

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041621\
 Data File : VY004465.D
 Acq On : 16 Apr 2021 13:25
 Operator : SY/MD
 Sample : M2051-07
 Misc : 5.21G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0124019

Quant Time: Apr 17 00:53:41 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)

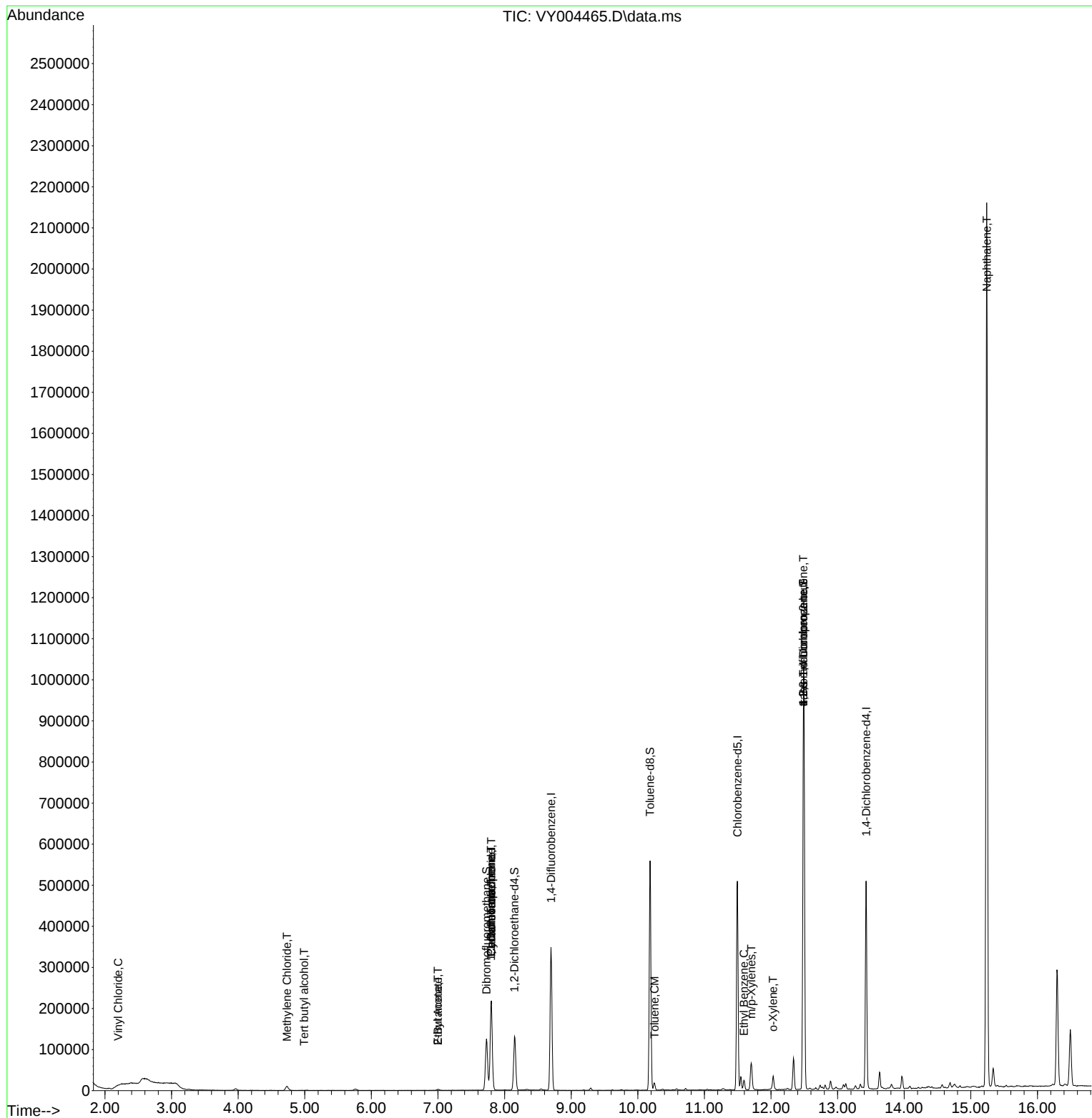
Internal Standards						
1) Pentafluorobenzene	7.801	168	162649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	282162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	262121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120454	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	100063	55.37	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.74%	
35) Dibromofluoromethane	7.728	113	85621	54.68	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.36%	
50) Toluene-d8	10.185	98	348848	52.38	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.76%	
62) 4-Bromofluorobenzene	12.483	95	121480	53.75	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.50%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.199	62	4836	2.10	ug/l #	43
11) Tert butyl alcohol	4.991	59	486	2.73	ug/l #	73
16) Acetone	3.960	43	7151	Below	Cal	90
20) Methylene Chloride	4.735	84	6696	3.84	ug/l	95
25) 2-Butanone	6.996	43	4331	6.29	ug/l #	85
31) Cyclohexane	7.801	56	4240	1.28	ug/l #	25
36) 1,1-Dichloropropene	7.795	75	13129	4.68	ug/l #	50
37) Ethyl Acetate	6.996	43	4331	2.40	ug/l #	70
38) Carbon Tetrachloride	7.801	117	16021	6.61	ug/l #	17
52) Toluene	10.252	92	7261	1.42	ug/l	97
67) Ethyl Benzene	11.593	91	14961	1.49	ug/l	93
68) m/p-Xylenes	11.703	106	18797	5.05	ug/l	99
69) o-Xylene	12.032	106	7509	2.15	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	73946	57.20	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	73946	102.32	ug/l #	14
95) Naphthalene	15.239	128	1627724	327.38	ug/l	100

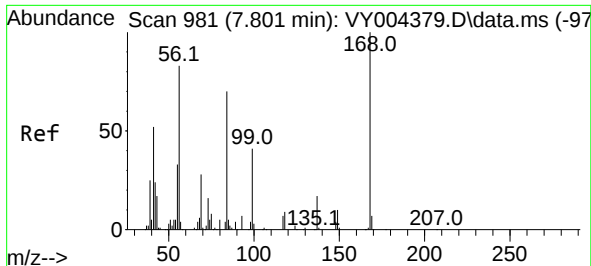
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
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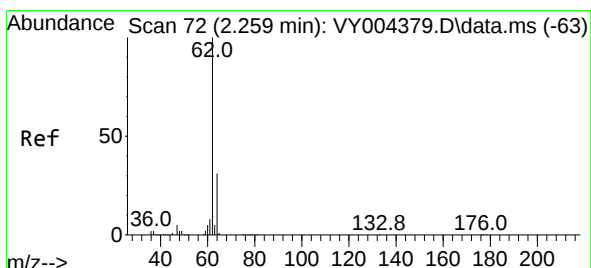
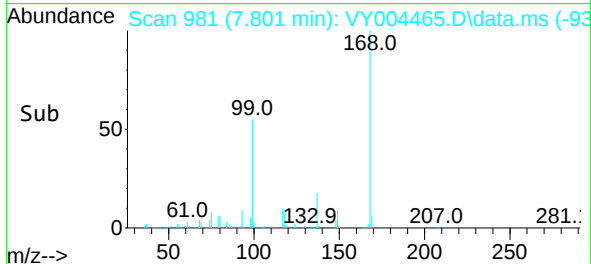
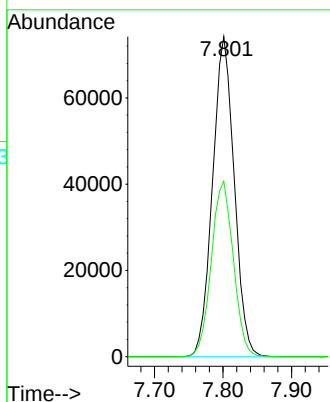
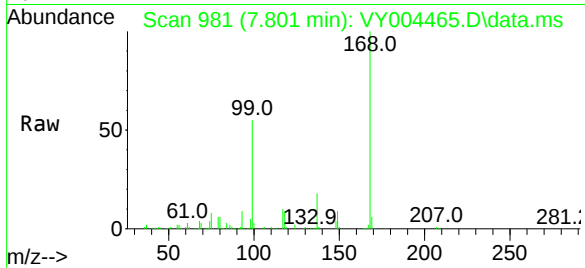




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

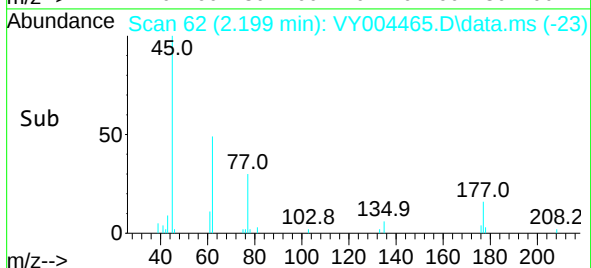
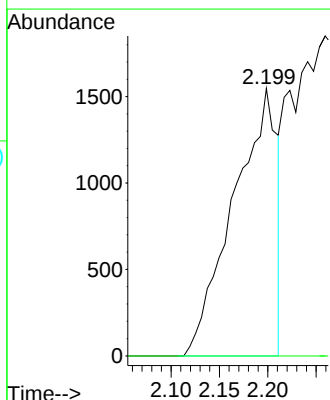
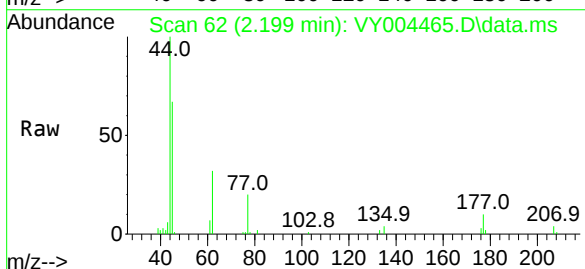
Instrument :
MSVOA_Y
ClientSampleId :
0124019

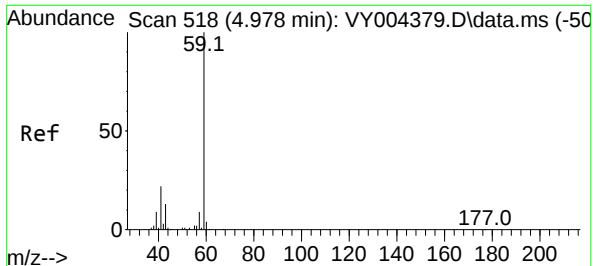
Tgt Ion:168 Resp: 162649
Ion Ratio Lower Upper
168 100
99 54.8 45.5 68.3



#4
Vinyl Chloride
Concen: 2.10 ug/l
RT: 2.199 min Scan# 62
Delta R.T. -0.061 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

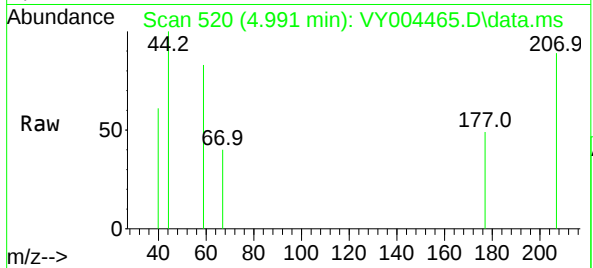
Tgt Ion: 62 Resp: 4836
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



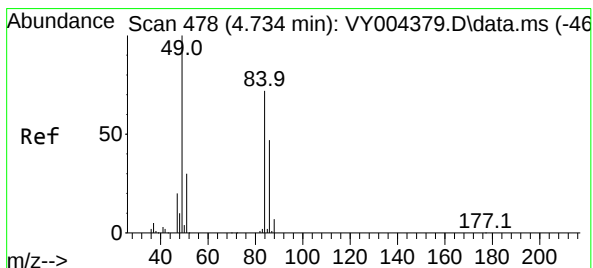
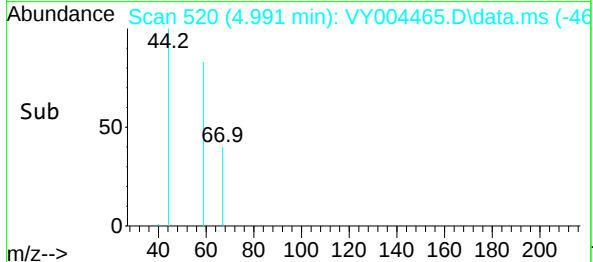
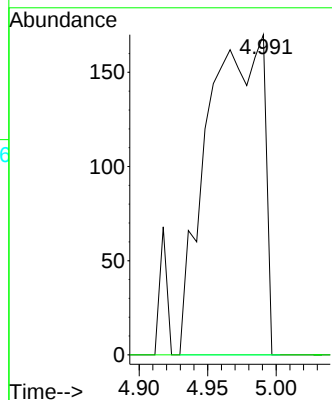


#11
Tert butyl alcohol
Concen: 2.73 ug/l
RT: 4.991 min Scan# 520
Delta R.T. 0.012 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

Instrument :
MSVOA_Y
ClientSampled :
0124019

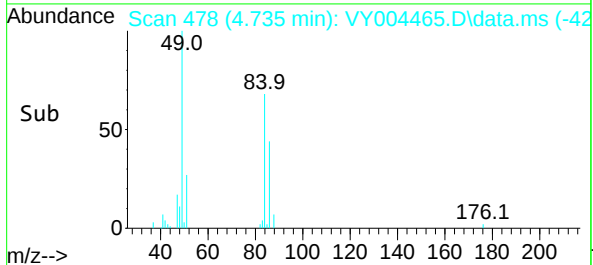
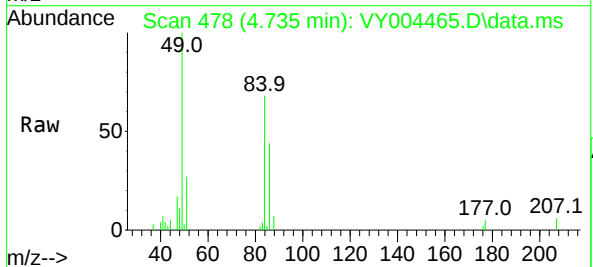
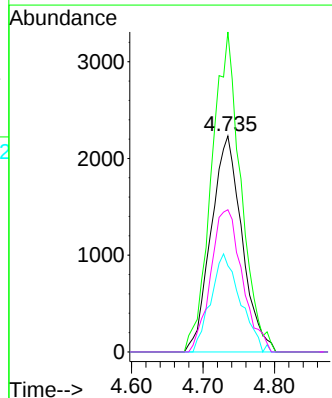


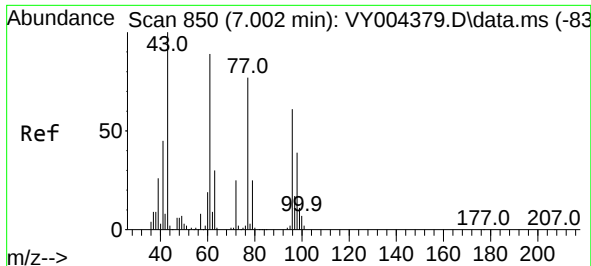
Tgt Ion: 59 Resp: 486
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#20
Methylene Chloride
Concen: 3.84 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

Tgt Ion: 84 Resp: 6696
Ion Ratio Lower Upper
84 100
49 148.1 111.2 166.8
51 39.9 33.4 50.2
86 65.8 52.7 79.1

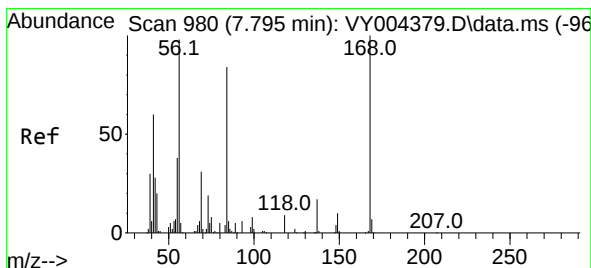
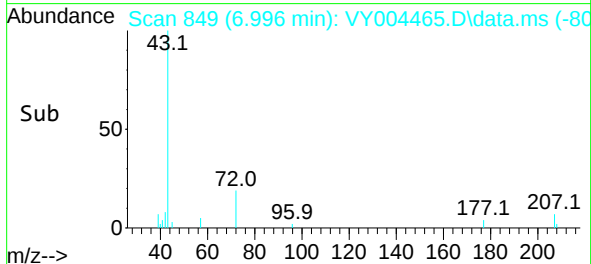
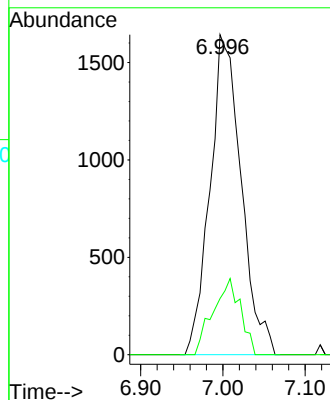
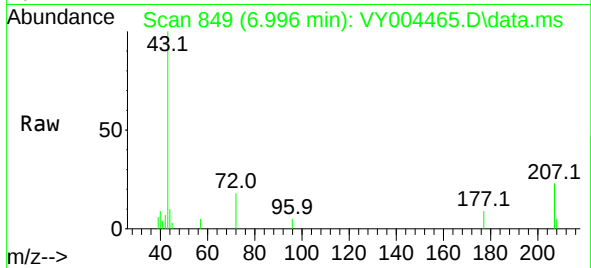




#25
2-Butanone
Concen: 6.29 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

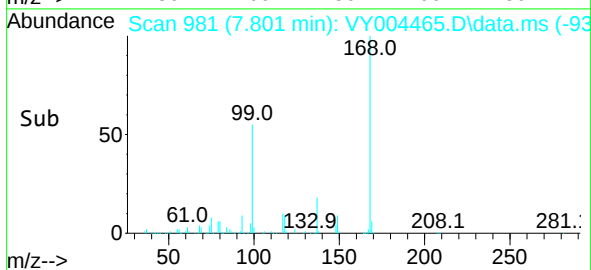
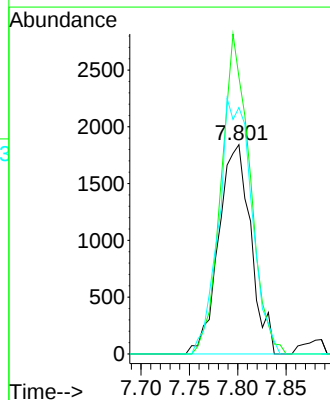
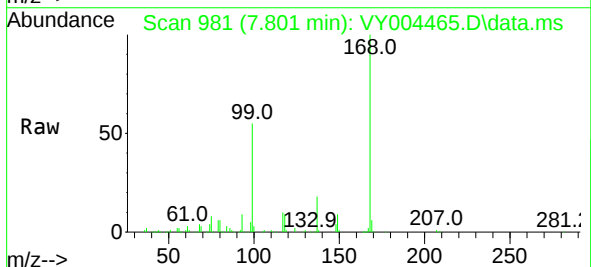
Instrument :
MSVOA_Y
ClientSampleId :
0124019

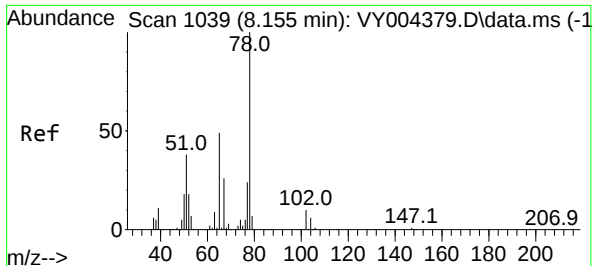
Tgt Ion: 43 Resp: 4331
Ion Ratio Lower Upper
43 100
72 17.6 20.2 30.2#



#31
Cyclohexane
Concen: 1.28 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

Tgt Ion: 56 Resp: 4240
Ion Ratio Lower Upper
56 100
69 132.3 25.8 38.6#
84 117.7 68.2 102.4#

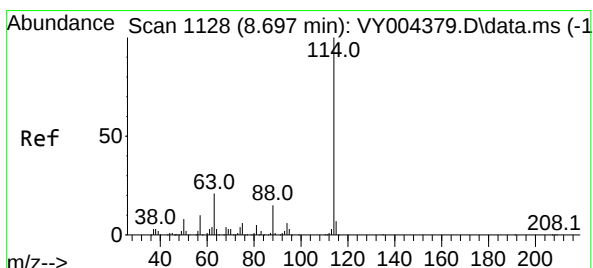
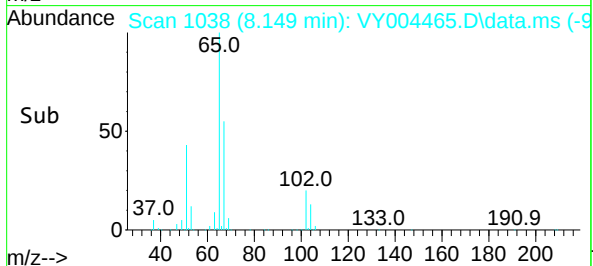
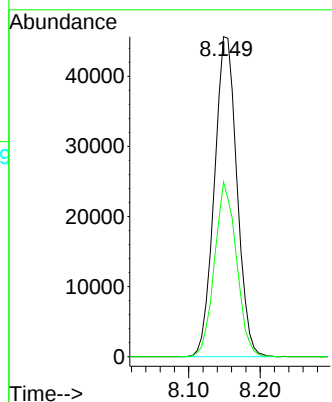
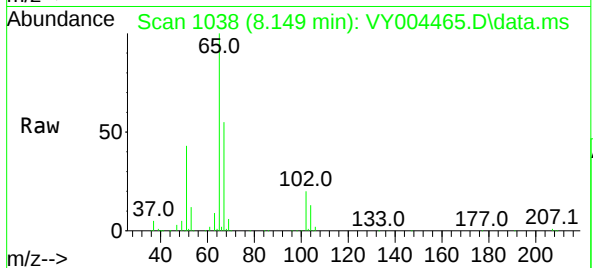




#33
1,2-Dichloroethane-d4
Concen: 55.37 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

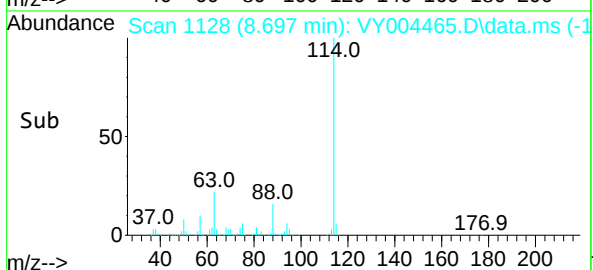
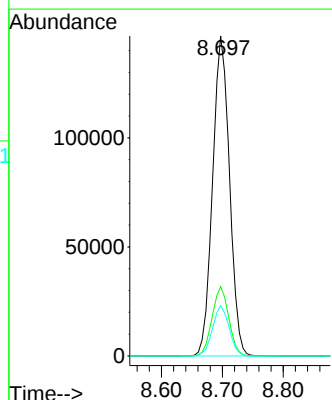
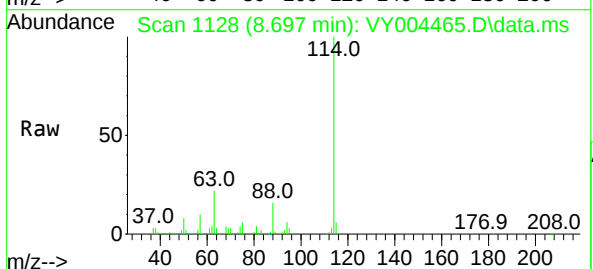
Instrument :
MSVOA_Y
ClientSampleId :
0124019

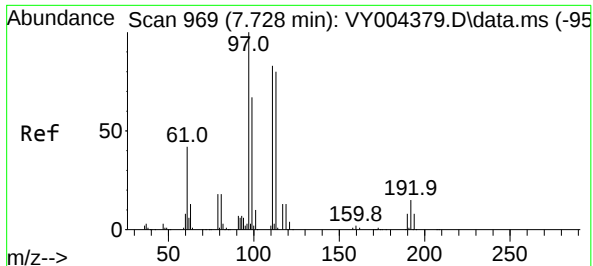
Tgt Ion: 65 Resp: 100063
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

Tgt Ion:114 Resp: 282162
Ion Ratio Lower Upper
114 100
63 21.7 0.0 42.4
88 15.8 0.0 30.8





#35

Dibromofluoromethane

Concen: 54.68 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY004465.D

Acq: 16 Apr 2021 13:25

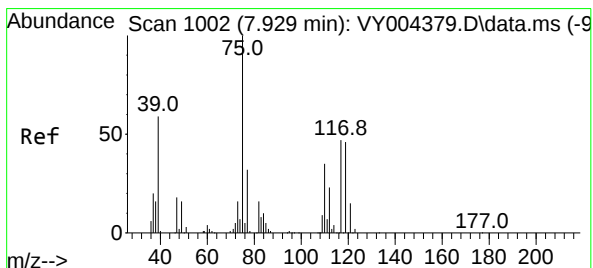
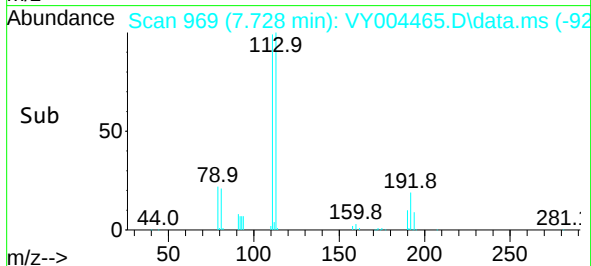
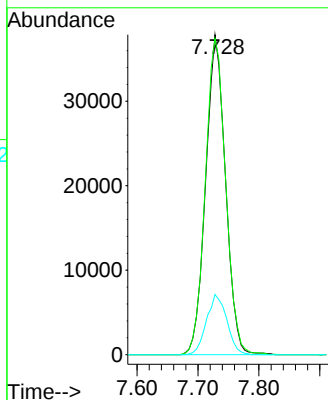
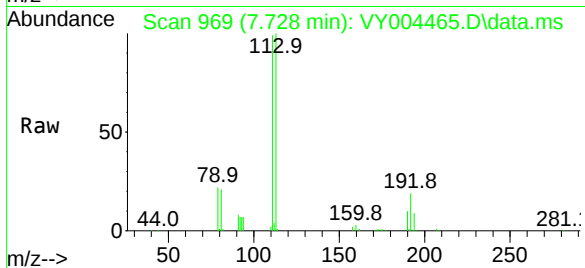
Tgt Ion:113 Resp: 85621

Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 19.3 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.68 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.134 min

Lab File: VY004465.D

Acq: 16 Apr 2021 13:25

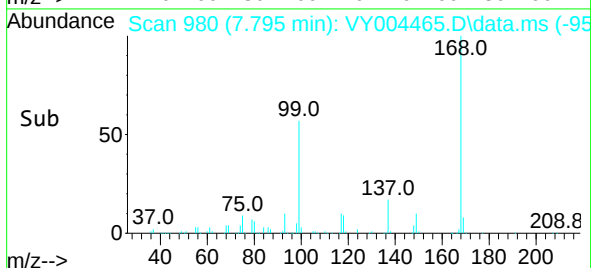
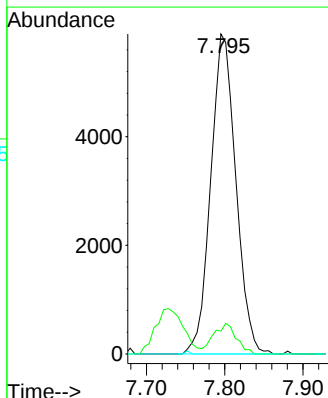
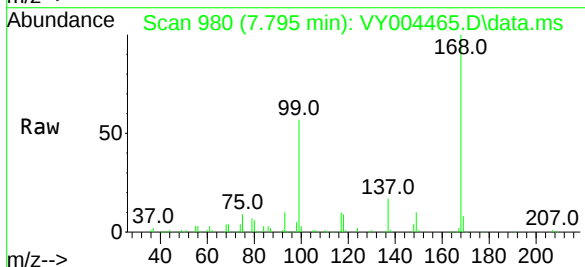
Tgt Ion: 75 Resp: 13129

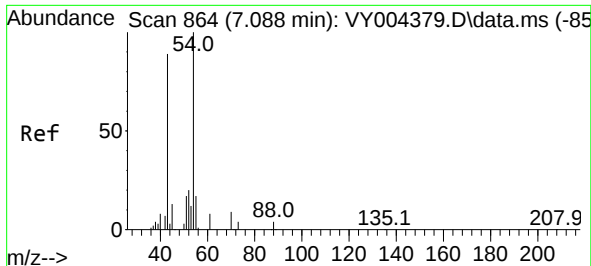
Ion Ratio Lower Upper

75 100

110 8.6 17.3 51.7#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 2.40 ug/l

RT: 6.996 min Scan# 849

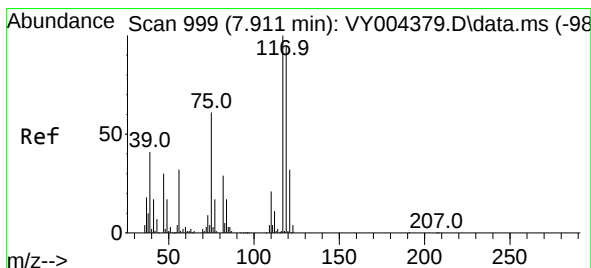
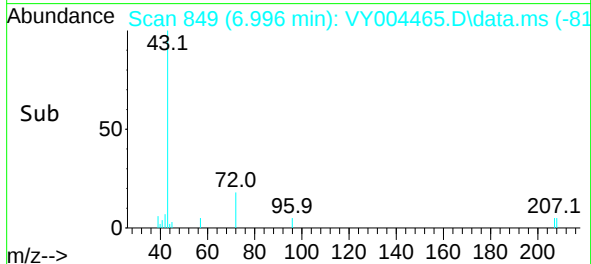
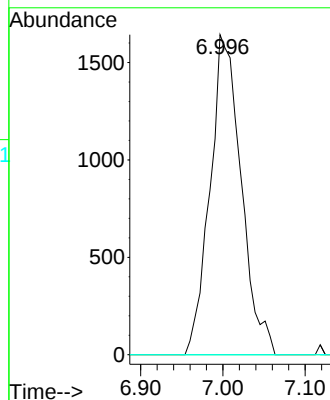
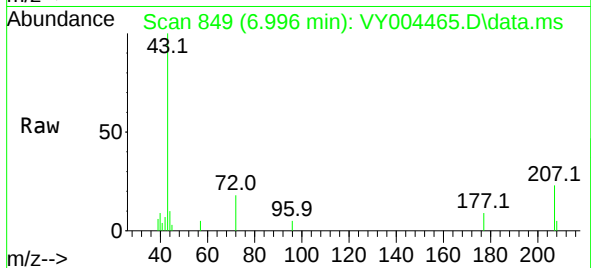
Delta R.T. -0.091 min

Lab File: VY004465.D

Acq: 16 Apr 2021 13:25

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Tgt Ion: 43	Resp: 4331
Ion Ratio	Lower Upper
43 100	
61 0.0	10.4 15.6#
70 0.0	7.5 11.3#



#38

Carbon Tetrachloride

Concen: 6.61 ug/l

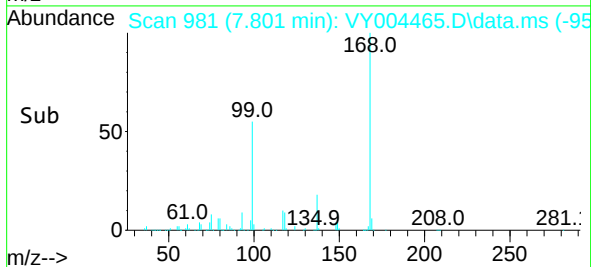
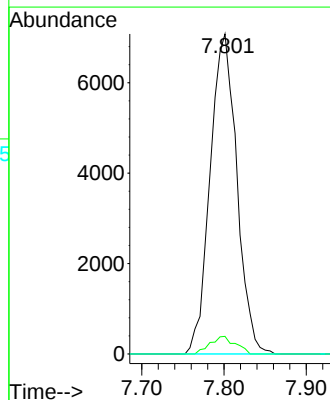
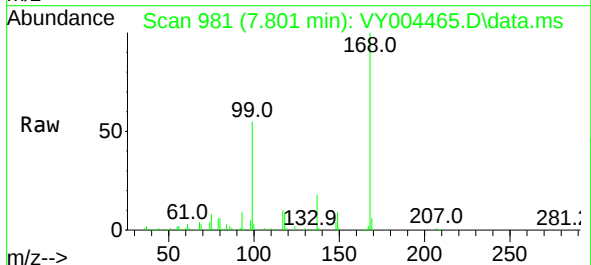
RT: 7.801 min Scan# 981

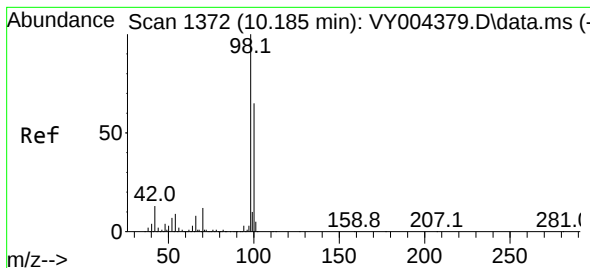
Delta R.T. -0.109 min

Lab File: VY004465.D

Acq: 16 Apr 2021 13:25

Tgt Ion: 117	Resp: 16021
Ion Ratio	Lower Upper
117 100	
119 5.5	75.8 113.8#
121 0.0	25.3 37.9#

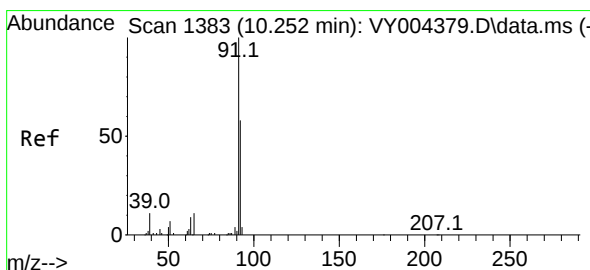
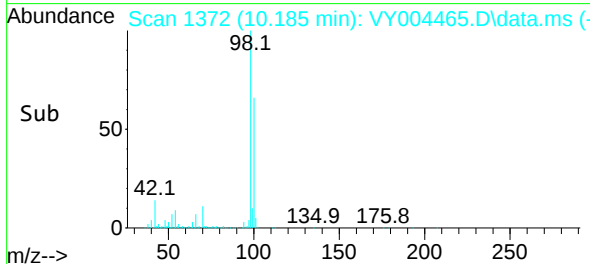
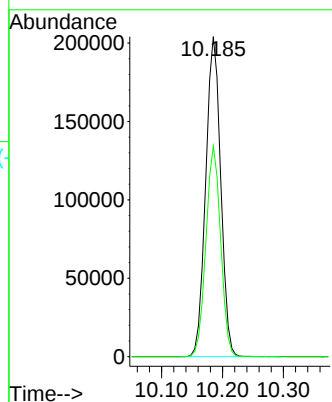
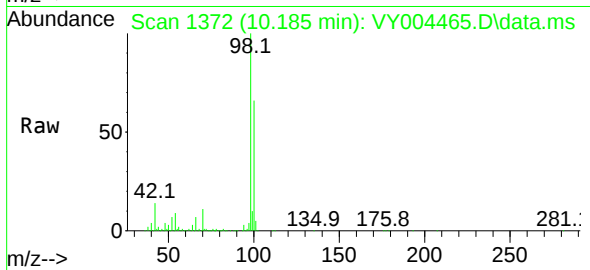




#50
Toluene-d8
Concen: 52.38 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

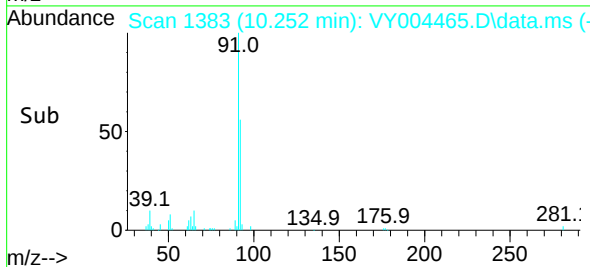
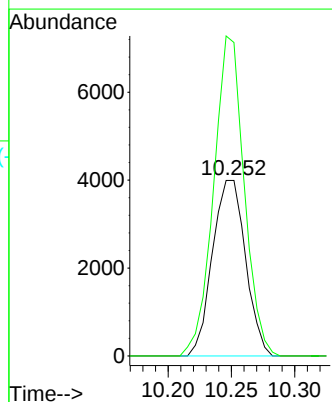
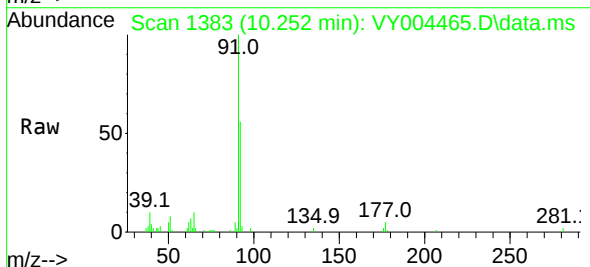
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0124019

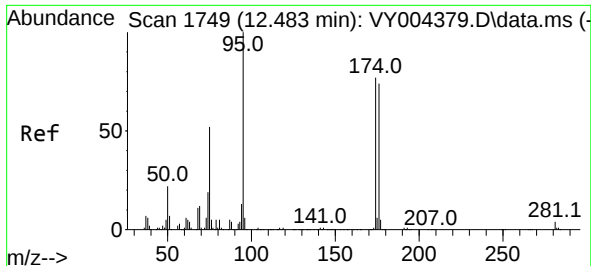
Tgt Ion: 98 Resp: 348848
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#52
Toluene
Concen: 1.42 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

Tgt Ion: 92 Resp: 7261
Ion Ratio Lower Upper
92 100
91 168.3 137.8 206.6

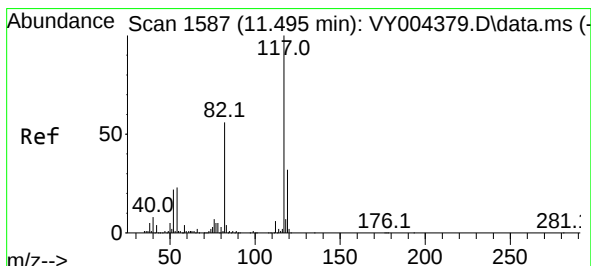
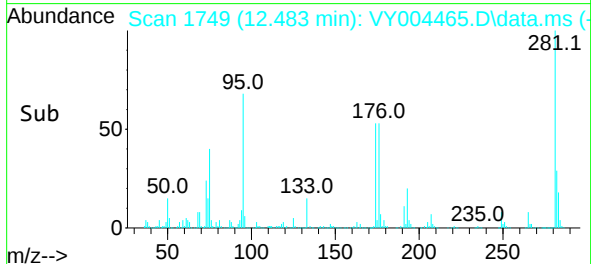
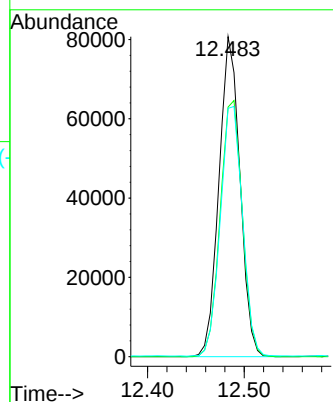
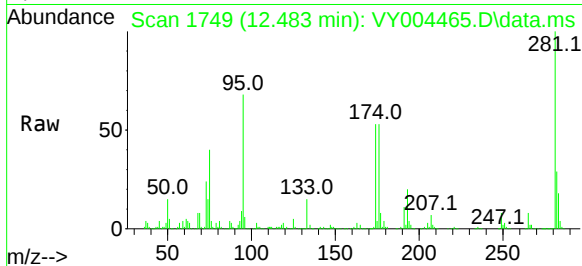




#62
4-Bromofluorobenzene
Concen: 53.75 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

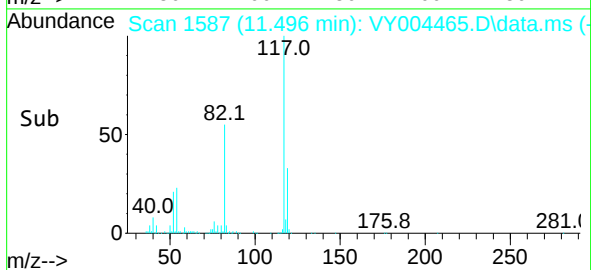
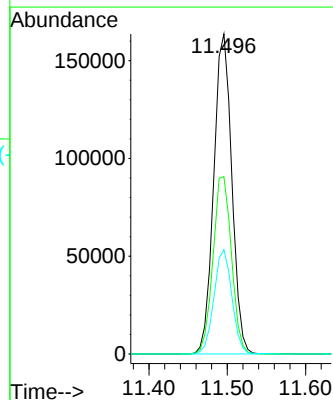
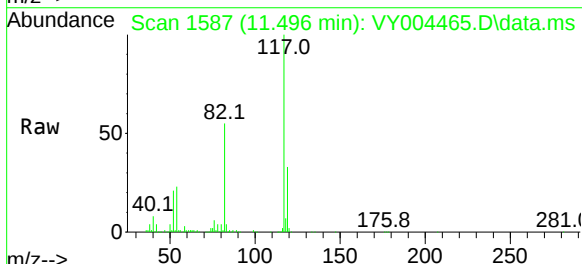
Instrument :
MSVOA_Y
ClientSampleId :
0124019

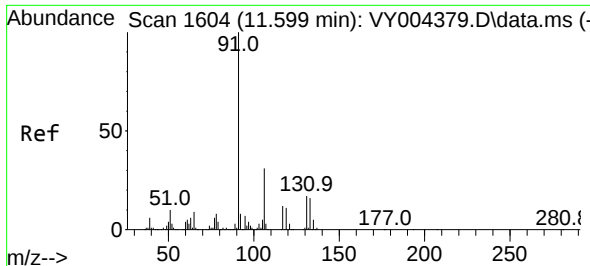
Tgt Ion: 95 Resp: 121480
Ion Ratio Lower Upper
95 100
174 84.4 0.0 162.4
176 82.7 0.0 156.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

Tgt Ion: 117 Resp: 262121
Ion Ratio Lower Upper
117 100
82 55.4 44.9 67.3
119 32.6 25.4 38.0

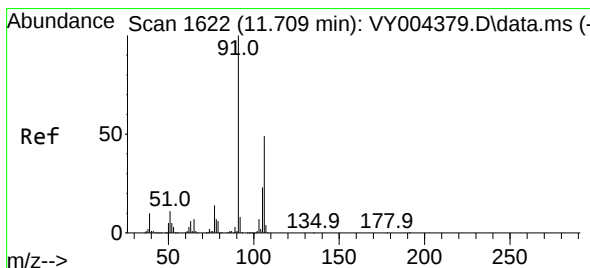
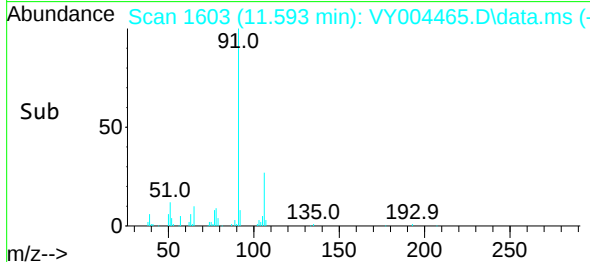
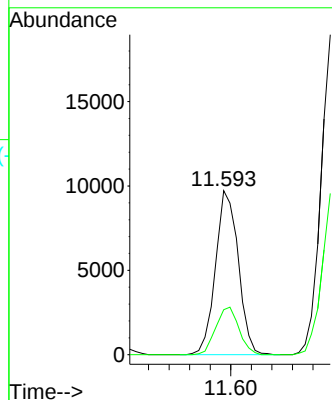
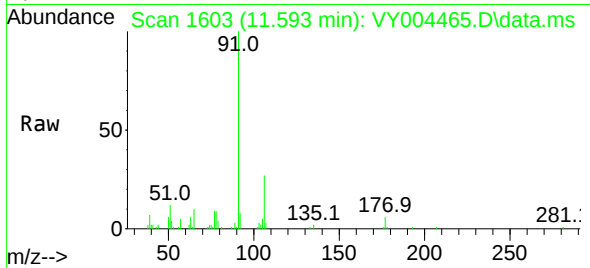




#67
Ethyl Benzene
Concen: 1.49 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

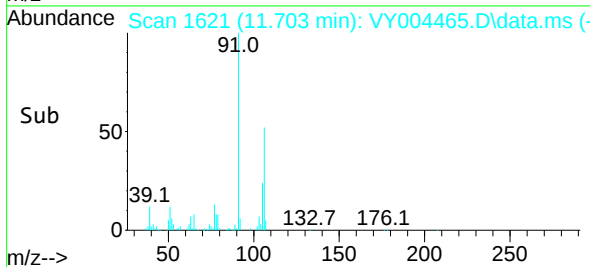
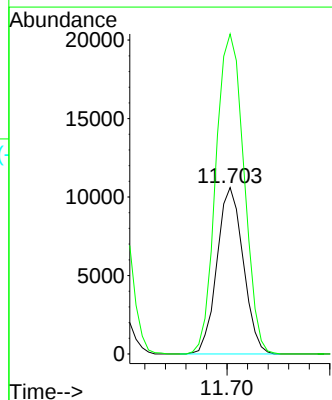
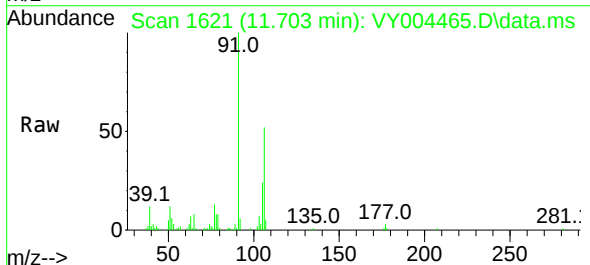
Instrument :
MSVOA_Y
ClientSampleId :
0124019

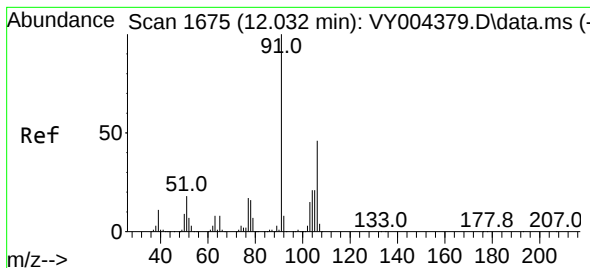
Tgt Ion: 91 Resp: 14961
Ion Ratio Lower Upper
91 100
106 27.5 25.1 37.7



#68
m/p-Xylenes
Concen: 5.05 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

Tgt Ion:106 Resp: 18797
Ion Ratio Lower Upper
106 100
91 205.8 163.2 244.8





#69

o-Xylene

Concen: 2.15 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VY004465.D

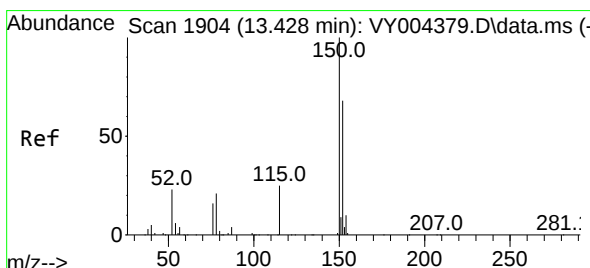
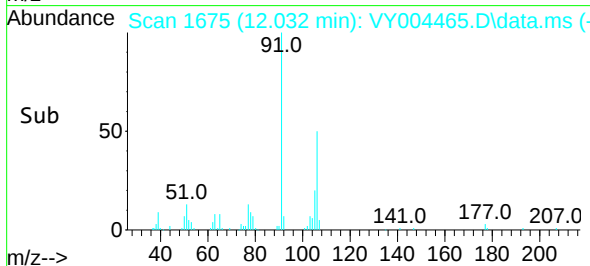
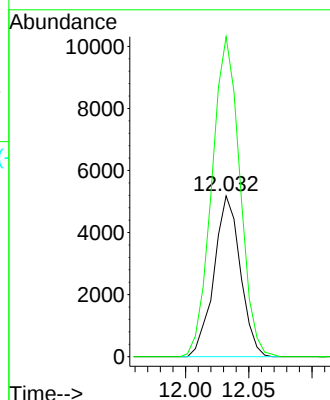
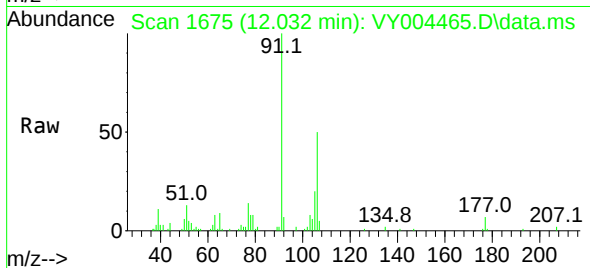
Acq: 16 Apr 2021 13:25

Tgt Ion:106 Resp: 7509

Ion Ratio Lower Upper

106 100

91 211.2 107.4 322.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY004465.D

Acq: 16 Apr 2021 13:25

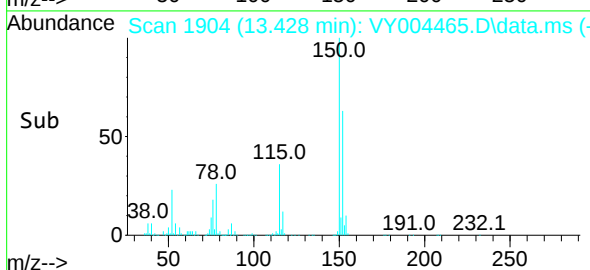
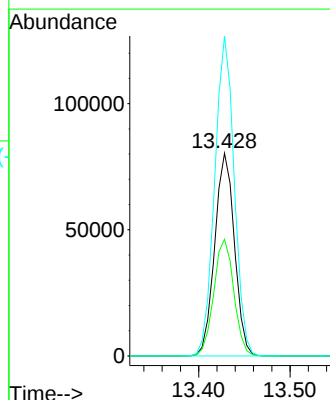
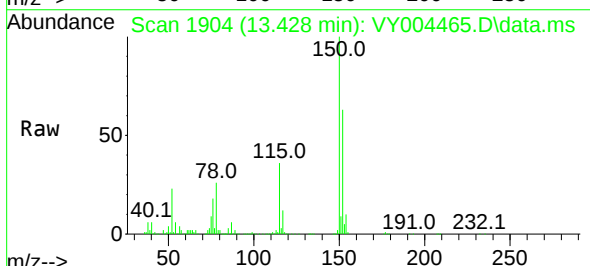
Tgt Ion:152 Resp: 120454

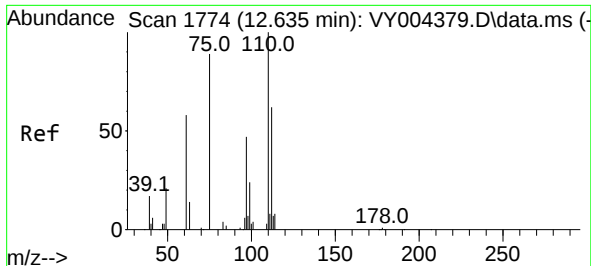
Ion Ratio Lower Upper

152 100

115 58.5 29.6 88.8

150 156.4 0.0 348.4

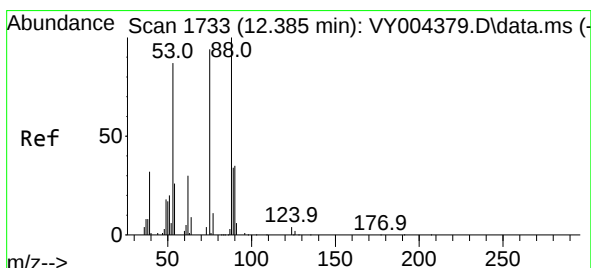
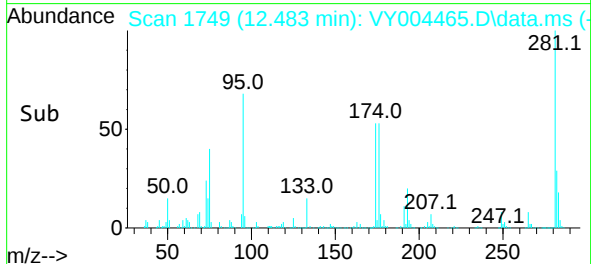
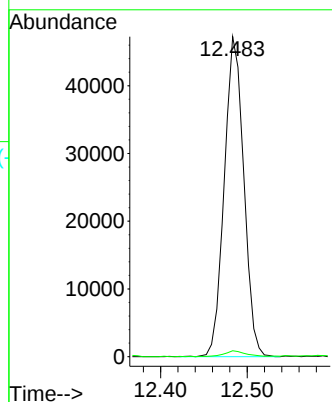
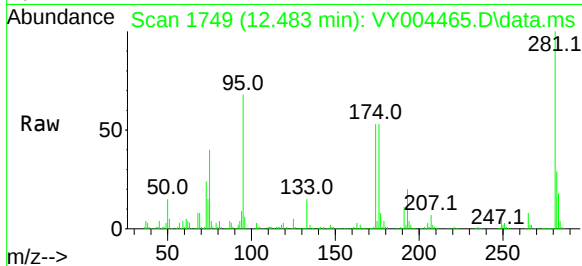




#76
1,2,3-Trichloropropane
Concen: 57.20 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

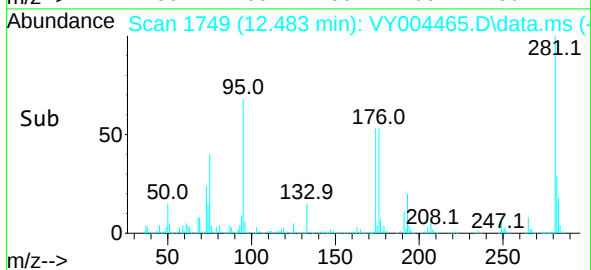
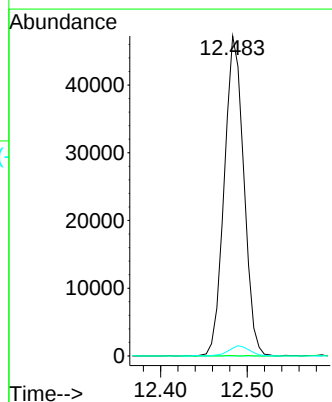
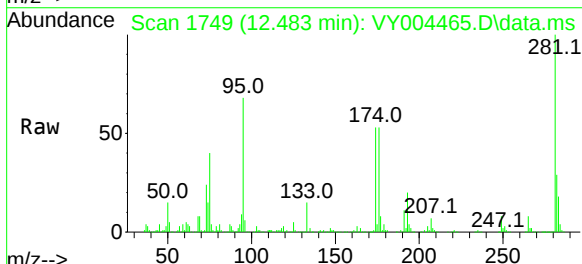
Instrument :
MSVOA_Y
ClientSampleId :
0124019

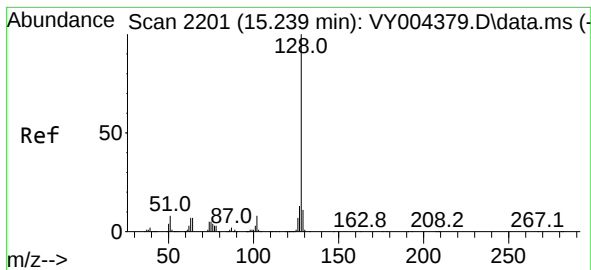
Tgt Ion: 75 Resp: 73946
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.32 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

Tgt Ion: 75 Resp: 73946
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 3.4 36.1 54.1#





#95
Naphthalene
Concen: 327.38 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004465.D
Acq: 16 Apr 2021 13:25

Instrument :
MSVOA_Y
ClientSampleId :
0124019

Tgt Ion:128 Resp: 1627724
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.0 8.8 13.2

