

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
 Data File : VY004109.D
 Acq On : 17 Mar 2021 17:30
 Operator : SY/MD
 Sample : M1709-01
 Misc : 5.93g/5mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 01:51:19 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)

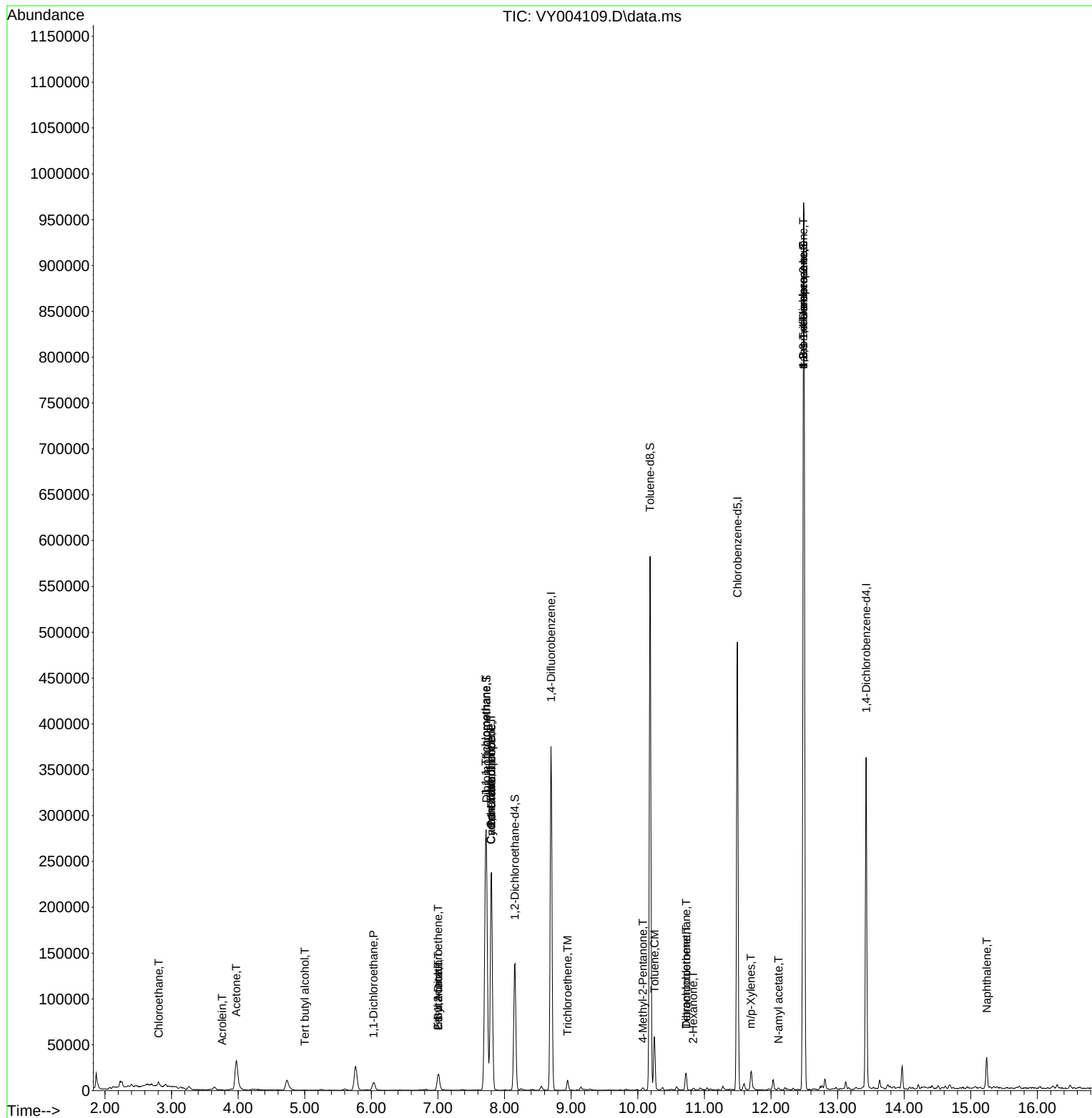
Internal Standards						
1) Pentafluorobenzene	7.801	168	187260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	319682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	266817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90234	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	108684	58.81	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.62%			
35) Dibromofluoromethane	7.728	113	100806	55.92	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.84%			
50) Toluene-d8	10.185	98	370790	52.46	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.92%			
62) 4-Bromofluorobenzene	12.483	95	106463	40.79	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 81.58%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	80	Below Cal	#	41
3) Chloromethane	2.113	50	688	Below Cal	#	66
6) Chloroethane	2.808	64	3819	2.77	ug/l	91
11) Tert butyl alcohol	5.003	59	657	3.93	ug/l #	76
13) Acrolein	3.759	56	281	1.70	ug/l #	15
16) Acetone	3.973	43	66253	148.53	ug/l	90
20) Methylene Chloride	4.735	84	8042	Below Cal	#	78
24) 1,1-Dichloroethane	6.033	63	12467	3.91	ug/l #	92
25) 2-Butanone	7.003	43	24754	38.50	ug/l	95
27) cis-1,2-Dichloroethene	7.003	96	2711	1.29	ug/l	77
31) Cyclohexane	7.795	56	4088	1.26	ug/l #	13
32) 1,1,1-Trichloroethane	7.716	97	145854	47.54	ug/l	99
36) 1,1-Dichloropropene	7.801	75	13536	4.82	ug/l #	50
37) Ethyl Acetate	7.003	43	24754	16.36	ug/l #	88
38) Carbon Tetrachloride	7.795	117	18126	6.08	ug/l #	17
44) Trichloroethene	8.947	130	3747	1.64	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	1833	1.19	ug/l	99
52) Toluene	10.252	92	24976	4.87	ug/l	94
59) 2-Hexanone	10.831	43	1703	1.58	ug/l	89
60) Dibromochloromethane	10.728	129	3277	1.64	ug/l #	10
64) Tetrachloroethene	10.728	164	3690	1.65	ug/l #	88
68) m/p-Xylenes	11.697	106	5968	1.67	ug/l	99
74) N-amyl acetate	12.111	43	1819	1.01	ug/l #	50
76) 1,2,3-Trichloropropane	12.483	75	60988	70.49	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	60988	139.12	ug/l #	15
95) Naphthalene	15.239	128	27593	8.28	ug/l	99

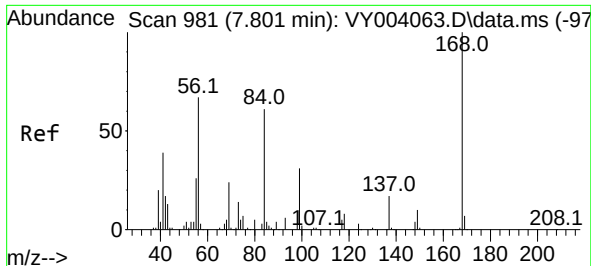
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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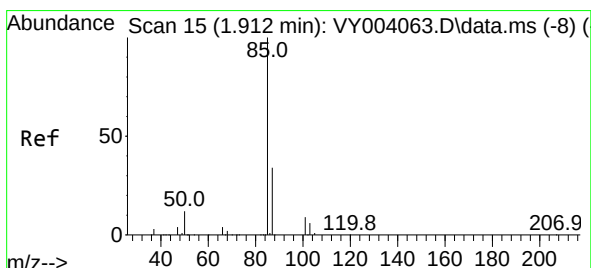
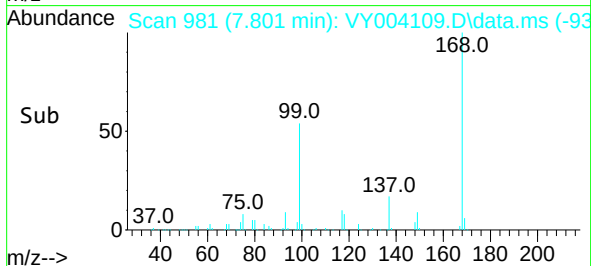
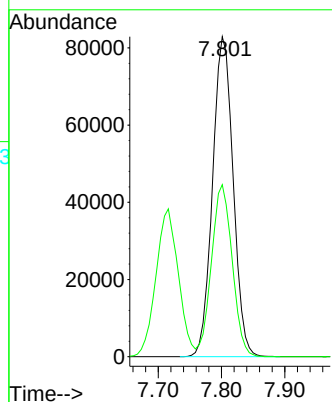
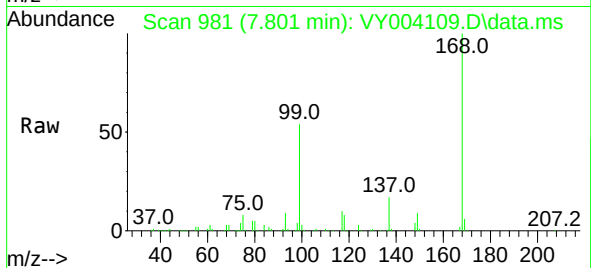




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

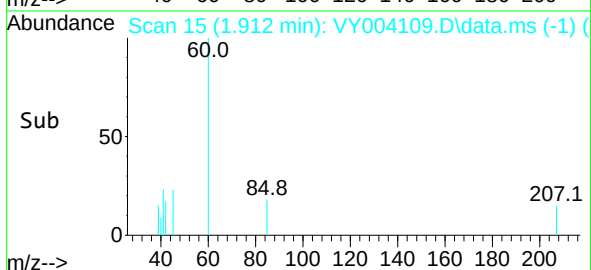
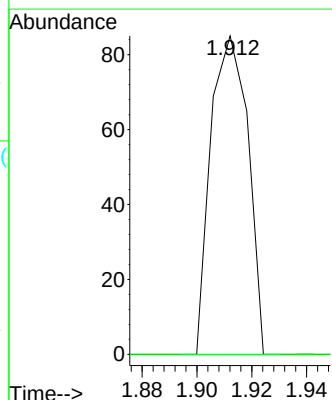
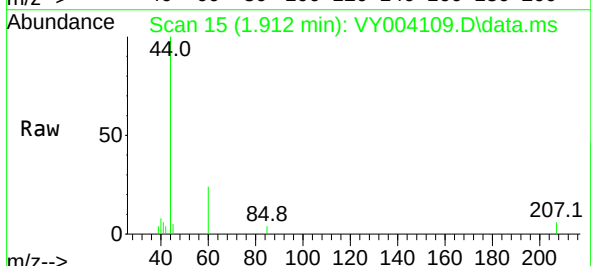
Instrument :
MSVOA_Y
ClientSampled :

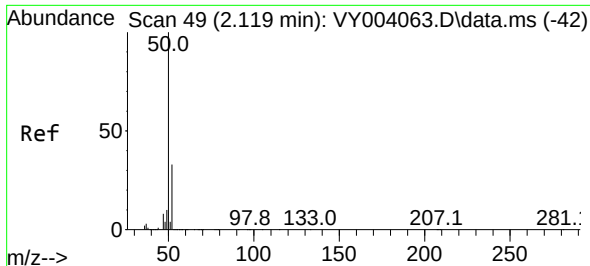
Tgt Ion:168 Resp: 187260
Ion Ratio Lower Upper
168 100
99 53.8 41.2 61.8



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

Tgt Ion: 85 Resp: 80
Ion Ratio Lower Upper
85 100
87 0.0 17.0 51.0#

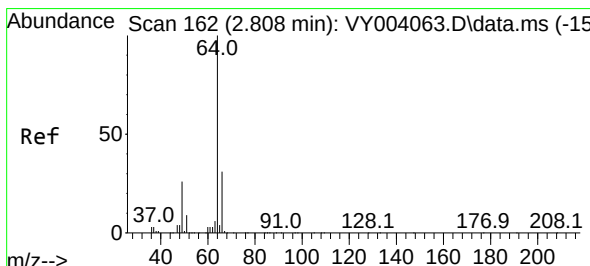
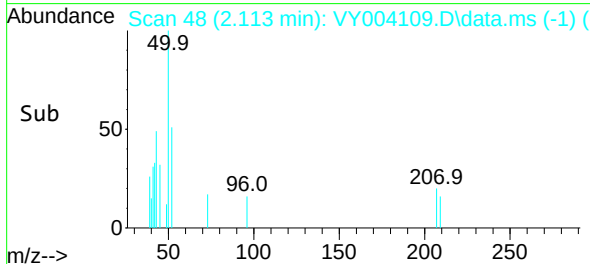
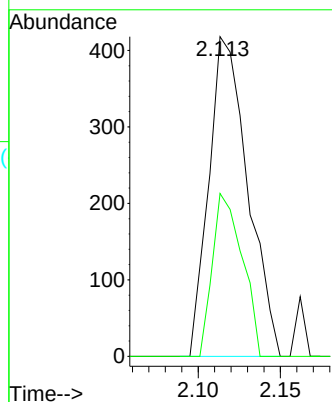
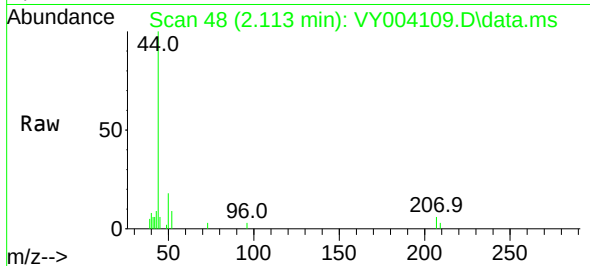




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

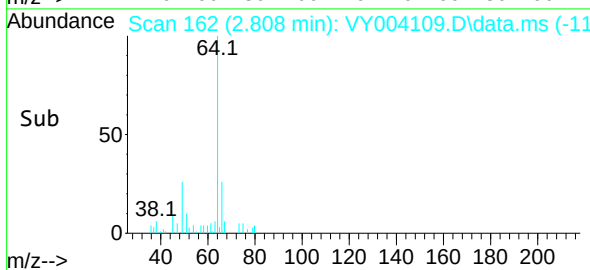
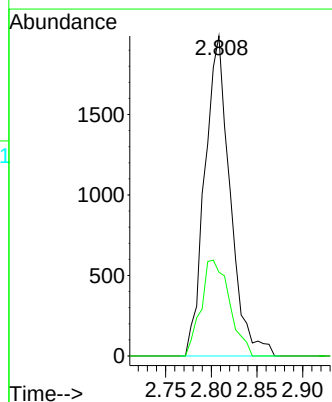
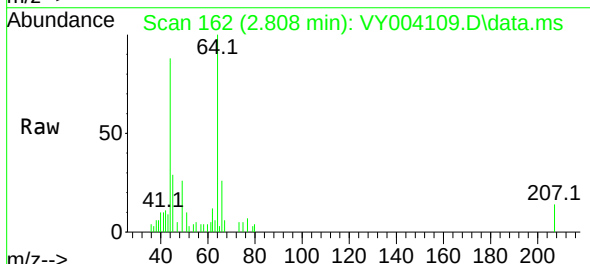
Instrument :
MSVOA_Y
ClientSampleId :

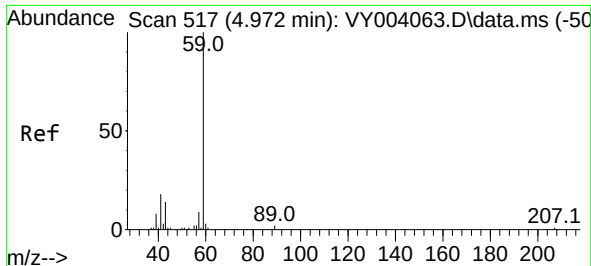
Tgt Ion: 50 Resp: 688
Ion Ratio Lower Upper
50 100
52 51.0 25.4 38.2#



#6
Chloroethane
Concen: 2.77 ug/l
RT: 2.808 min Scan# 162
Delta R.T. 0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

Tgt Ion: 64 Resp: 3819
Ion Ratio Lower Upper
64 100
66 26.2 25.0 37.6



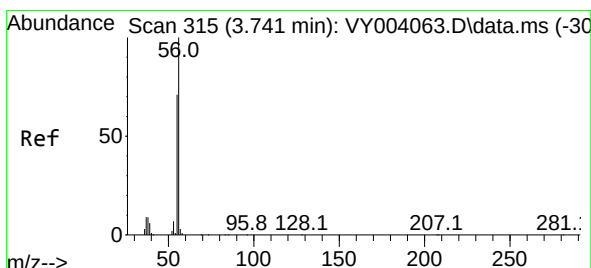
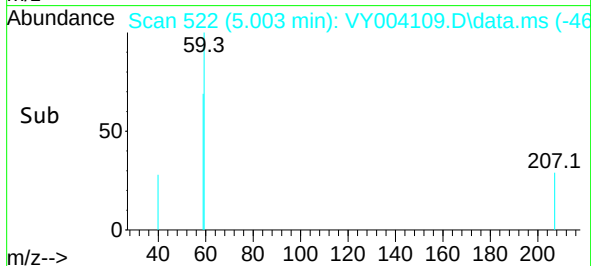
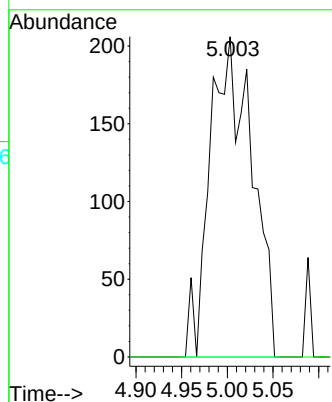
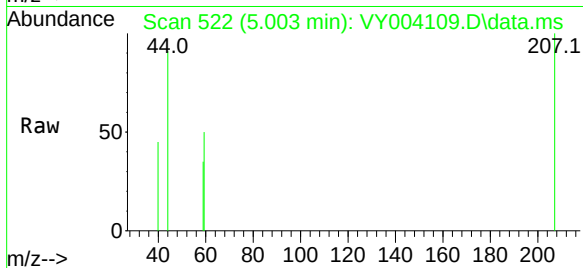


#11

Tert butyl alcohol
Concen: 3.93 ug/l
RT: 5.003 min Scan# 522
Delta R.T. 0.031 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

Instrument :
MSVOA_Y
ClientSampled :

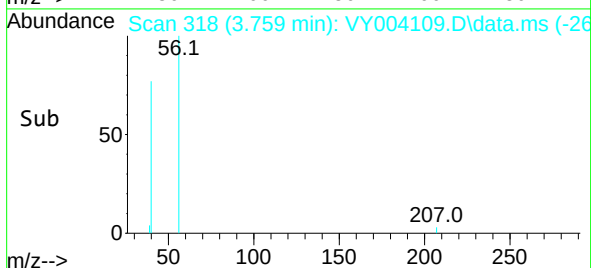
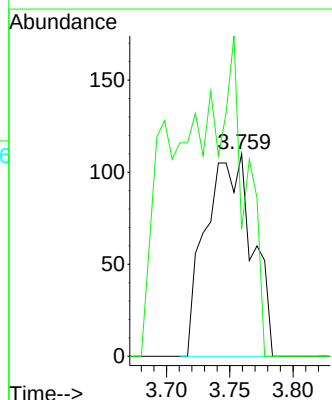
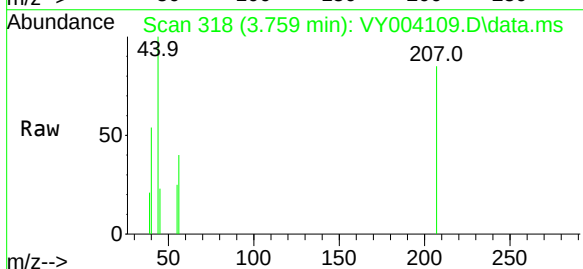
Tgt Ion: 59 Resp: 657
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

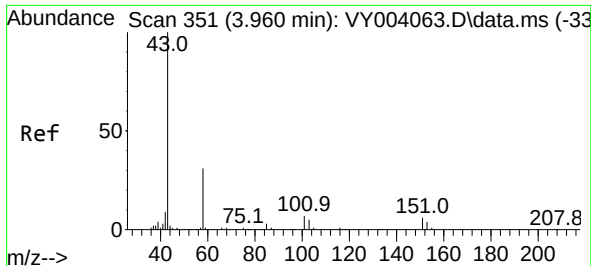


#13

Acrolein
Concen: 1.70 ug/l
RT: 3.759 min Scan# 318
Delta R.T. 0.018 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

Tgt Ion: 56 Resp: 281
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#

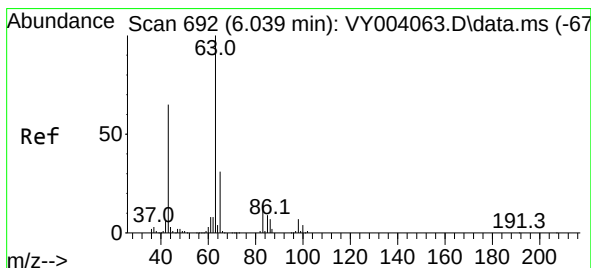
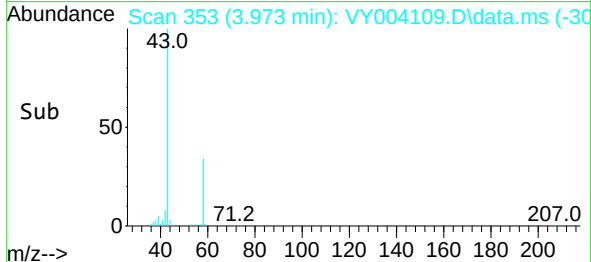
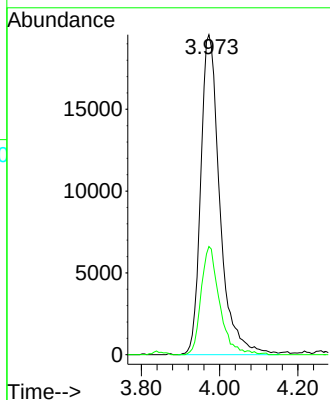
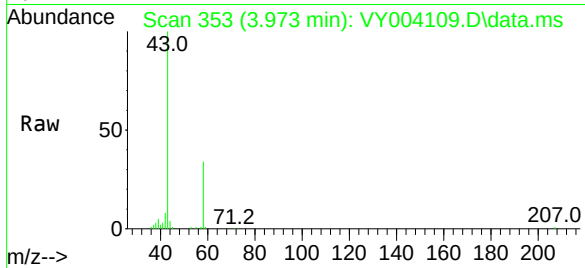




#16
Acetone
Concen: 148.53 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.013 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

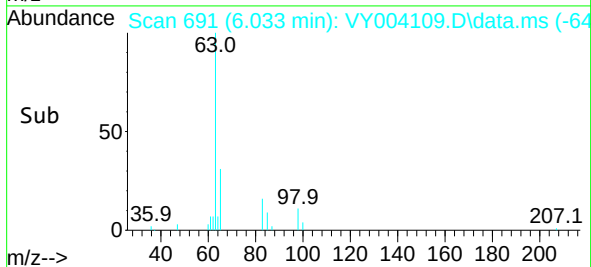
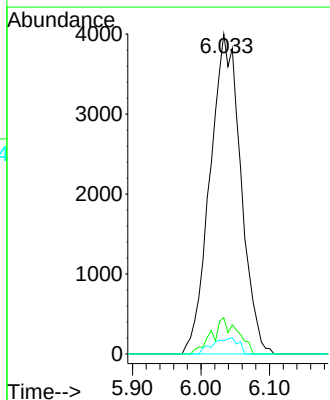
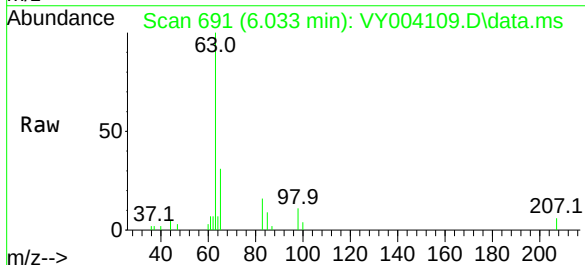
Instrument :
MSVOA_Y
ClientSampled :

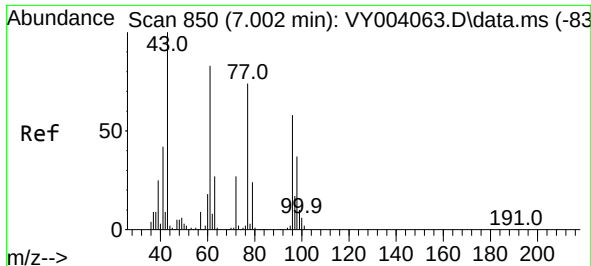
Tgt Ion: 43 Resp: 66253
Ion Ratio Lower Upper
43 100
58 33.8 22.6 34.0



#24
1,1-Dichloroethane
Concen: 3.91 ug/l
RT: 6.033 min Scan# 691
Delta R.T. -0.006 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

Tgt Ion: 63 Resp: 12467
Ion Ratio Lower Upper
63 100
98 11.4 3.5 10.4#
100 4.1 2.3 6.9

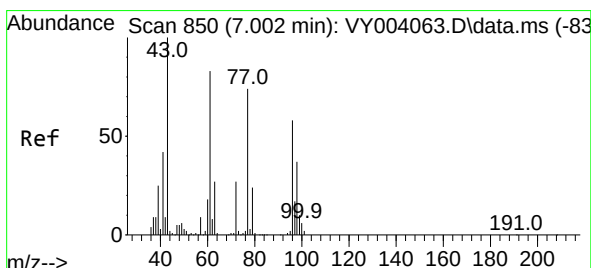
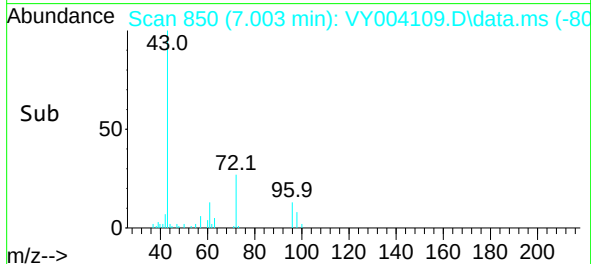
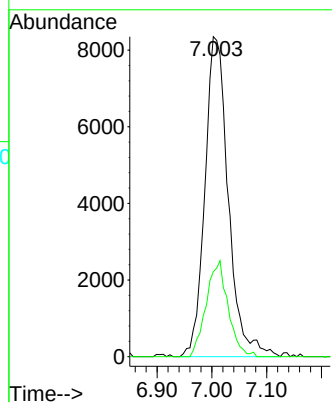
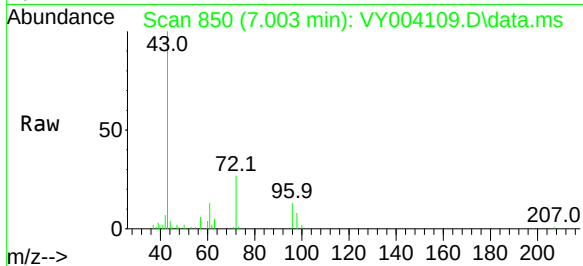




#25
2-Butanone
Concen: 38.50 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.001 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

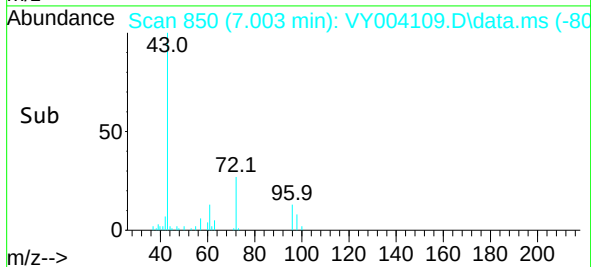
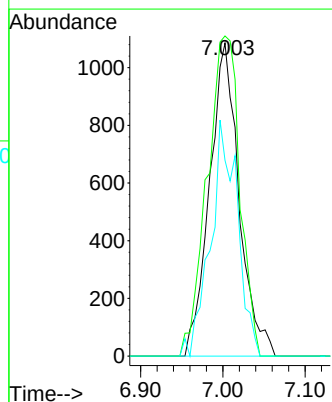
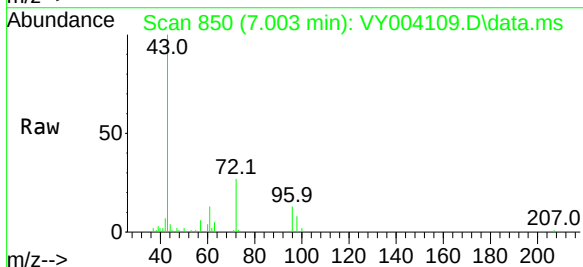
Instrument :
MSVOA_Y
ClientSampled :

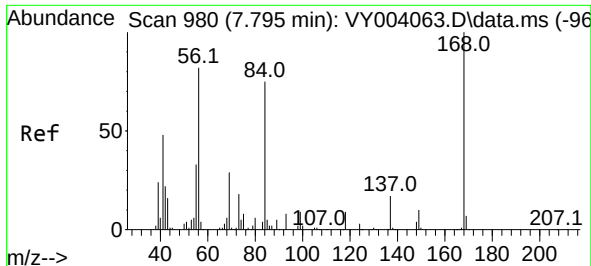
Tgt Ion: 43 Resp: 24754
Ion Ratio Lower Upper
43 100
72 26.6 19.4 29.0



#27
cis-1,2-Dichloroethene
Concen: 1.29 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.001 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

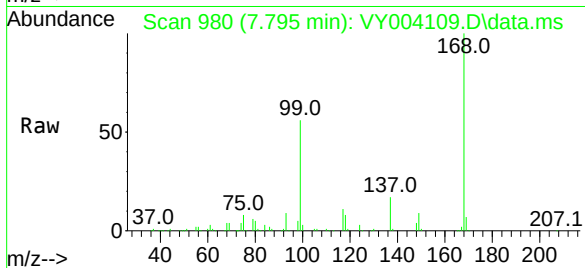
Tgt Ion: 96 Resp: 2711
Ion Ratio Lower Upper
96 100
61 112.8 0.0 303.6
98 68.6 0.0 130.6



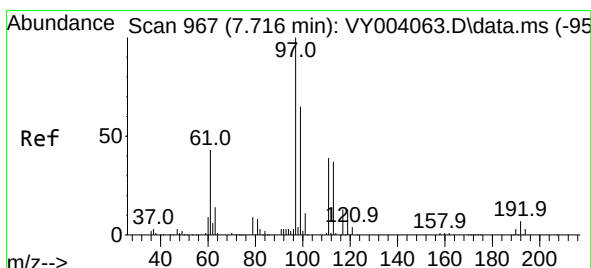
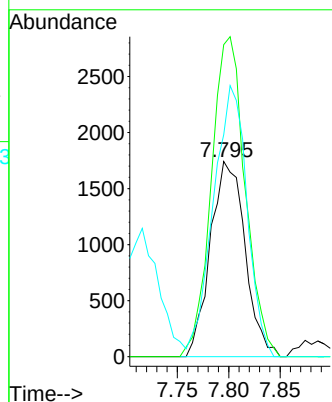
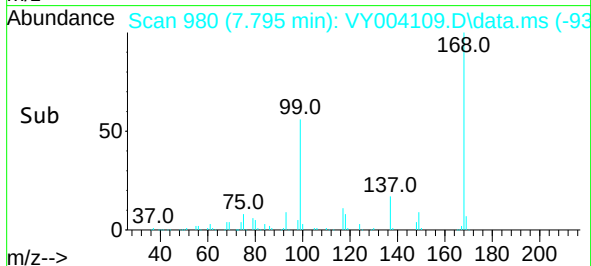


#31
Cyclohexane
Concen: 1.26 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

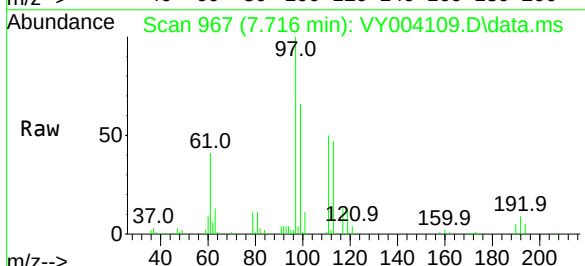
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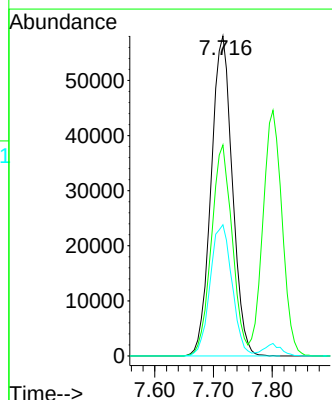
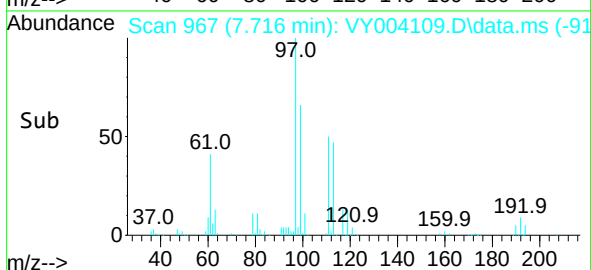
Tgt Ion: 56 Resp: 4088
Ion Ratio Lower Upper
56 100
69 159.8 25.3 37.9#
84 113.7 67.3 100.9#

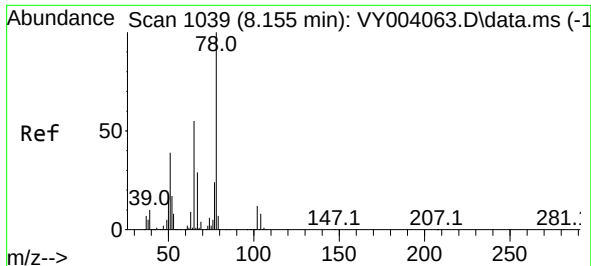


#32
1,1,1-Trichloroethane
Concen: 47.54 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30



Tgt Ion: 97 Resp: 145854
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.6
61 42.3 34.5 51.7

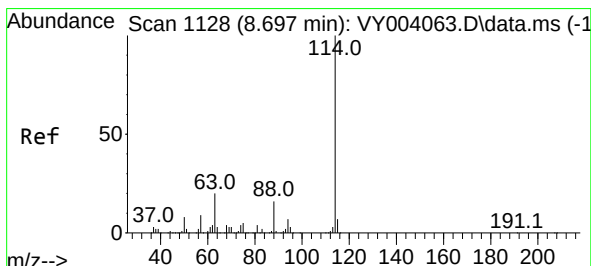
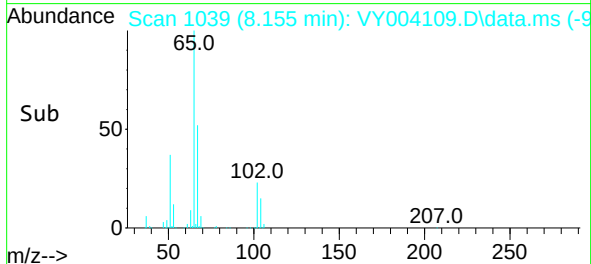
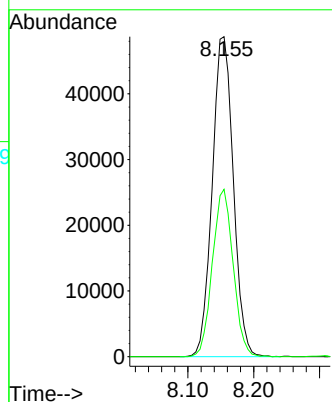
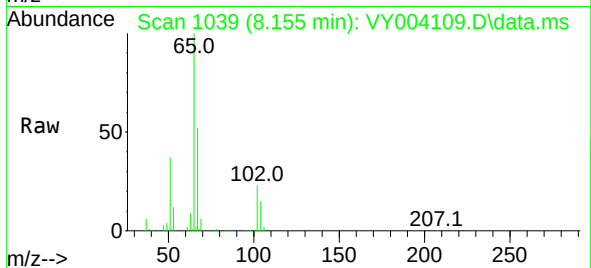




#33
1,2-Dichloroethane-d4
Concen: 58.81 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

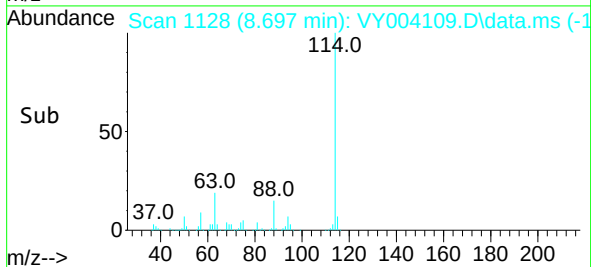
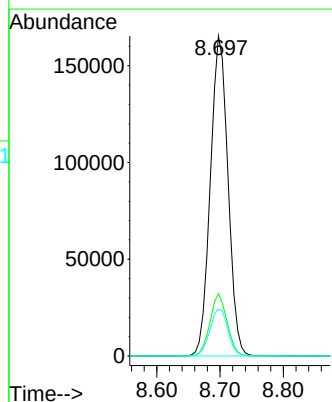
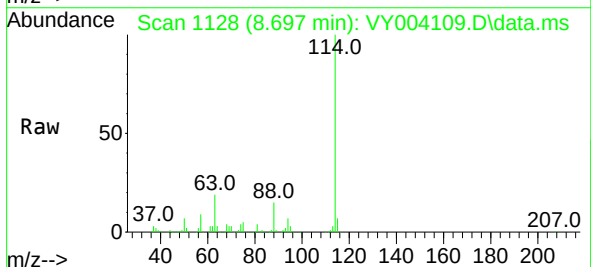
Instrument :
MSVOA_Y
ClientSampled :

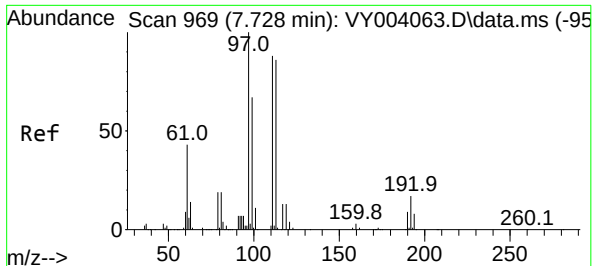
Tgt Ion: 65 Resp: 108684
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

Tgt Ion:114 Resp: 319682
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.6
88 14.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.92 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY004109.D

Acq: 17 Mar 2021 17:30

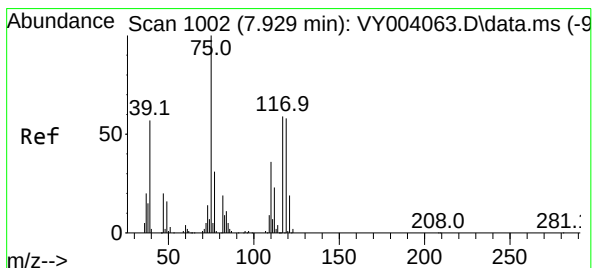
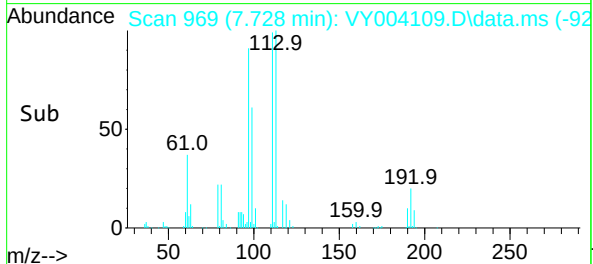
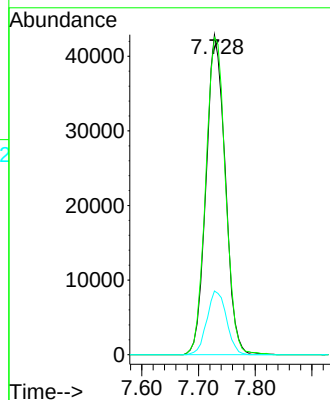
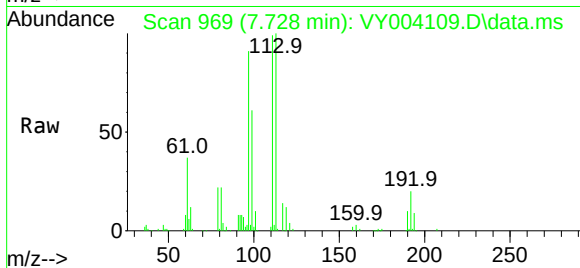
Tgt Ion:113 Resp: 100806

Ion Ratio Lower Upper

113 100

111 101.9 83.2 124.8

192 20.3 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: VY004109.D

Acq: 17 Mar 2021 17:30

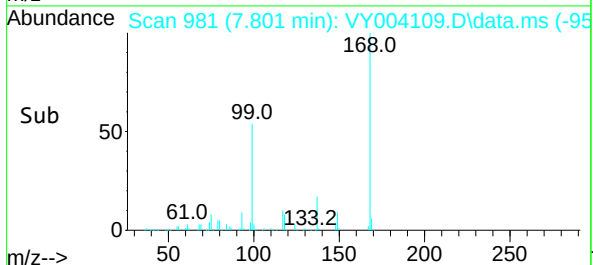
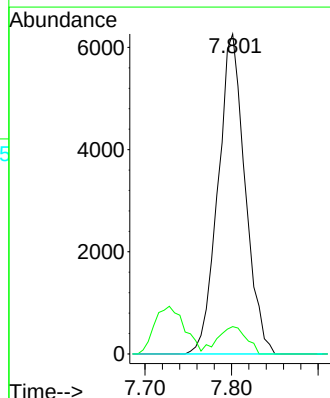
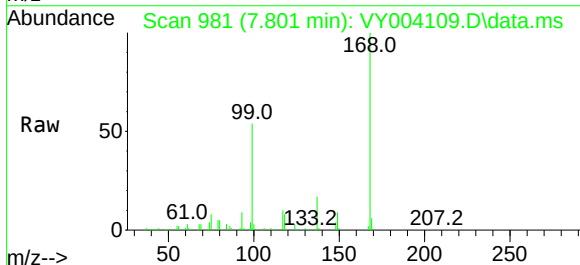
Tgt Ion: 75 Resp: 13536

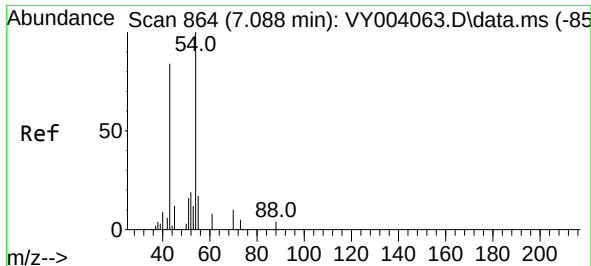
Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.3#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 16.36 ug/l

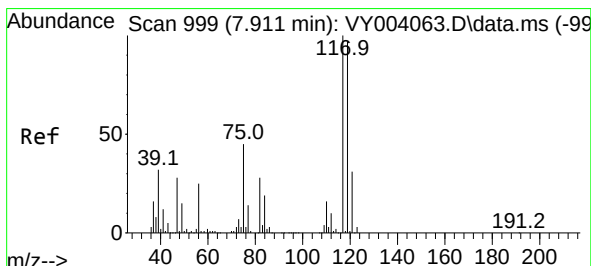
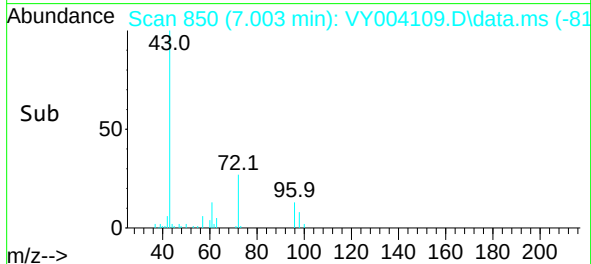
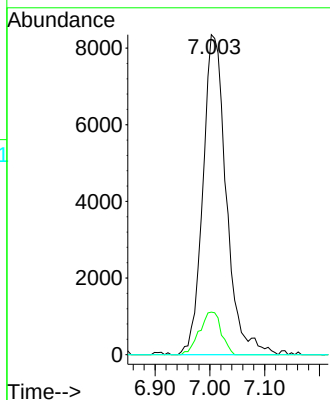
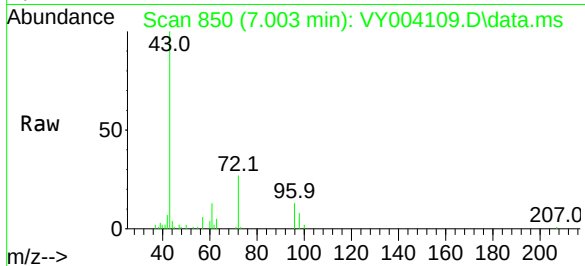
RT: 7.003 min Scan# 850

Delta R.T. -0.085 min

Lab File: VY004109.D

Acq: 17 Mar 2021 17:30

Tgt Ion:	43	Resp:	24754
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.7	16.1
70	0.0	7.7	11.5#



#38

Carbon Tetrachloride

Concen: 6.08 ug/l

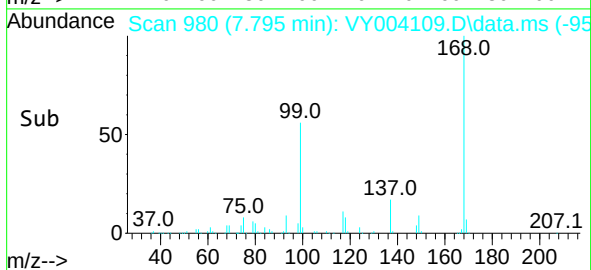
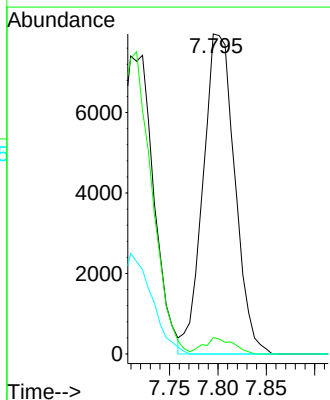
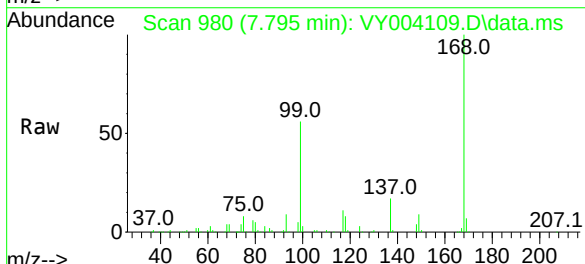
RT: 7.795 min Scan# 980

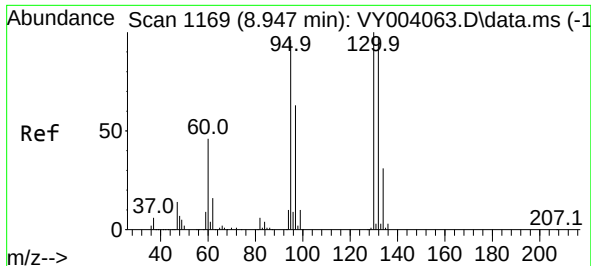
Delta R.T. -0.116 min

Lab File: VY004109.D

Acq: 17 Mar 2021 17:30

Tgt Ion:	117	Resp:	18126
Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.4	113.0#
121	0.0	24.2	36.2#

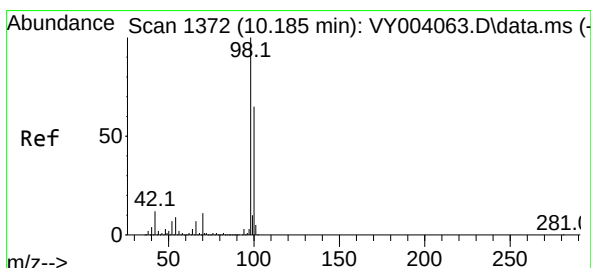
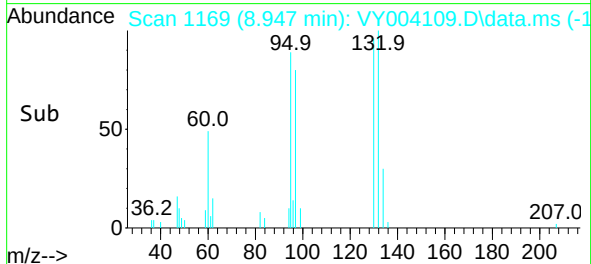
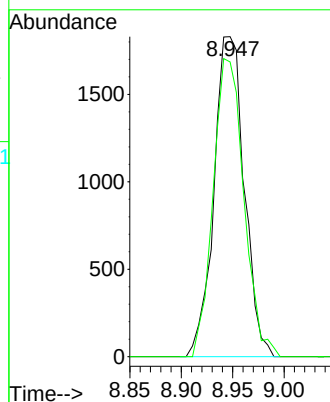
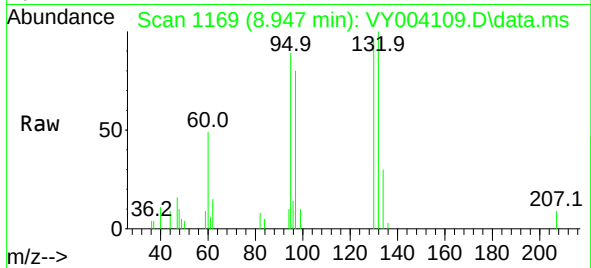




#44
Trichloroethene
Concen: 1.64 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

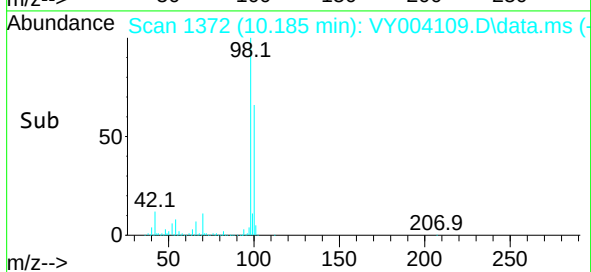
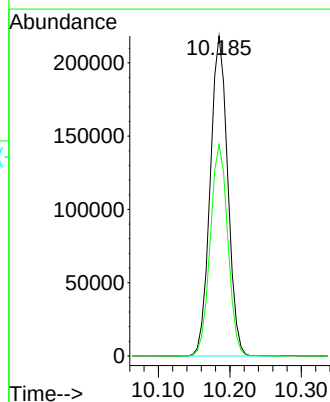
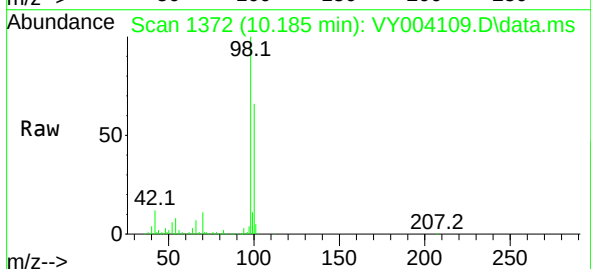
Instrument :
MSVOA_Y
ClientSampled :

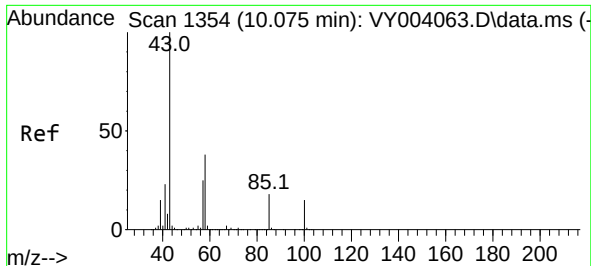
Tgt Ion:130 Resp: 3747
Ion Ratio Lower Upper
130 100
95 92.1 0.0 188.0



#50
Toluene-d8
Concen: 52.46 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

Tgt Ion: 98 Resp: 370790
Ion Ratio Lower Upper
98 100
100 66.2 51.8 77.6

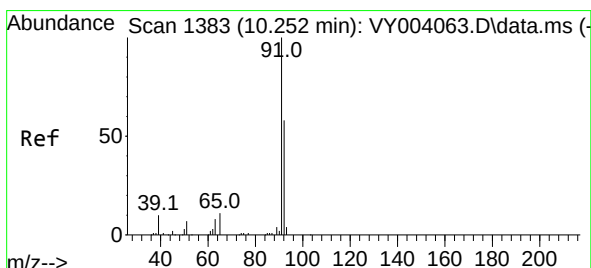
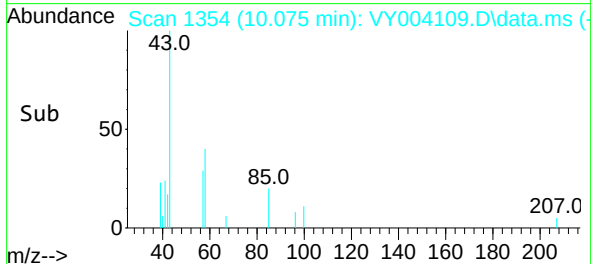
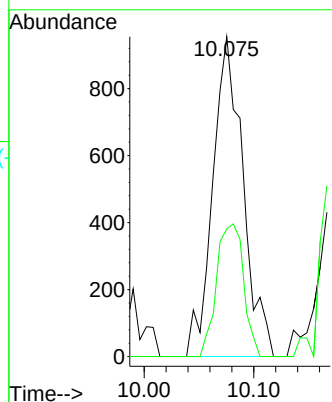
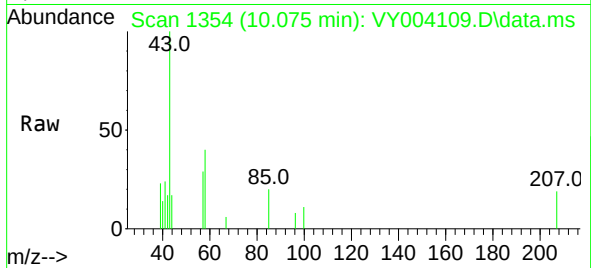




#51
4-Methyl-2-Pentanone
Concen: 1.19 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

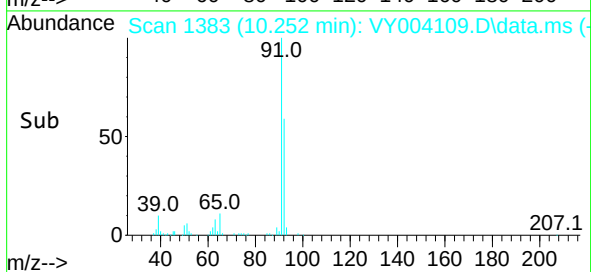
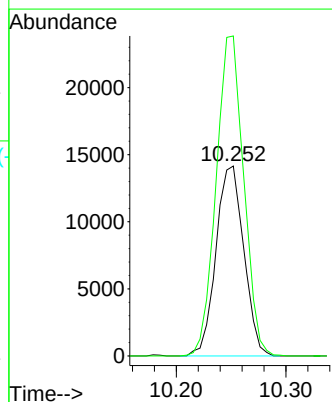
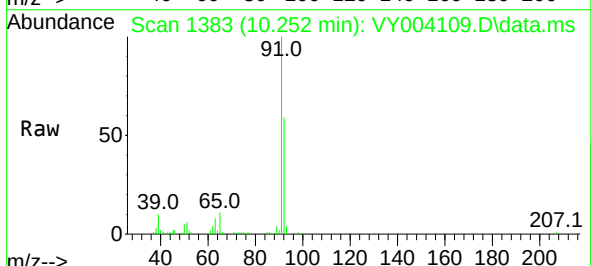
Instrument :
MSVOA_Y
ClientSampled :

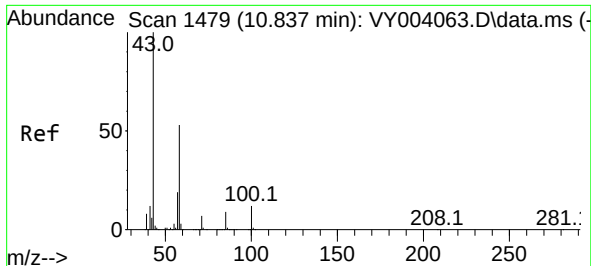
Tgt Ion: 43 Resp: 1833
Ion Ratio Lower Upper
43 100
58 36.9 29.8 44.8



#52
Toluene
Concen: 4.87 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

Tgt Ion: 92 Resp: 24976
Ion Ratio Lower Upper
92 100
91 167.2 141.0 211.4

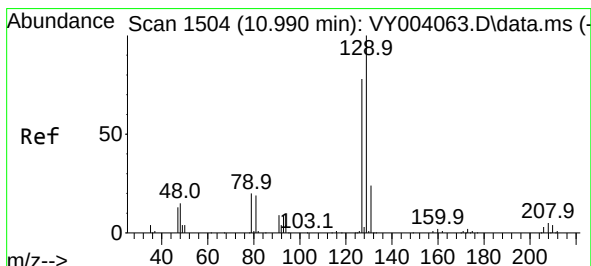
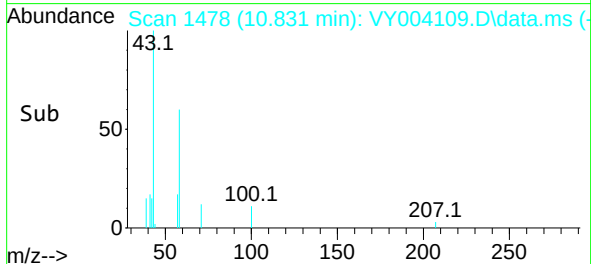
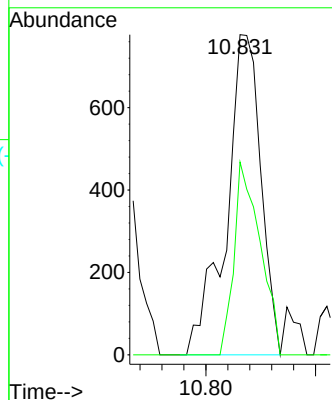
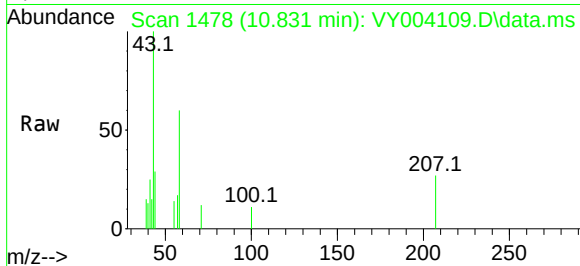




#59
2-Hexanone
Concen: 1.58 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.006 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

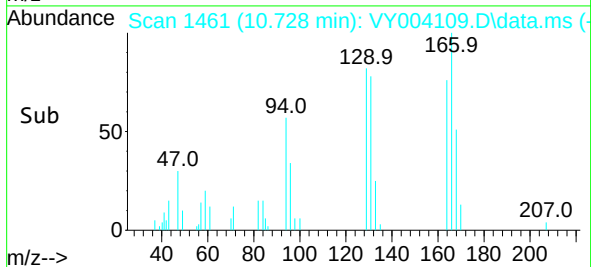
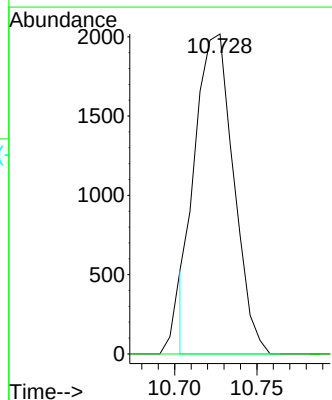
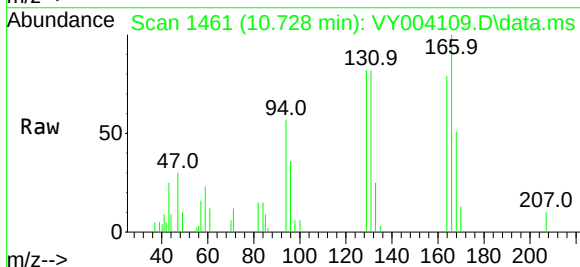
Instrument :
MSVOA_Y
ClientSampleId :

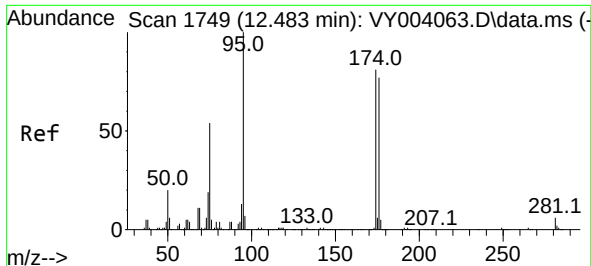
Tgt Ion: 43 Resp: 1703
Ion Ratio Lower Upper
43 100
58 45.3 26.5 79.4



#60
Dibromochloromethane
Concen: 1.64 ug/l
RT: 10.728 min Scan# 1461
Delta R.T. -0.262 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

Tgt Ion: 129 Resp: 3277
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

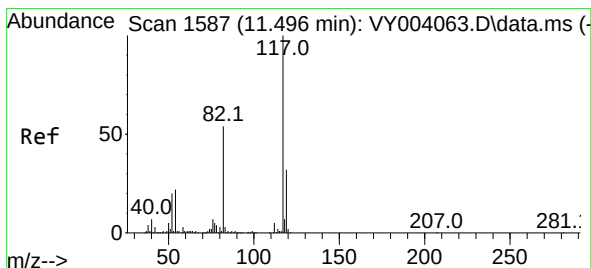
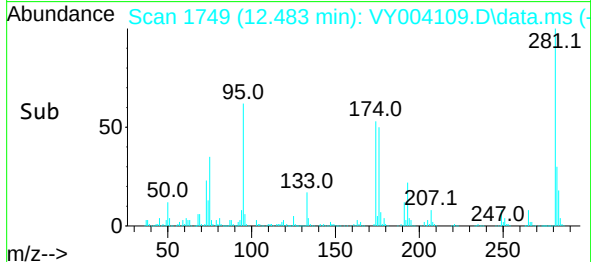
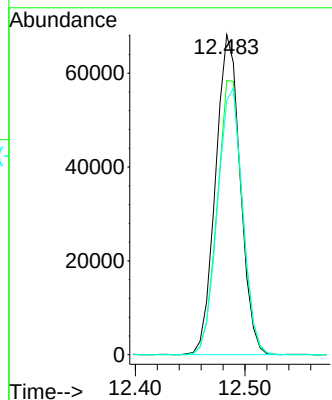
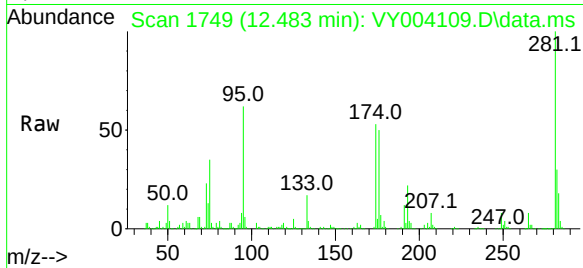




#62
4-Bromofluorobenzene
Concen: 40.79 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

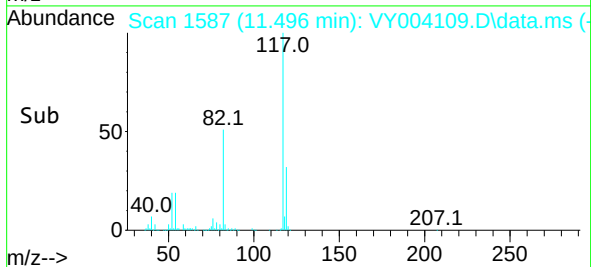
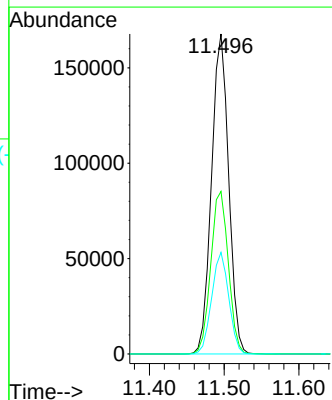
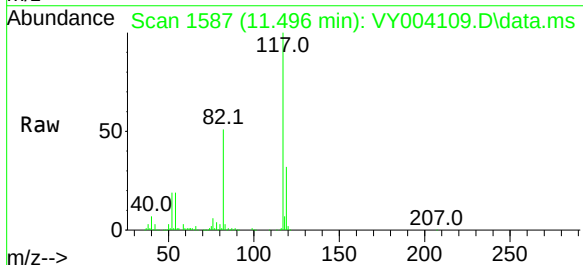
Instrument :
MSVOA_Y
ClientSampleId :

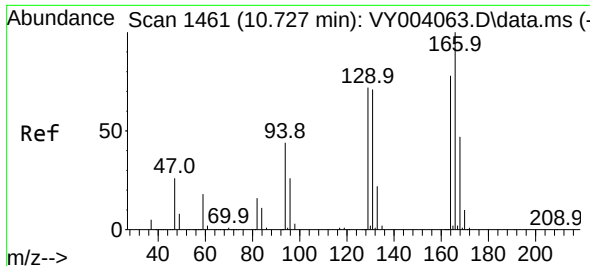
Tgt Ion: 95 Resp: 106463
Ion Ratio Lower Upper
95 100
174 87.0 0.0 179.0
176 85.0 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

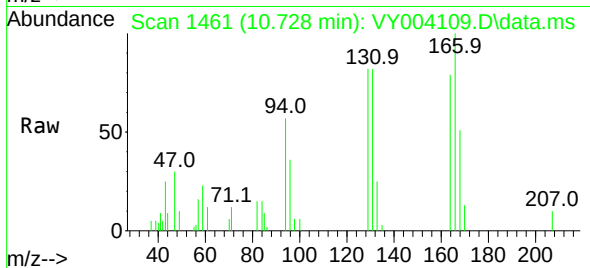
Tgt Ion: 117 Resp: 266817
Ion Ratio Lower Upper
117 100
82 50.8 43.8 65.6
119 31.8 26.2 39.2



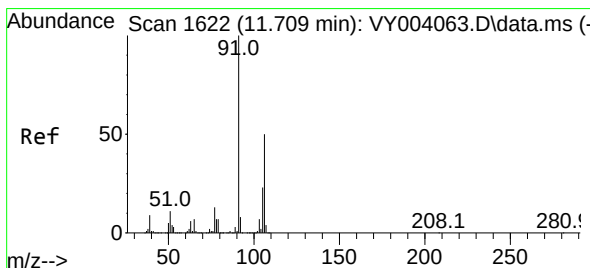
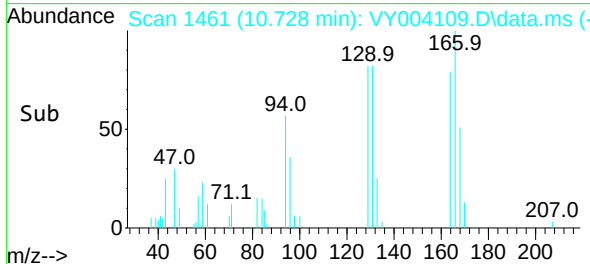
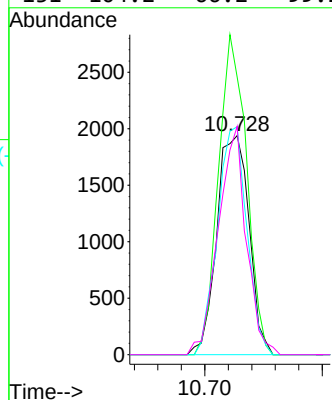


#64
Tetrachloroethene
Concen: 1.65 ug/l
RT: 10.728 min Scan# 1461
Delta R.T. 0.001 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

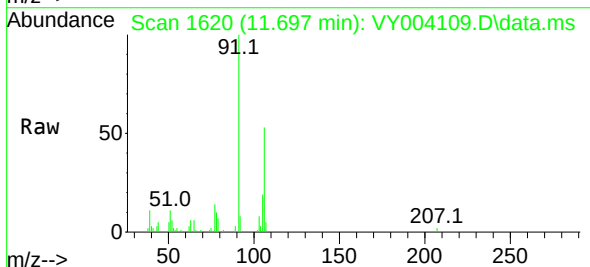
Instrument :
MSVOA_Y
ClientSampleId :



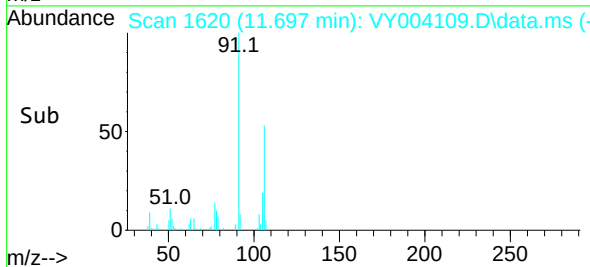
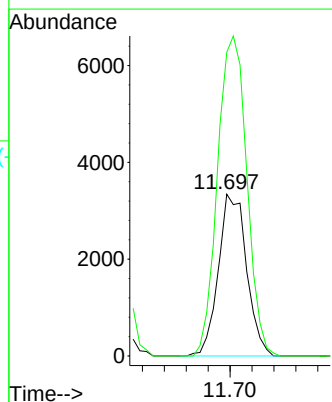
Tgt Ion:164 Resp: 3690
Ion Ratio Lower Upper
164 100
166 126.8 102.7 154.1
129 104.1 70.6 105.8
131 104.2 66.2 99.2#

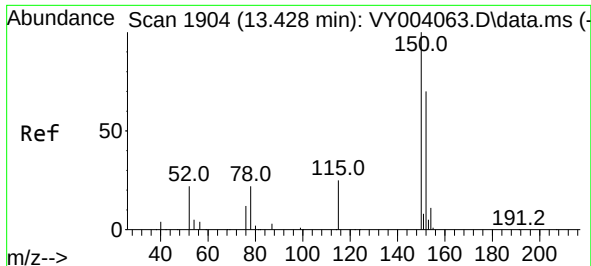


#68
m/p-Xylenes
Concen: 1.67 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.012 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30



Tgt Ion:106 Resp: 5968
Ion Ratio Lower Upper
106 100
91 205.3 165.4 248.0

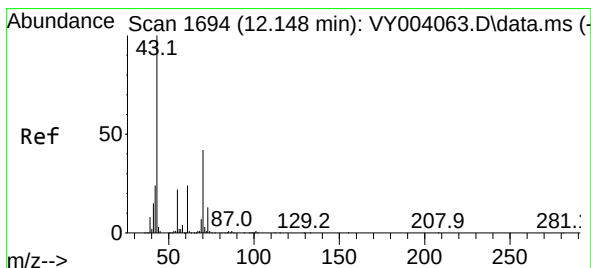
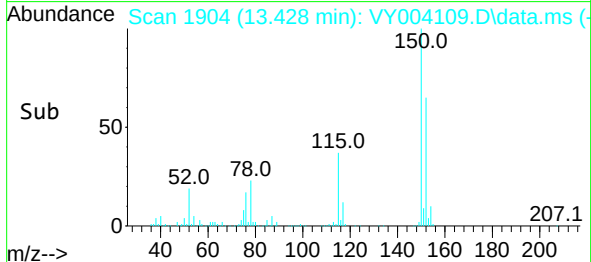
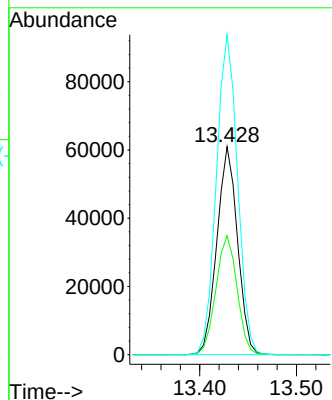
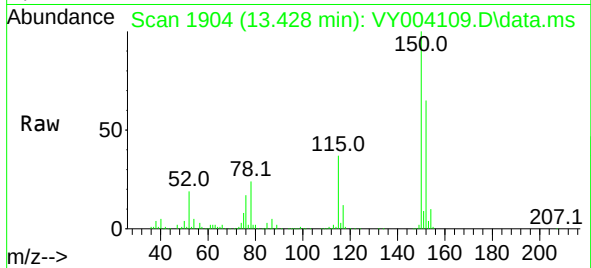




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

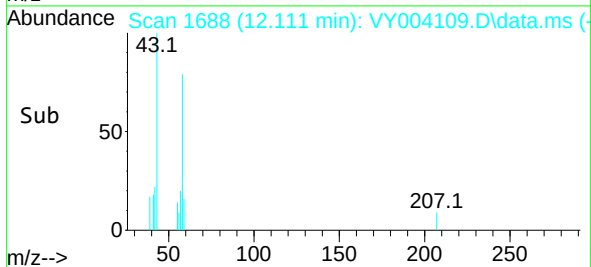
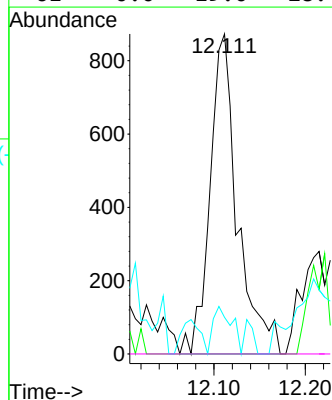
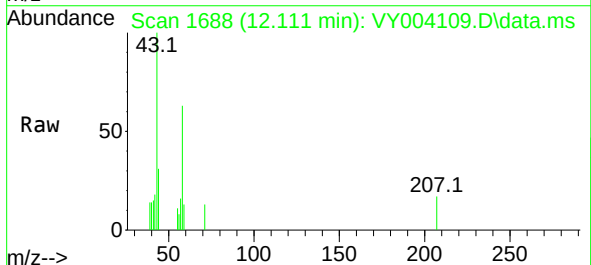
Instrument :
MSVOA_Y
ClientSampled :

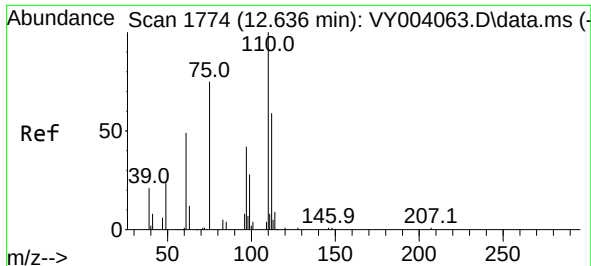
Tgt Ion:152 Resp: 90234
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.6
150 157.7 0.0 347.2



#74
N-ethyl acetate
Concen: 1.01 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.037 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

Tgt Ion: 43 Resp: 1819
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 10.1 18.4 27.6#
61 0.0 19.0 28.4#

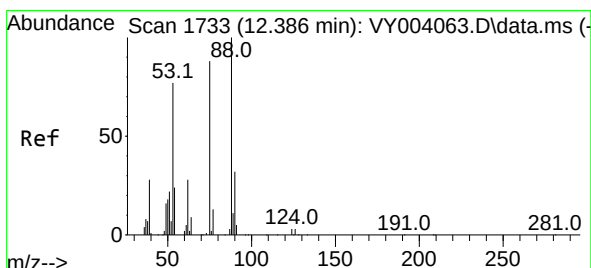
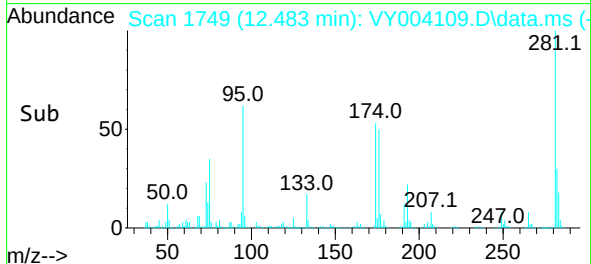
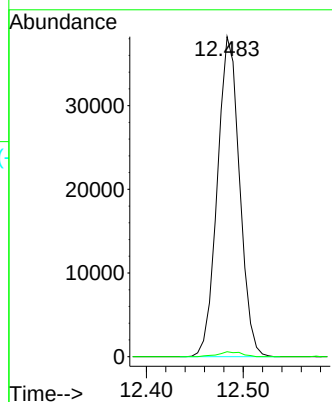
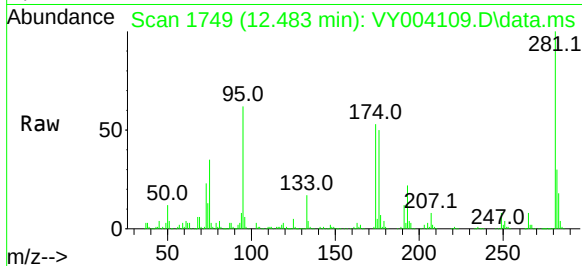




#76
1,2,3-Trichloropropane
Concen: 70.49 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

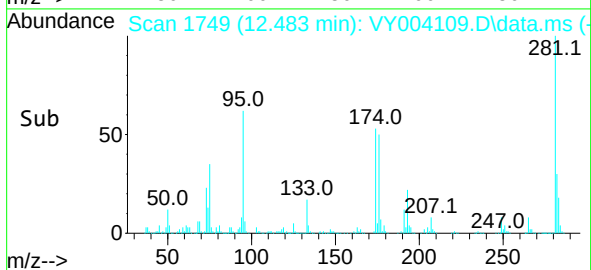
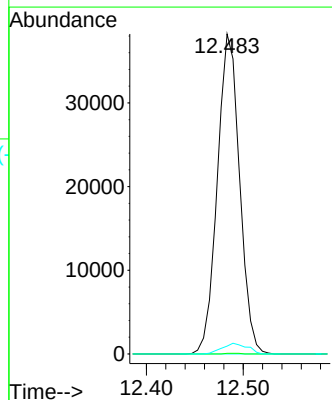
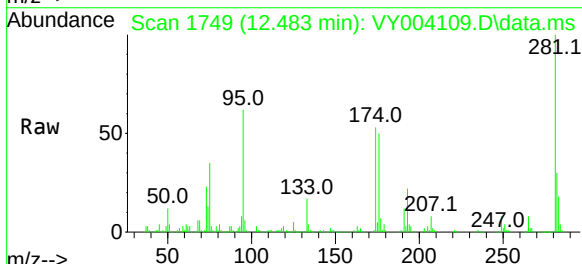
Instrument :
MSVOA_Y
ClientSampled :

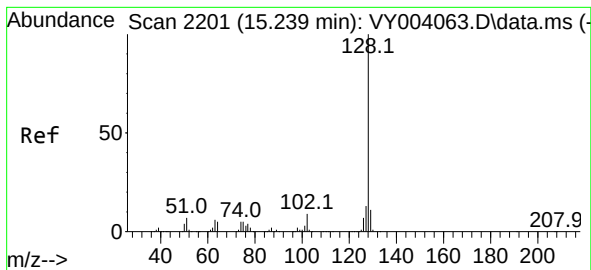
Tgt Ion: 75 Resp: 60988
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.12 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

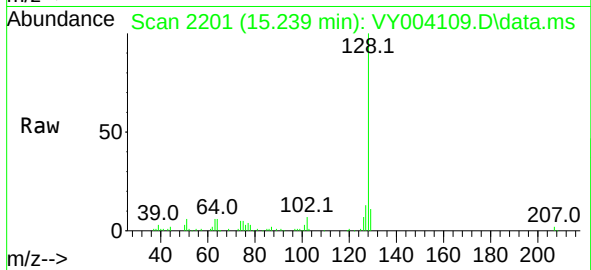
Tgt Ion: 75 Resp: 60988
Ion Ratio Lower Upper
75 100
53 0.1 73.5 110.3#
89 3.8 35.7 53.5#





#95
Naphthalene
Concen: 8.28 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004109.D
Acq: 17 Mar 2021 17:30

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 27593
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 11.0 8.7 13.1

