

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011421\
 Data File : VY003922.D
 Acq On : 14 Jan 2021 16:28
 Operator : SY/MD
 Sample : M1125-05
 Misc : 3.49G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 15 00:58:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 12 11:47:10 2021
 Response via : Initial Calibration

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

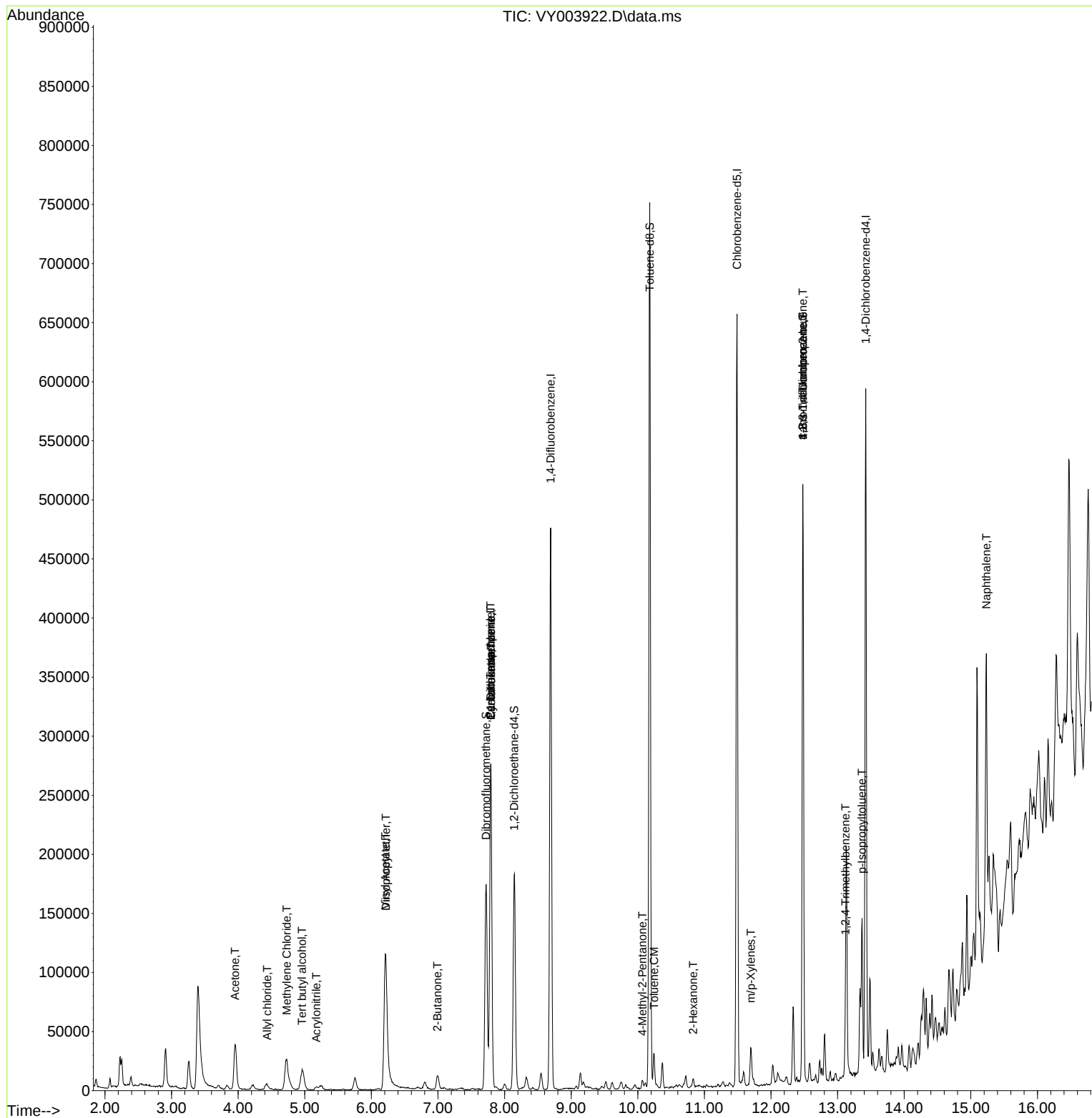
Internal Standards						
1) Pentafluorobenzene	7.795	168	215895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	378950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	330828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139072	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	139229	41.52	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.04%		
35) Dibromofluoromethane	7.722	113	120873	39.03	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	78.06%		
50) Toluene-d8	10.179	98	463993	36.97	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	73.94%		
62) 4-Bromofluorobenzene	12.477	95	147836	32.25	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	64.50%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	65	Below Cal	#	43
3) Chloromethane	2.113	50	1013	Below Cal		92
11) Tert butyl alcohol	4.960	59	34210	98.11	ug/l	97
14) Allyl chloride	4.436	41	9478	1.71	ug/l #	41
15) Acrylonitrile	5.173	53	3344	3.69	ug/l	97
16) Acetone	3.954	43	68833	83.00	ug/l	99
20) Methylene Chloride	4.728	84	17493	5.63	ug/l	95
22) Diisopropyl ether	6.216	45	11502	1.07	ug/l #	1
23) Vinyl Acetate	6.210	43	25554	3.42	ug/l #	73
25) 2-Butanone	6.990	43	19878	15.38	ug/l	93
31) Cyclohexane	7.795	56	6412	1.14	ug/l #	36
36) 1,1-Dichloropropene	7.789	75	15594	3.01	ug/l #	49
38) Carbon Tetrachloride	7.789	117	19900	3.62	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	5482	1.56	ug/l	93
52) Toluene	10.246	92	10612	1.18	ug/l	92
59) 2-Hexanone	10.831	43	5595	2.28	ug/l	84
68) m/p-Xylenes	11.697	106	8214	1.35	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	80344	42.72	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	80344	81.11	ug/l #	3
84) 1,2,4-Trimethylbenzene	13.117	105	19999	1.87	ug/l	93
86) p-Isopropyltoluene	13.367	119	67929	5.74	ug/l	93
95) Naphthalene	15.233	128	193065	27.03	ug/l	99

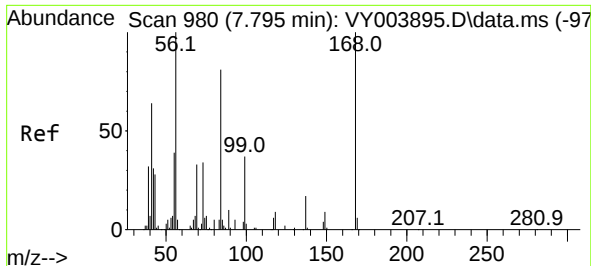
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011421\
Data File : VY003922.D
Acq On : 14 Jan 2021 16:28
Operator : SY/MD
Sample : M1125-05
Misc : 3.49G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Jan 15 00:58:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 12 11:47:10 2021
Response via : Initial Calibration

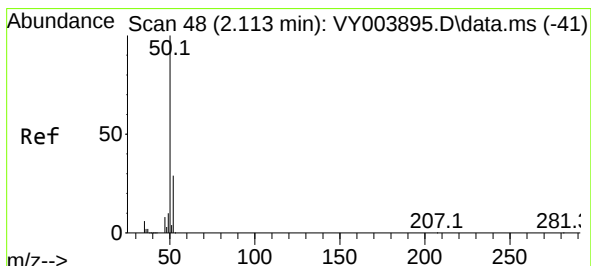
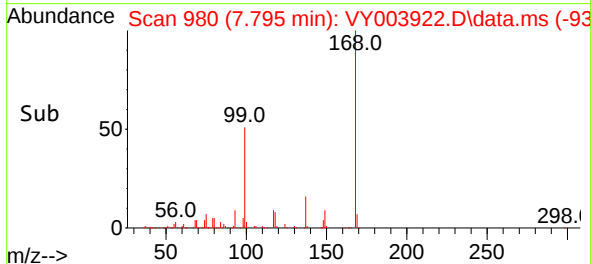
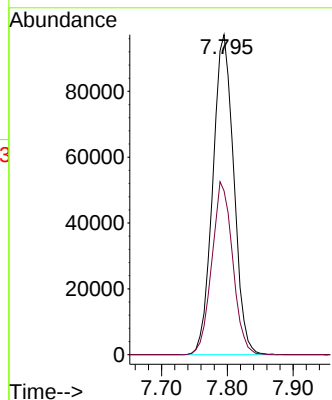
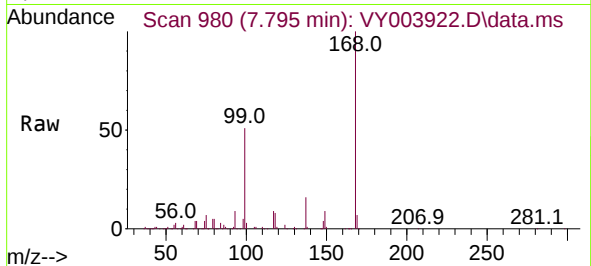




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

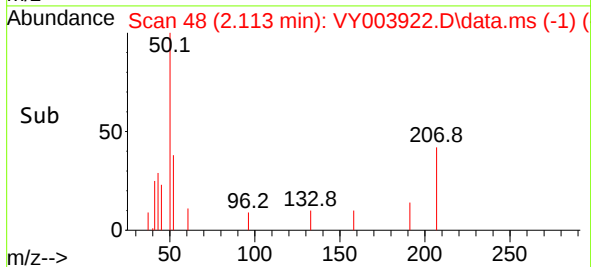
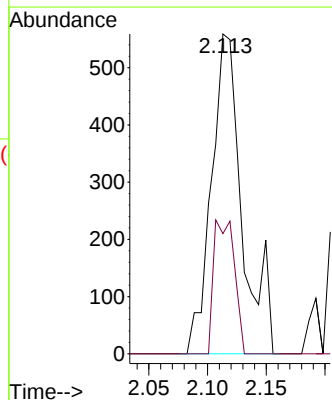
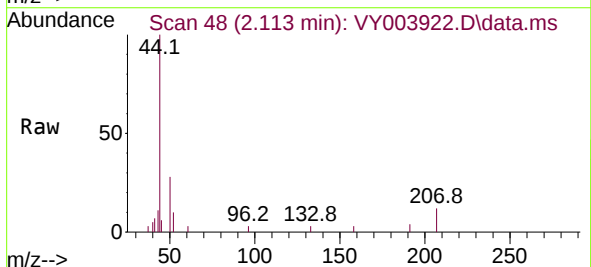
Instrument :
MSVOA_Y
ClientSampleId :

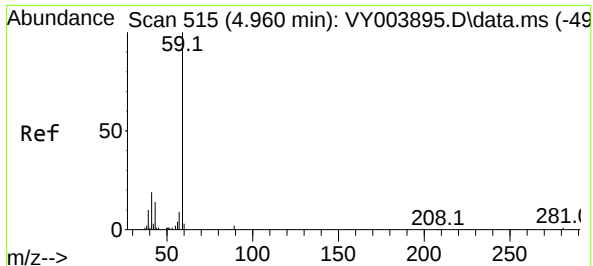
Tgt Ion:168 Resp: 215895
Ion Ratio Lower Upper
168 100
99 51.2 40.4 60.6



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Tgt Ion: 50 Resp: 1013
Ion Ratio Lower Upper
50 100
52 37.6 26.6 40.0



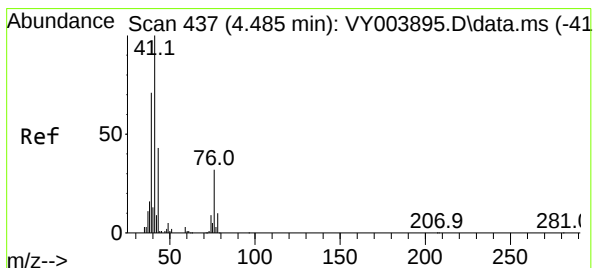
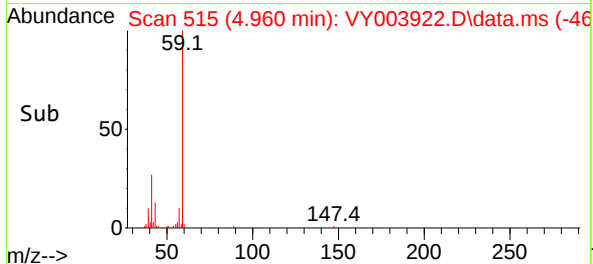
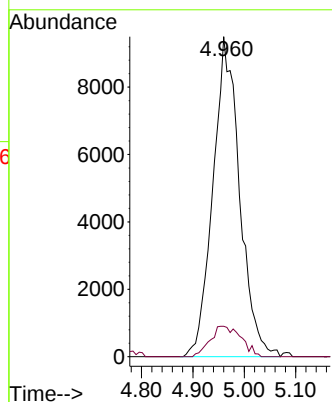
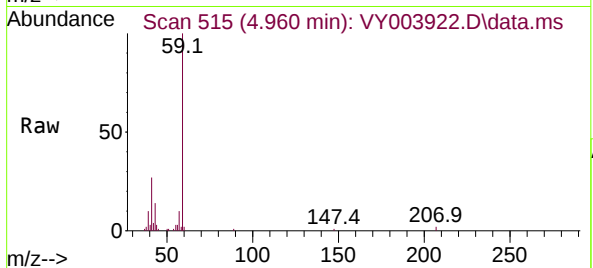


#11

Tert butyl alcohol
Concen: 98.11 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Instrument :
MSVOA_Y
ClientSampled :

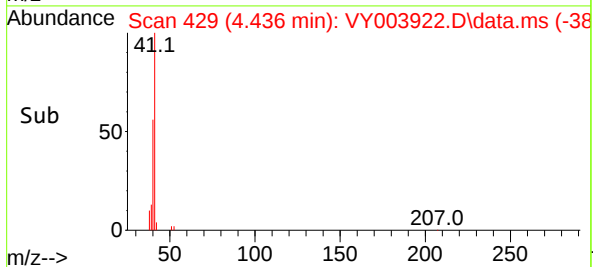
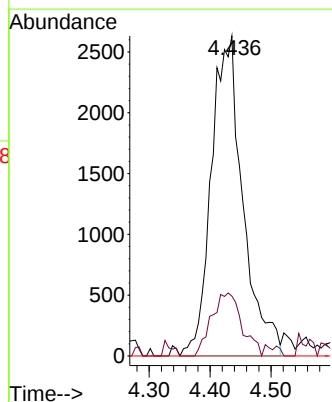
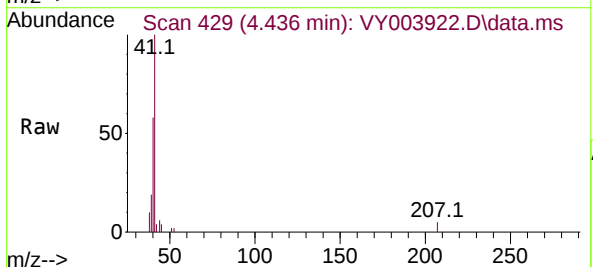
Tgt Ion: 59 Resp: 34210
Ion Ratio Lower Upper
59 100
57 11.1 7.9 11.9

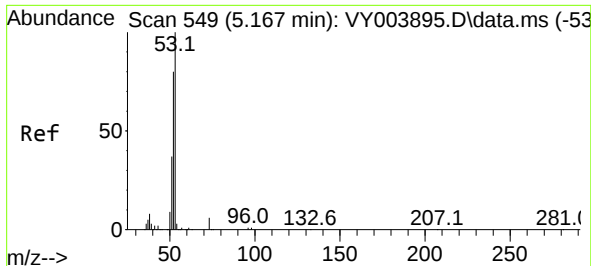


#14

Allyl chloride
Concen: 1.71 ug/l
RT: 4.436 min Scan# 429
Delta R.T. -0.049 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Tgt Ion: 41 Resp: 9478
Ion Ratio Lower Upper
41 100
39 18.9 52.9 79.3#
76 0.0 26.8 40.2#





#15

Acrylonitrile

Concen: 3.69 ug/l

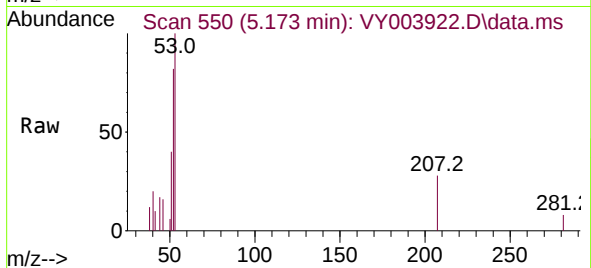
RT: 5.173 min Scan# 550

Delta R.T. 0.006 min

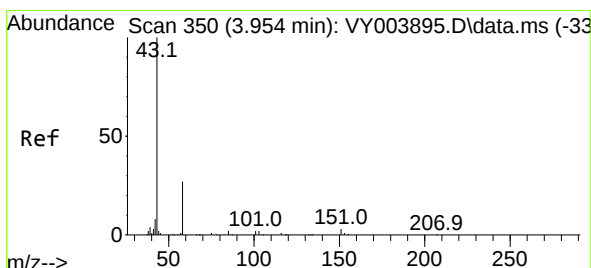
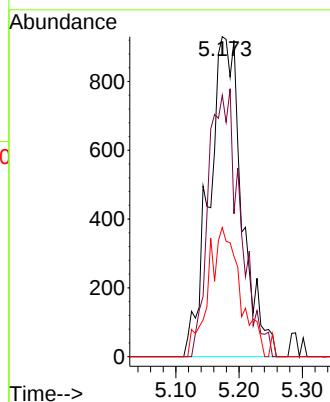
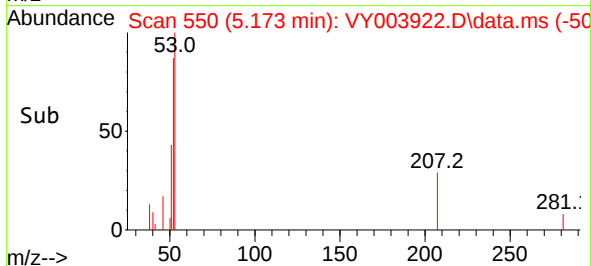
Lab File: VY003922.D

Acq: 14 Jan 2021 16:28

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion: 53	Resp: 3344
Ion Ratio	Lower Upper
53	100
52	80.4 65.4 98.2
51	39.3 29.0 43.6



#16

Acetone

Concen: 83.00 ug/l

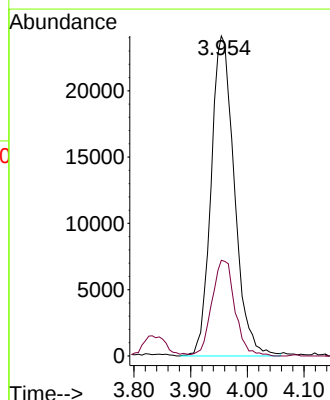
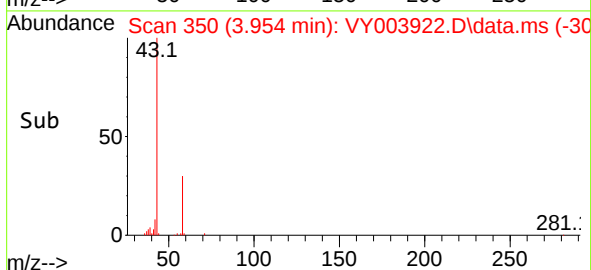
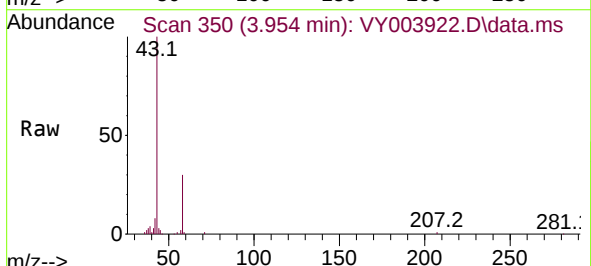
RT: 3.954 min Scan# 350

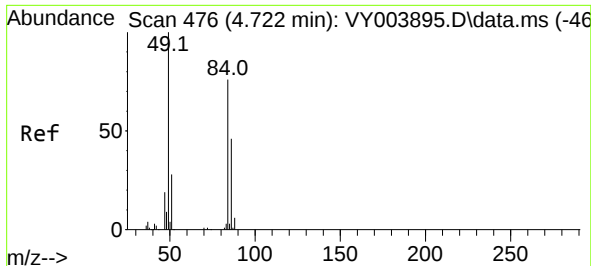
Delta R.T. -0.000 min

Lab File: VY003922.D

Acq: 14 Jan 2021 16:28

Tgt Ion: 43	Resp: 68833
Ion Ratio	Lower Upper
43	100
58	29.9 24.5 36.7





#20

Methylene Chloride

Concen: 5.63 ug/l

RT: 4.728 min Scan# 477

Delta R.T. 0.006 min

Lab File: VY003922.D

Acq: 14 Jan 2021 16:28

Tgt Ion: 84 Resp: 17493

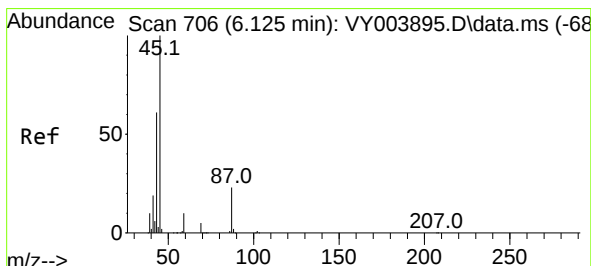
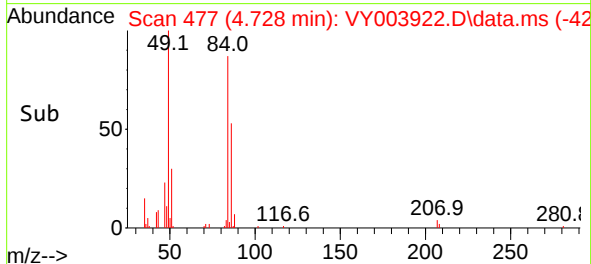
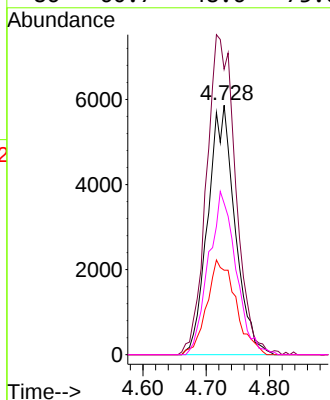
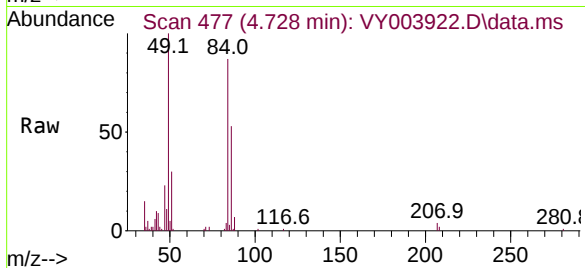
Ion Ratio Lower Upper

84 100

49 114.4 98.0 147.0

51 33.9 30.5 45.7

86 60.7 48.6 73.0



#22

Diisopropyl ether

Concen: 1.07 ug/l

RT: 6.216 min Scan# 721

Delta R.T. 0.091 min

Lab File: VY003922.D

Acq: 14 Jan 2021 16:28

Tgt Ion: 45 Resp: 11502

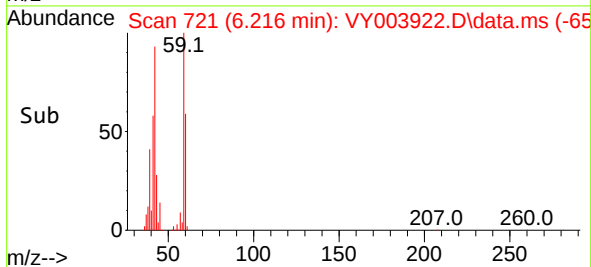
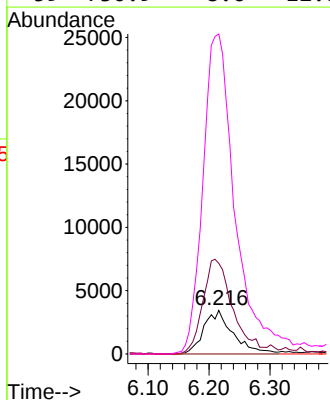
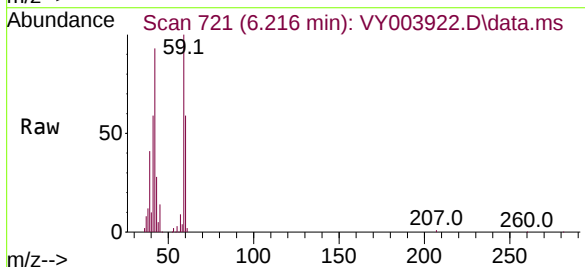
Ion Ratio Lower Upper

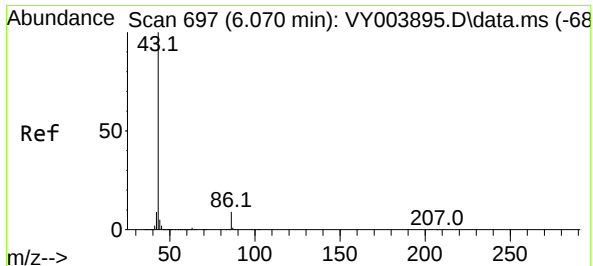
45 100

43 208.0 46.2 69.4#

87 0.0 21.7 32.5#

59 730.9 8.6 12.8#





#23

Vinyl Acetate

Concen: 3.42 ug/l

RT: 6.210 min Scan# 720

Delta R.T. 0.140 min

Lab File: VY003922.D

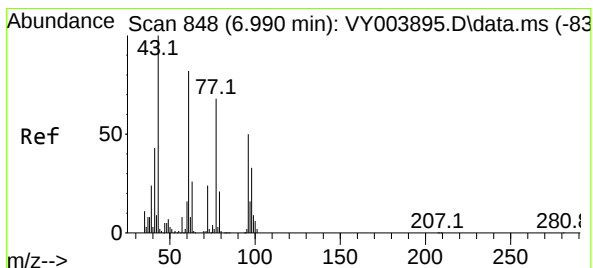
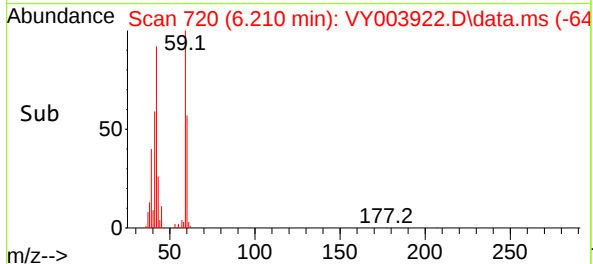
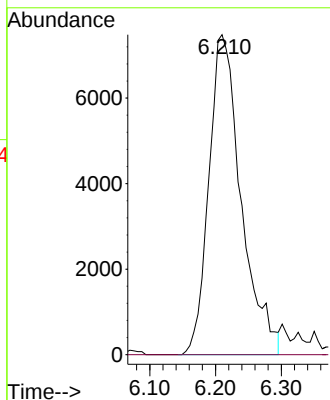
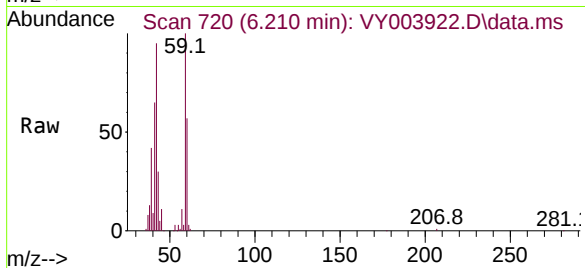
Acq: 14 Jan 2021 16:28

Tgt Ion: 43 Resp: 25554

Ion Ratio Lower Upper

43 100

86 0.0 8.1 12.1#



#25

2-Butanone

Concen: 15.38 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY003922.D

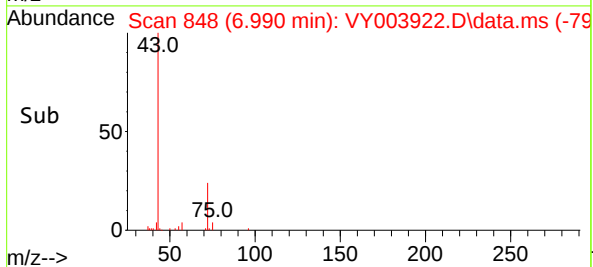
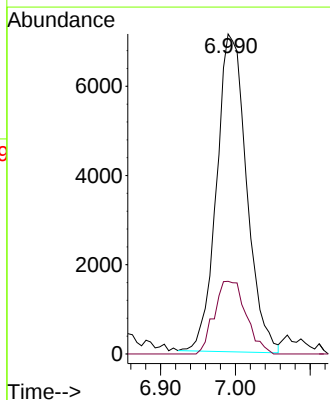
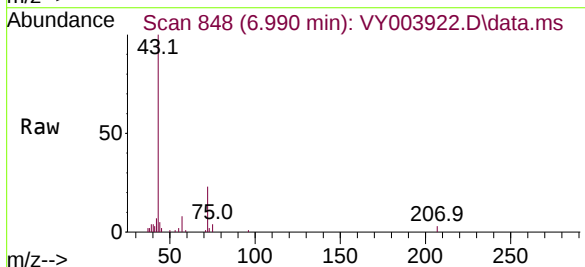
Acq: 14 Jan 2021 16:28

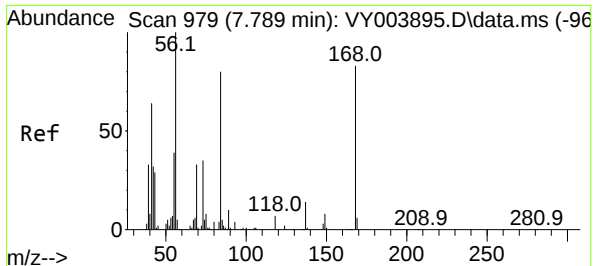
Tgt Ion: 43 Resp: 19878

Ion Ratio Lower Upper

43 100

72 22.9 21.0 31.6

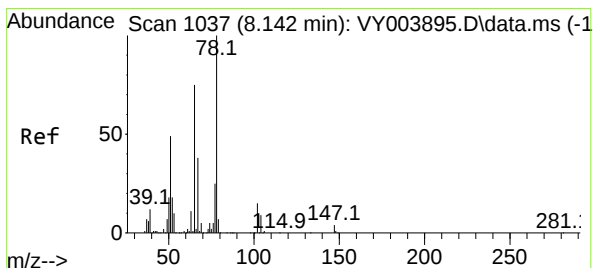
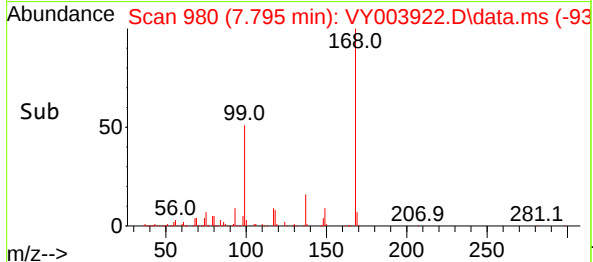
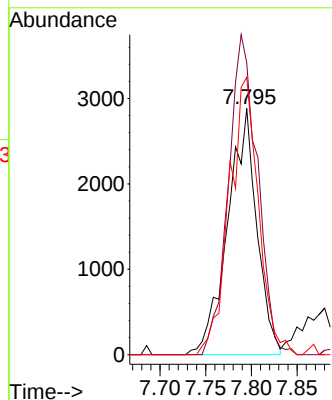
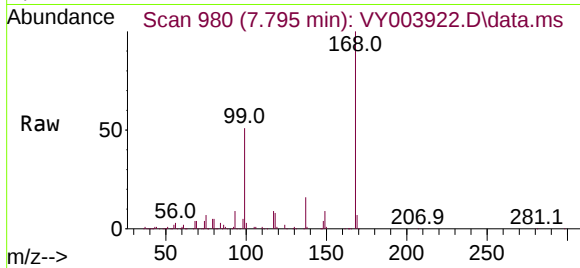




#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

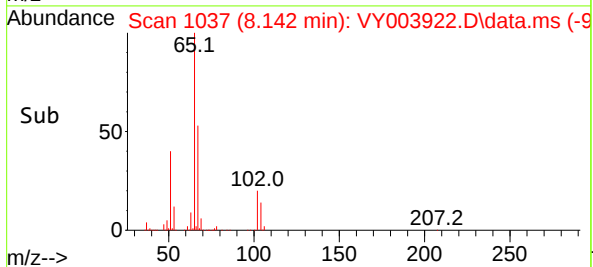
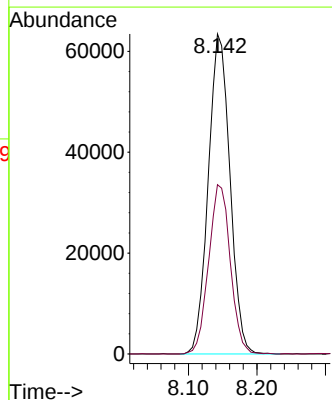
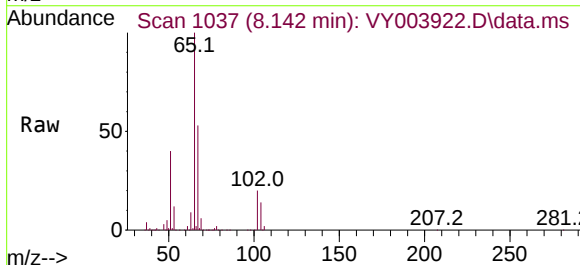
Instrument :
MSVOA_Y
ClientSampleId :

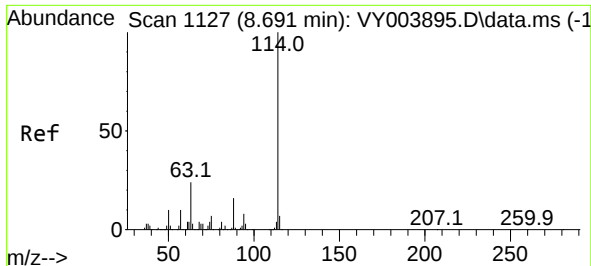
Tgt Ion: 56 Resp: 6412
Ion Ratio Lower Upper
56 100
69 118.5 26.2 39.2#
84 112.7 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 41.52 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Tgt Ion: 65 Resp: 139229
Ion Ratio Lower Upper
65 100
67 53.0 0.0 102.2

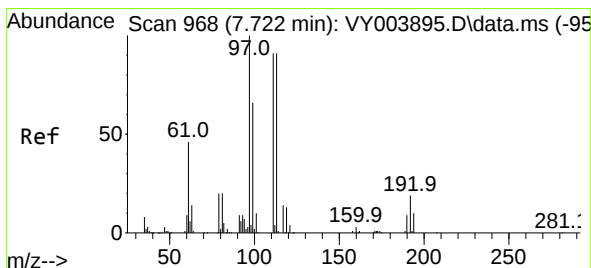
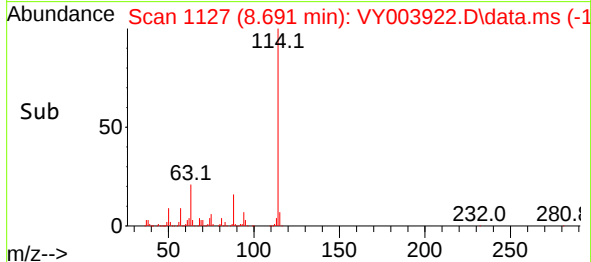
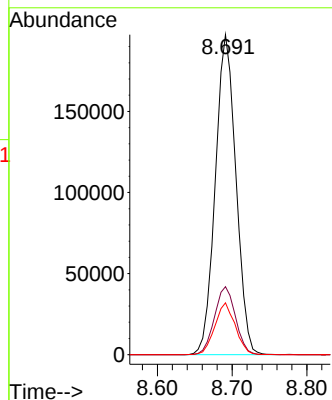
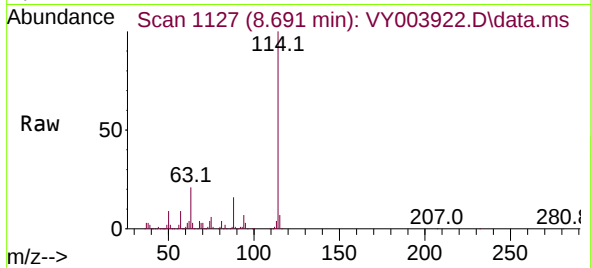




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

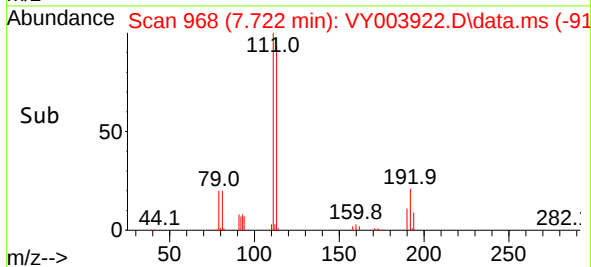
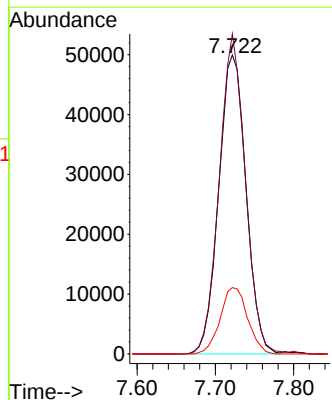
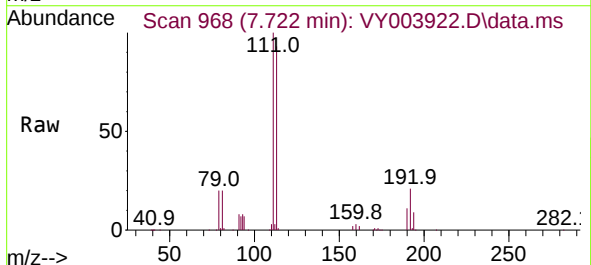
Instrument :
MSVOA_Y
ClientSampleId :

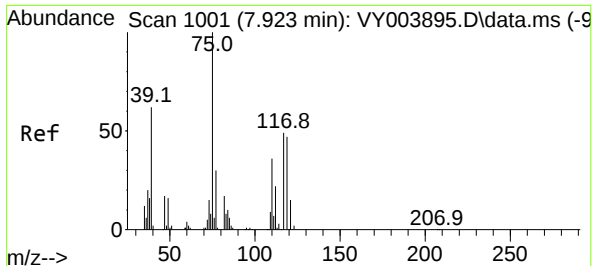
Tgt Ion:114 Resp: 378950
Ion Ratio Lower Upper
114 100
63 21.2 0.0 38.8
88 16.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 39.03 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Tgt Ion:113 Resp: 120873
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.6
192 22.4 19.8 29.6

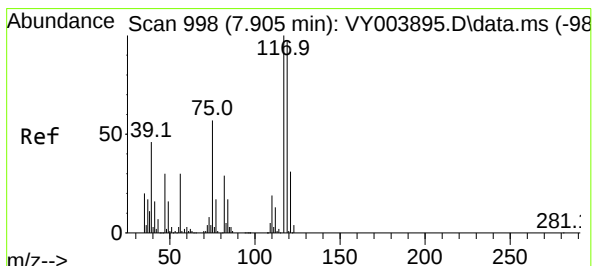
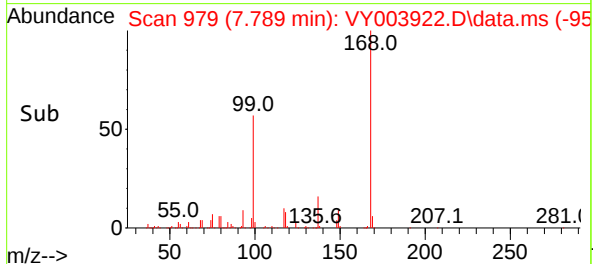
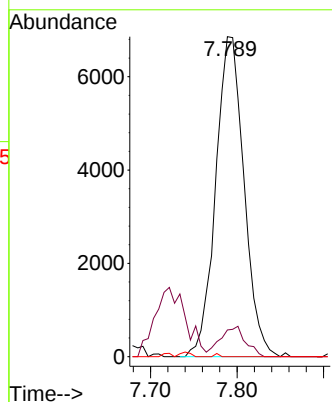
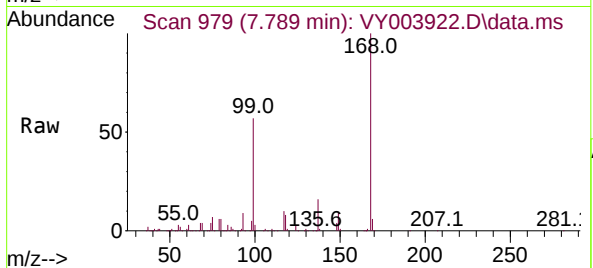




#36
1,1-Dichloropropene
Concen: 3.01 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

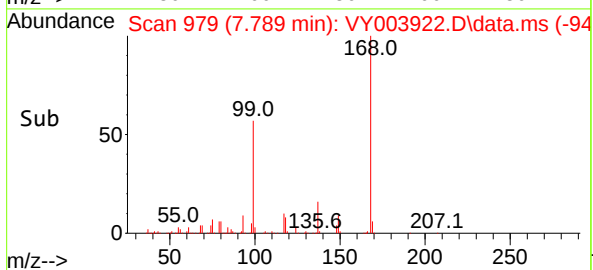
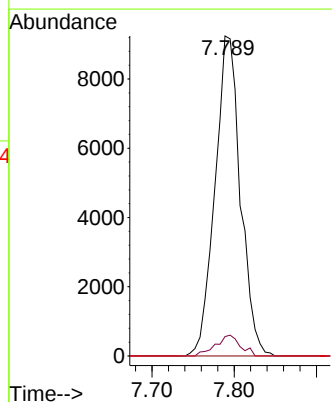
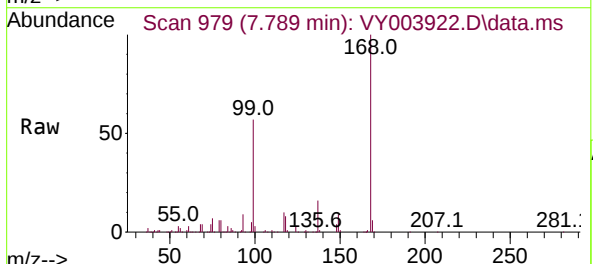
Instrument :
MSVOA_Y
ClientSampleId :

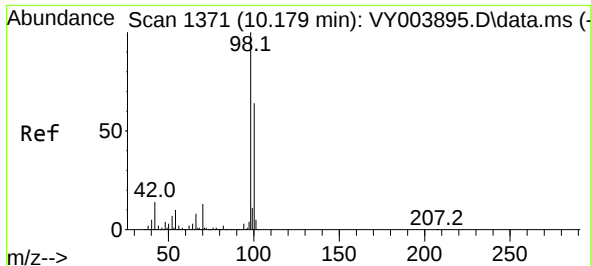
Tgt Ion: 75 Resp: 15594
Ion Ratio Lower Upper
75 100
110 8.4 17.7 53.1#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 3.62 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Tgt Ion: 117 Resp: 19900
Ion Ratio Lower Upper
117 100
119 6.1 78.6 118.0#
121 0.0 25.8 38.6#

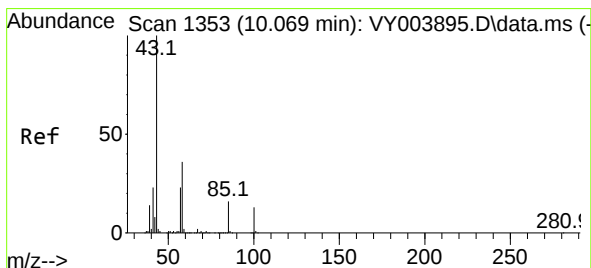
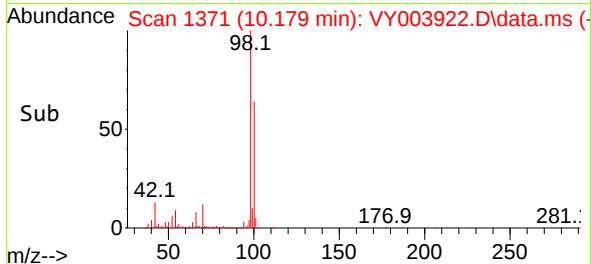
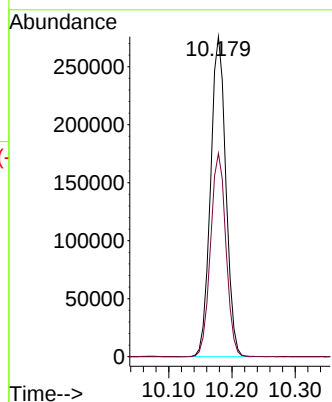
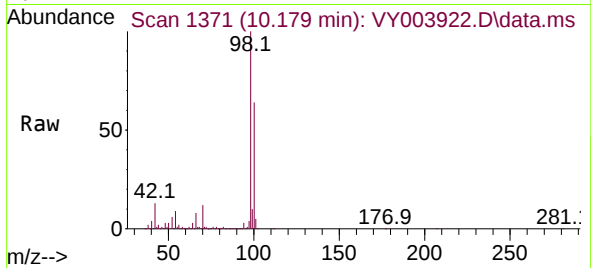




#50
Toluene-d8
Concen: 36.97 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

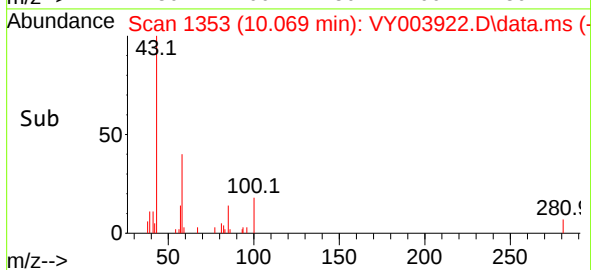
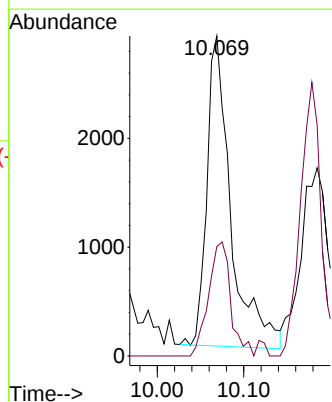
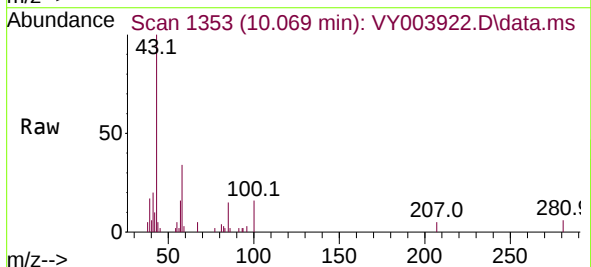
Instrument :
MSVOA_Y
ClientSampled :

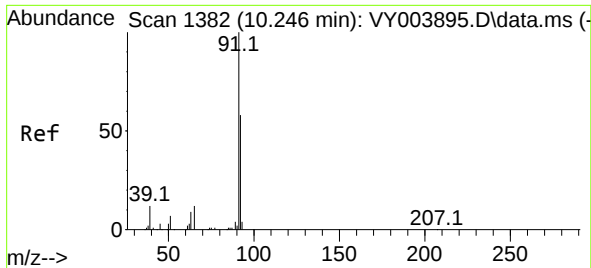
Tgt Ion: 98 Resp: 463993
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.56 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Tgt Ion: 43 Resp: 5482
Ion Ratio Lower Upper
43 100
58 33.9 30.3 45.5

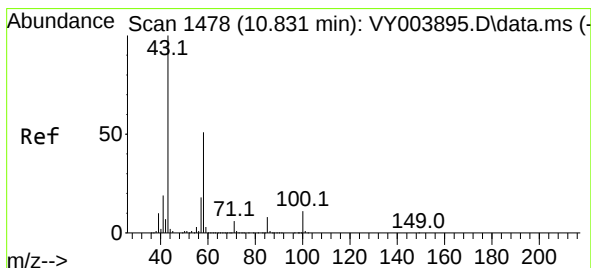
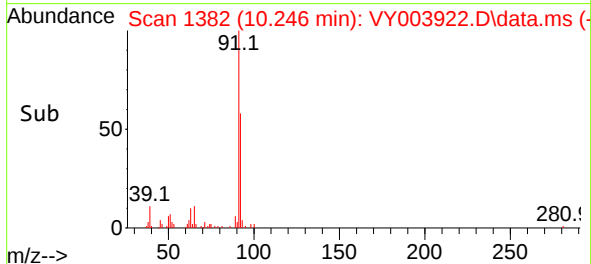
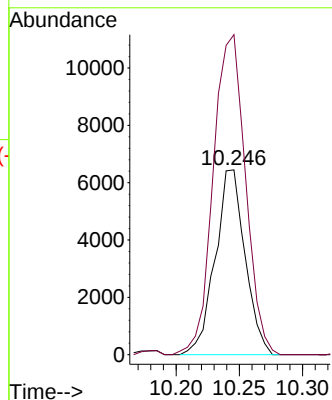
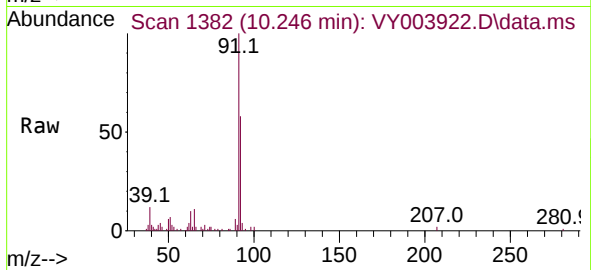




#52
Toluene
Concen: 1.18 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

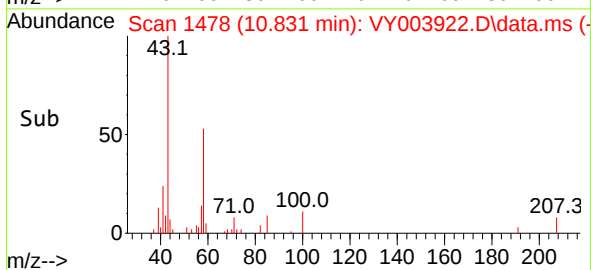
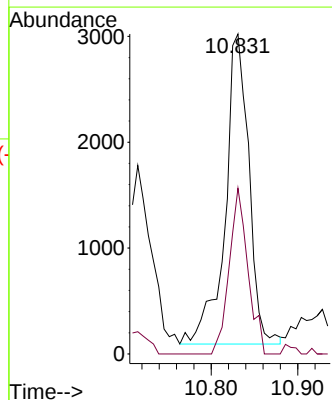
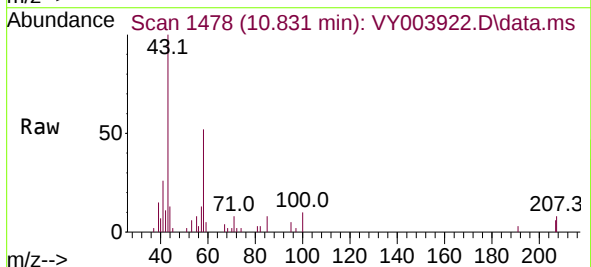
Instrument :
MSVOA_Y
ClientSampled :

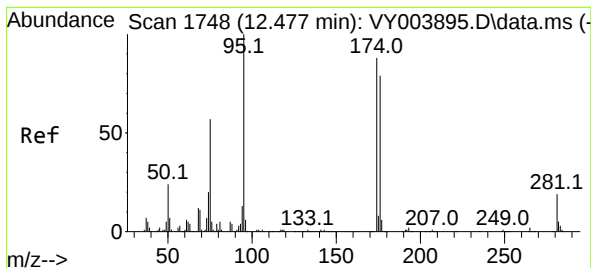
Tgt Ion: 92 Resp: 10612
Ion Ratio Lower Upper
92 100
91 186.4 140.7 211.1



#59
2-Hexanone
Concen: 2.28 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Tgt Ion: 43 Resp: 5595
Ion Ratio Lower Upper
43 100
58 41.9 26.5 79.4

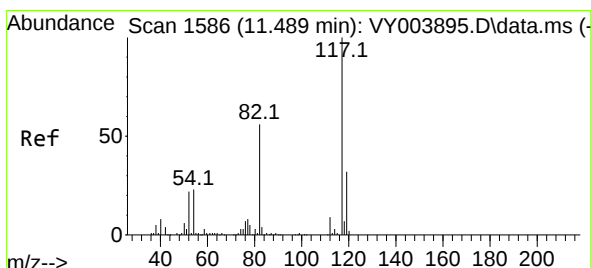
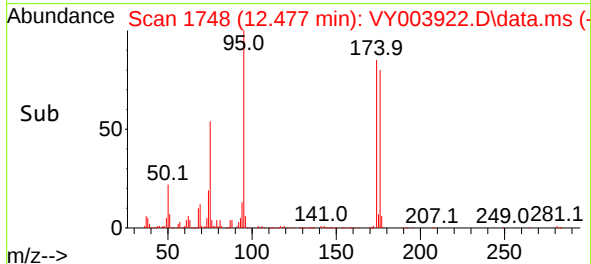
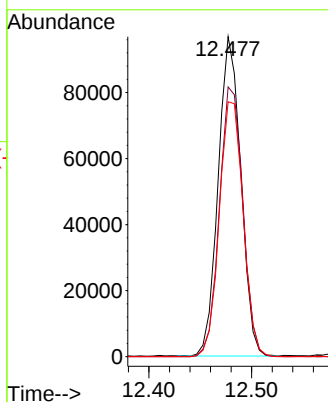
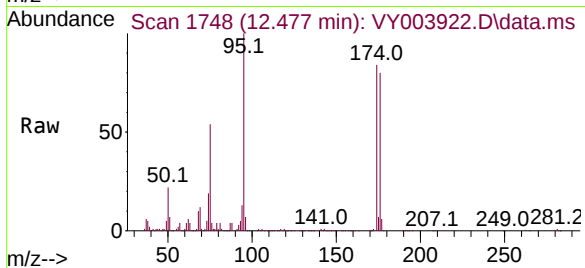




#62
4-Bromofluorobenzene
Concen: 32.25 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

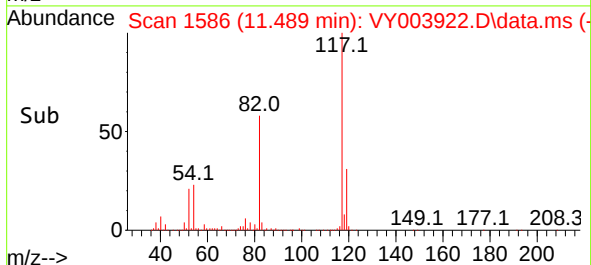
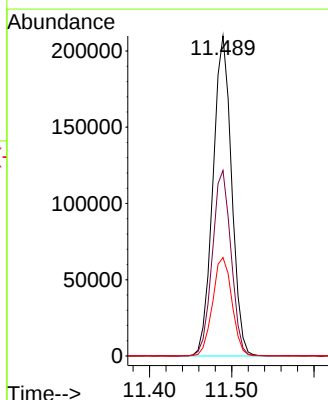
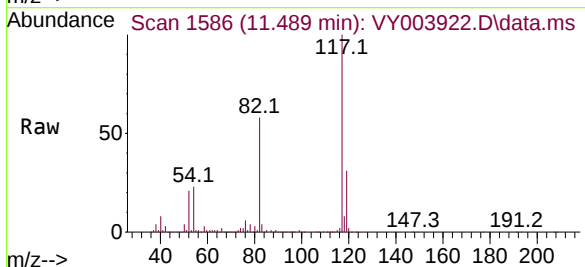
Instrument :
MSVOA_Y
ClientSampleId :

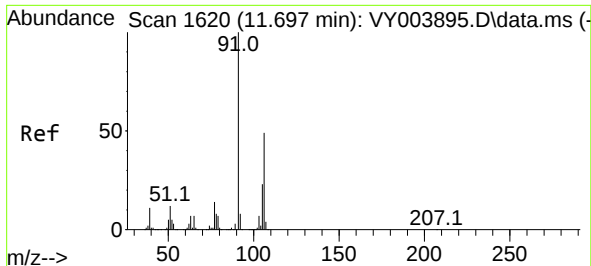
Tgt Ion: 95 Resp: 147836
Ion Ratio Lower Upper
95 100
174 87.5 0.0 193.2
176 84.0 0.0 187.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Tgt Ion: 117 Resp: 330828
Ion Ratio Lower Upper
117 100
82 58.0 43.9 65.9
119 30.7 26.2 39.4

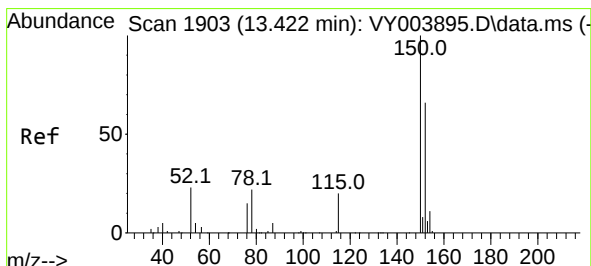
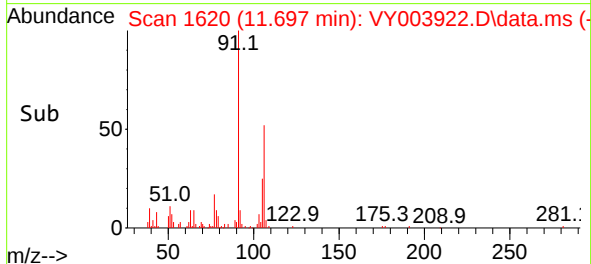
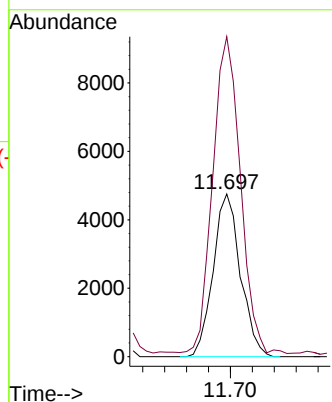
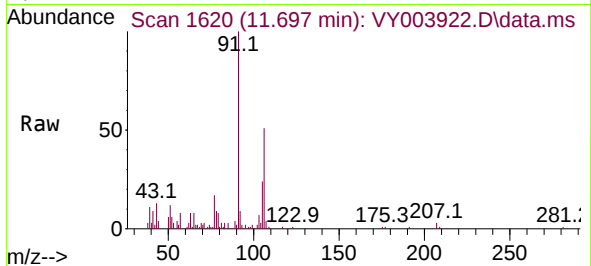




#68
m/p-Xylenes
Concen: 1.35 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

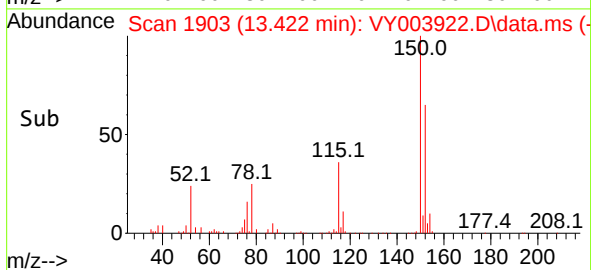
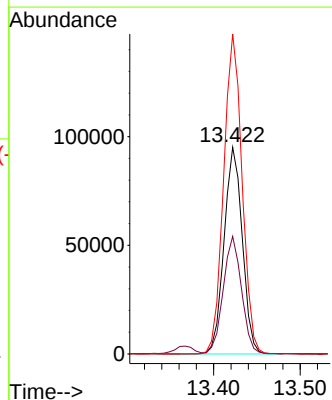
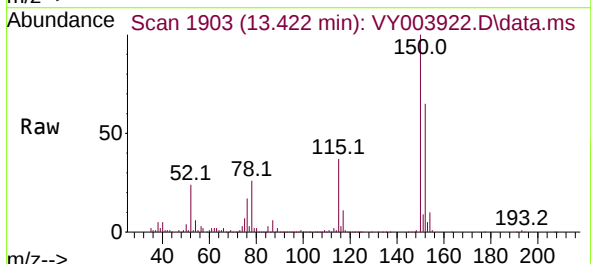
Instrument :
MSVOA_Y
ClientSampleId :

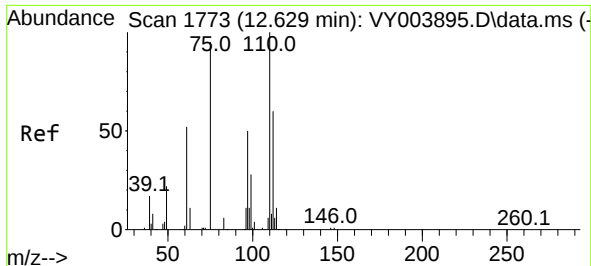
Tgt Ion:106 Resp: 8214
Ion Ratio Lower Upper
106 100
91 198.0 162.2 243.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Tgt Ion:152 Resp: 139072
Ion Ratio Lower Upper
152 100
115 56.8 27.9 83.7
150 156.5 0.0 356.4

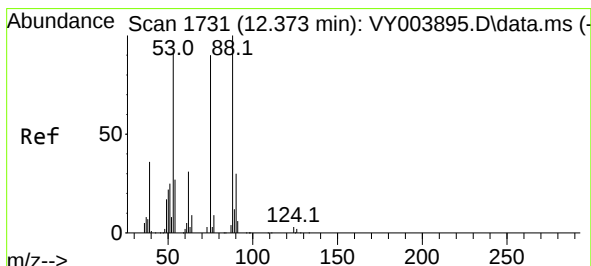
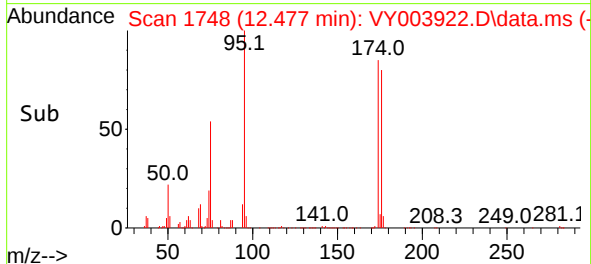
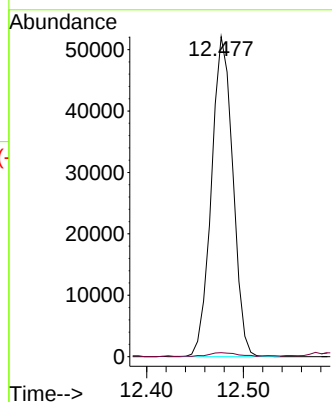
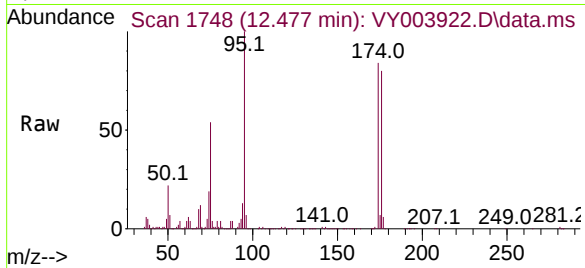




#76
1,2,3-Trichloropropane
Concen: 42.72 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

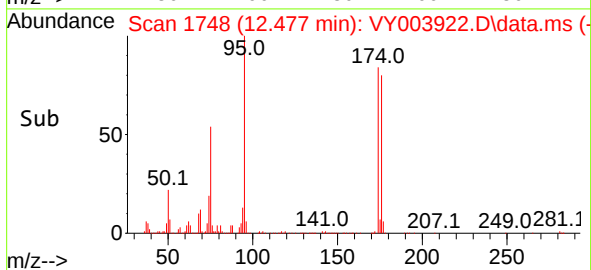
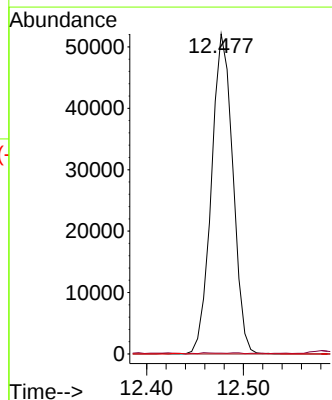
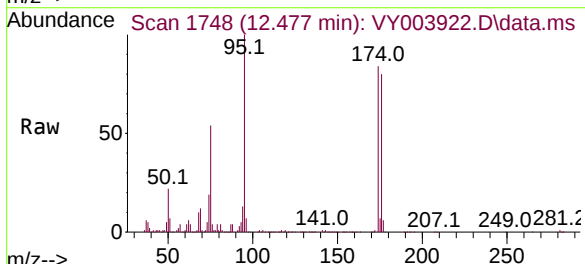
Instrument :
MSVOA_Y
ClientSampled :

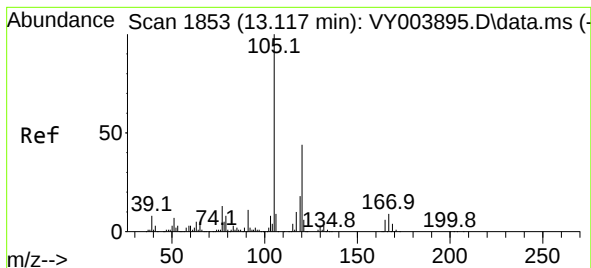
Tgt Ion: 75 Resp: 80344
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.11 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Tgt Ion: 75 Resp: 80344
Ion Ratio Lower Upper
75 100
53 0.2 75.0 112.6#
89 0.0 0.0 0.0

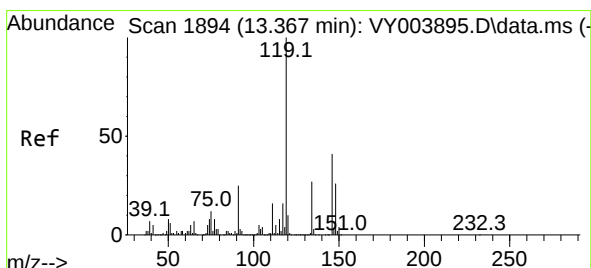
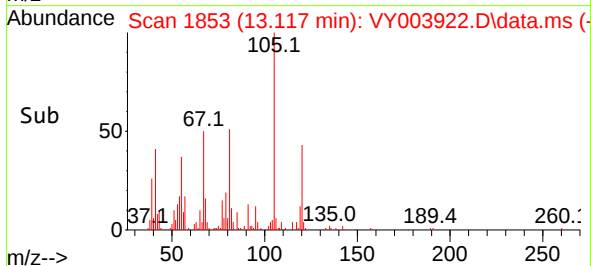
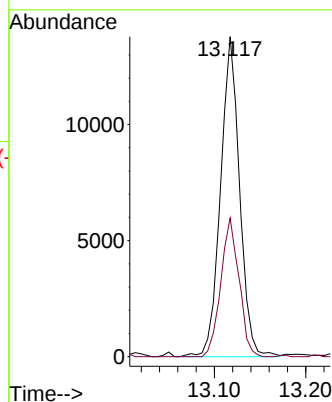
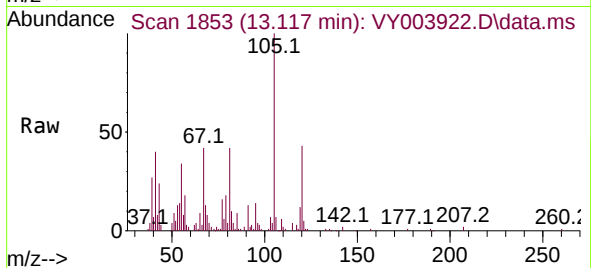




#84
1,2,4-Trimethylbenzene
Concen: 1.87 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

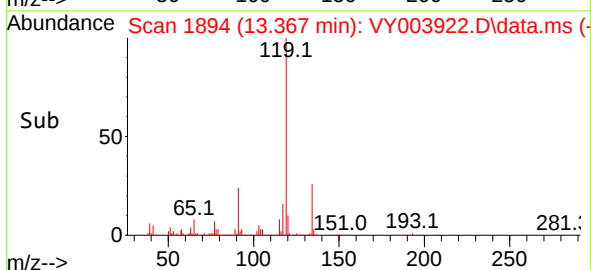
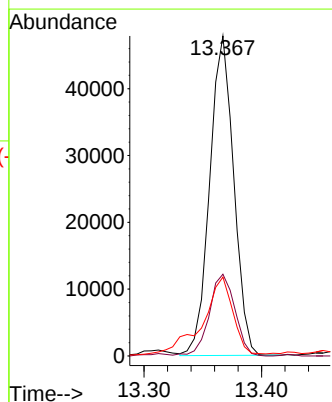
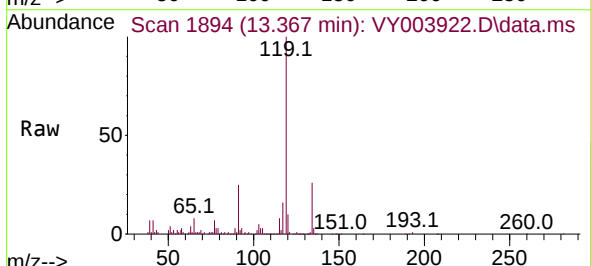
Instrument :
MSVOA_Y
ClientSampleId :

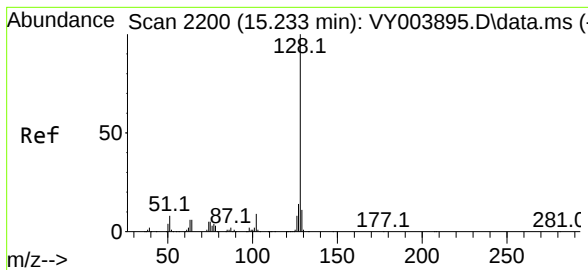
Tgt Ion:105 Resp: 19999
Ion Ratio Lower Upper
105 100
120 41.3 22.9 68.5



#86
p-Isopropyltoluene
Concen: 5.74 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Tgt Ion:119 Resp: 67929
Ion Ratio Lower Upper
119 100
134 27.3 13.5 40.5
91 31.2 12.3 36.8





#95
Naphthalene
Concen: 27.03 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY003922.D
Acq: 14 Jan 2021 16:28

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 193065
Ion Ratio Lower Upper
128 100
127 14.0 10.6 15.8
129 11.2 8.7 13.1

