientSampled :

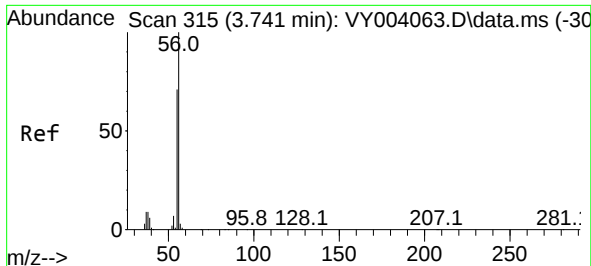
Tgt Ion:168 Resp: 186270
Ion Ratio Lower Upper
168 100
99 54.1 41.2 61.8



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

Tgt Ion: 50 Resp: 3036
Ion Ratio Lower Upper
50 100
52 26.7 25.4 38.2

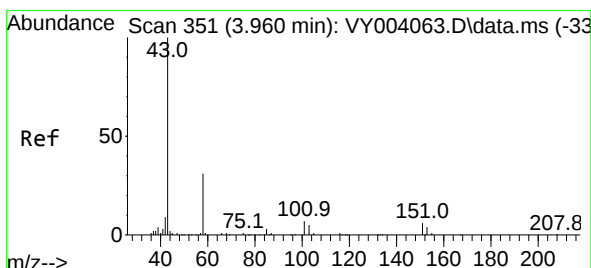
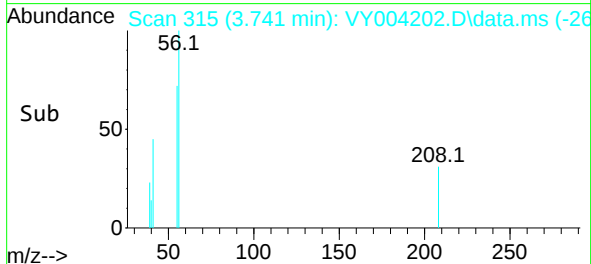
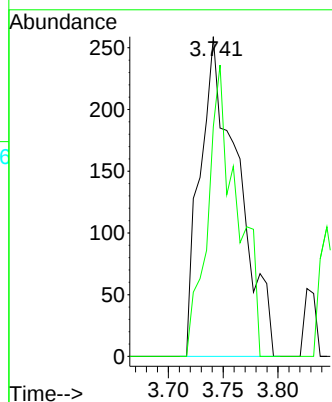
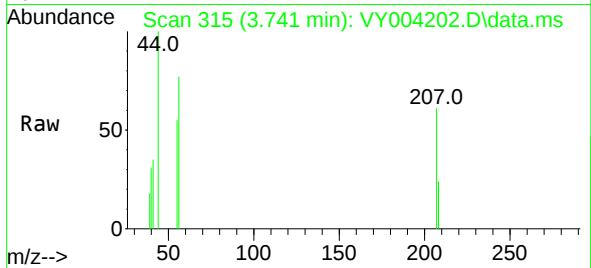




#13
Acrolein
Concen: 3.78 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.000 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

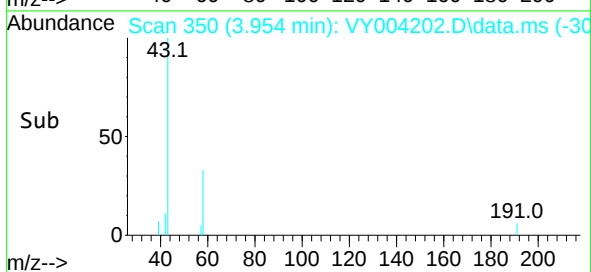
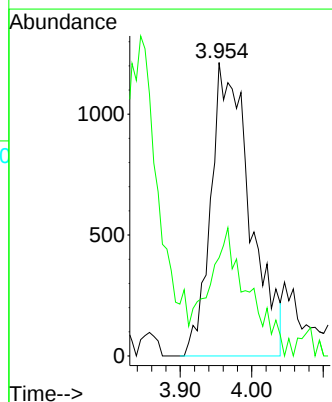
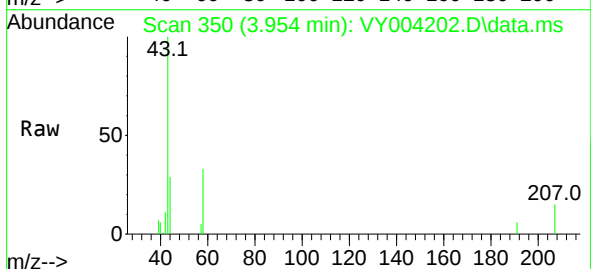
Instrument :
MSVOA_Y
ClientSampled :

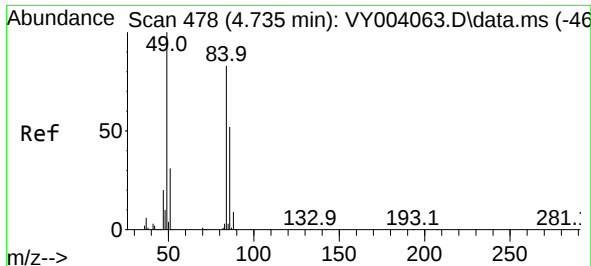
Tgt Ion: 56 Resp: 623
Ion Ratio Lower Upper
56 100
55 70.9 55.4 83.0



#16
Acetone
Concen: 10.37 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

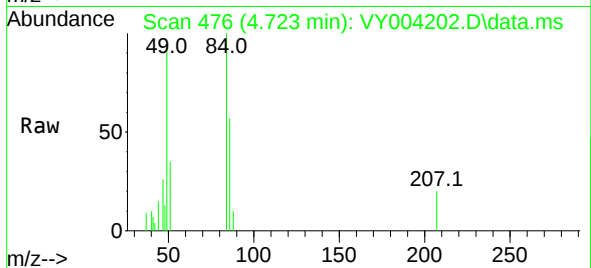
Tgt Ion: 43 Resp: 4603
Ion Ratio Lower Upper
43 100
58 26.3 22.6 34.0



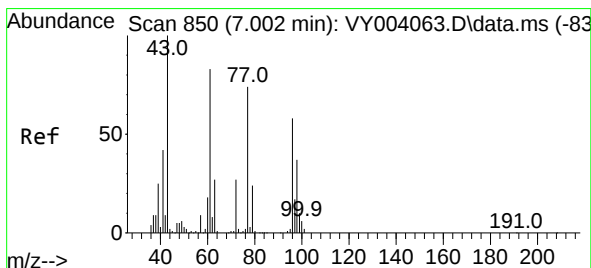
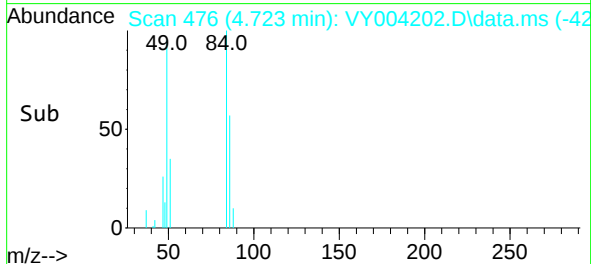
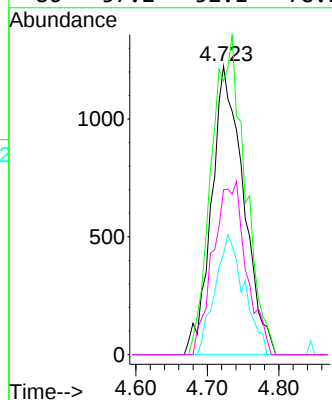


#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. -0.012 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

Instrument :
MSVOA_Y
ClientSampled :

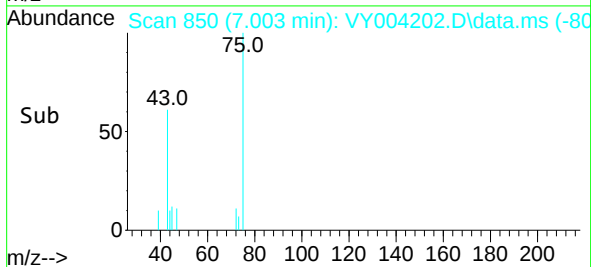
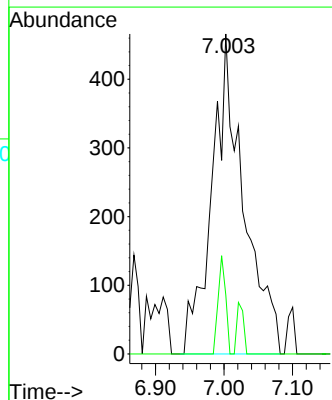
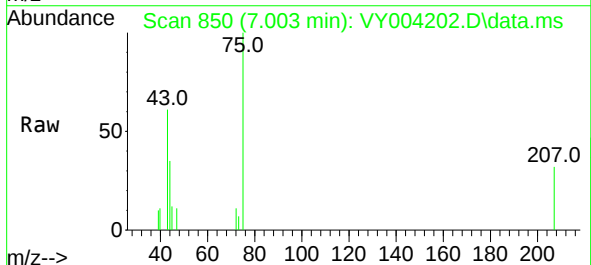


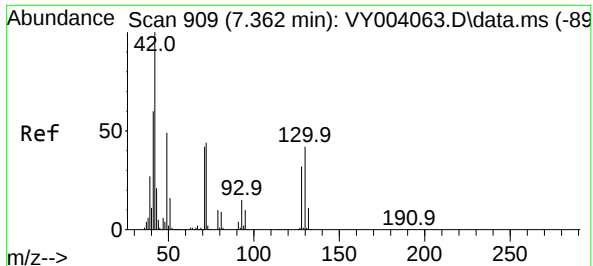
Tgt Ion:	84	Resp:	3795
Ion	Ratio	Lower	Upper
84	100		
49	94.9	105.8	158.6#
51	35.0	32.6	48.8
86	57.2	52.1	78.1



#25
2-Butanone
Concen: 2.34 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.001 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

Tgt Ion:	43	Resp:	1499
Ion	Ratio	Lower	Upper
43	100		
72	18.5	19.4	29.0#





#29

Tetrahydrofuran

Concen: 2.34 ug/l

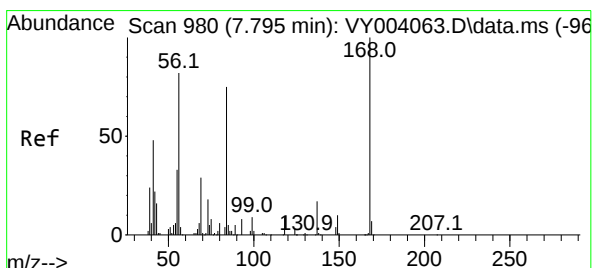
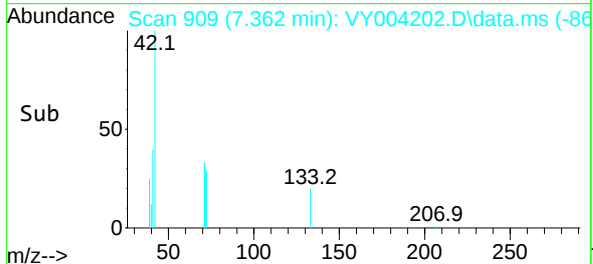
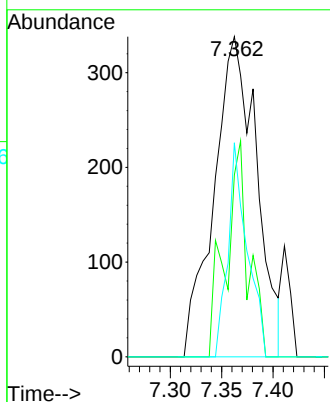
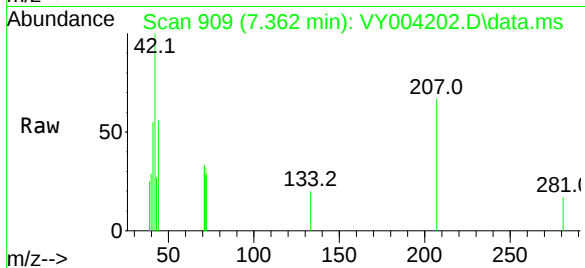
RT: 7.362 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY004202.D

Acq: 25 Mar 2021 15:35

Tgt Ion:	42	Resp:	973
Ion	Ratio	Lower	Upper
42	100		
72	35.8	32.6	48.8
71	30.2	31.0	46.6#



#31

Cyclohexane

Concen: 1.26 ug/l

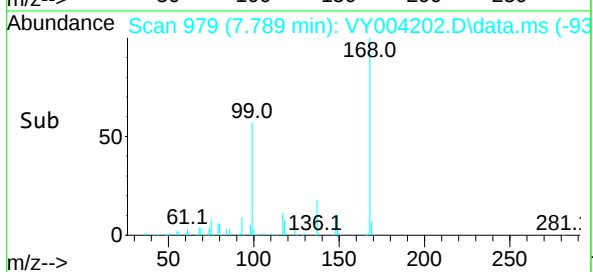
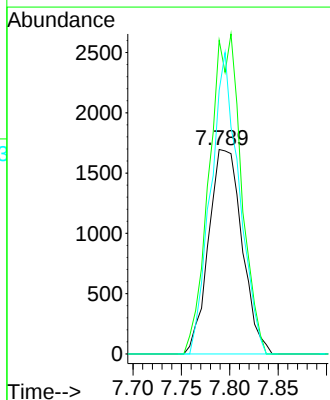
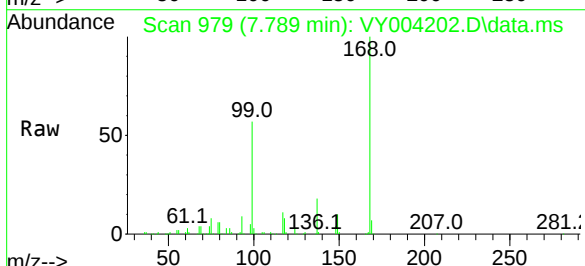
RT: 7.789 min Scan# 979

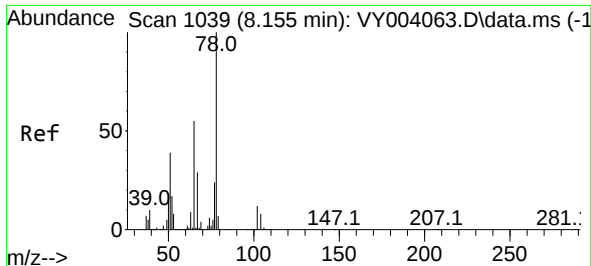
Delta R.T. -0.006 min

Lab File: VY004202.D

Acq: 25 Mar 2021 15:35

Tgt Ion:	56	Resp:	4070
Ion	Ratio	Lower	Upper
56	100		
69	153.4	25.3	37.9#
84	128.8	67.3	100.9#

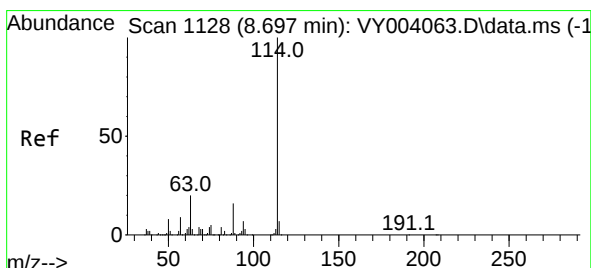
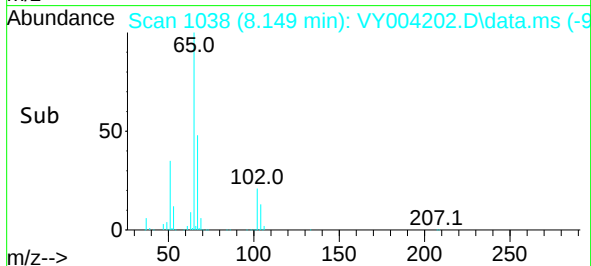
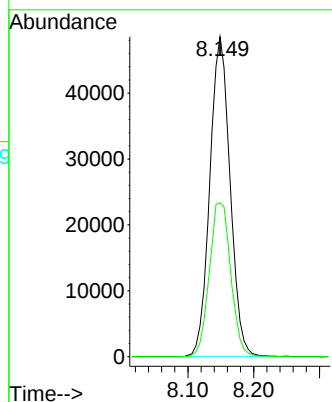
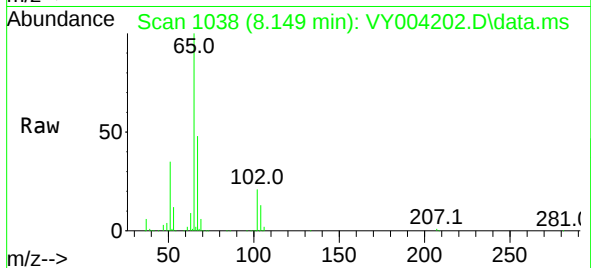




#33
 1,2-Dichloroethane-d4
 Concen: 56.68 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.006 min
 Lab File: VY004202.D
 Acq: 25 Mar 2021 15:35

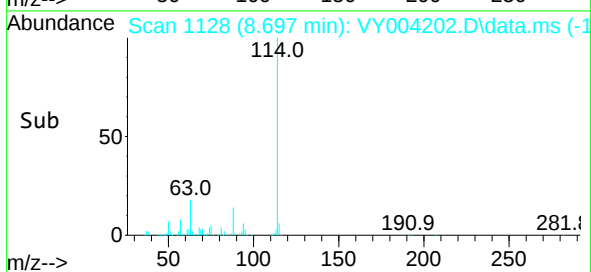
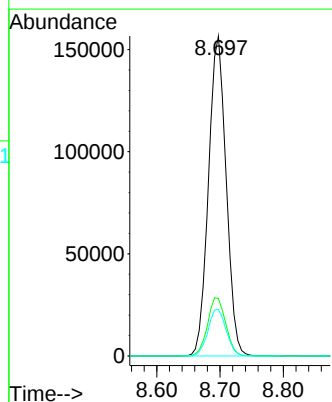
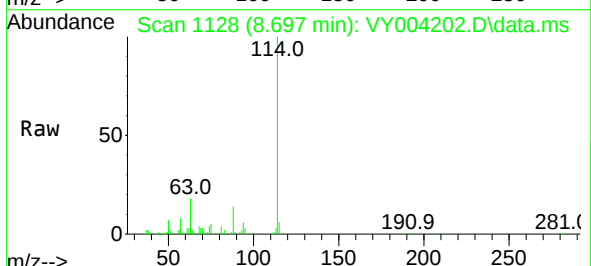
Instrument :
 MSVOA_Y
 ClientSampled :

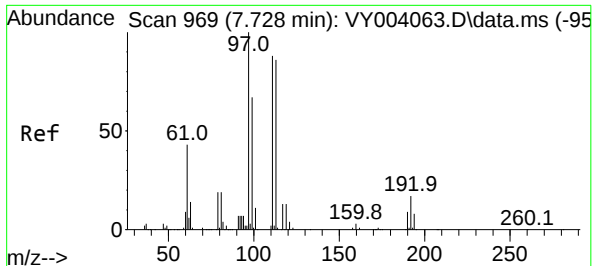
Tgt Ion: 65 Resp: 104196
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY004202.D
 Acq: 25 Mar 2021 15:35

Tgt Ion: 114 Resp: 303761
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 41.6
 88 14.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.25 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY004202.D

Acq: 25 Mar 2021 15:35

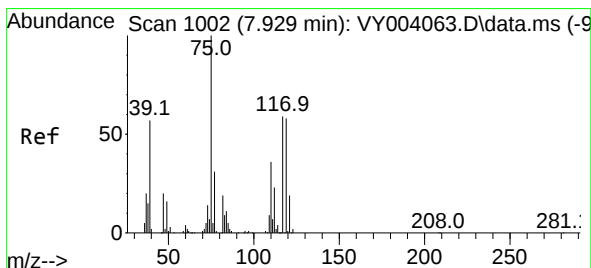
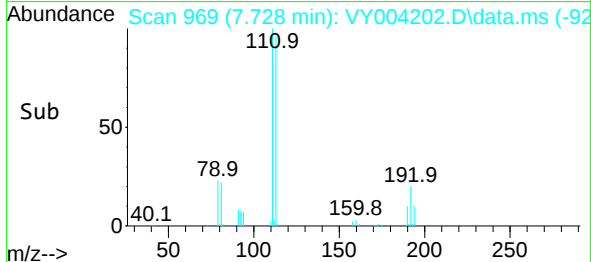
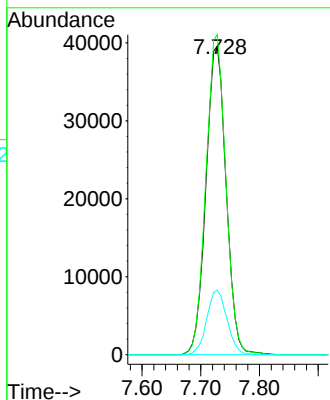
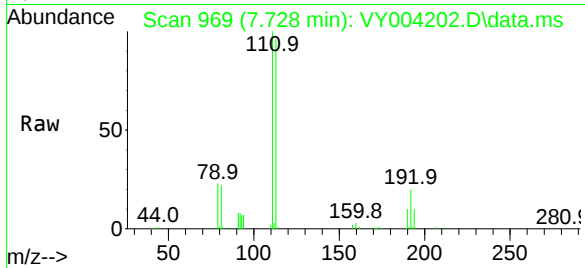
Tgt Ion:113 Resp: 94637

Ion Ratio Lower Upper

113 100

111 102.3 83.2 124.8

192 20.9 18.5 27.7



#36

1,1-Dichloropropene

Concen: 5.06 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY004202.D

Acq: 25 Mar 2021 15:35

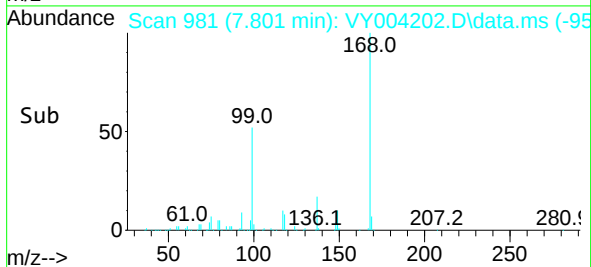
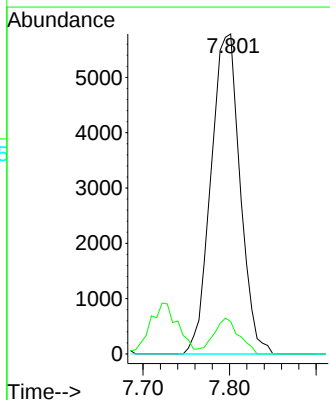
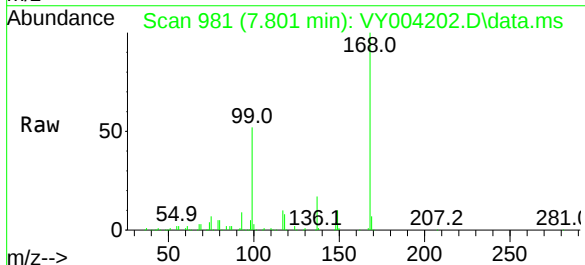
Tgt Ion: 75 Resp: 13514

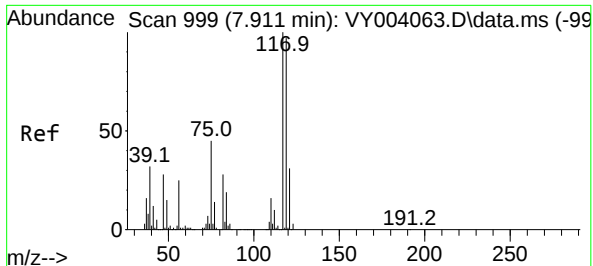
Ion Ratio Lower Upper

75 100

110 9.6 17.4 52.3#

77 0.0 24.5 36.7#

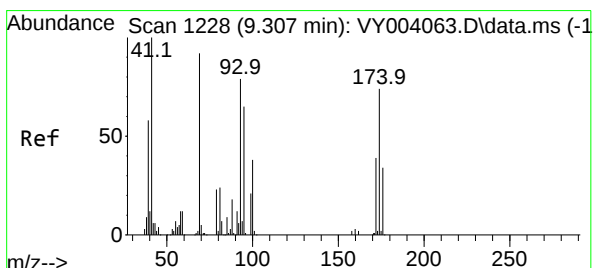
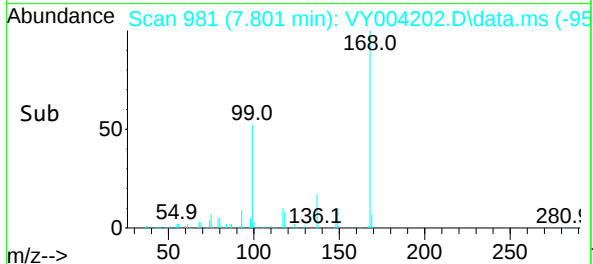
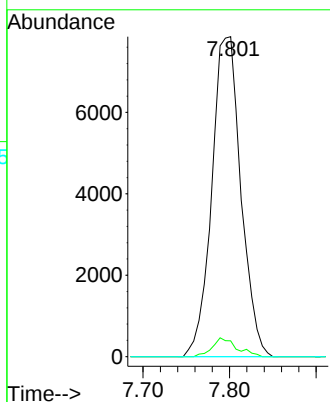
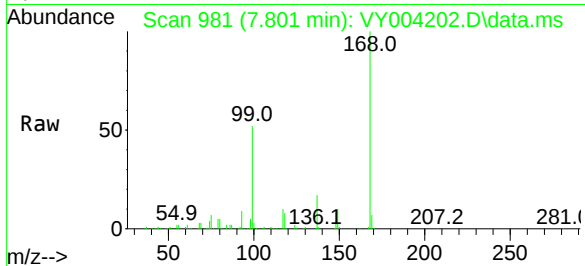




#38
Carbon Tetrachloride
Concen: 6.49 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

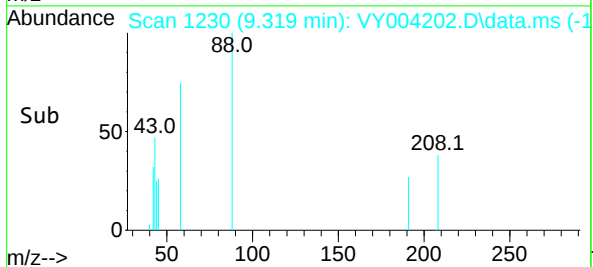
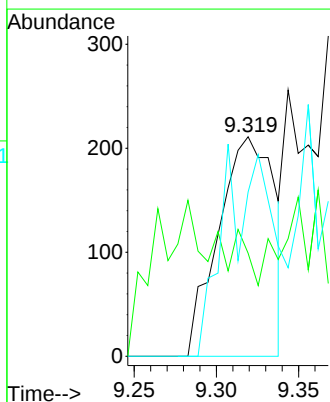
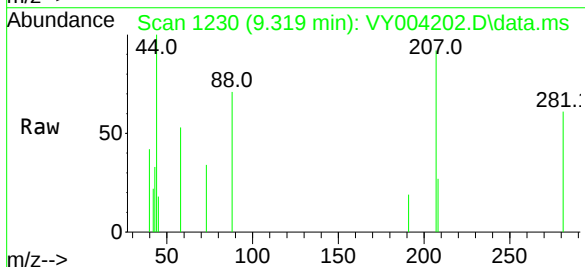
Instrument :
MSVOA_Y
ClientSampled :

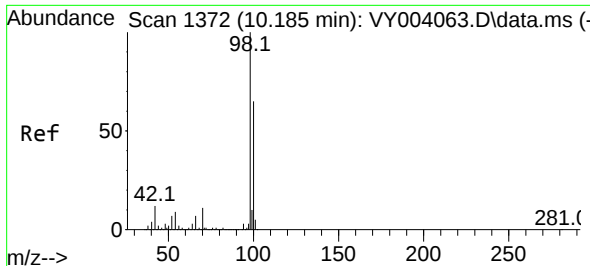
Tgt Ion:117 Resp: 18362
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 36.31 ug/l
RT: 9.319 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

Tgt Ion: 88 Resp: 496
Ion Ratio Lower Upper
88 100
43 0.0 32.0 48.0#
58 42.3 56.5 84.7#

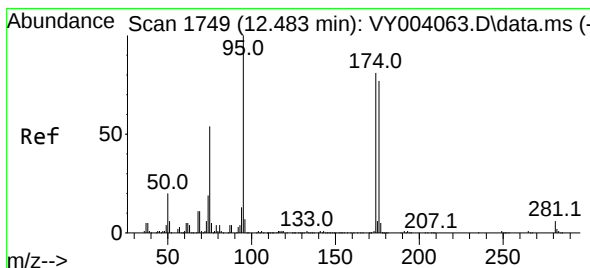
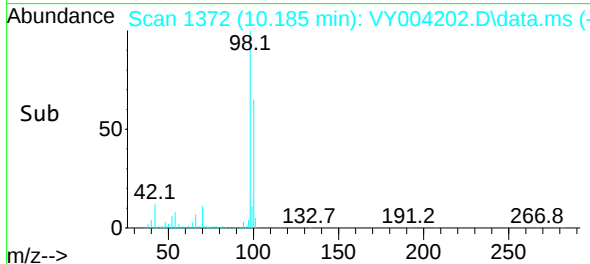
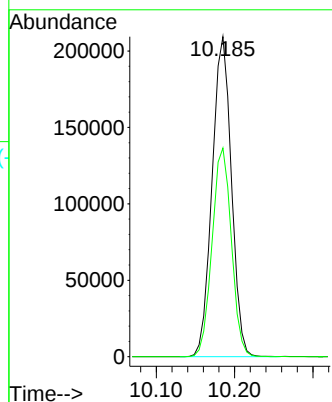
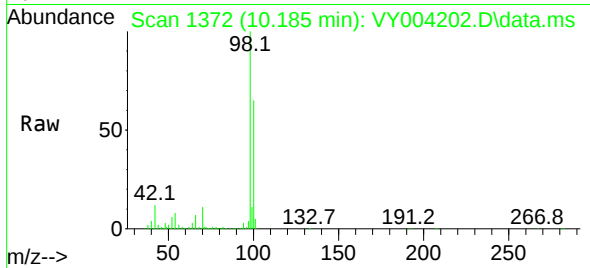




#50
Toluene-d8
Concen: 53.34 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

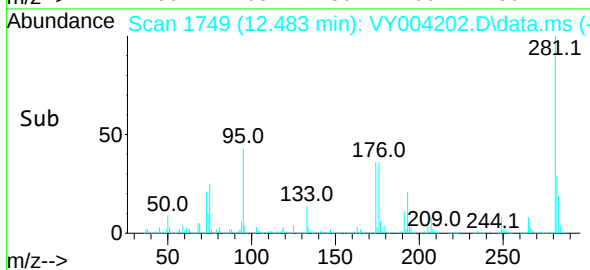
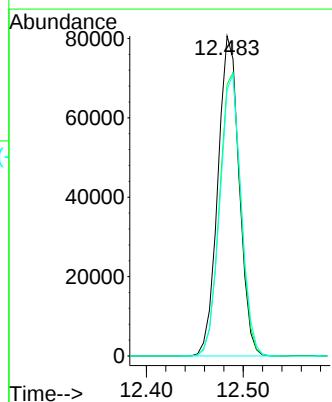
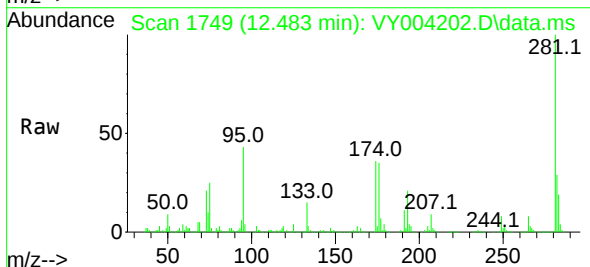
Instrument :
MSVOA_Y
ClientSampled :

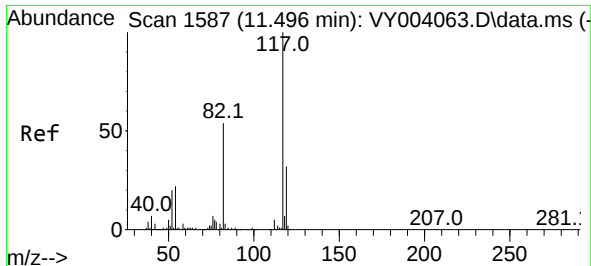
Tgt Ion: 98 Resp: 358183
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 49.56 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

Tgt Ion: 95 Resp: 122927
Ion Ratio Lower Upper
95 100
174 87.9 0.0 179.0
176 88.3 0.0 174.4

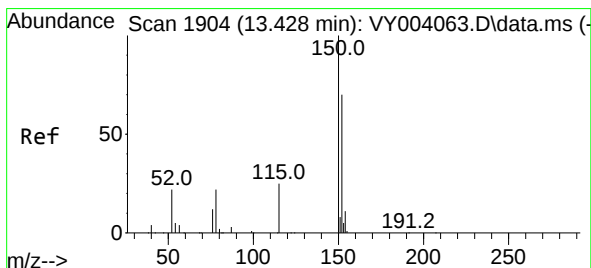
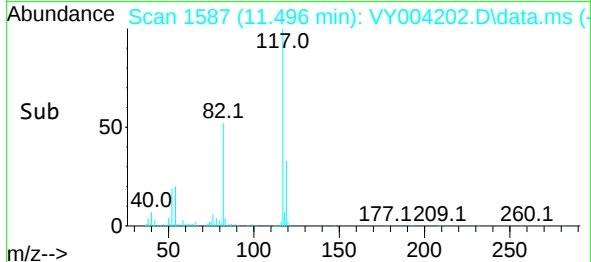
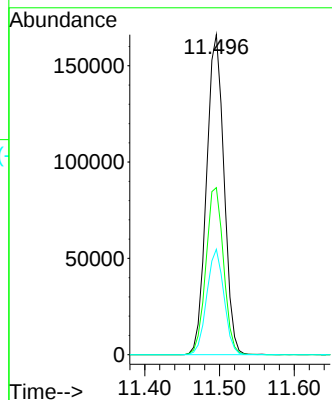
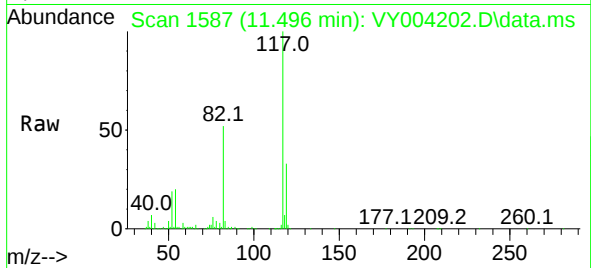




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

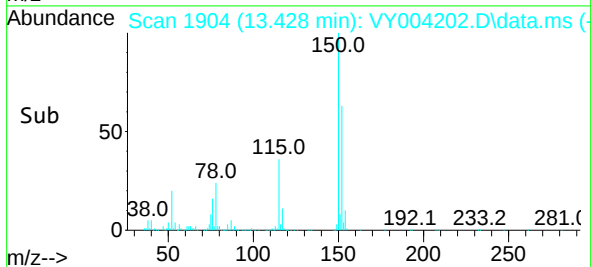
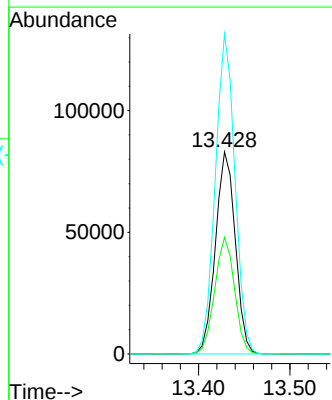
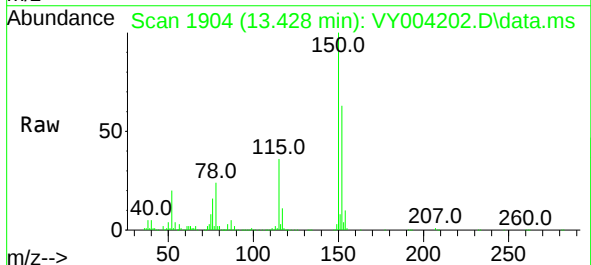
Instrument :
MSVOA_Y
ClientSampleId :

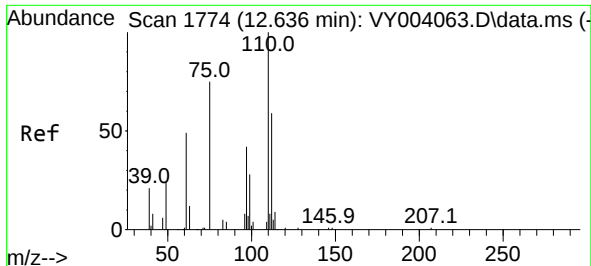
Tgt Ion:117 Resp: 269576
Ion Ratio Lower Upper
117 100
82 52.2 43.8 65.6
119 33.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

Tgt Ion:152 Resp: 125452
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.6
150 156.7 0.0 347.2

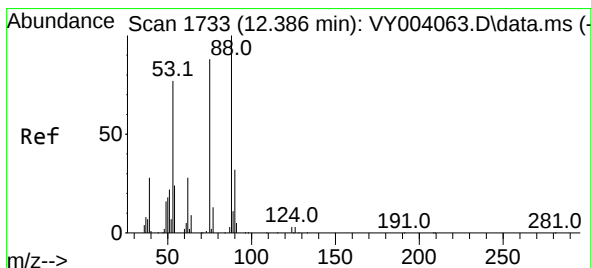
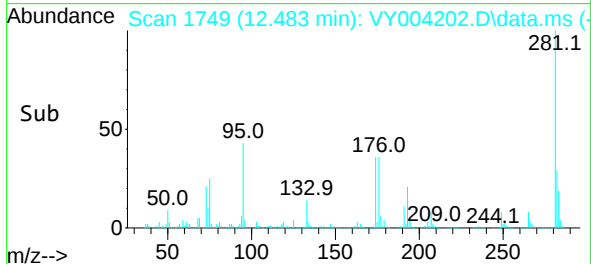
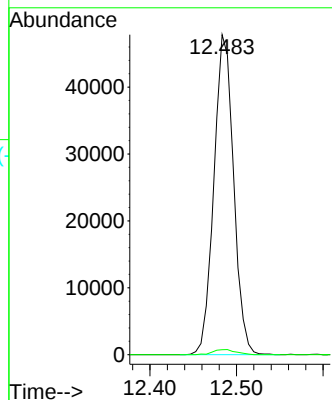
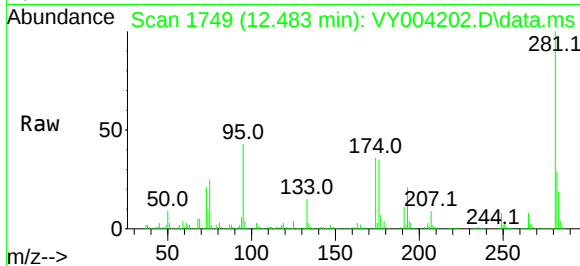




#76
1,2,3-Trichloropropane
Concen: 62.84 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 75 Resp: 75594
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.03 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004202.D
Acq: 25 Mar 2021 15:35

Tgt Ion: 75 Resp: 75594
Ion Ratio Lower Upper
75 100
53 0.2 73.5 110.3#
89 4.9 35.7 53.5#

