

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
 Data File : VY004102.D
 Acq On : 17 Mar 2021 14:47
 Operator : SY/MD
 Sample : M1681-38
 Misc : 4.58g/5mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 01:49:03 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)

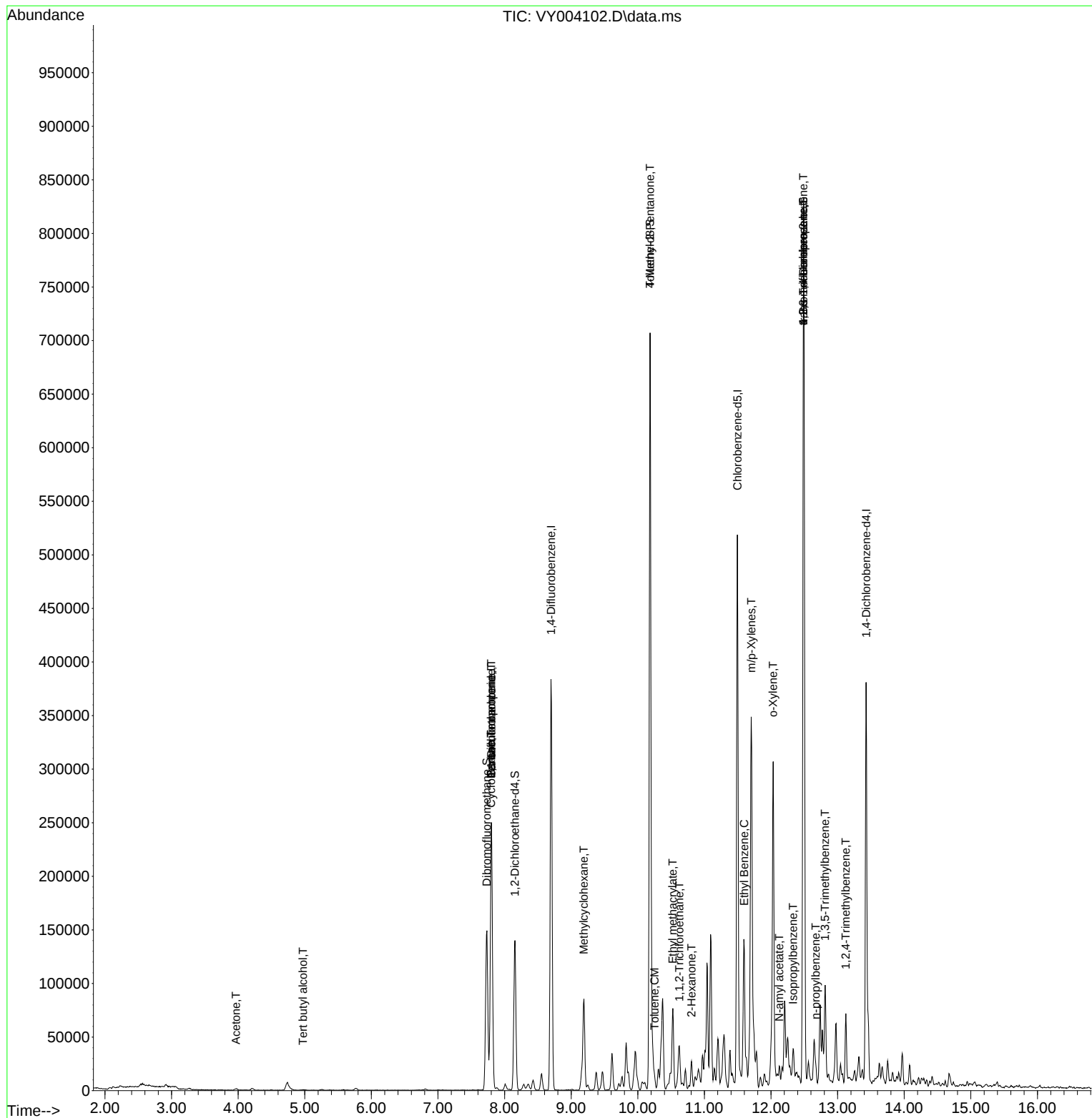
Internal Standards						
1) Pentafluorobenzene	7.801	168	192460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	328113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	275769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95244	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	108547	57.15	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.30%			
35) Dibromofluoromethane	7.734	113	103331	55.85	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.70%			
50) Toluene-d8	10.185	98	390764	53.87	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.74%			
62) 4-Bromofluorobenzene	12.483	95	109070	40.71	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 81.42%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	20	Below Cal	#	41
3) Chloromethane	2.119	50	946	Below Cal		95
11) Tert butyl alcohol	4.972	59	741	4.32	ug/l #	76
16) Acetone	3.967	43	2595	5.66	ug/l	94
20) Methylene Chloride	4.729	84	5085	Below Cal		83
31) Cyclohexane	7.795	56	5753	1.73	ug/l #	37
36) 1,1-Dichloropropene	7.801	75	13889	4.82	ug/l #	51
38) Carbon Tetrachloride	7.801	117	19024	6.22	ug/l #	17
39) Methylcyclohexane	9.191	83	37487	10.07	ug/l	93
51) 4-Methyl-2-Pentanone	10.185	43	5834	3.70	ug/l #	71
52) Toluene	10.252	92	5299	1.01	ug/l	95
55) 1,1,2-Trichloroethane	10.624	97	14955	9.17	ug/l #	19
56) Ethyl methacrylate	10.526	69	7405	3.25	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.703	63	53	Below Cal	#	47
59) 2-Hexanone	10.807	43	10015	9.03	ug/l #	30
67) Ethyl Benzene	11.599	91	78762	8.12	ug/l	99
68) m/p-Xylenes	11.703	106	103874	28.07	ug/l	94
69) o-Xylene	12.032	106	77424	22.13	ug/l	93
73) Isopropylbenzene	12.331	105	14662	2.21	ug/l	100
74) N-amyl acetate	12.124	43	3727	1.97	ug/l #	44
76) 1,2,3-Trichloropropane	12.483	75	61246	67.06	ug/l #	100
78) n-propylbenzene	12.672	91	12235	1.57	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	32657	5.82	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	61246	132.36	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.123	105	32925	5.86	ug/l	97

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

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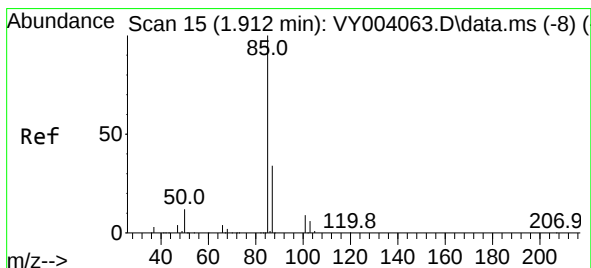
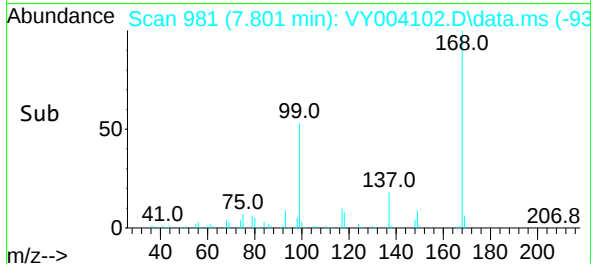
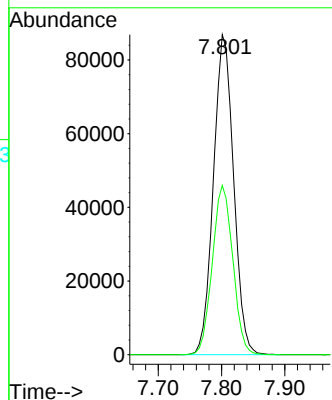
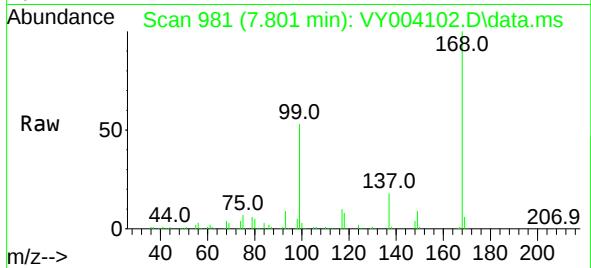




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

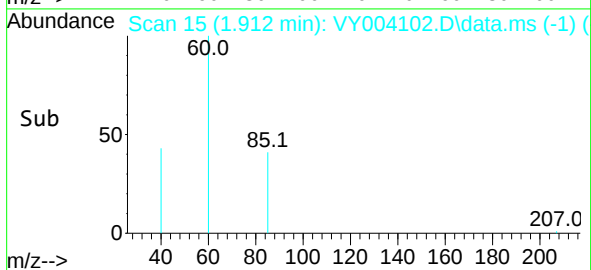
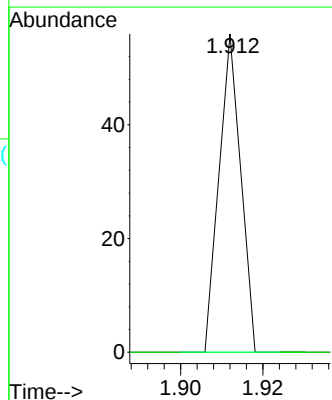
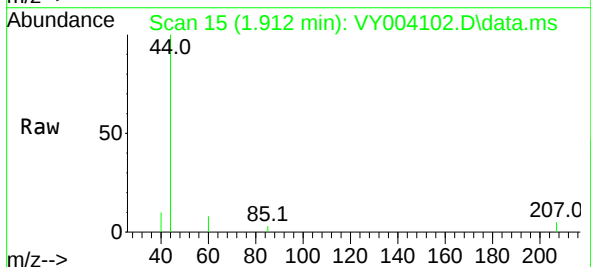
Instrument :
MSVOA_Y
ClientSampled :

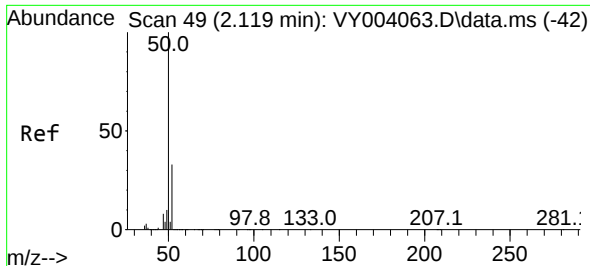
Tgt Ion:168 Resp: 192460
Ion Ratio Lower Upper
168 100
99 52.9 41.2 61.8



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 17.0 51.0#

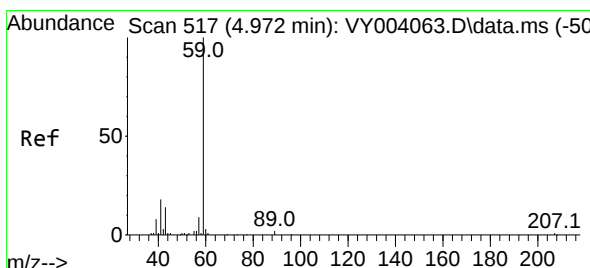
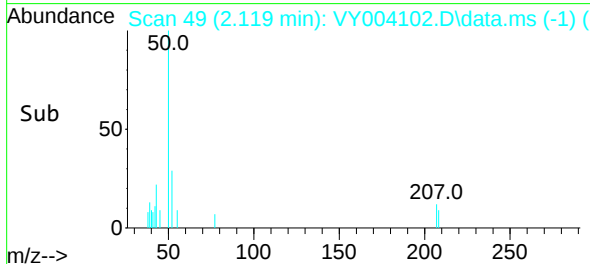
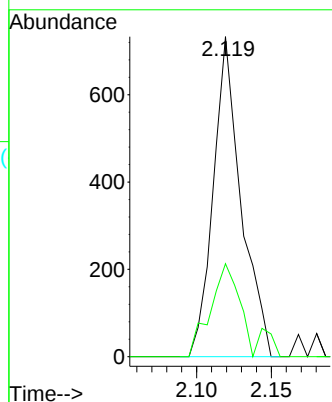
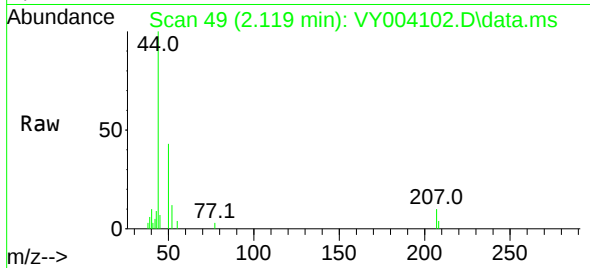




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

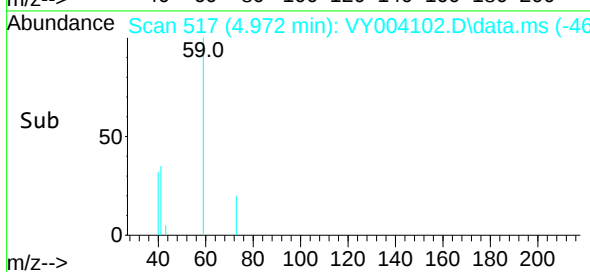
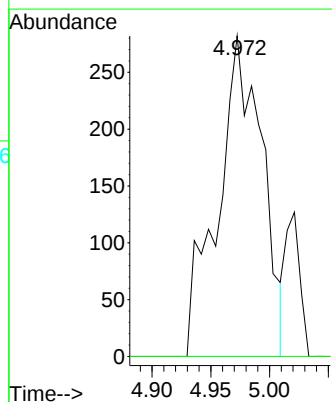
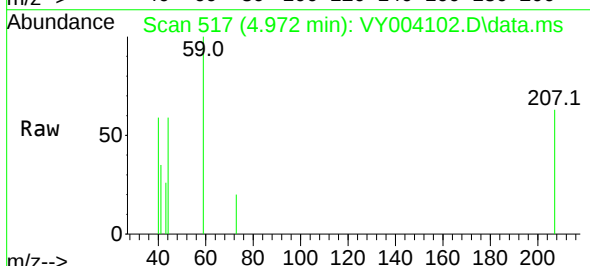
Instrument :
MSVOA_Y
ClientSampled :

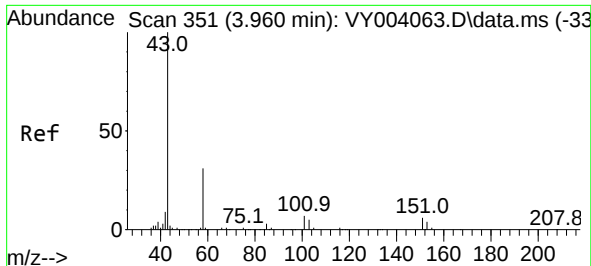
Tgt Ion: 50 Resp: 946
Ion Ratio Lower Upper
50 100
52 29.1 25.4 38.2



#11
Tert butyl alcohol
Concen: 4.32 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion: 59 Resp: 741
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

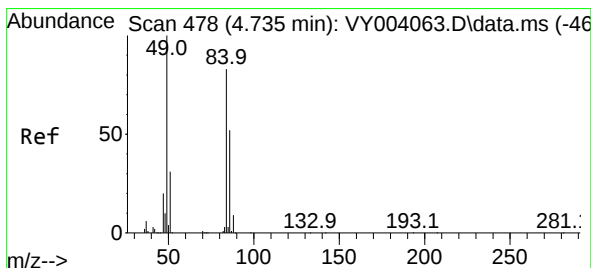
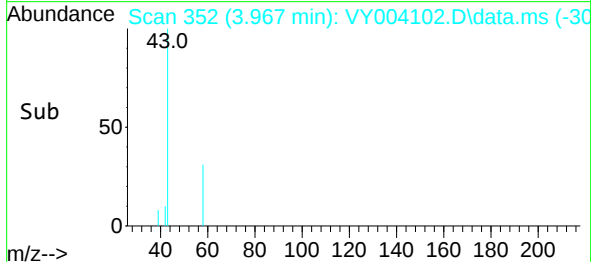
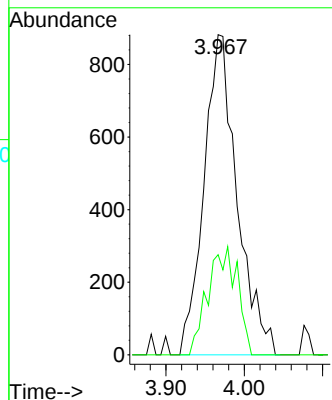
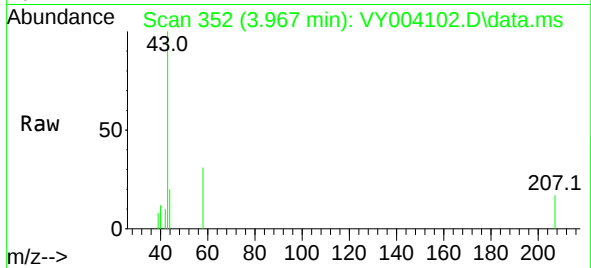




#16
Acetone
Concen: 5.66 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.007 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

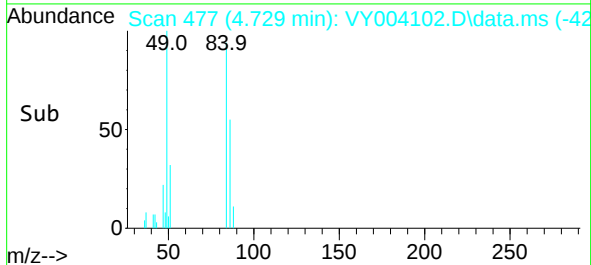
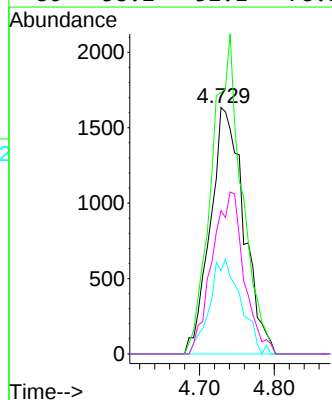
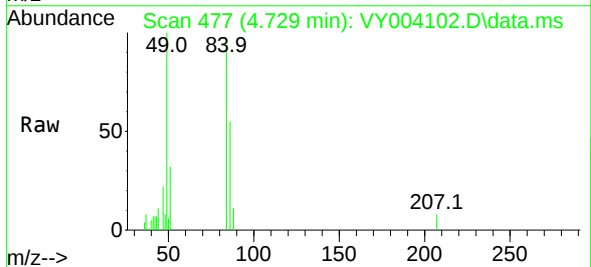
Instrument :
MSVOA_Y
ClientSampled :

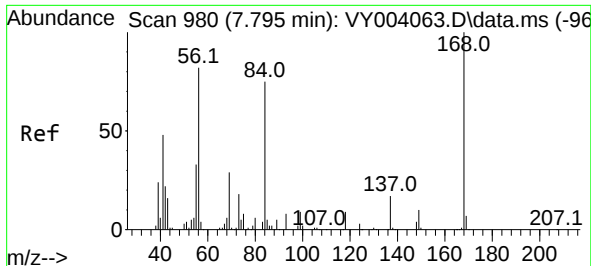
Tgt Ion: 43 Resp: 2595
Ion Ratio Lower Upper
43 100
58 31.3 22.6 34.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

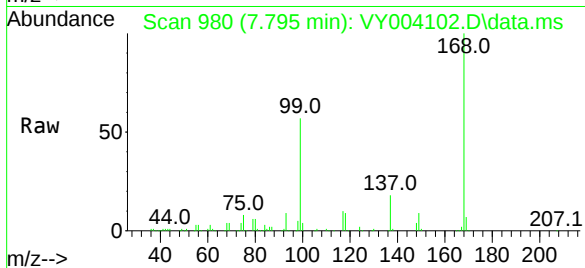
Tgt Ion: 84 Resp: 5085
Ion Ratio Lower Upper
84 100
49 106.1 105.8 158.6
51 33.8 32.6 48.8
86 58.2 52.1 78.1



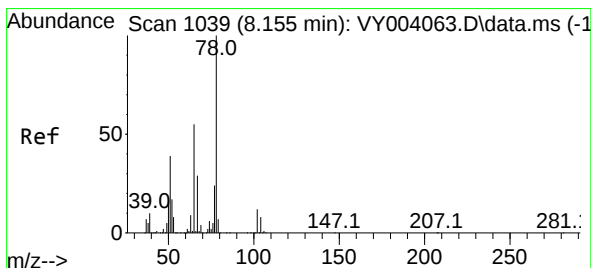
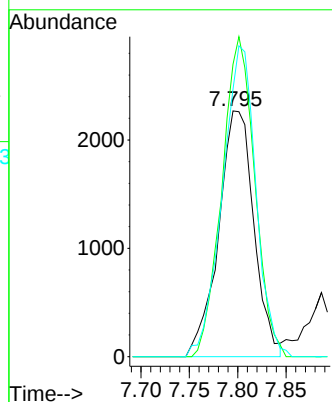
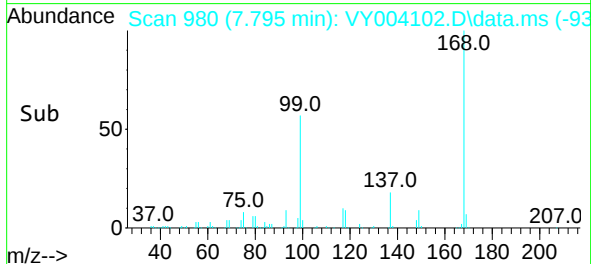


#31
Cyclohexane
Concen: 1.73 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

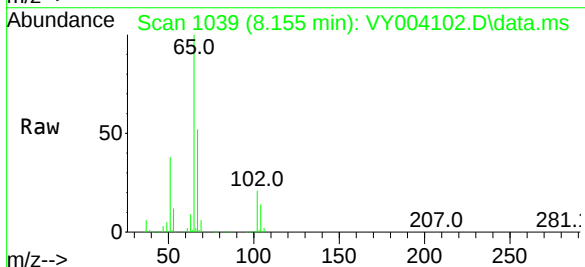
Instrument :
MSVOA_Y
ClientSampleId :



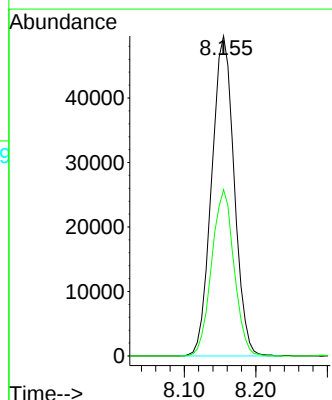
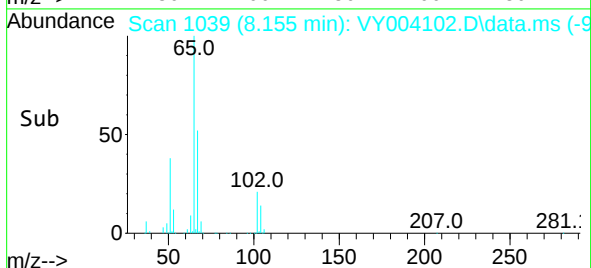
Tgt Ion: 56 Resp: 5753
Ion Ratio Lower Upper
56 100
69 118.9 25.3 37.9#
84 108.9 67.3 100.9#

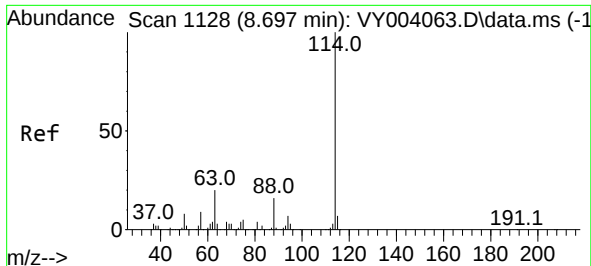


#33
1,2-Dichloroethane-d4
Concen: 57.15 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47



Tgt Ion: 65 Resp: 108547
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.4

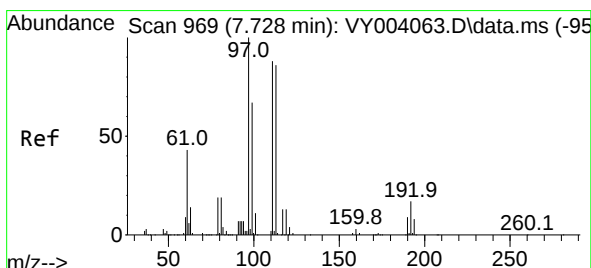
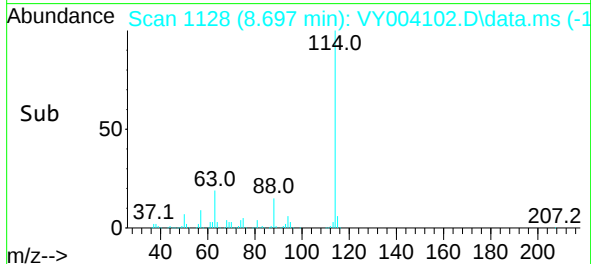
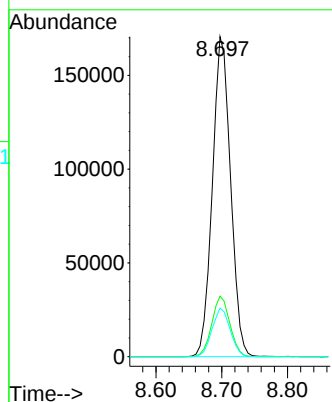
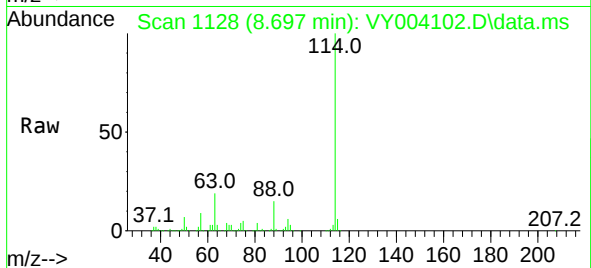




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

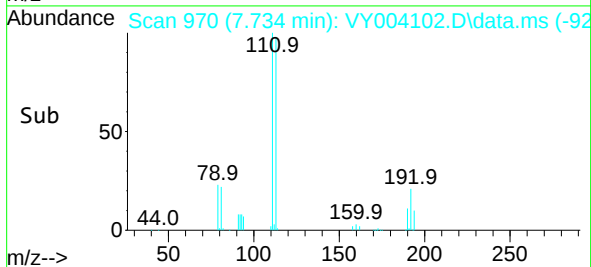
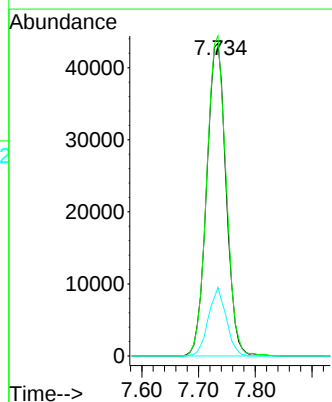
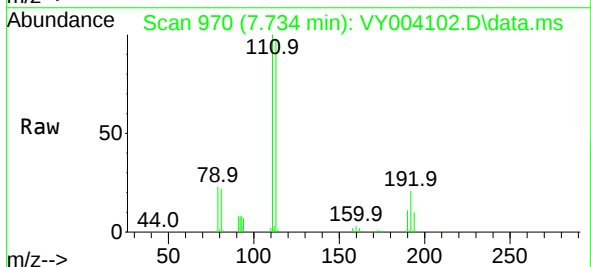
Instrument :
MSVOA_Y
ClientSampleId :

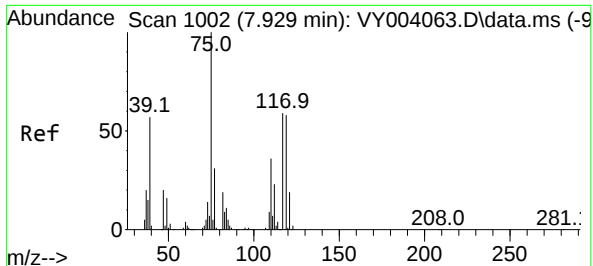
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	41.6
88	15.2	0.0	31.4



#35
Dibromofluoromethane
Concen: 55.85 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.2	124.8
192	20.1	18.5	27.7





#36

1,1-Dichloropropene

Concen: 4.82 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY004102.D

Acq: 17 Mar 2021 14:47

Tgt Ion: 75 Resp: 13889

Ion Ratio Lower Upper

75 100

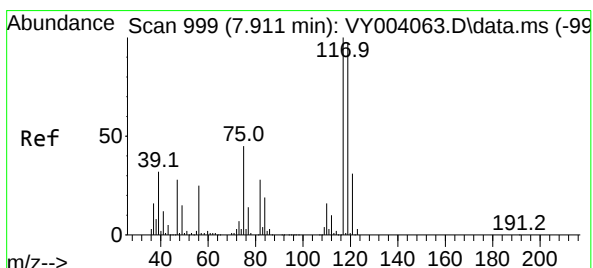
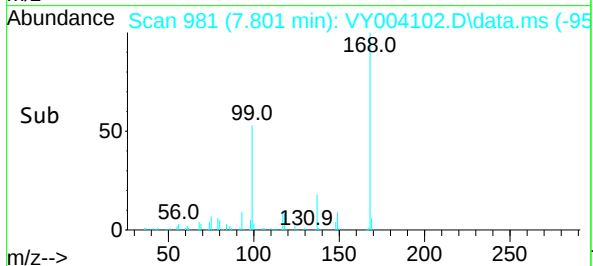
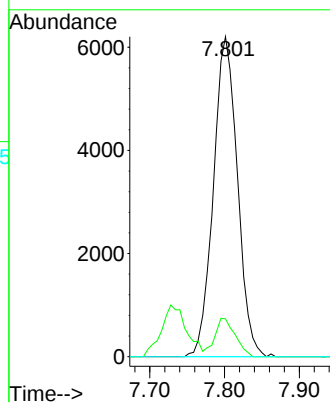
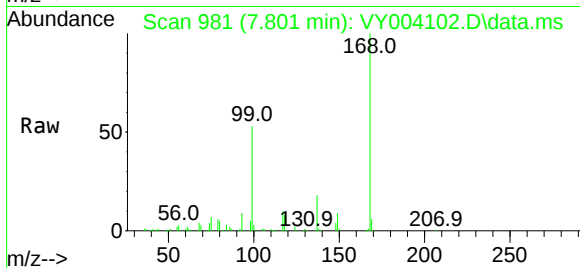
110 10.3 17.4 52.3#

77 0.0 24.5 36.7#

Instrument :

MSVOA_Y

ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.22 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.110 min

Lab File: VY004102.D

Acq: 17 Mar 2021 14:47

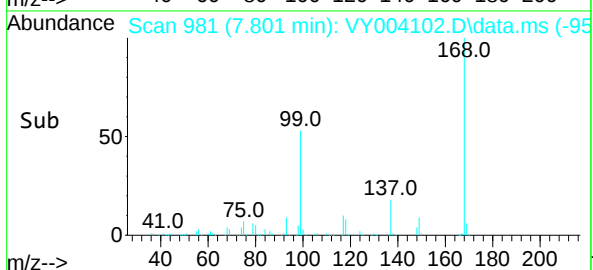
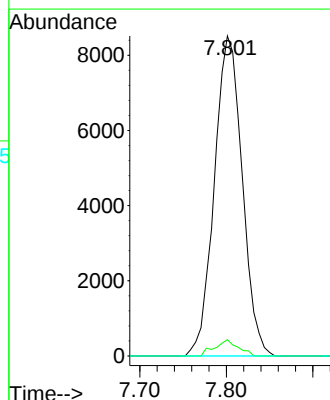
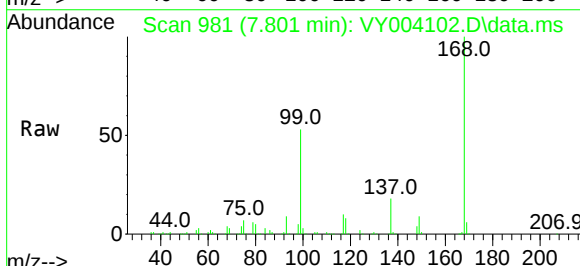
Tgt Ion: 117 Resp: 19024

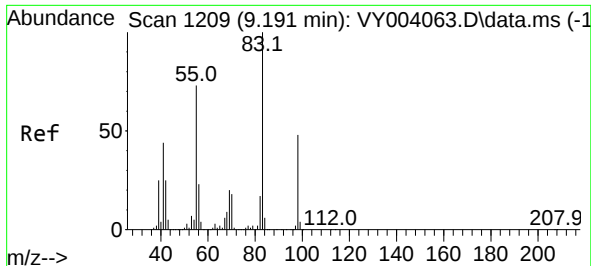
Ion Ratio Lower Upper

117 100

119 5.1 75.4 113.0#

121 0.0 24.2 36.2#

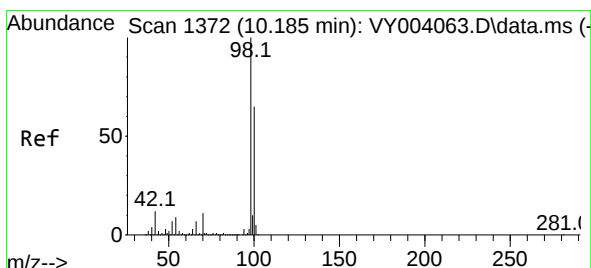
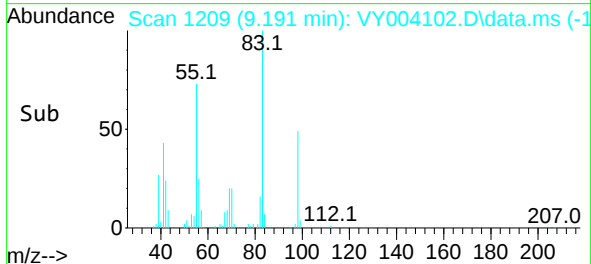
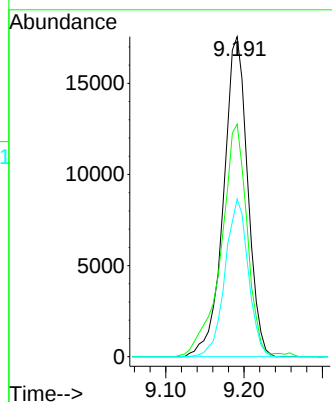
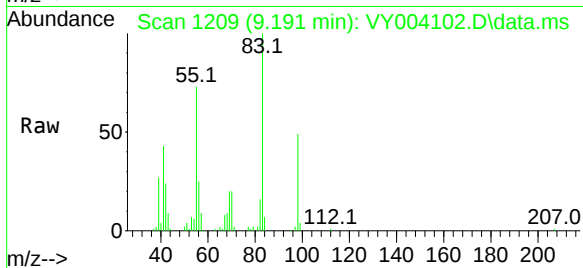




#39
Methylcyclohexane
Concen: 10.07 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

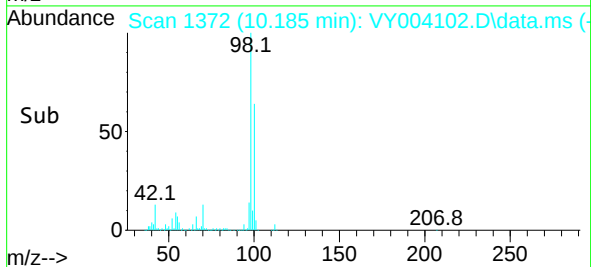
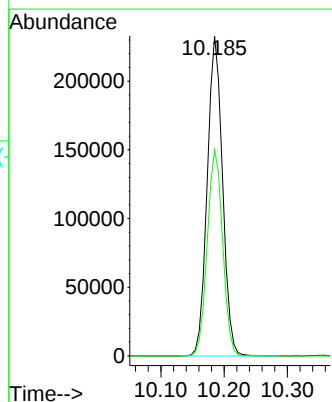
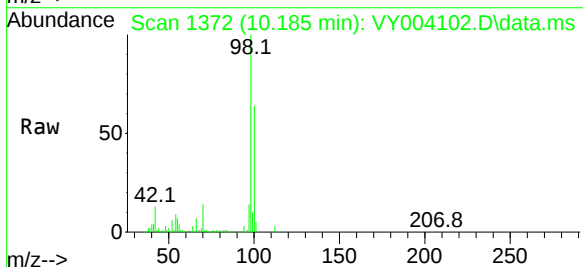
Instrument :
MSVOA_Y
ClientSampled :

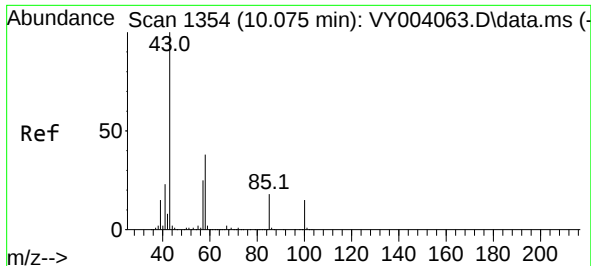
Tgt Ion: 83 Resp: 37487
Ion Ratio Lower Upper
83 100
55 72.2 65.6 98.4
98 49.3 39.5 59.3



#50
Toluene-d8
Concen: 53.87 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion: 98 Resp: 390764
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6

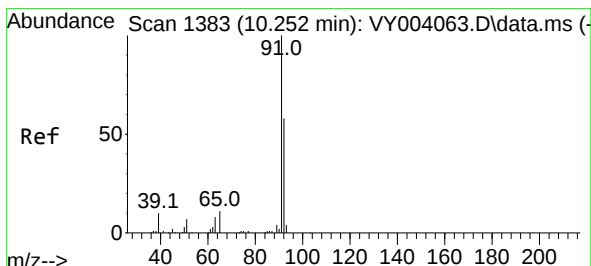
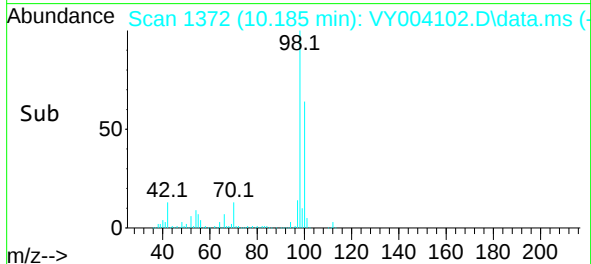
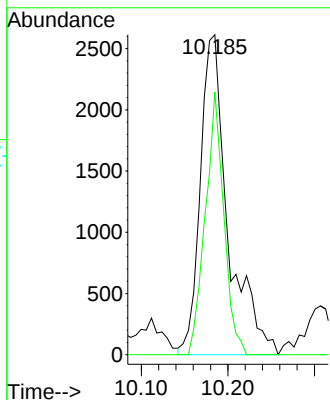
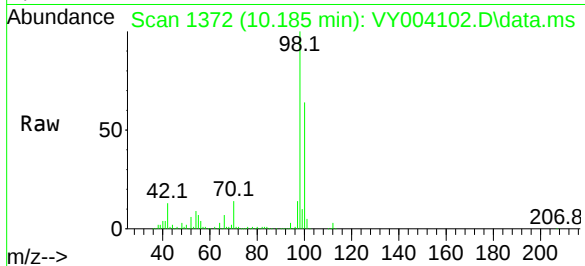




#51
4-Methyl-2-Pentanone
Concen: 3.70 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

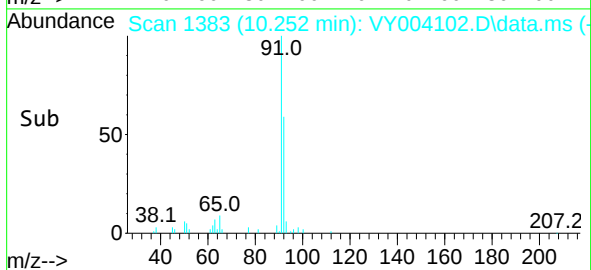
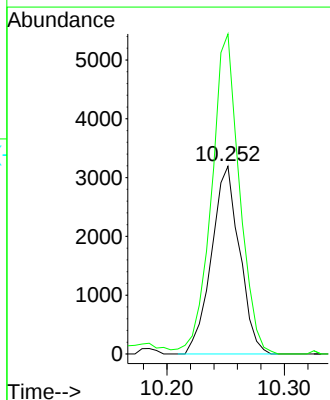
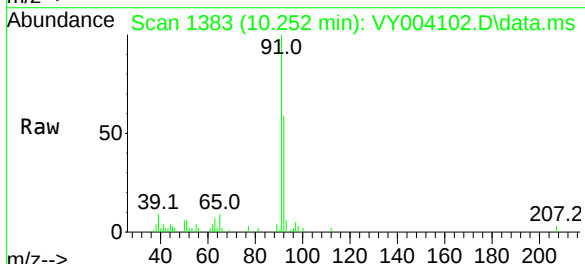
Instrument :
MSVOA_Y
ClientSampled :

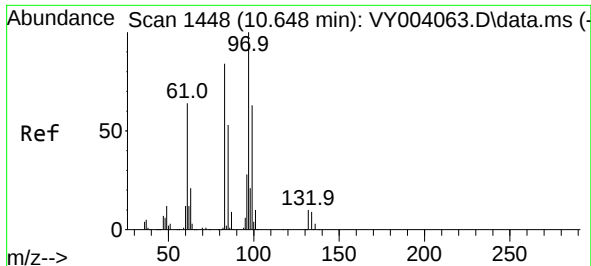
Tgt Ion: 43 Resp: 5834
Ion Ratio Lower Upper
43 100
58 54.7 29.8 44.8#



#52
Toluene
Concen: 1.01 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion: 92 Resp: 5299
Ion Ratio Lower Upper
92 100
91 169.8 141.0 211.4

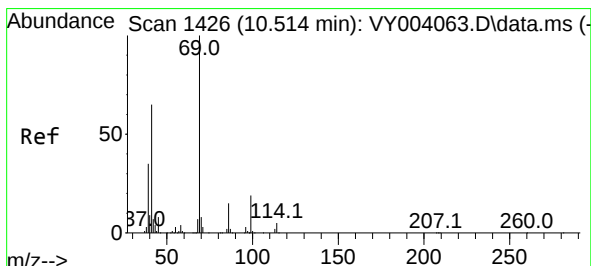
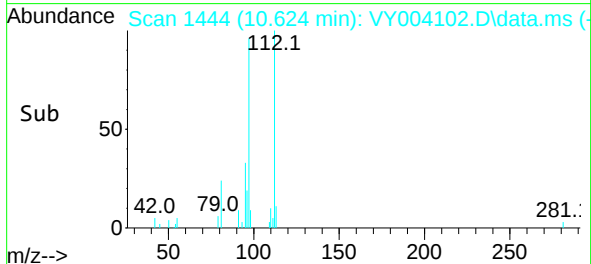
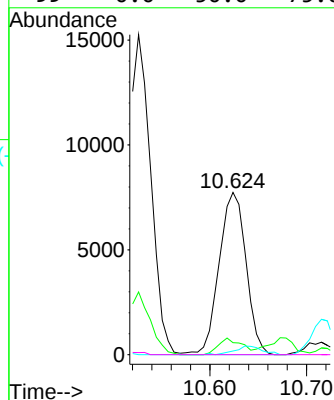
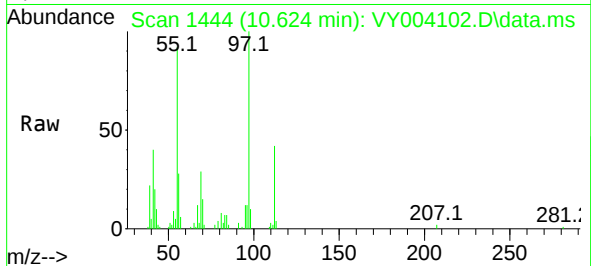




#55
1,1,2-Trichloroethane
Concen: 9.17 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

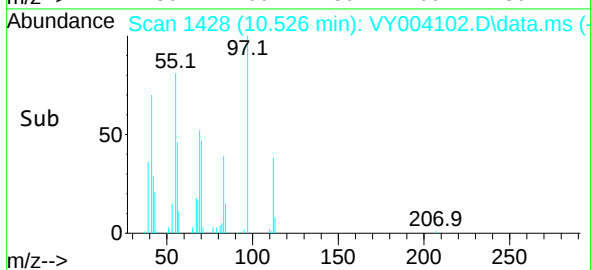
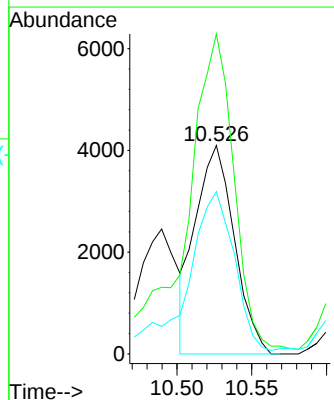
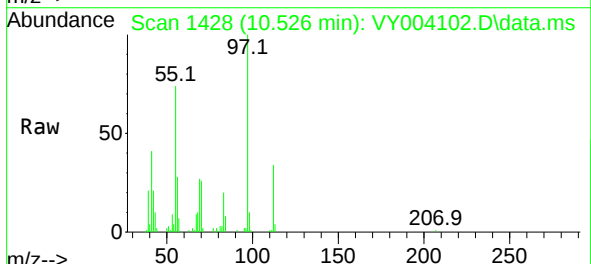
Instrument :
MSVOA_Y
ClientSampleId :

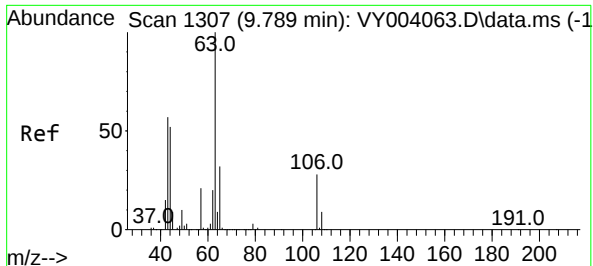
Tgt Ion:	97	Resp:	14955
Ion	Ratio	Lower	Upper
97	100		
83	7.4	69.4	104.0#
85	2.3	43.4	65.0#
99	0.0	50.0	75.0#



#56
Ethyl methacrylate
Concen: 3.25 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.012 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion:	69	Resp:	7405
Ion	Ratio	Lower	Upper
69	100		
41	185.0	57.2	85.8#
39	90.6	27.8	41.6#

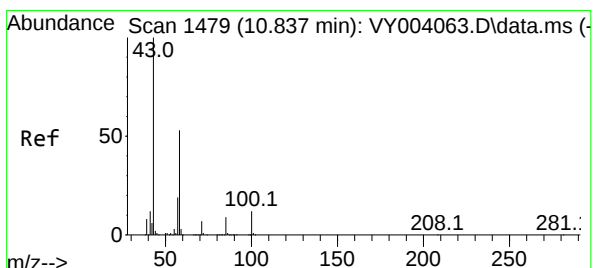
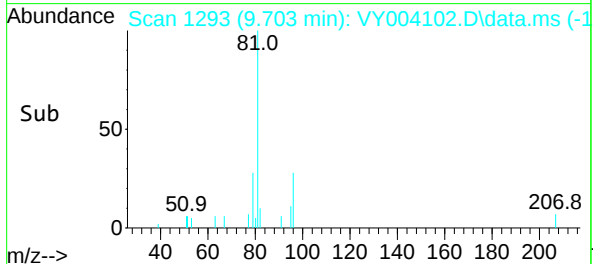
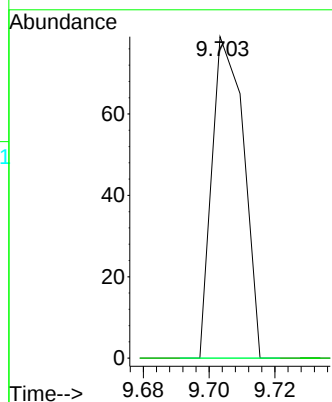
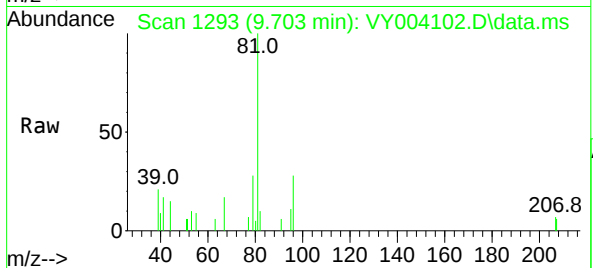




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.703 min Scan# 1293
Delta R.T. -0.086 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

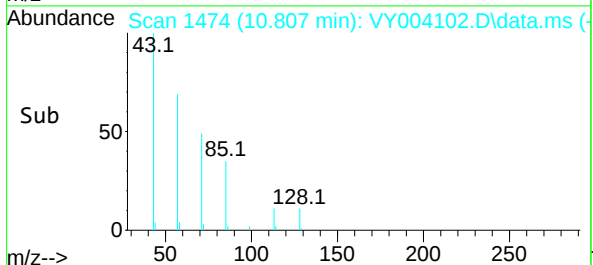
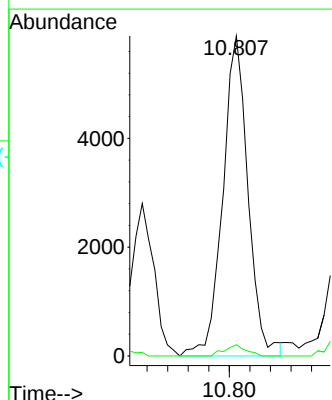
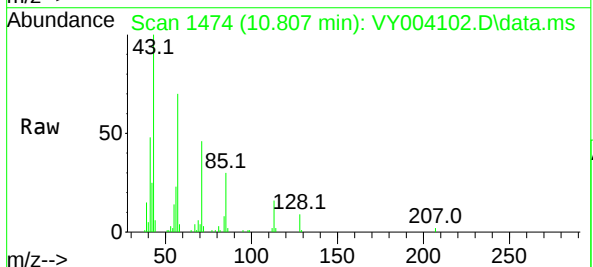
Instrument :
MSVOA_Y
ClientSampled :

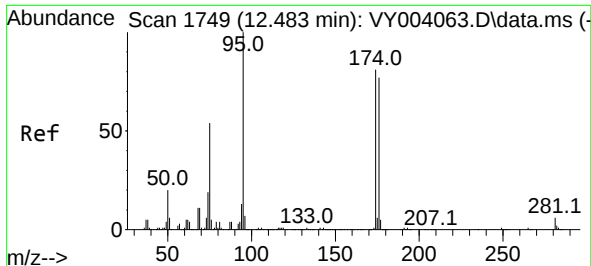
Tgt Ion: 63 Resp: 53
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#



#59
2-Hexanone
Concen: 9.03 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion: 43 Resp: 10015
Ion Ratio Lower Upper
43 100
58 2.9 26.5 79.4#

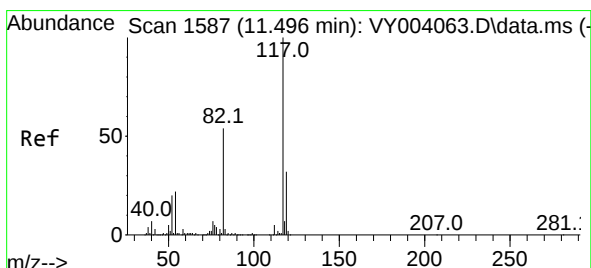
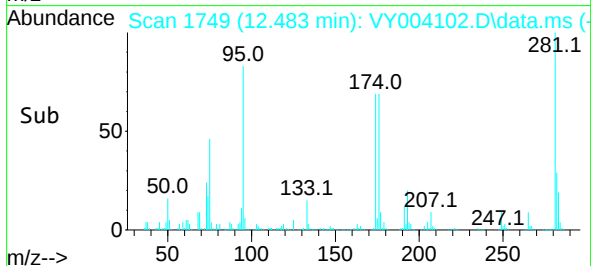
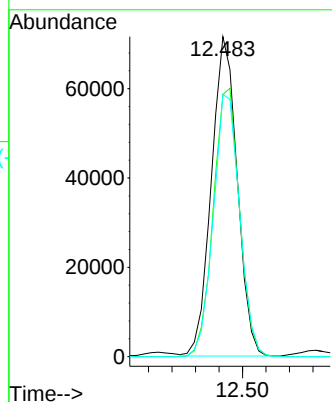
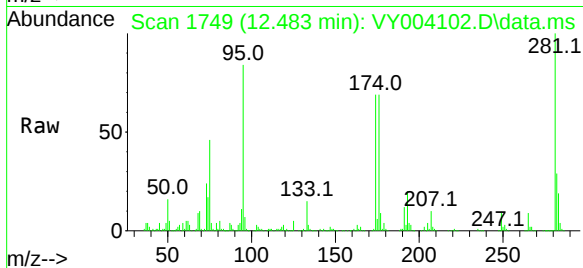




#62
4-Bromofluorobenzene
Concen: 40.71 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

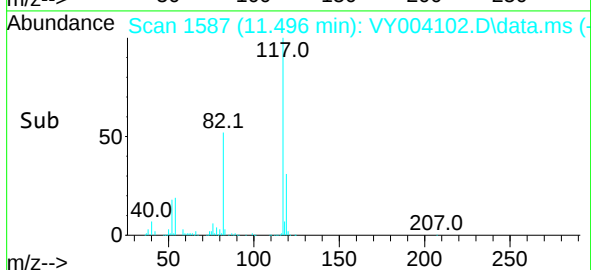
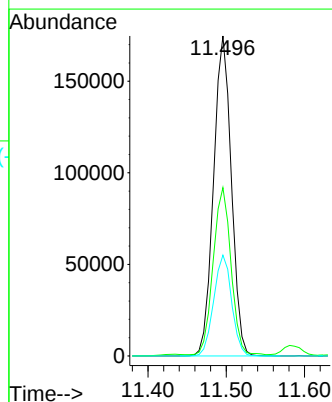
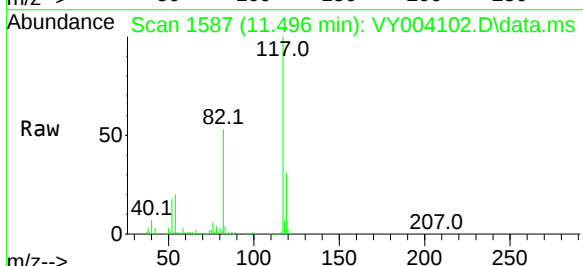
Instrument :
MSVOA_Y
ClientSampleId :

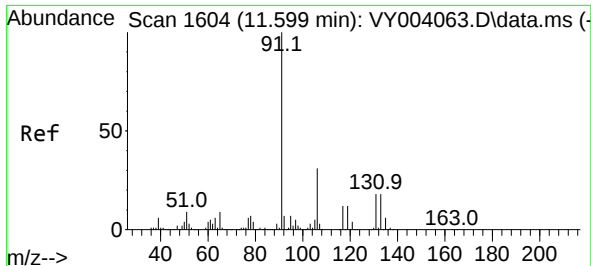
Tgt Ion: 95 Resp: 109070
Ion Ratio Lower Upper
95 100
174 85.4 0.0 179.0
176 83.5 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion: 117 Resp: 275769
Ion Ratio Lower Upper
117 100
82 52.2 43.8 65.6
119 31.5 26.2 39.2

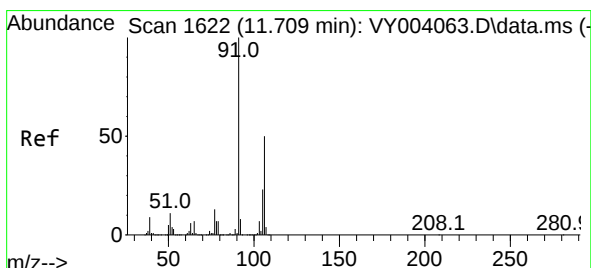
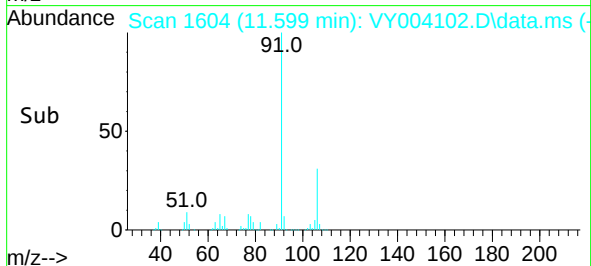
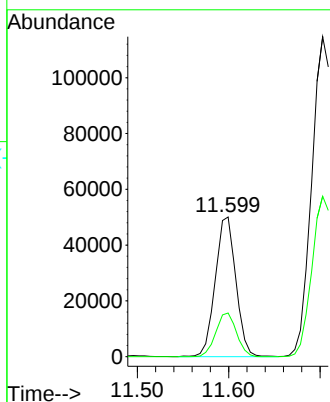
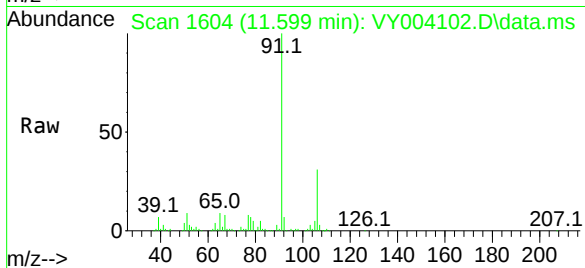




#67
Ethyl Benzene
Concen: 8.12 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

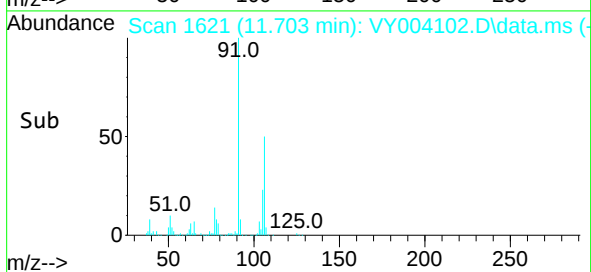
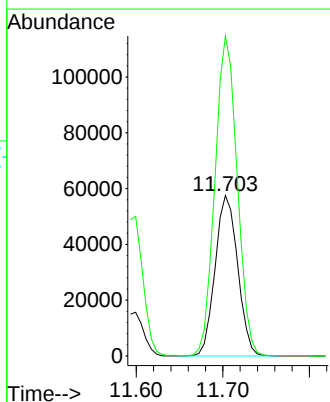
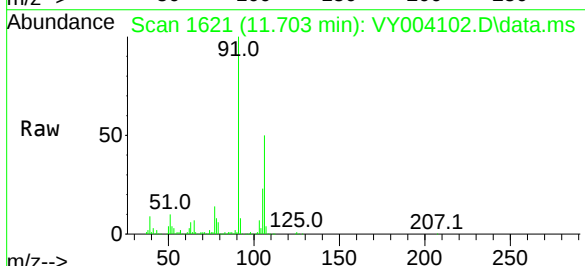
Instrument :
MSVOA_Y
ClientSampled :

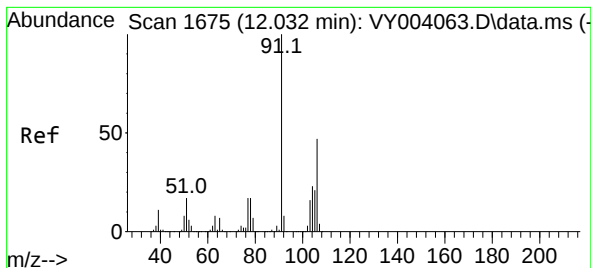
Tgt Ion: 91 Resp: 78762
Ion Ratio Lower Upper
91 100
106 31.3 24.5 36.7



#68
m/p-Xylenes
Concen: 28.07 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion: 106 Resp: 103874
Ion Ratio Lower Upper
106 100
91 196.7 165.4 248.0

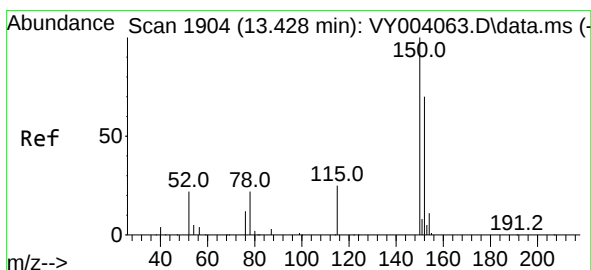
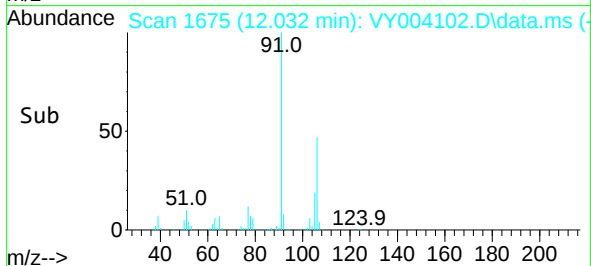
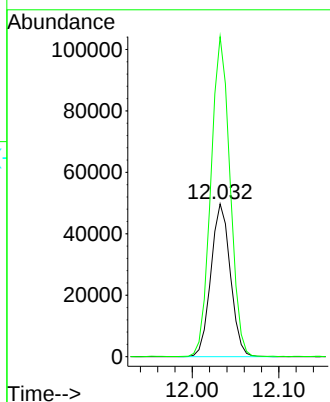
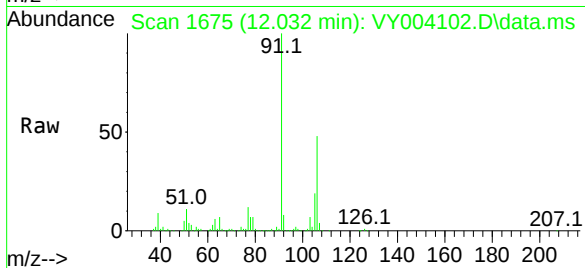




#69
o-Xylene
Concen: 22.13 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

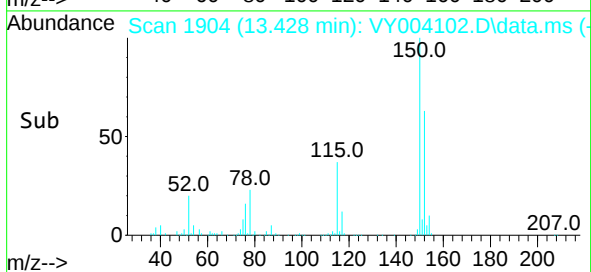
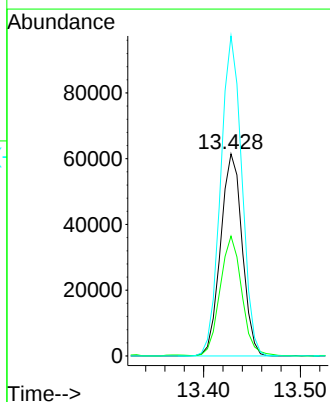
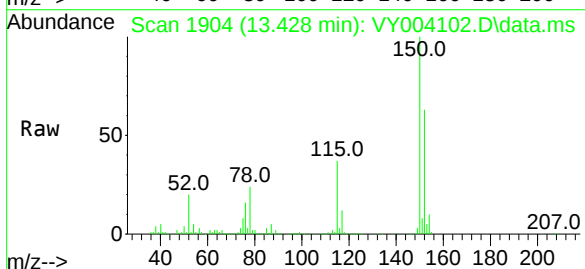
Instrument :
MSVOA_Y
ClientSampled :

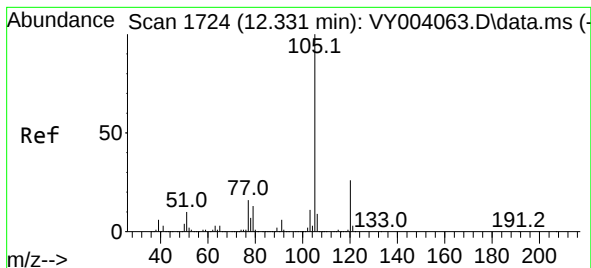
Tgt Ion:106 Resp: 77424
Ion Ratio Lower Upper
106 100
91 207.3 108.9 326.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion:152 Resp: 95244
Ion Ratio Lower Upper
152 100
115 59.8 28.2 84.6
150 156.0 0.0 347.2

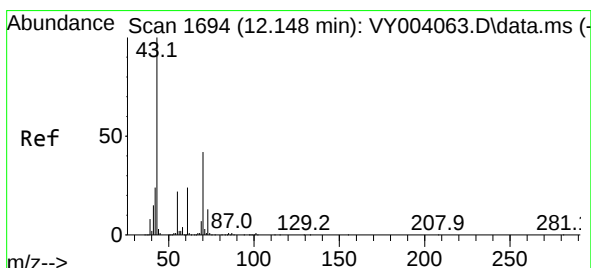
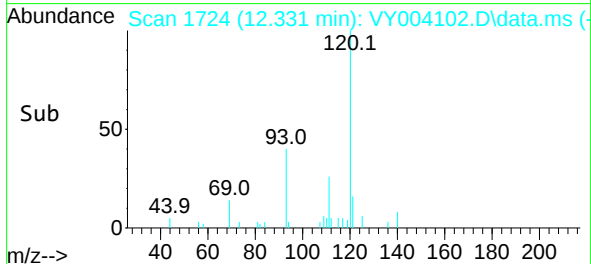
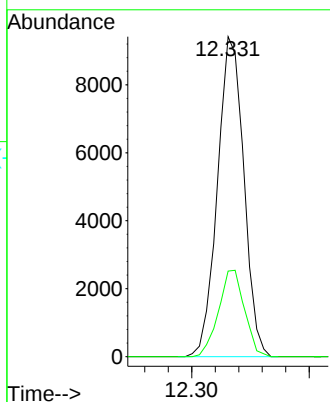
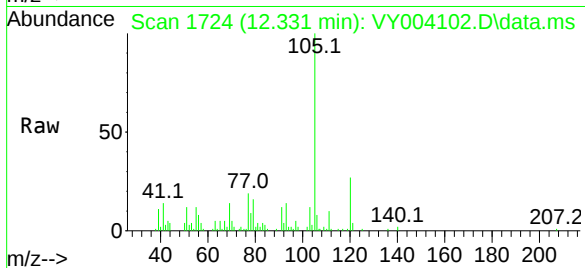




#73
Isopropylbenzene
Concen: 2.21 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

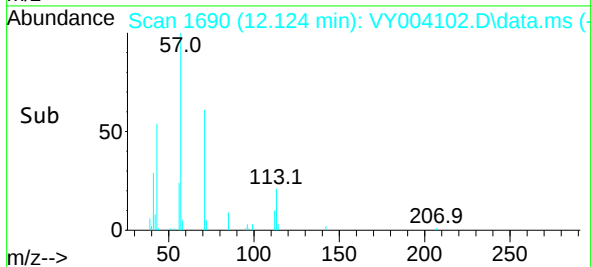
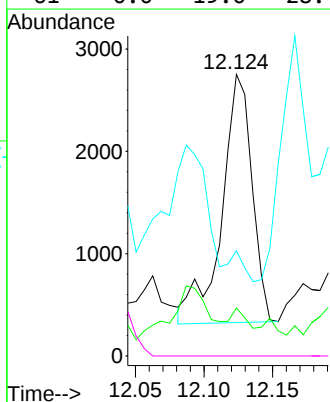
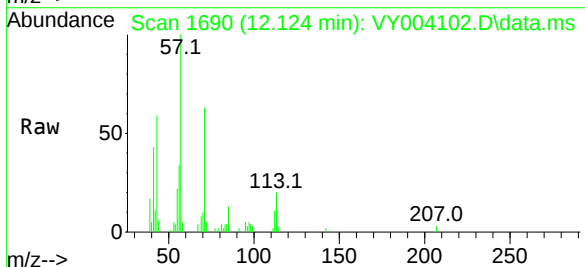
Instrument :
MSVOA_Y
ClientSampled :

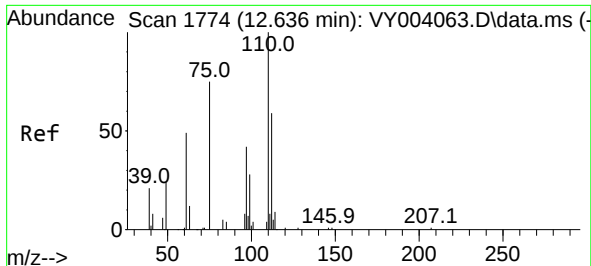
Tgt Ion:105 Resp: 14662
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.9



#74
N-ethyl acetate
Concen: 1.97 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion: 43 Resp: 3727
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 0.0 18.4 27.6#
61 0.0 19.0 28.4#

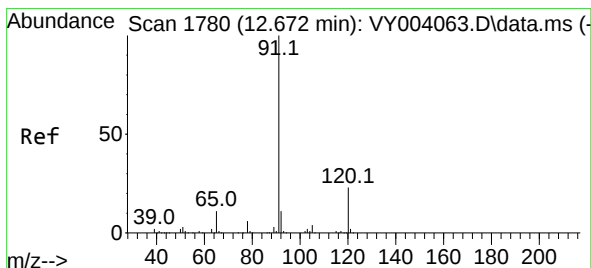
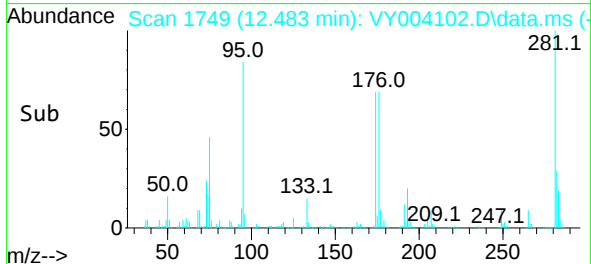
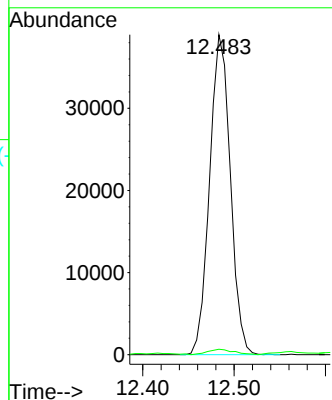
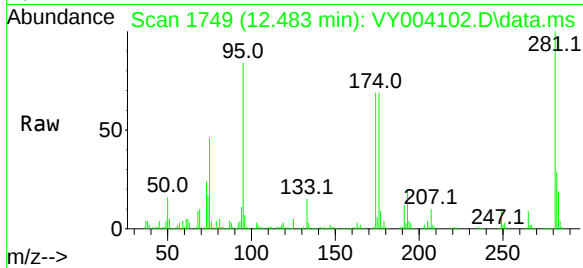




#76
1,2,3-Trichloropropane
Concen: 67.06 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

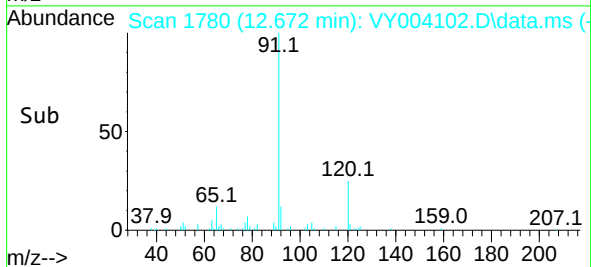
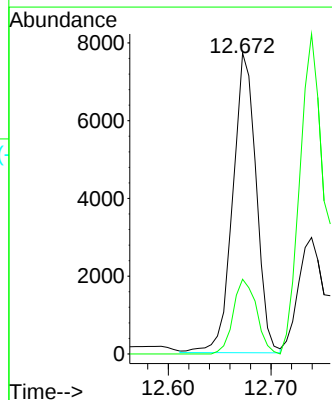
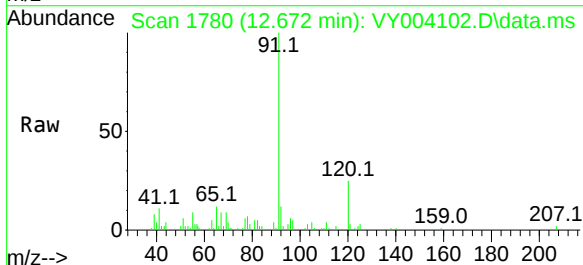
Instrument :
MSVOA_Y
ClientSampled :

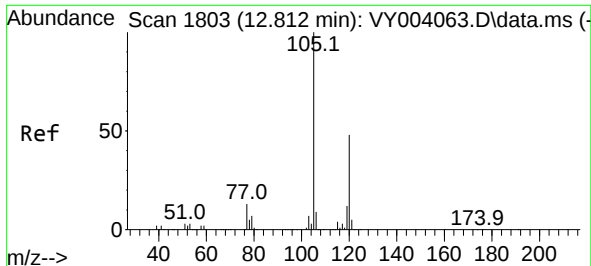
Tgt Ion: 75 Resp: 61246
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#78
n-propylbenzene
Concen: 1.57 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion: 91 Resp: 12235
Ion Ratio Lower Upper
91 100
120 24.7 11.3 33.9

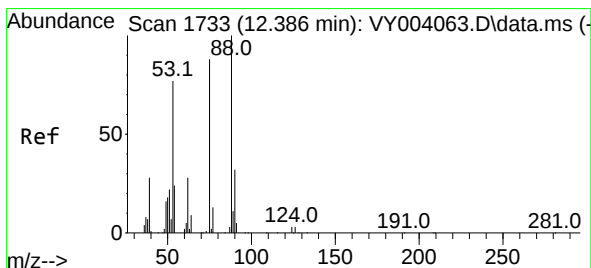
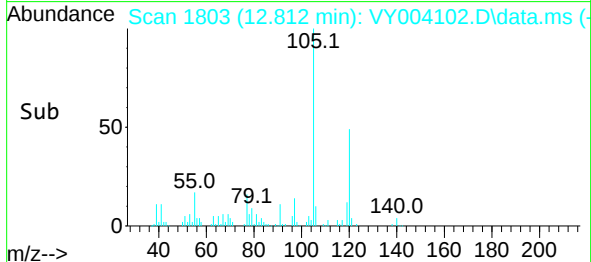
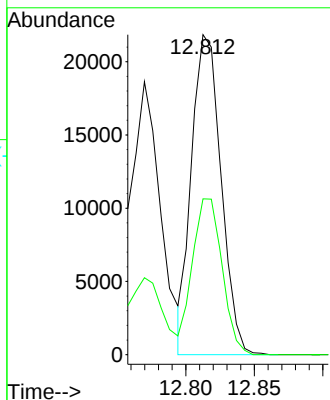
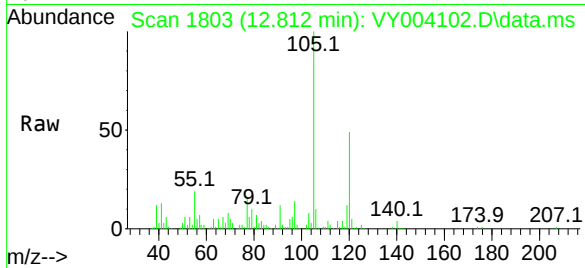




#80
1,3,5-Trimethylbenzene
Concen: 5.82 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

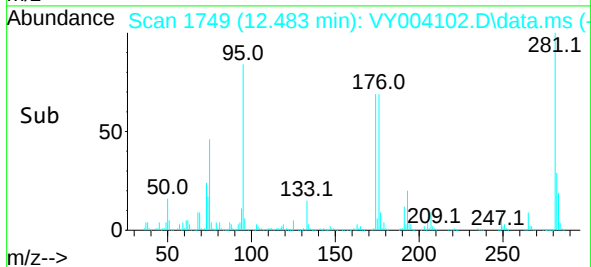
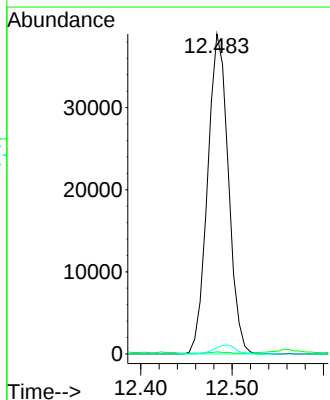
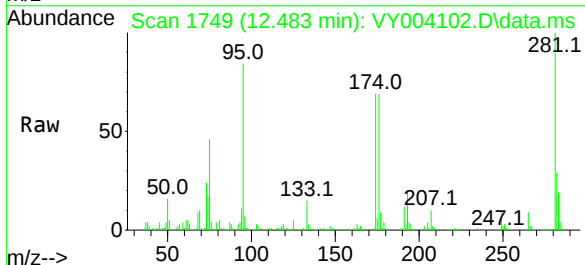
Instrument :
MSVOA_Y
ClientSampled :

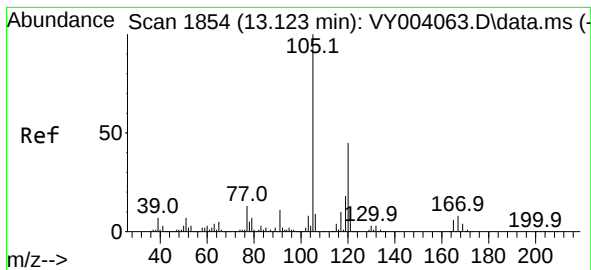
Tgt Ion:105 Resp: 32657
Ion Ratio Lower Upper
105 100
120 49.1 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 132.36 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004102.D
Acq: 17 Mar 2021 14:47

Tgt Ion: 75 Resp: 61246
Ion Ratio Lower Upper
75 100
53 0.5 73.5 110.3#
89 2.9 35.7 53.5#





#84
 1,2,4-Trimethylbenzene
 Concen: 5.86 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY004102.D
 Acq: 17 Mar 2021 14:47

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:105 Resp: 32925
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.1 66.3

