

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004395.D
 Acq On : 12 Apr 2021 19:33
 Operator : SY/MD
 Sample : M2015-01
 Misc : 7.06G/5ML/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-041221

Quant Time: Apr 13 03:58:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

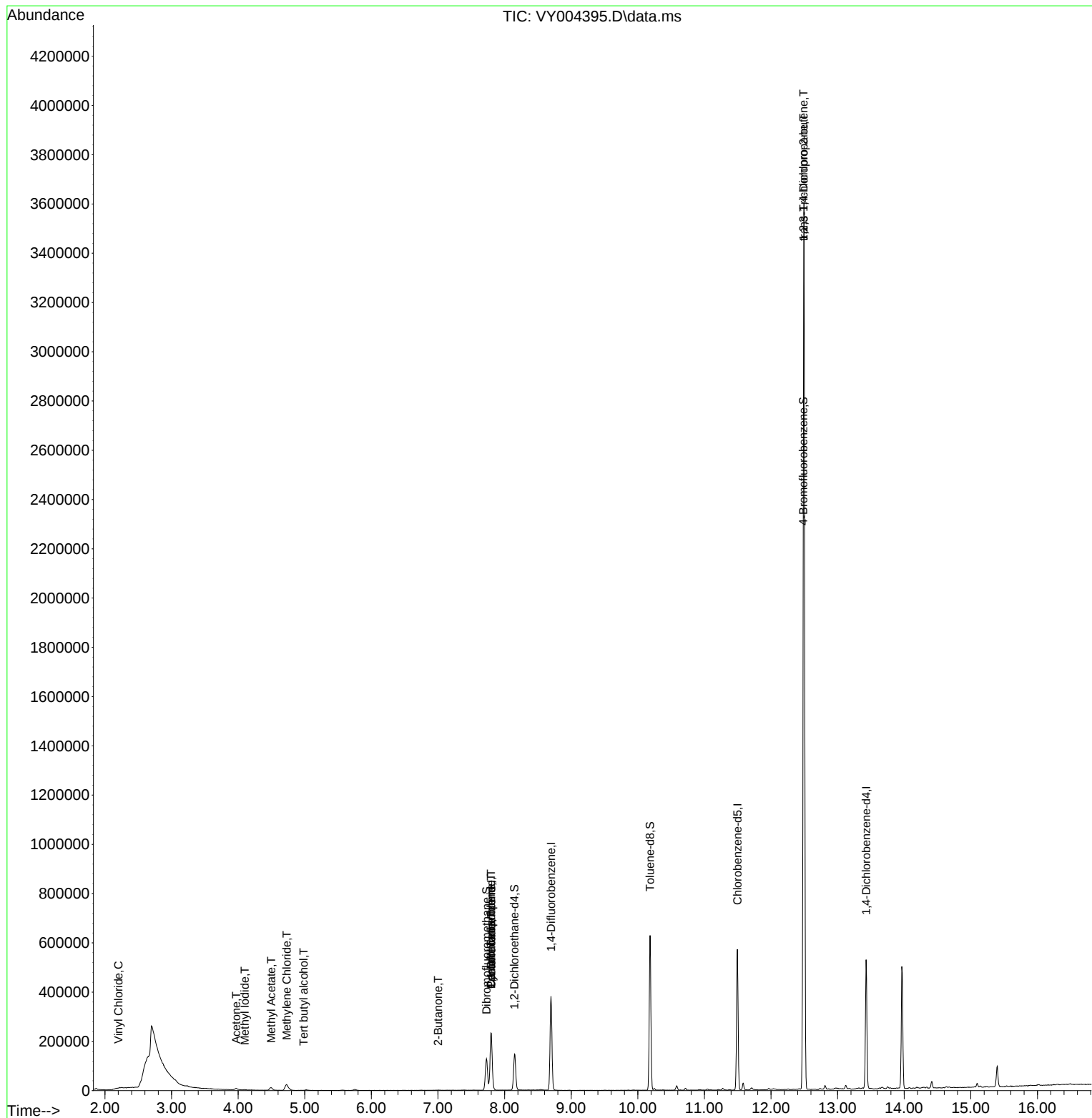
Internal Standards						
1) Pentafluorobenzene	7.801	168	180838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	317213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	289824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125608	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	115457	57.46	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.92%			
35) Dibromofluoromethane	7.728	113	89613	50.91	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.82%			
50) Toluene-d8	10.185	98	387772	51.79	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.58%			
62) 4-Bromofluorobenzene	12.483	95	142309	56.01	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.02%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.204	62	4500	1.76	ug/l #	43
10) Methyl Iodide	4.101	142	2578	1.21	ug/l	96
11) Tert butyl alcohol	4.984	59	355	1.79	ug/l #	73
16) Acetone	3.972	43	10725	6.41	ug/l	89
18) Methyl Acetate	4.497	43	23256	16.62	ug/l	98
20) Methylene Chloride	4.728	84	16921	8.72	ug/l	97
25) 2-Butanone	7.002	43	2090	2.73	ug/l #	82
31) Cyclohexane	7.801	56	4131	1.12	ug/l #	9
36) 1,1-Dichloropropene	7.795	75	14597	4.63	ug/l #	50
38) Carbon Tetrachloride	7.795	117	17873	6.56	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	103532	76.80	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	103532	137.38	ug/l #	17

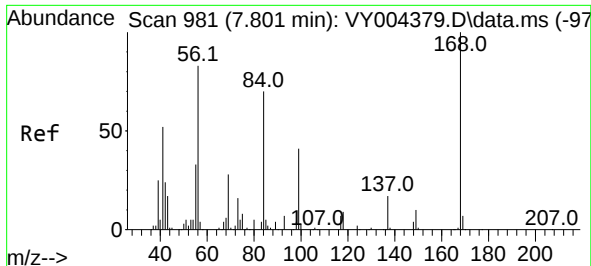
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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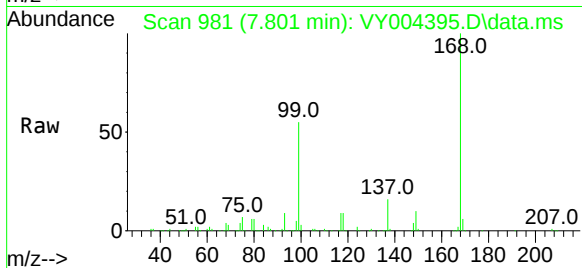
Quant Time: Apr 13 03:58:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
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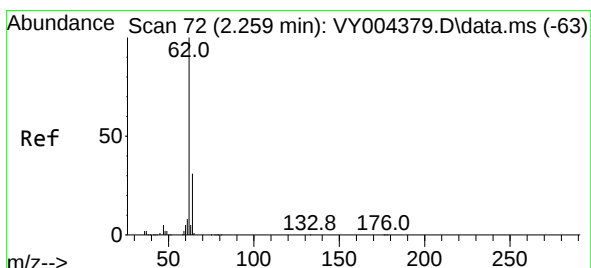
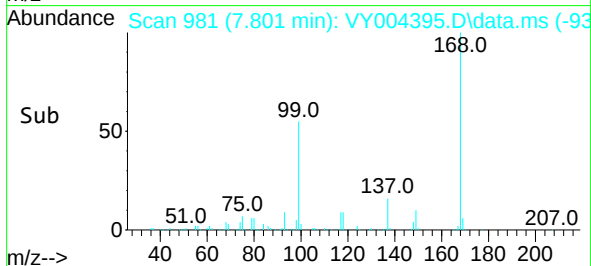
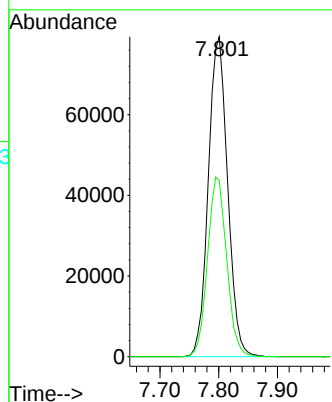


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

Instrument :
MSVOA_Y
ClientSampled :
CL-02-041221

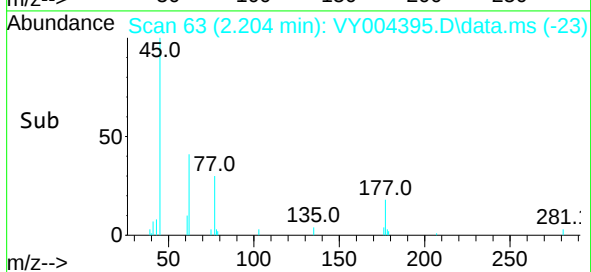
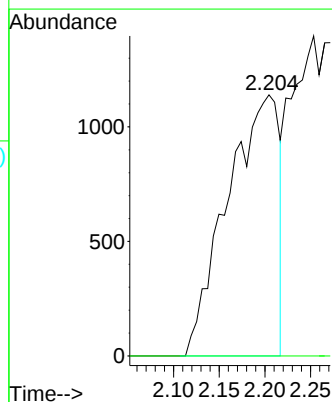
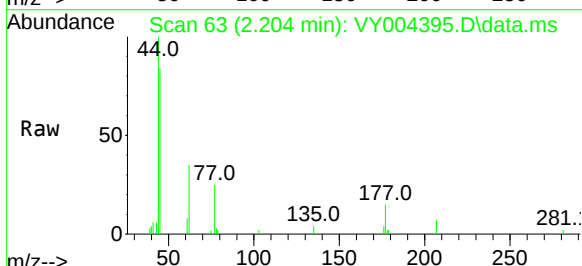


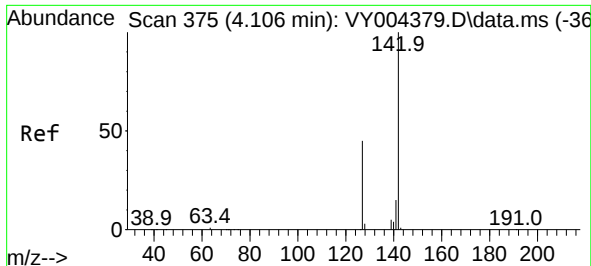
Tgt Ion:168 Resp: 180838
Ion Ratio Lower Upper
168 100
99 55.1 45.5 68.3



#4
Vinyl Chloride
Concen: 1.76 ug/l
RT: 2.204 min Scan# 63
Delta R.T. -0.055 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

Tgt Ion: 62 Resp: 4500
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#

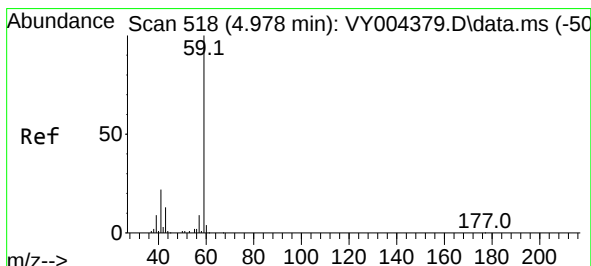
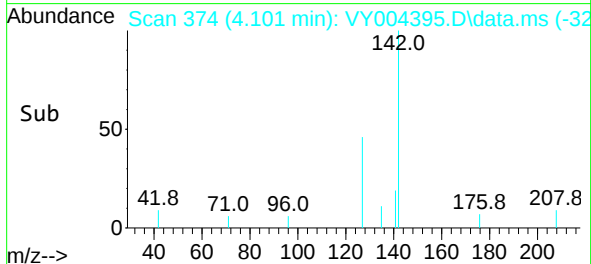
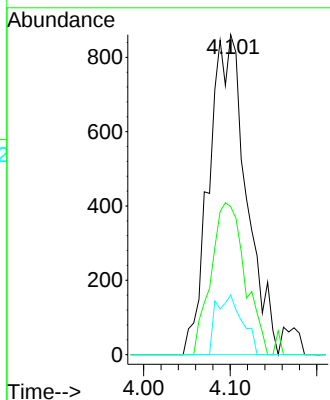
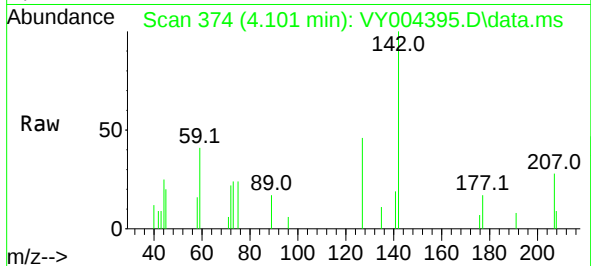




#10
Methyl Iodide
Concen: 1.21 ug/l
RT: 4.101 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

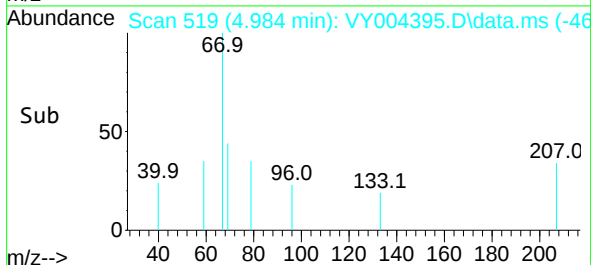
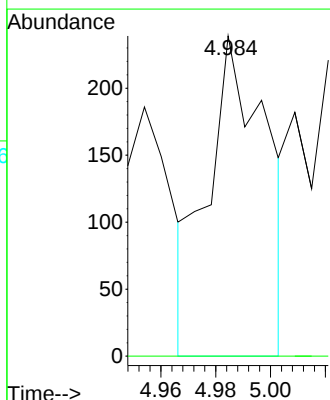
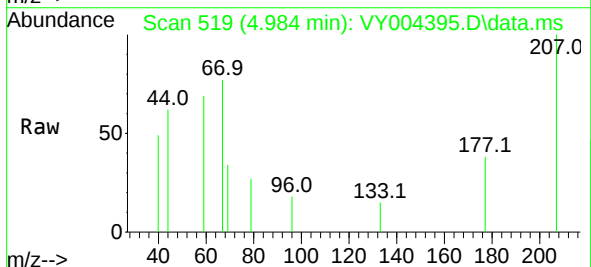
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-041221

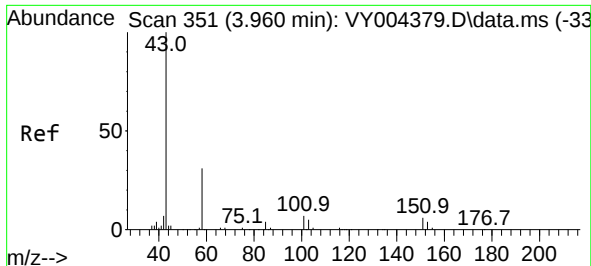
Tgt Ion:142 Resp: 2578
Ion Ratio Lower Upper
142 100
127 43.0 36.2 54.4
141 13.0 11.6 17.4



#11
Tert butyl alcohol
Concen: 1.79 ug/l
RT: 4.984 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

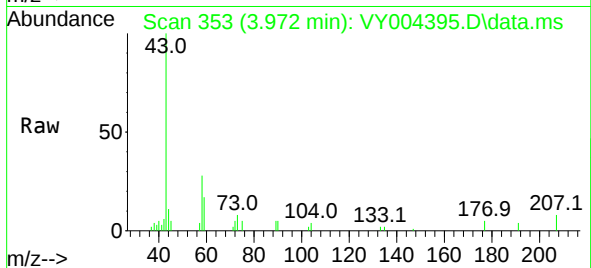
Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



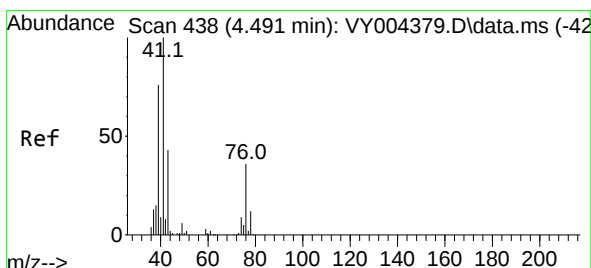
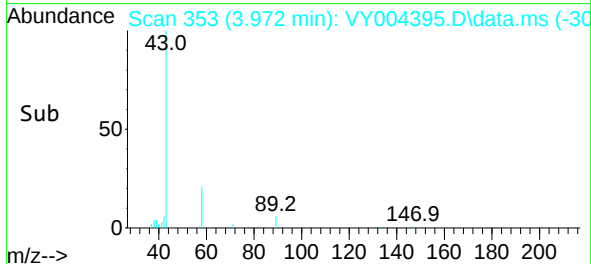
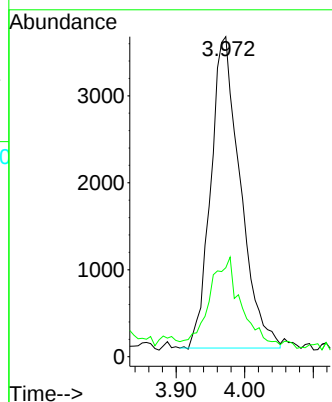


#16
Acetone
Concen: 6.41 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

Instrument :
MSVOA_Y
ClientSampled :
CL-02-041221

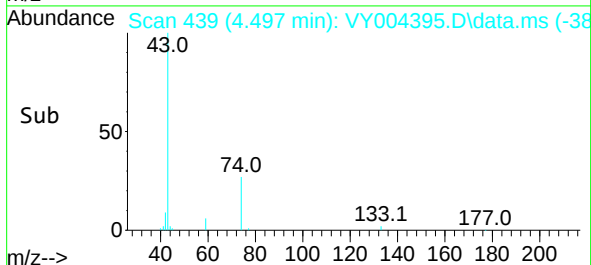
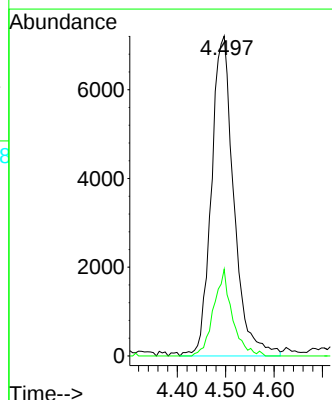
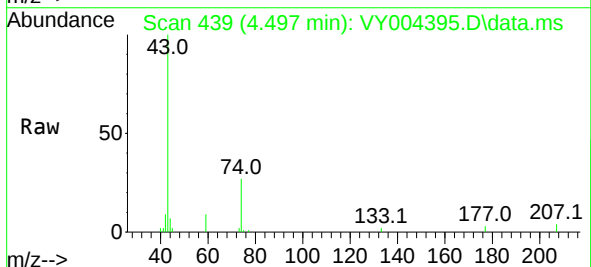


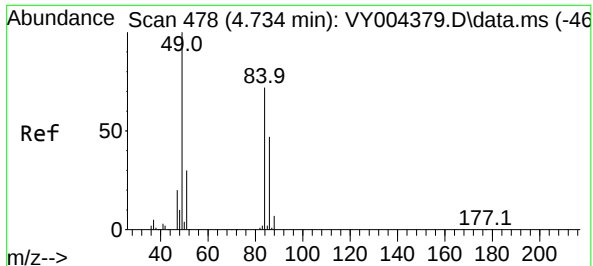
Tgt Ion: 43 Resp: 10725
Ion Ratio Lower Upper
43 100
58 24.7 24.6 37.0



#18
Methyl Acetate
Concen: 16.62 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

Tgt Ion: 43 Resp: 23256
Ion Ratio Lower Upper
43 100
74 22.5 17.2 25.8





#20

Methylene Chloride

Concen: 8.72 ug/l

RT: 4.728 min Scan# 477

Delta R.T. -0.006 min

Lab File: VY004395.D

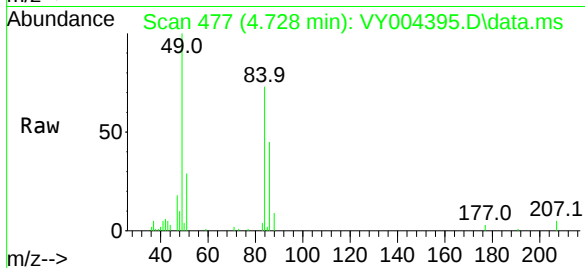
Acq: 12 Apr 2021 19:33

Instrument :

MSVOA_Y

ClientSampleId :

CL-02-041221



Tgt Ion: 84 Resp: 16921

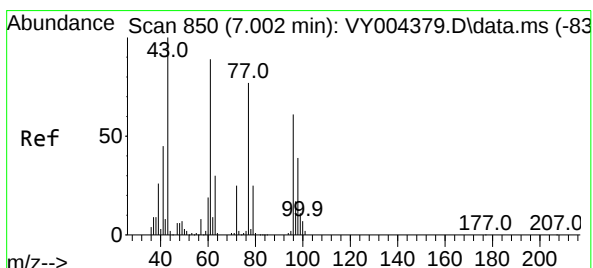
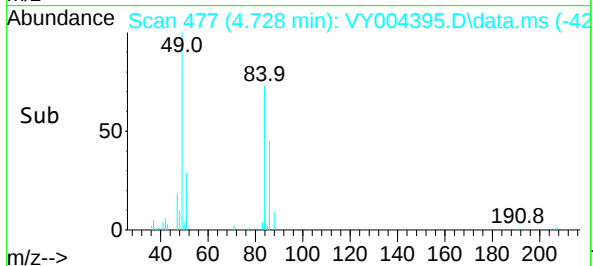
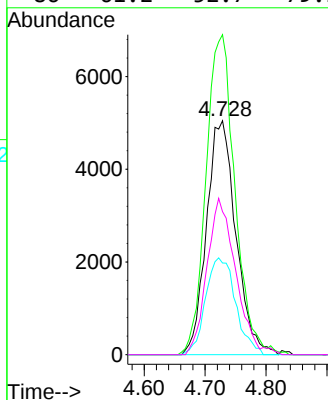
Ion Ratio Lower Upper

84 100

49 136.8 111.2 166.8

51 39.2 33.4 50.2

86 61.2 52.7 79.1



#25

2-Butanone

Concen: 2.73 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.000 min

Lab File: VY004395.D

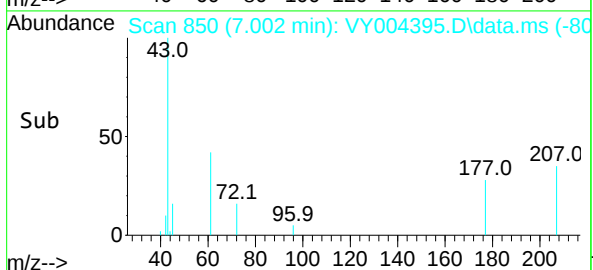
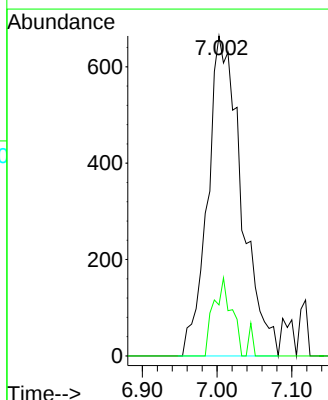
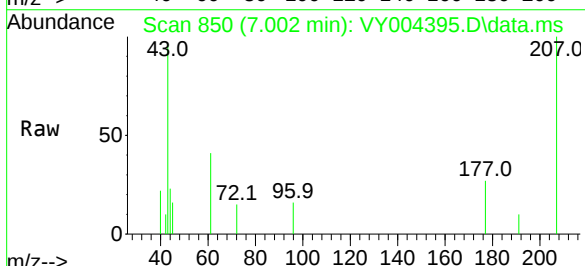
Acq: 12 Apr 2021 19:33

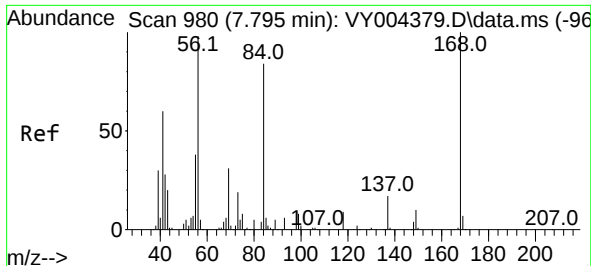
Tgt Ion: 43 Resp: 2090

Ion Ratio Lower Upper

43 100

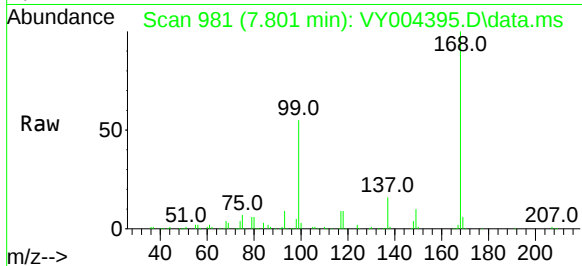
72 16.0 20.2 30.2#



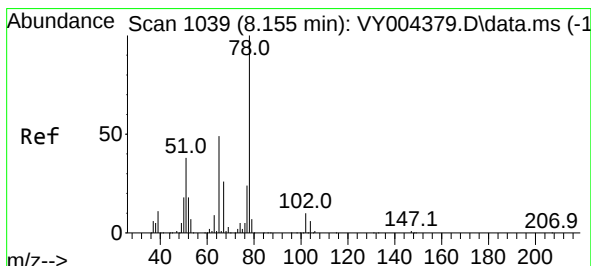
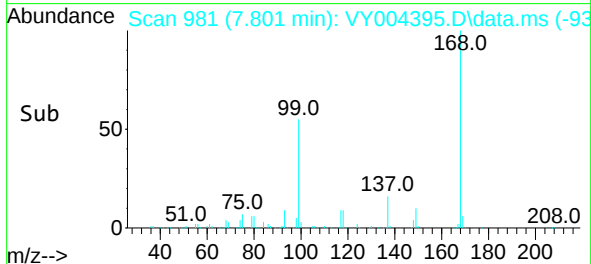
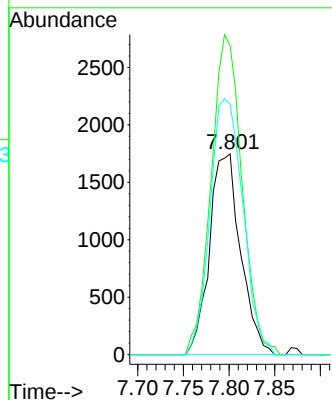


#31
Cyclohexane
Concen: 1.12 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

Instrument :
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ClientSampleId :
CL-02-041221

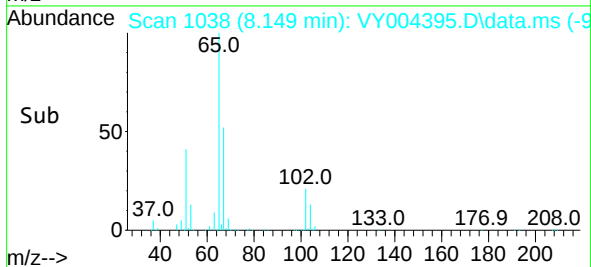
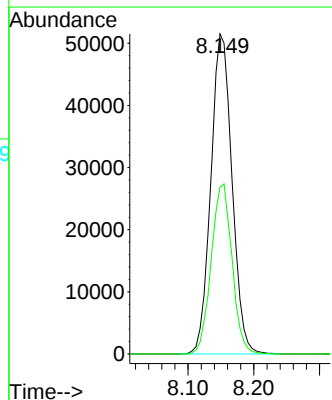
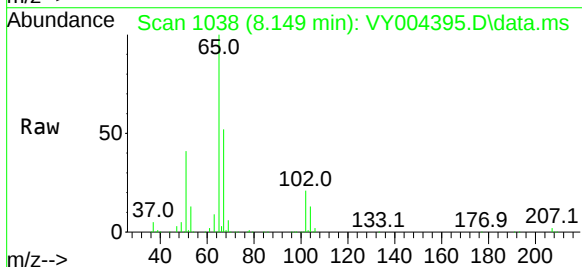


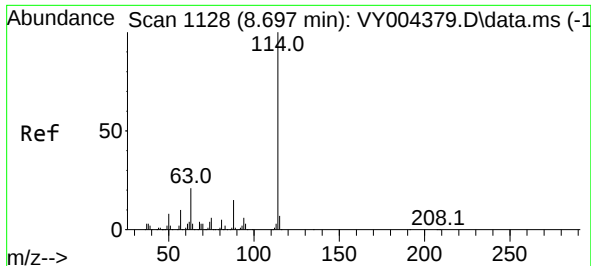
Tgt Ion: 56 Resp: 4131
Ion Ratio Lower Upper
56 100
69 153.9 25.8 38.6#
84 124.6 68.2 102.4#



#33
1,2-Dichloroethane-d4
Concen: 57.46 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

Tgt Ion: 65 Resp: 115457
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.4

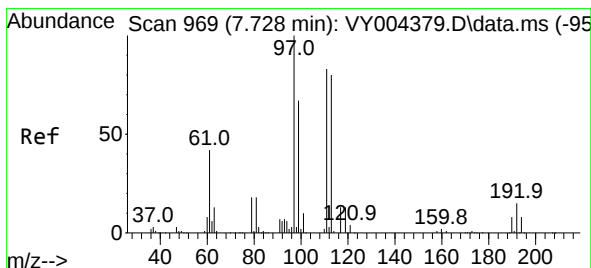
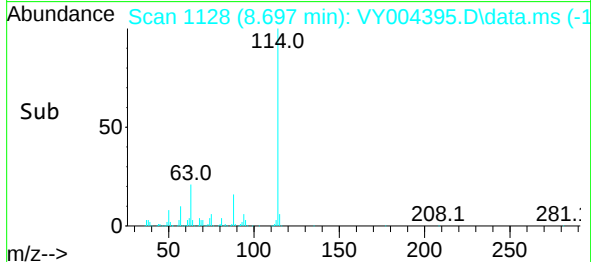
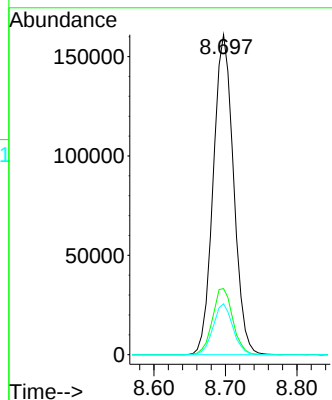
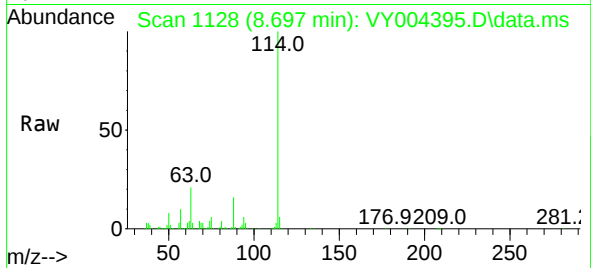




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

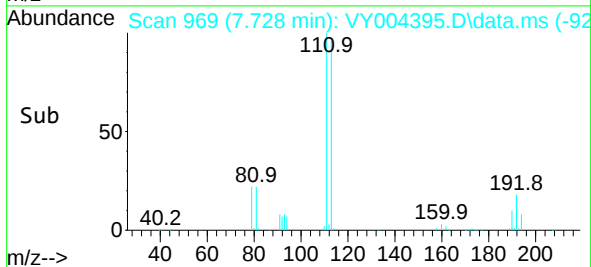
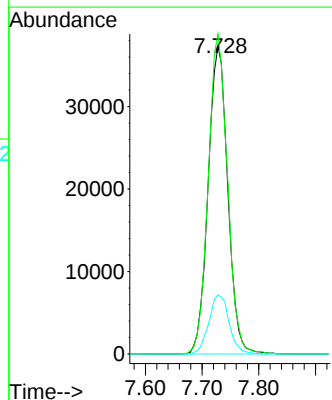
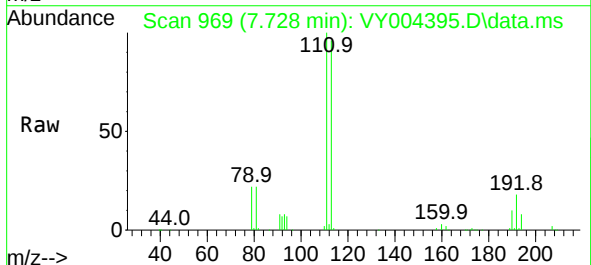
Instrument :
MSVOA_Y
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CL-02-041221

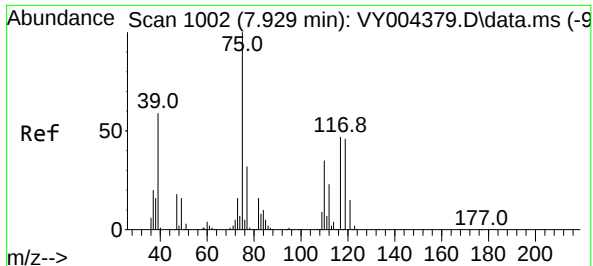
Tgt Ion:	114	Resp:	317213
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.4
88	15.9	0.0	30.8



#35
Dibromofluoromethane
Concen: 50.91 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

Tgt Ion:	113	Resp:	89613
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	19.9	16.1	24.1





#36

1,1-Dichloropropene

Concen: 4.63 ug/l

RT: 7.795 min Scan# 980

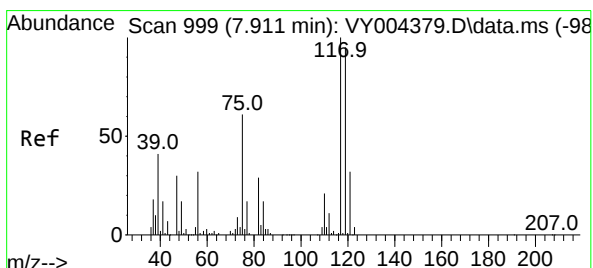
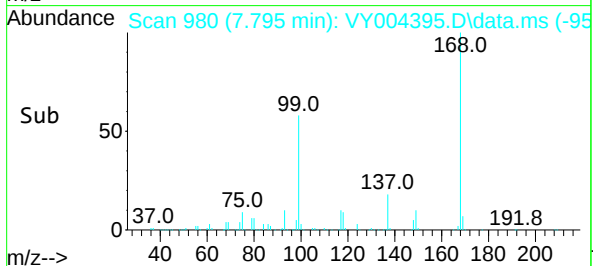
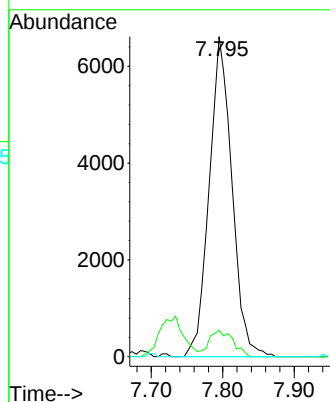
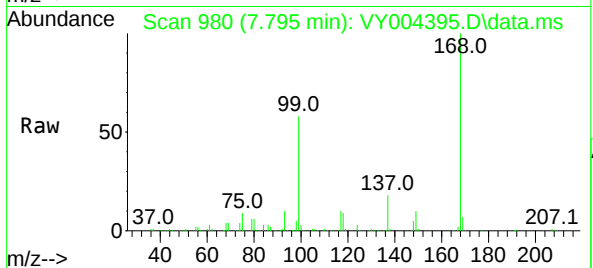
Delta R.T. -0.134 min

Lab File: VY004395.D

Acq: 12 Apr 2021 19:33

Tgt Ion: 75	Resp: 14597
Ion Ratio	Lower Upper
75 100	
110 8.7	17.3 51.7#
77 0.0	24.3 36.5#

Instrument :
MSVOA_Y
ClientSampleId :
CL-02-041221



#38

Carbon Tetrachloride

Concen: 6.56 ug/l

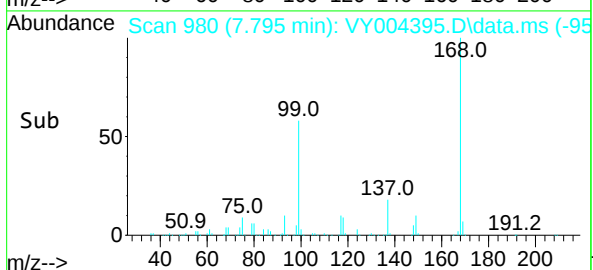
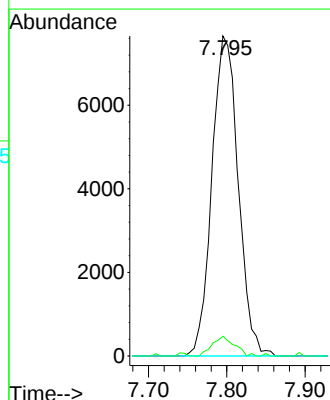
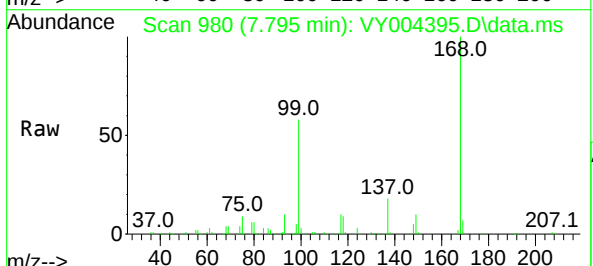
RT: 7.795 min Scan# 980

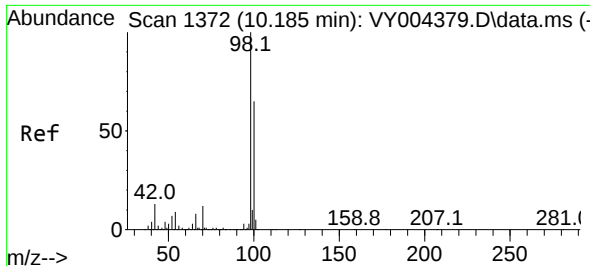
Delta R.T. -0.116 min

Lab File: VY004395.D

Acq: 12 Apr 2021 19:33

Tgt Ion: 117	Resp: 17873
Ion Ratio	Lower Upper
117 100	
119 6.1	75.8 113.8#
121 0.0	25.3 37.9#

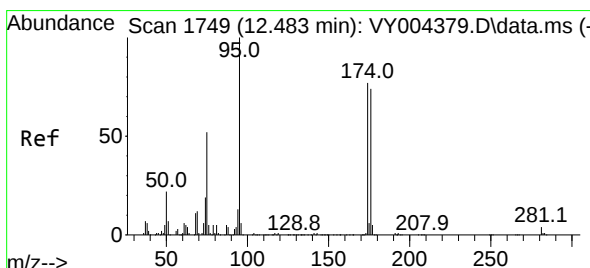
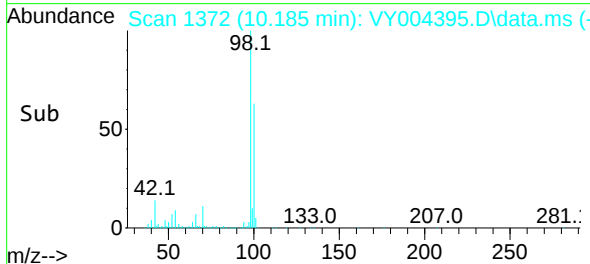
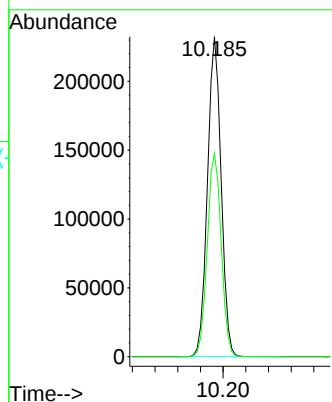
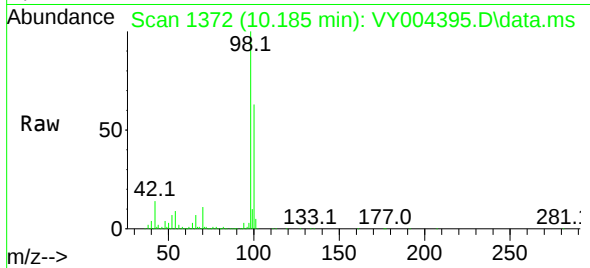




#50
Toluene-d8
Concen: 51.79 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

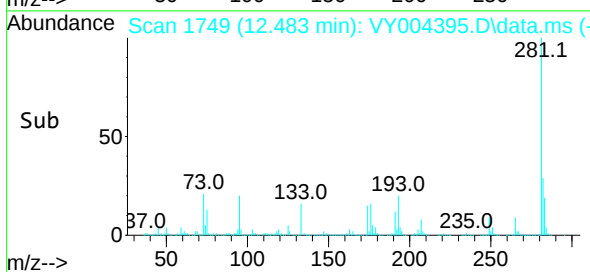
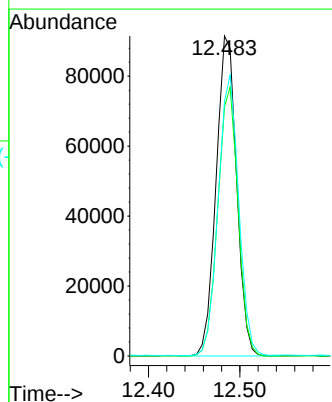
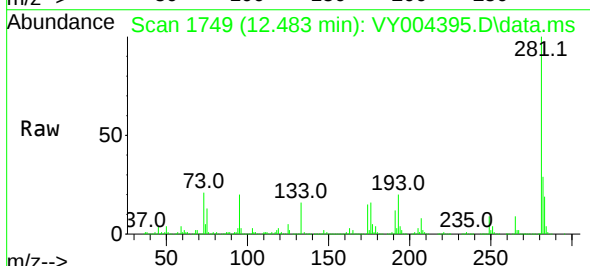
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-041221

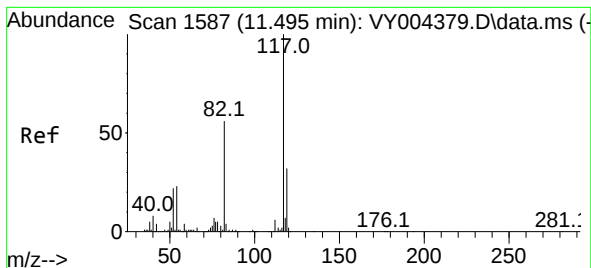
Tgt Ion: 98 Resp: 387772
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 56.01 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

Tgt Ion: 95 Resp: 142309
Ion Ratio Lower Upper
95 100
174 83.0 0.0 162.4
176 87.8 0.0 156.0

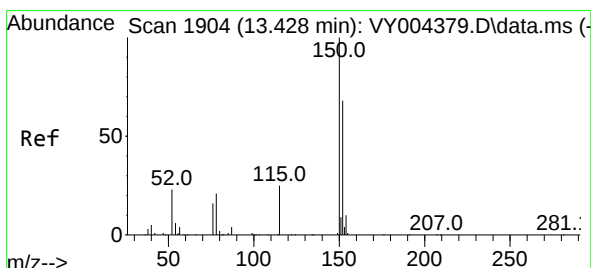
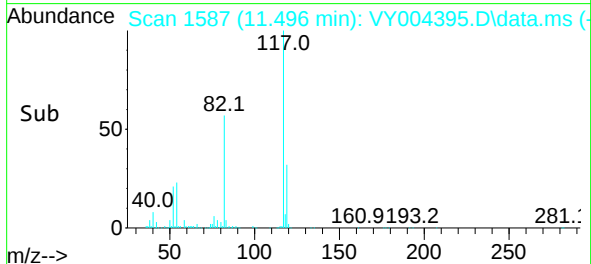
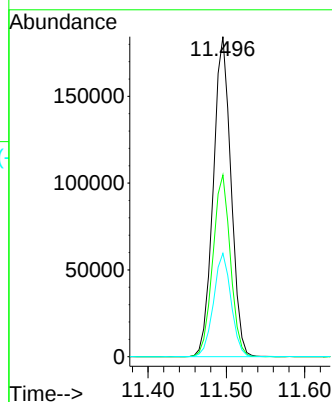
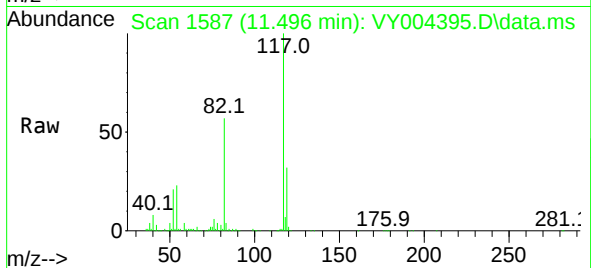




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

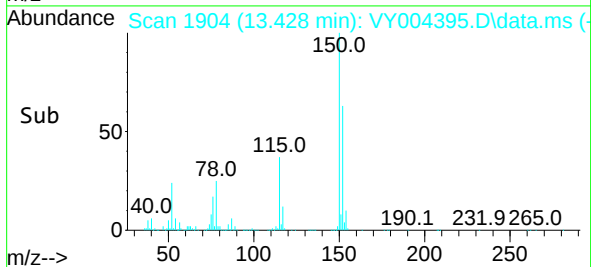
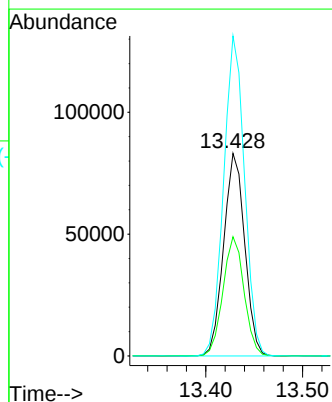
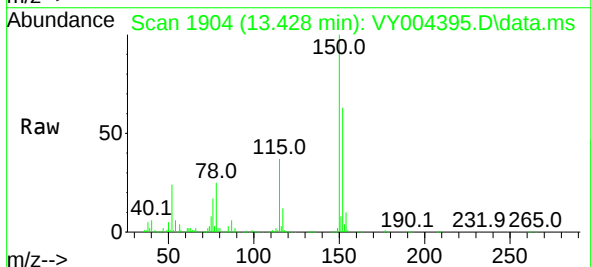
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-041221

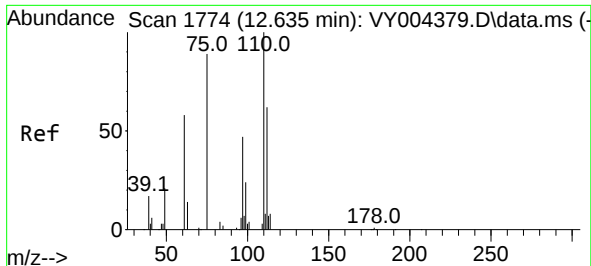
Tgt Ion:117 Resp: 289824
Ion Ratio Lower Upper
117 100
82 56.8 44.9 67.3
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

Tgt Ion:152 Resp: 125608
Ion Ratio Lower Upper
152 100
115 58.6 29.6 88.8
150 156.7 0.0 348.4

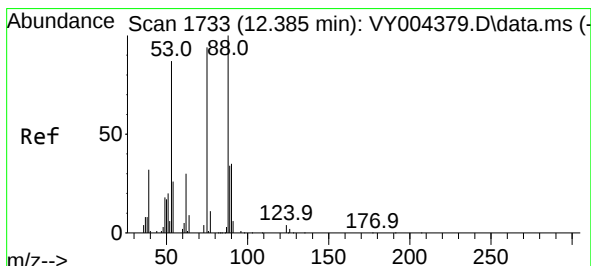
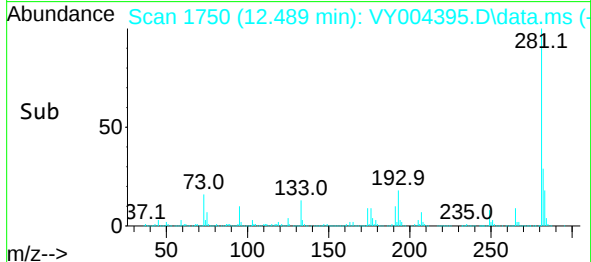
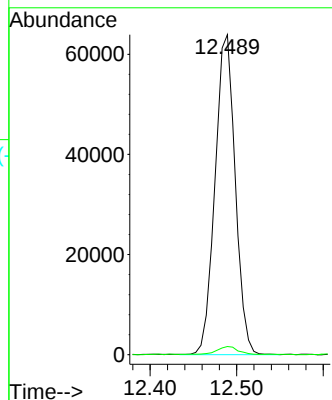
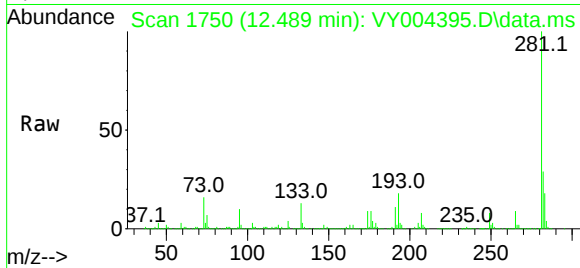




#76
1,2,3-Trichloropropane
Concen: 76.80 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

Instrument :
MSVOA_Y
ClientSampleId :
CL-02-041221

Tgt Ion: 75 Resp: 103532
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.38 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY004395.D
Acq: 12 Apr 2021 19:33

Tgt Ion: 75 Resp: 103532
Ion Ratio Lower Upper
75 100
53 0.3 75.0 112.6#
89 9.2 36.1 54.1#

