

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042622\
 Data File : VY008499.D
 Acq On : 26 Apr 2022 13:20
 Operator : KP/MD
 Sample : N2502-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C1

Quant Time: Apr 27 01:21:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

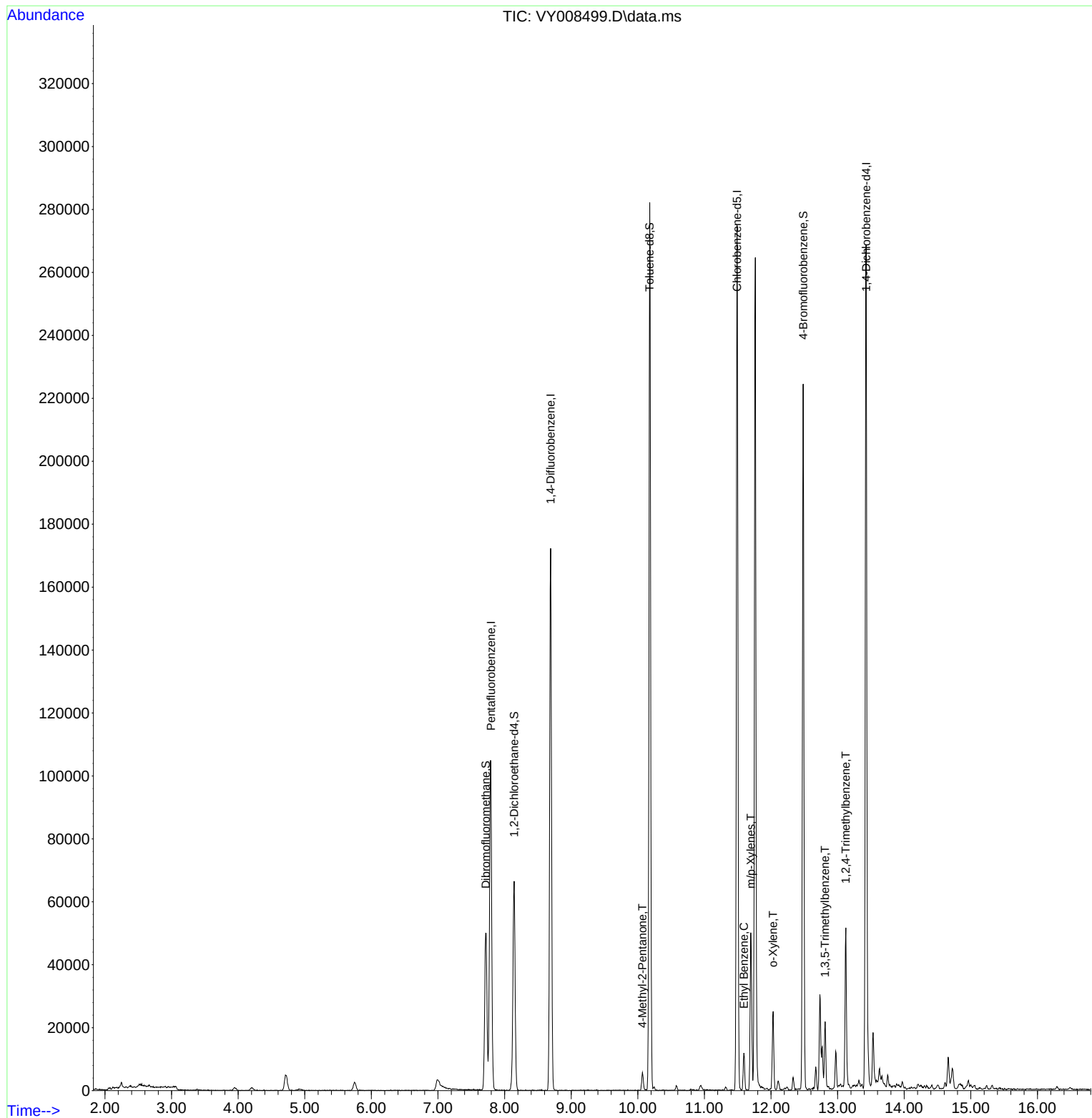
Internal Standards						
1) Pentafluorobenzene	7.795	168	81908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	149434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	49688	51.557	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.120%	
35) Dibromofluoromethane	7.715	113	35867	36.502	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 73.000%	
50) Toluene-d8	10.178	98	186974	47.846	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.700%	
62) 4-Bromofluorobenzene	12.483	95	64138	48.475	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.940%	
Target Compounds						Qvalue
51) 4-Methyl-2-Pentanone	10.069	43	3631	4.342	ug/l	89
67) Ethyl Benzene	11.593	91	8394	1.431	ug/l	95
68) m/p-Xylenes	11.696	106	14475	6.162	ug/l	91
69) o-Xylene	12.032	106	6617	2.926	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	8417	1.917	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	27019	6.202	ug/l	99

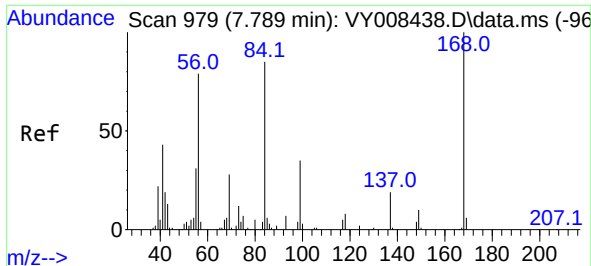
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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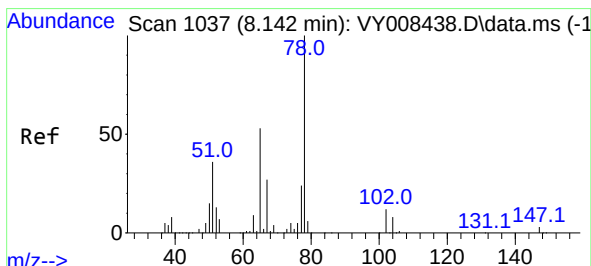
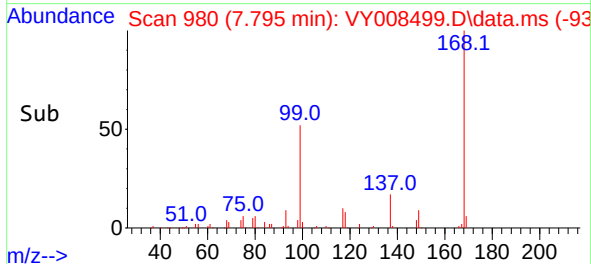
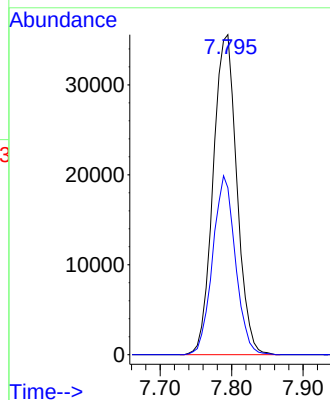
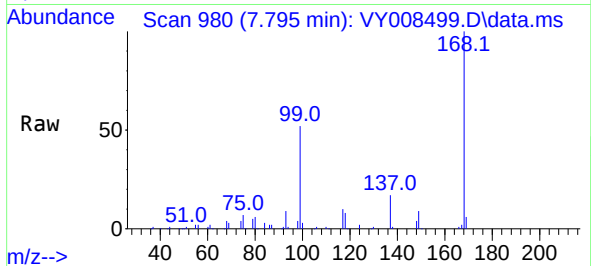




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

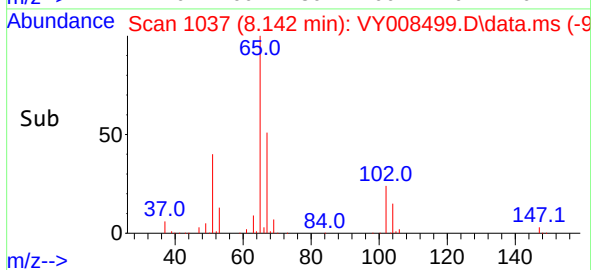
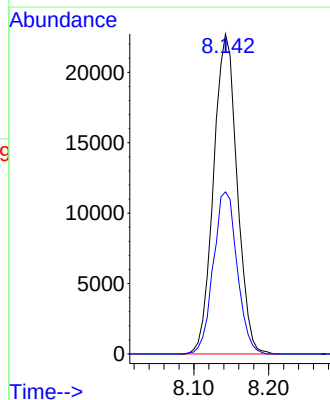
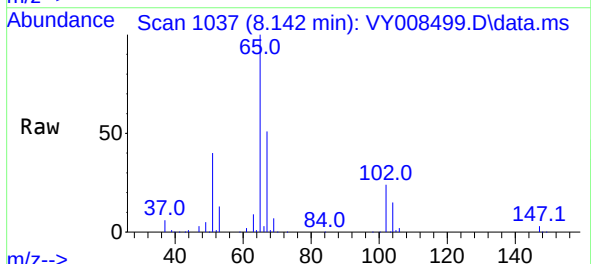
Instrument :
MSVOA_Y
ClientSampleId :
C1

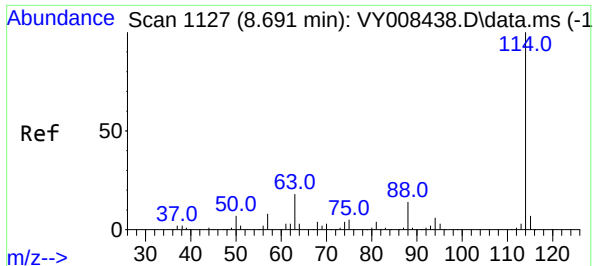
Tgt Ion:168 Resp: 81908
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#33
1,2-Dichloroethane-d4
Concen: 51.557 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

Tgt Ion: 65 Resp: 49688
Ion Ratio Lower Upper
65 100
67 51.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY008499.D

Acq: 26 Apr 2022 13:20

Instrument :

MSVOA_Y

ClientSampleId :

C1

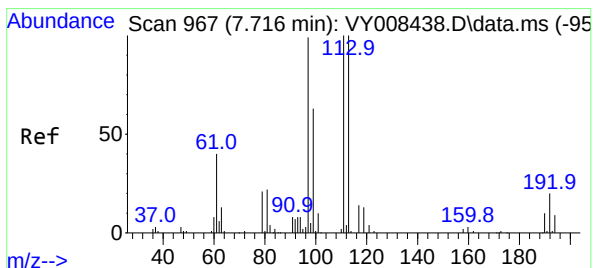
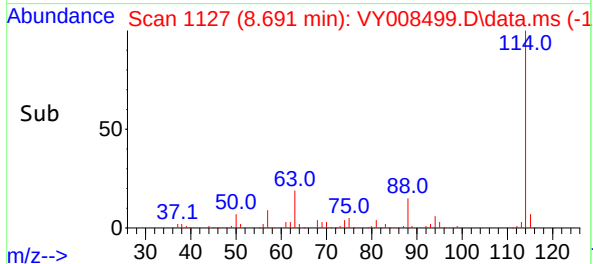
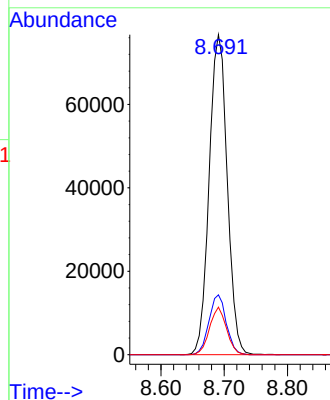
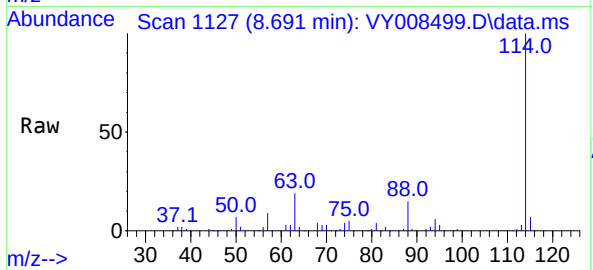
Tgt Ion:114 Resp: 152252

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 36.502 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY008499.D

Acq: 26 Apr 2022 13:20

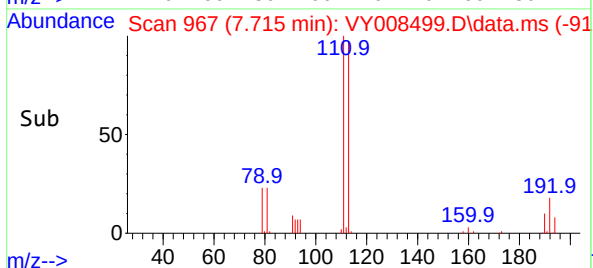
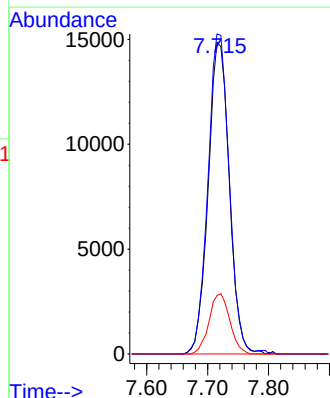
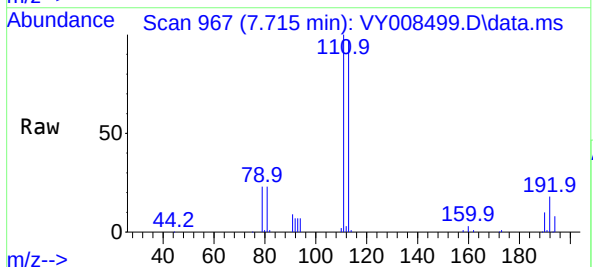
Tgt Ion:113 Resp: 35867

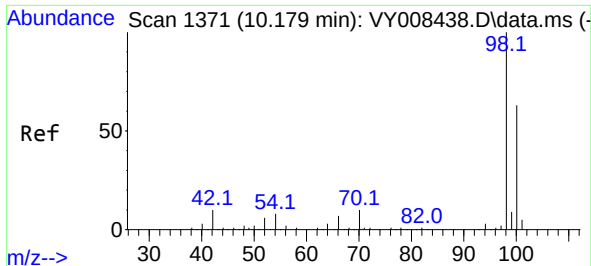
Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 19.0 17.6 26.4

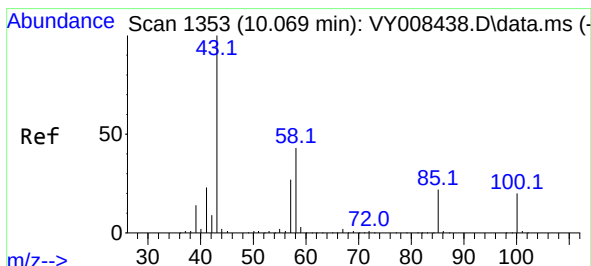
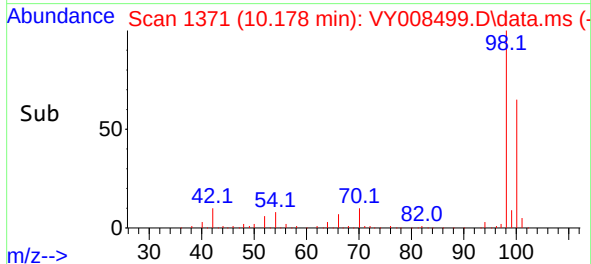
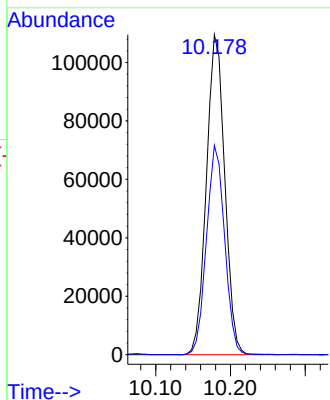
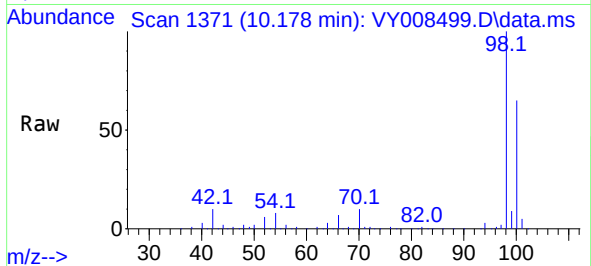




#50
Toluene-d8
Concen: 47.846 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

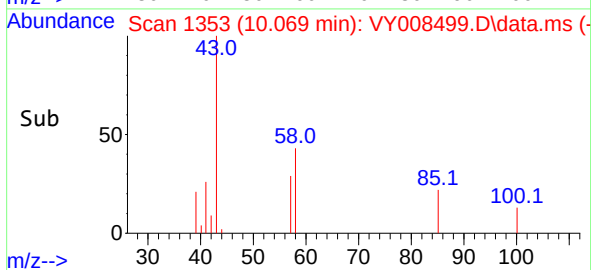
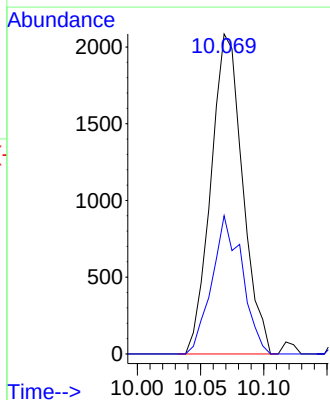
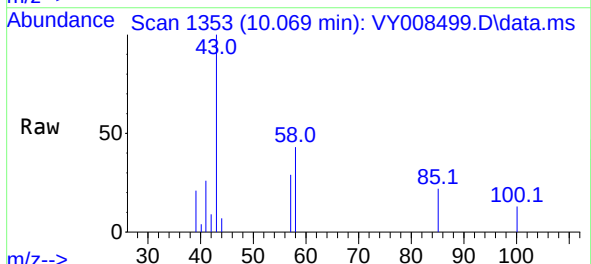
Instrument :
MSVOA_Y
ClientSampleId :
C1

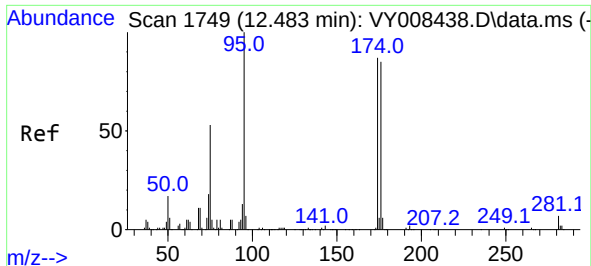
Tgt Ion: 98 Resp: 186974
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 4.342 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

Tgt Ion: 43 Resp: 3631
Ion Ratio Lower Upper
43 100
58 41.4 28.1 42.1

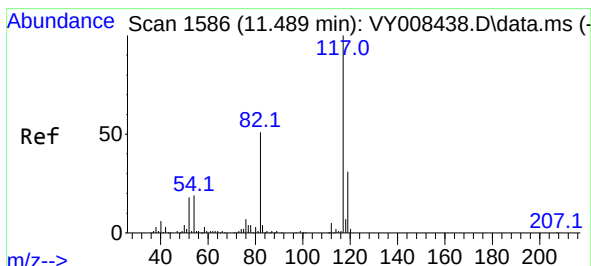
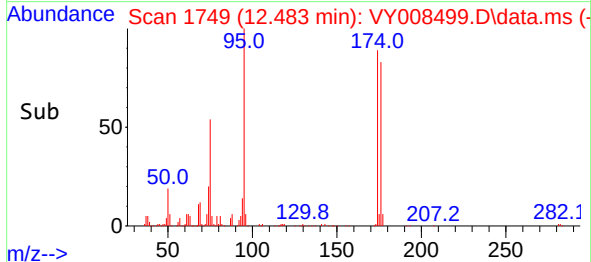
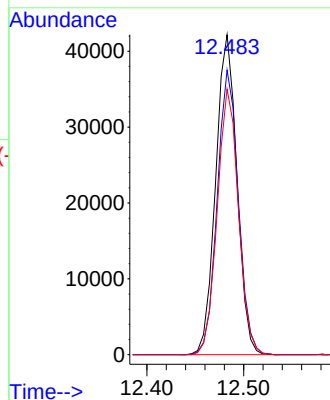
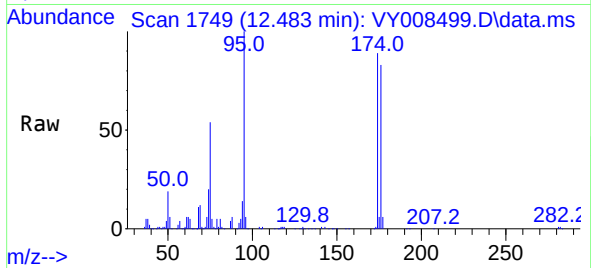




#62
4-Bromofluorobenzene
Concen: 48.475 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

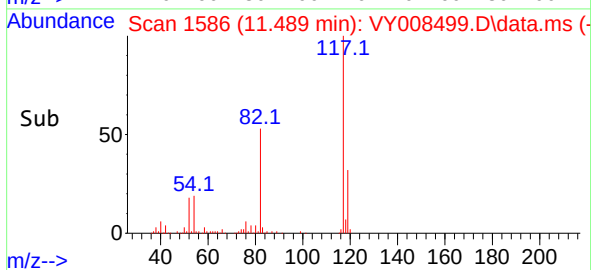
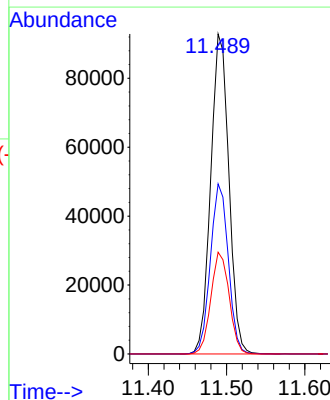
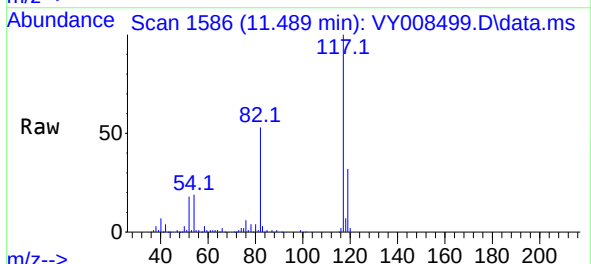
Instrument :
MSVOA_Y
ClientSampleId :
C1

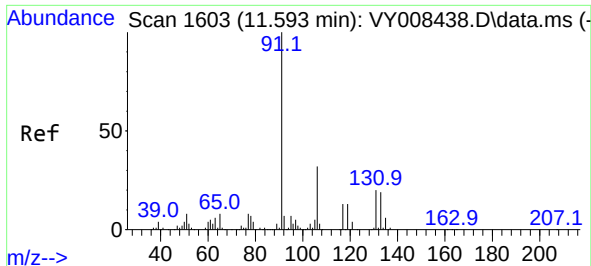
Tgt Ion: 95 Resp: 64138
Ion Ratio Lower Upper
95 100
174 88.6 0.0 177.0
176 82.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

Tgt Ion: 117 Resp: 149434
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 31.8 25.4 38.0





#67

Ethyl Benzene

Concen: 1.431 ug/l

RT: 11.593 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY008499.D

Acq: 26 Apr 2022 13:20

Instrument :

MSVOA_Y

ClientSampleId :

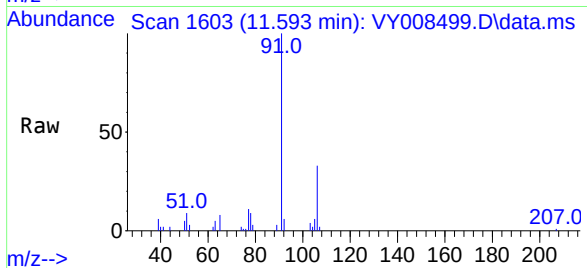
C1

Tgt Ion: 91 Resp: 8394

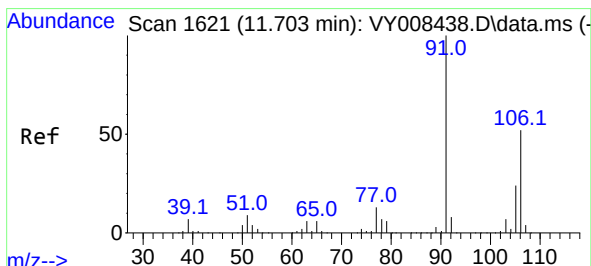
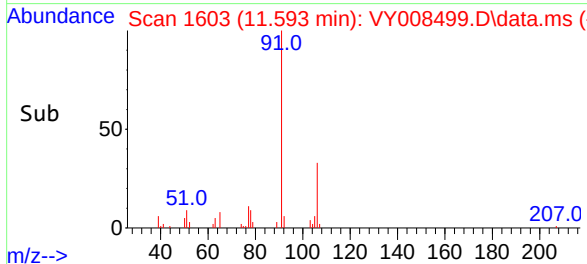
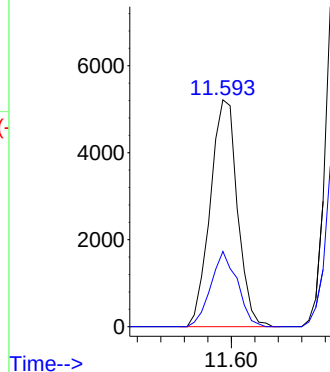
Ion Ratio Lower Upper

91 100

106 33.1 24.5 36.7



Abundance



#68

m/p-Xylenes

Concen: 6.162 ug/l

RT: 11.696 min Scan# 1620

Delta R.T. -0.007 min

Lab File: VY008499.D

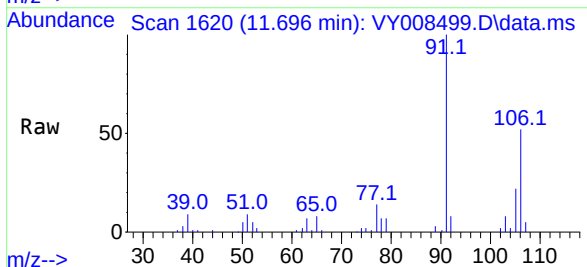
Acq: 26 Apr 2022 13:20

Tgt Ion: 106 Resp: 14475

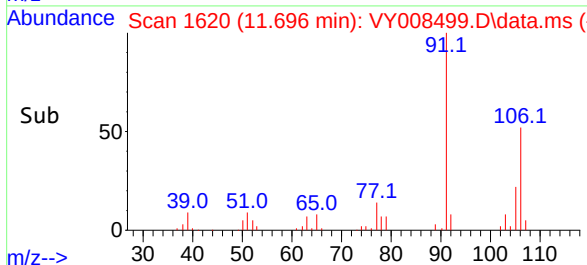
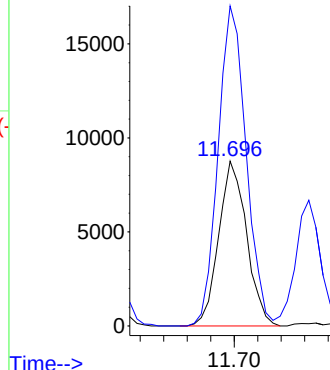
Ion Ratio Lower Upper

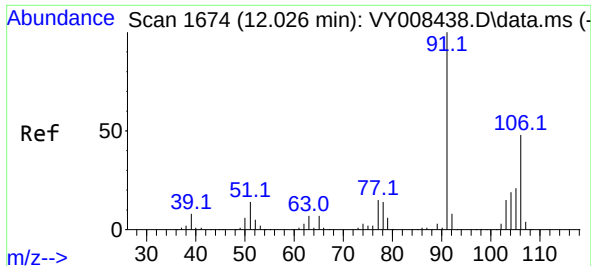
106 100

91 194.4 166.6 249.8



Abundance

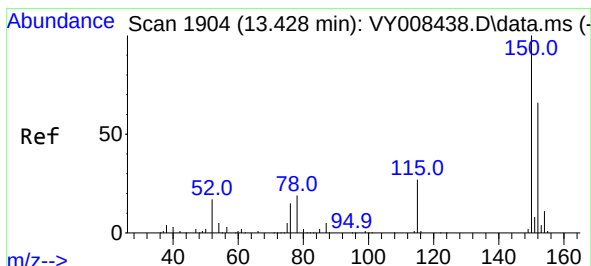
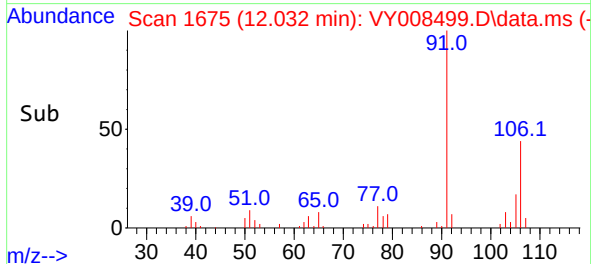
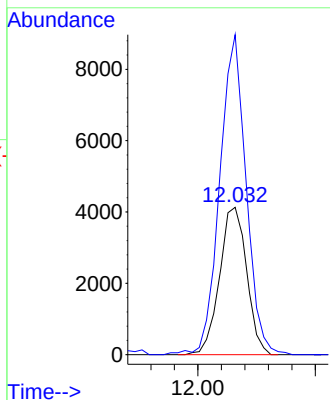
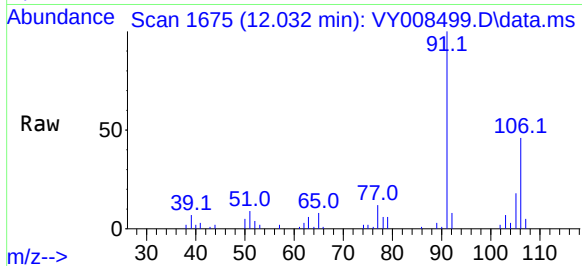




#69
o-Xylene
Concen: 2.926 ug/l
RT: 12.032 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

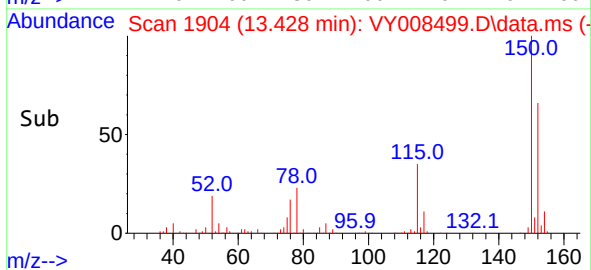
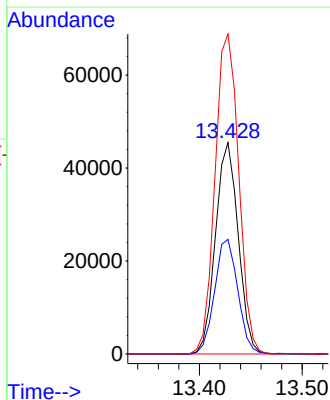
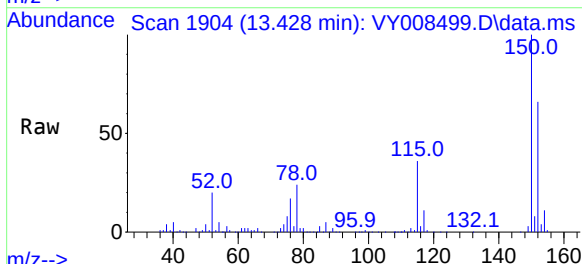
Instrument :
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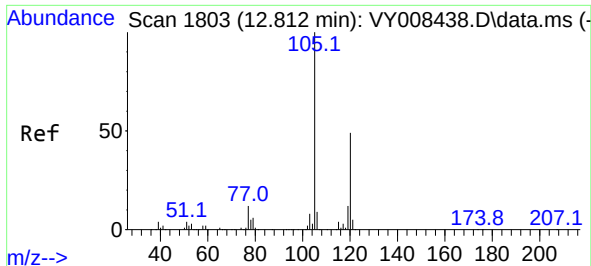
Tgt Ion:106 Resp: 6617
Ion Ratio Lower Upper
106 100
91 211.3 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

Tgt Ion:152 Resp: 69771
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.7
150 157.9 0.0 347.6

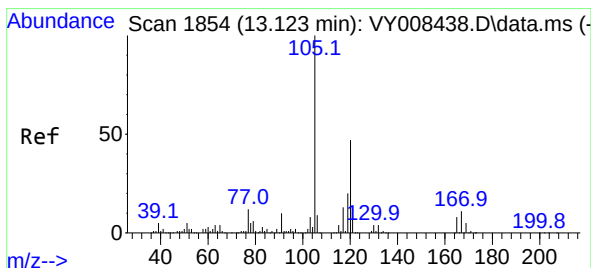
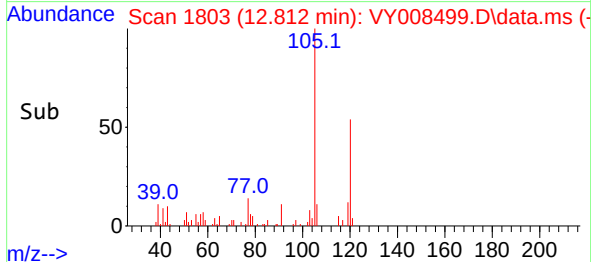
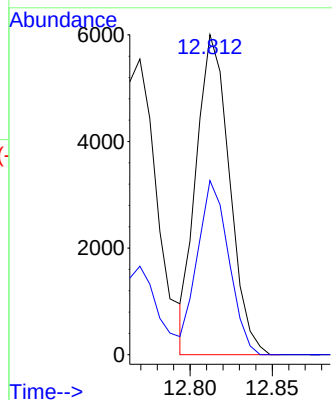
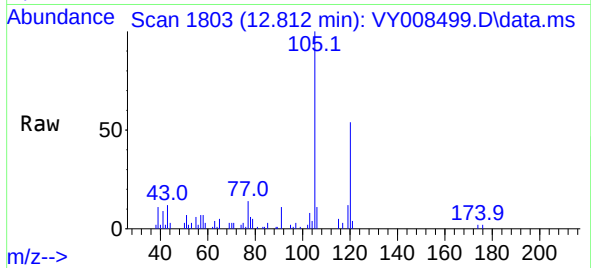




#80
1,3,5-Trimethylbenzene
Concen: 1.917 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

Instrument :
MSVOA_Y
ClientSampleId :
C1

Tgt Ion:105 Resp: 8417
Ion Ratio Lower Upper
105 100
120 51.3 24.4 73.4



#84
1,2,4-Trimethylbenzene
Concen: 6.202 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008499.D
Acq: 26 Apr 2022 13:20

Tgt Ion:105 Resp: 27019
Ion Ratio Lower Upper
105 100
120 43.8 22.3 66.9

