

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033022\
 Data File : VY008122.D
 Acq On : 30 Mar 2022 19:59
 Operator : SY/MD
 Sample : N2176-02
 Misc : 5.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-156-IDWSO-20220329-2

Quant Time: Mar 31 05:03:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

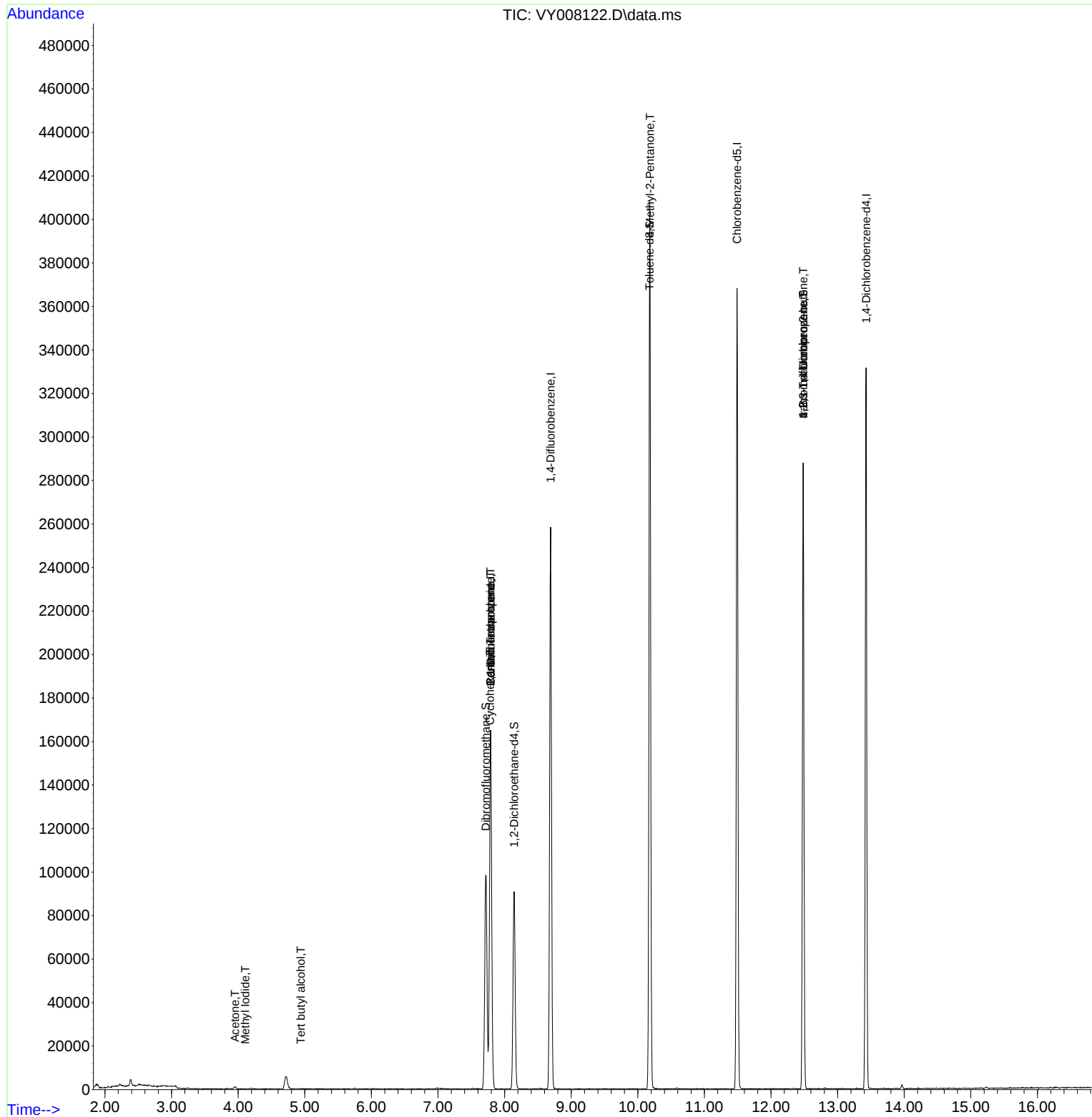
Internal Standards						
1) Pentafluorobenzene	7.789	168	124954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	228490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	208132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	70672	56.372	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.740%	
35) Dibromofluoromethane	7.716	113	72037	50.285	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.580%	
50) Toluene-d8	10.179	98	274260	50.815	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.620%	
62) 4-Bromofluorobenzene	12.483	95	88368	46.408	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.820%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	54	1.729	ug/l #	35
11) Tert butyl alcohol	4.942	59	200	1.538	ug/l #	77
16) Acetone	3.954	43	1781	6.215	ug/l #	83
18) Methyl Acetate	4.479	43	187	Below Cal	#	56
20) Methylene Chloride	4.722	84	4677	Below Cal	#	70
31) Cyclohexane	7.783	56	2402	1.025	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9938	4.416	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13061	5.326	ug/l #	15
51) 4-Methyl-2-Pentanone	10.185	43	1064	1.022	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	45529	44.811	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45529	99.981	ug/l #	7

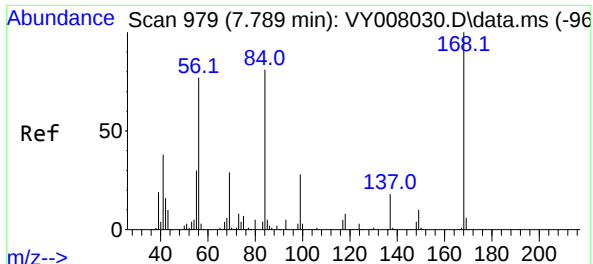
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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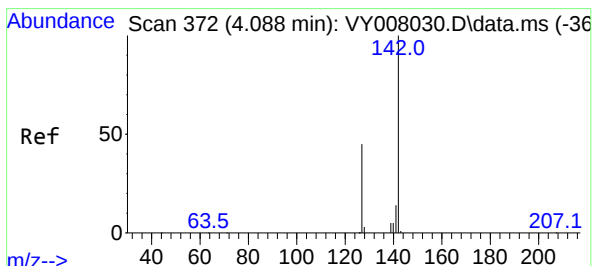
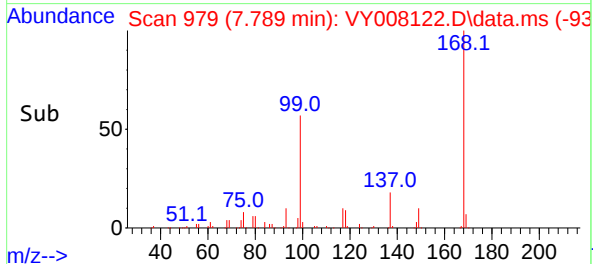
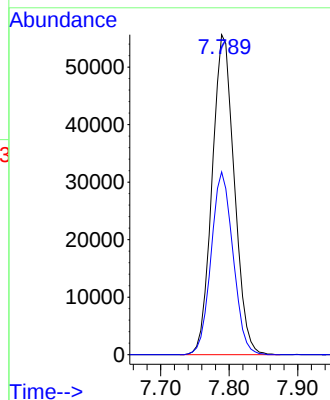
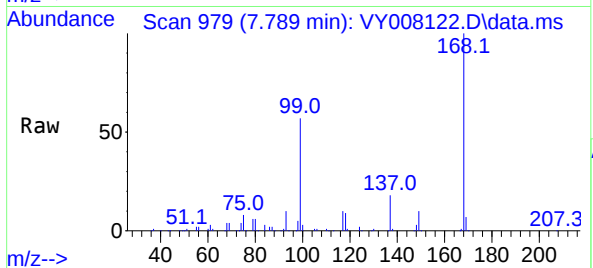




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008122.D
Acq: 30 Mar 2022 19:59

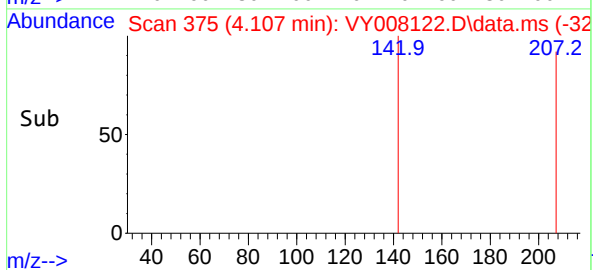
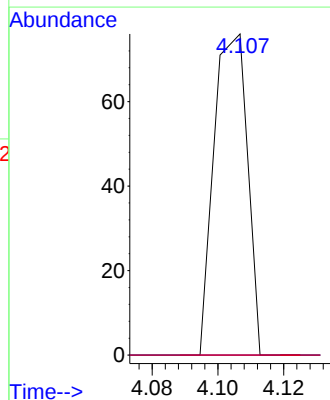
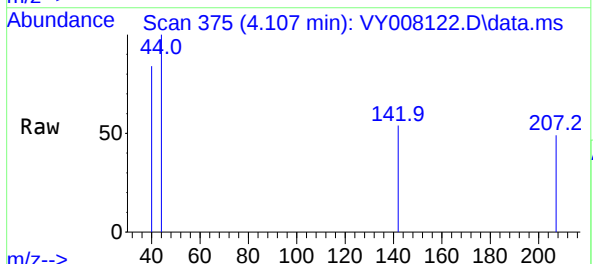
Instrument :
MSVOA_Y
ClientSampleId :
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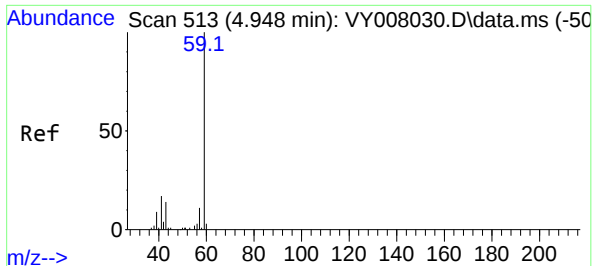
Tgt Ion:168 Resp: 124954
Ion Ratio Lower Upper
168 100
99 57.1 46.9 70.3



#10
Methyl Iodide
Concen: 1.729 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY008122.D
Acq: 30 Mar 2022 19:59

Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

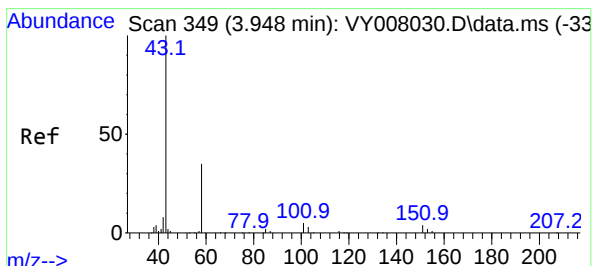
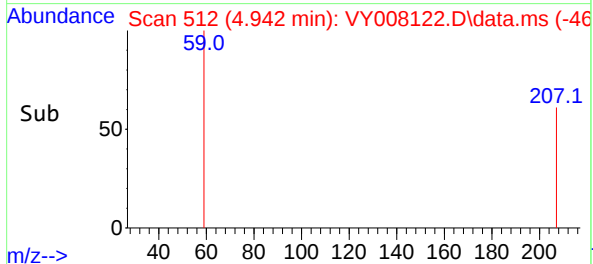
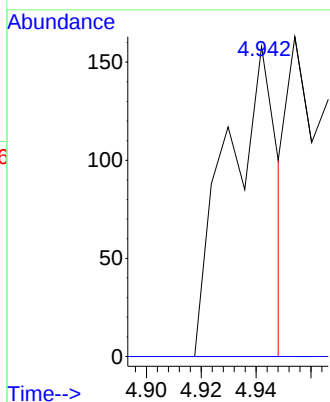
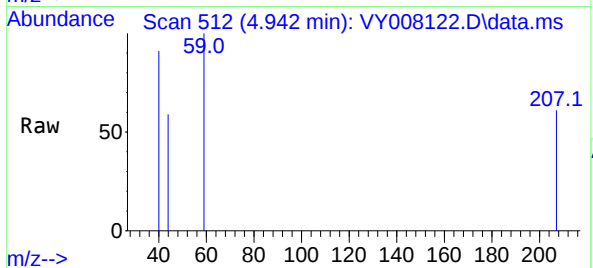




#11
Tert butyl alcohol
Concen: 1.538 ug/l
RT: 4.942 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY008122.D
Acq: 30 Mar 2022 19:59

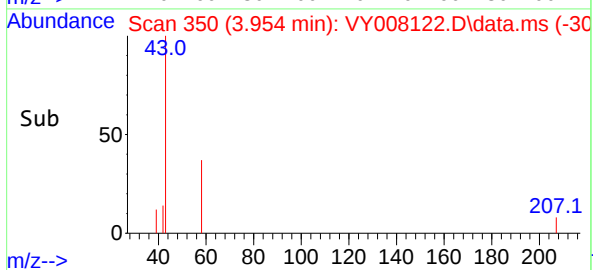
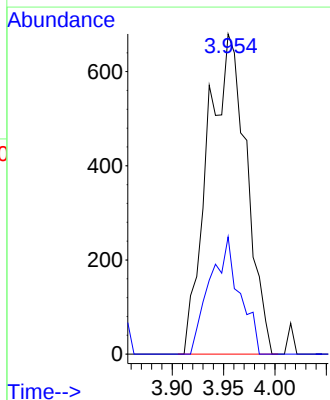
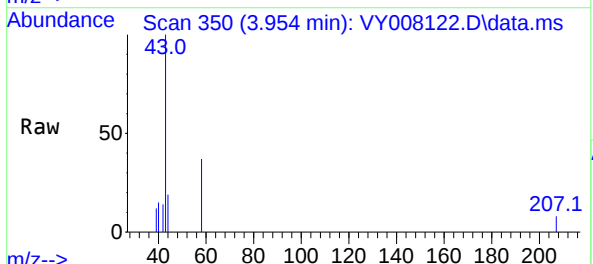
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-2

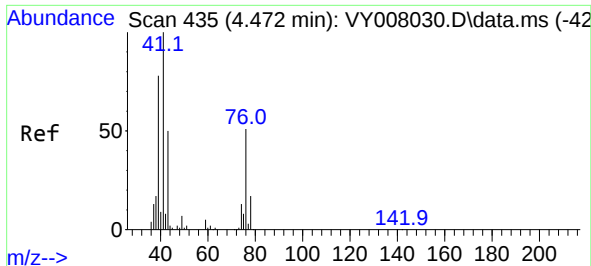
Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 6.215 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY008122.D
Acq: 30 Mar 2022 19:59

Tgt Ion: 43 Resp: 1781
Ion Ratio Lower Upper
43 100
58 36.6 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 41

Delta R.T. 0.007 min

Lab File: VY008122.D

Acq: 30 Mar 2022 19:59

Instrument :

MSVOA_Y

ClientSampleId :

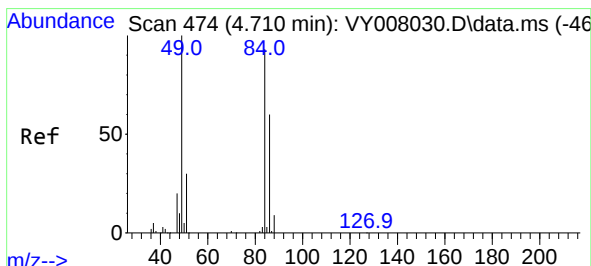
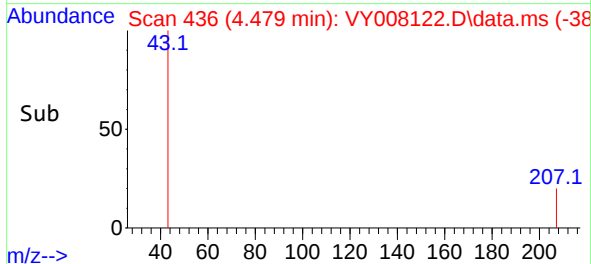
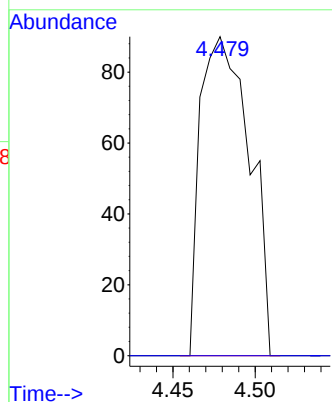
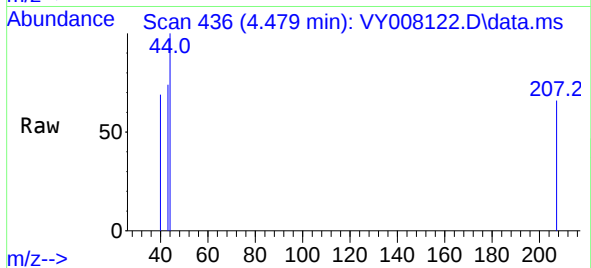
TT-156-IDWSO-20220329-2

Tgt Ion: 43 Resp: 187

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.012 min

Lab File: VY008122.D

Acq: 30 Mar 2022 19:59

Tgt Ion: 84 Resp: 4677

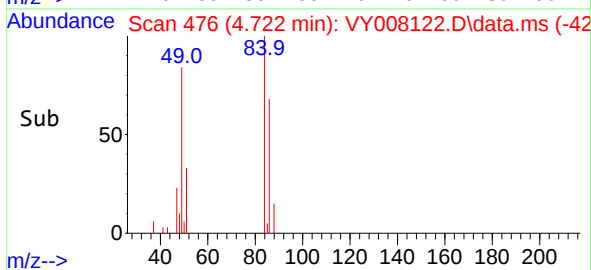
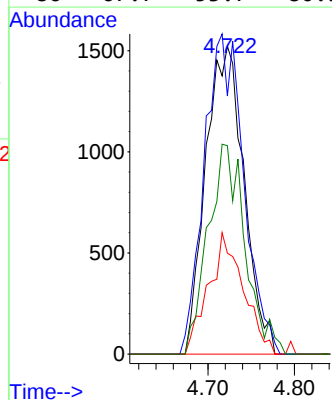
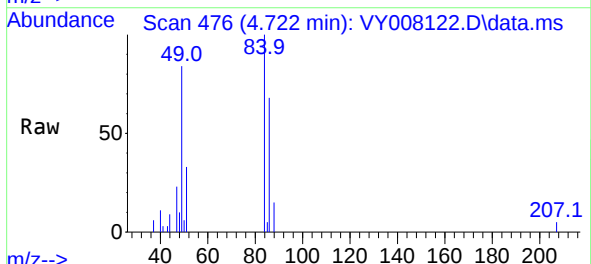
Ion Ratio Lower Upper

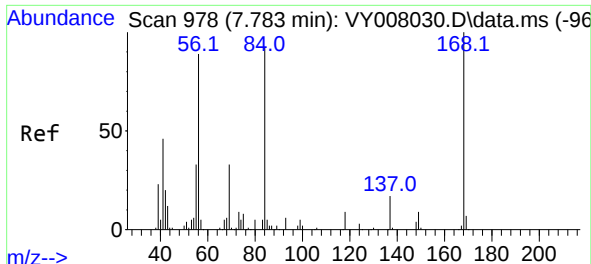
84 100

49 83.8 114.4 171.6#

51 32.8 35.3 52.9#

86 67.7 53.7 80.5

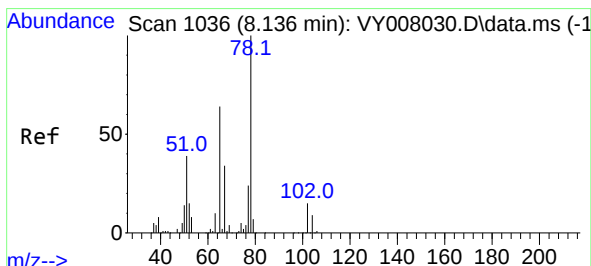
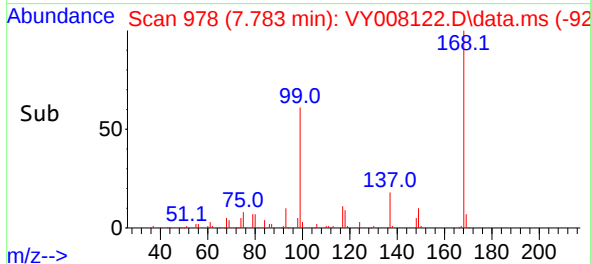
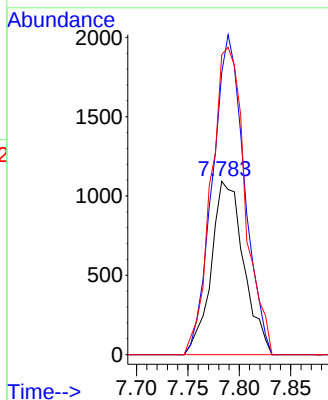
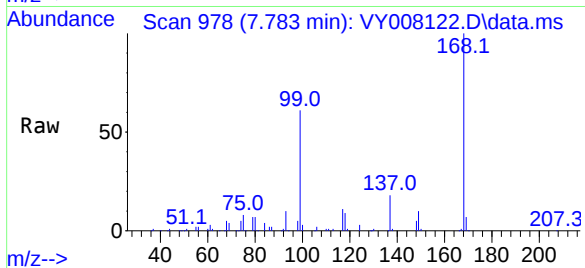




#31
Cyclohexane
Concen: 1.025 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008122.D
Acq: 30 Mar 2022 19:59

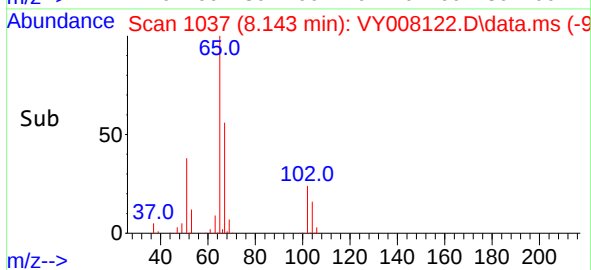
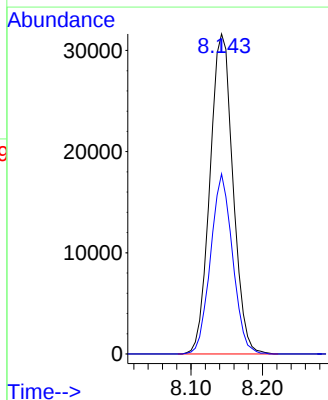
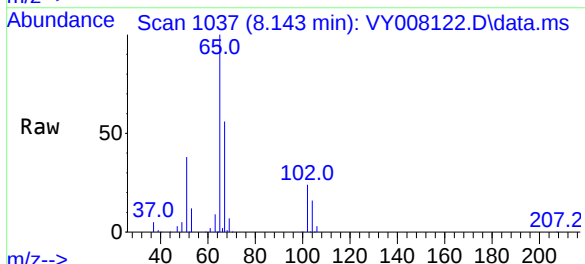
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-2

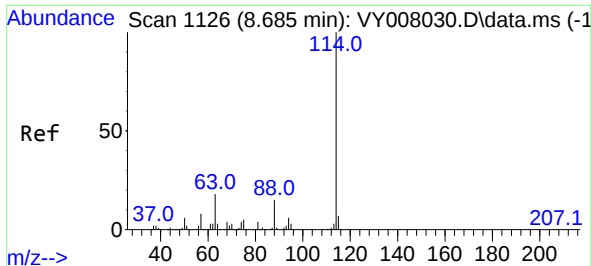
Tgt Ion: 56 Resp: 2402
Ion Ratio Lower Upper
56 100
69 162.8 26.7 40.1#
84 173.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.372 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY008122.D
Acq: 30 Mar 2022 19:59

Tgt Ion: 65 Resp: 70672
Ion Ratio Lower Upper
65 100
67 53.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY008122.D

Acq: 30 Mar 2022 19:59

Instrument :

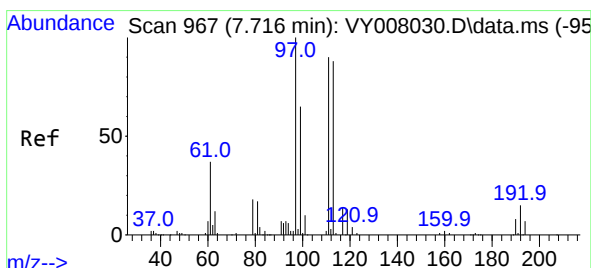
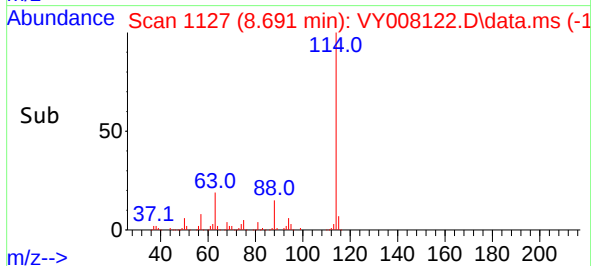
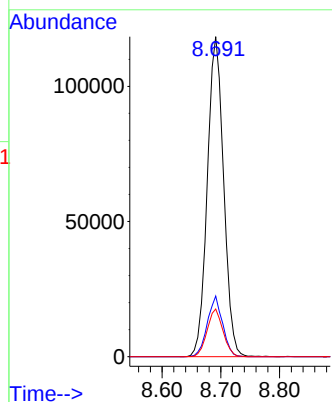
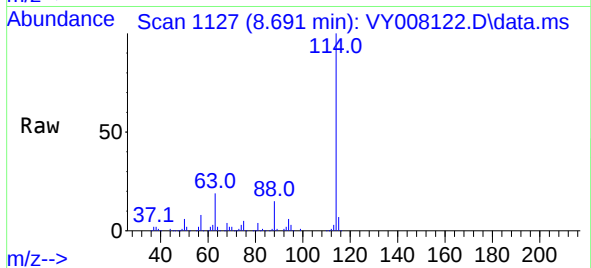
MSVOA_Y

ClientSampleId :

TT-156-IDWSO-20220329-2

Tgt Ion:114 Resp: 228490

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	43.2
88	14.9	0.0	31.8



#35

Dibromofluoromethane

Concen: 50.285 ug/l

RT: 7.716 min Scan# 967

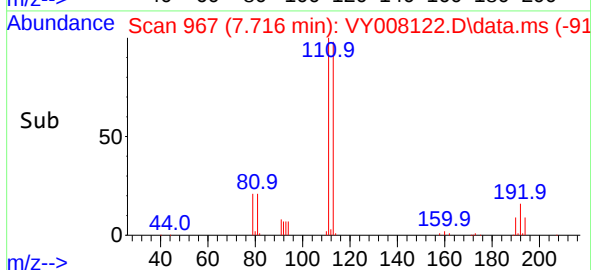
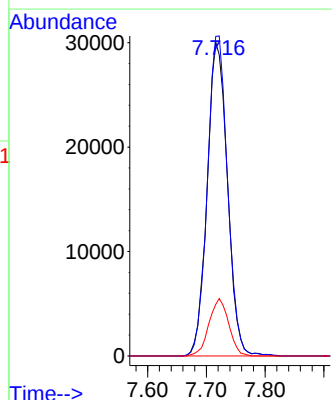
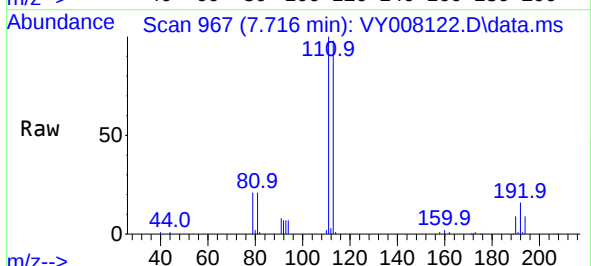
Delta R.T. -0.000 min

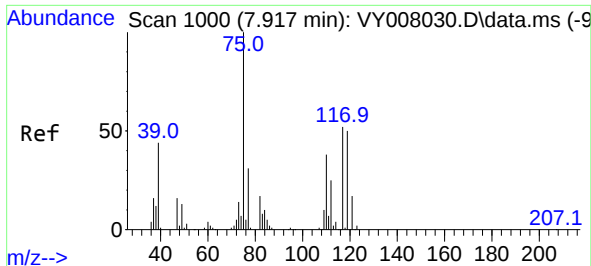
Lab File: VY008122.D

Acq: 30 Mar 2022 19:59

Tgt Ion:113 Resp: 72037

Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	124.0
192	17.8	17.6	26.4





#36

1,1-Dichloropropene

Concen: 4.416 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008122.D

Acq: 30 Mar 2022 19:59

Instrument :

MSVOA_Y

ClientSampleId :

TT-156-IDWSO-20220329-2

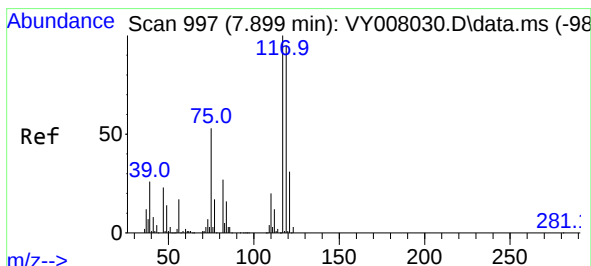
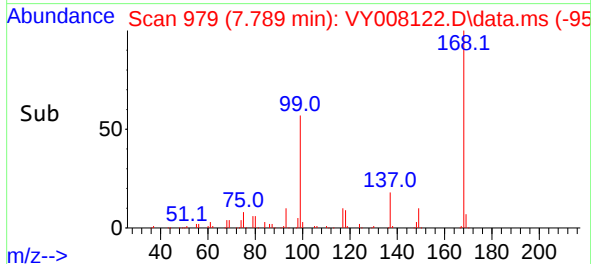
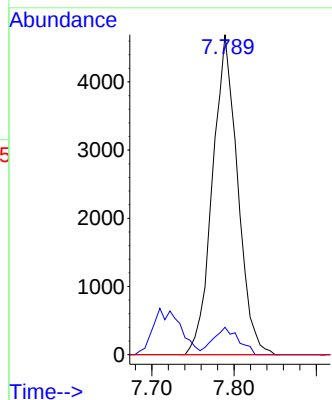
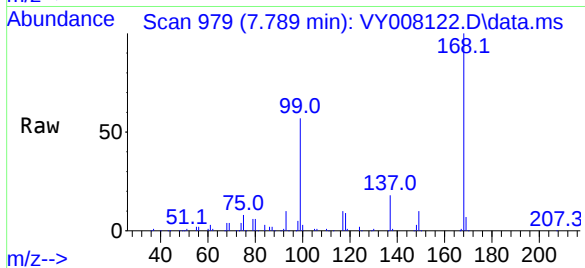
Tgt Ion: 75 Resp: 9938

Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.326 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008122.D

Acq: 30 Mar 2022 19:59

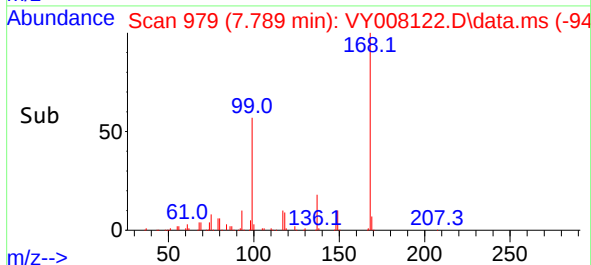
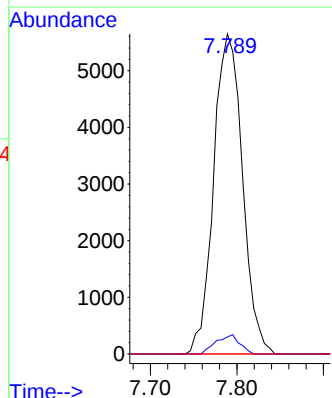
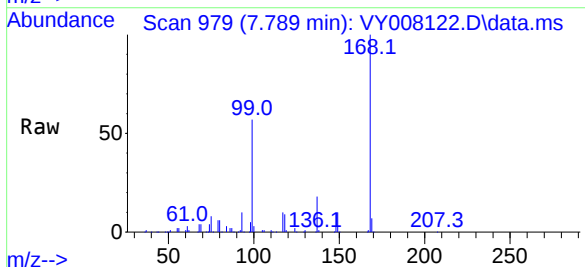
Tgt Ion: 117 Resp: 13061

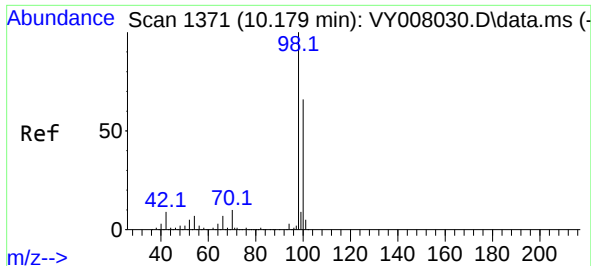
Ion Ratio Lower Upper

117 100

119 5.3 77.9 116.9#

121 0.0 24.8 37.2#

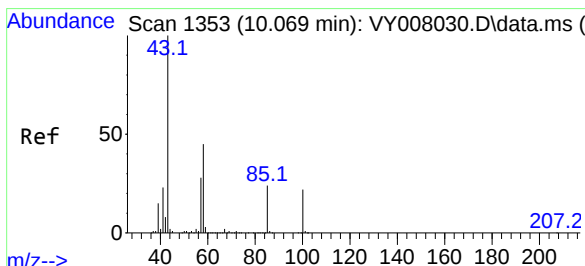
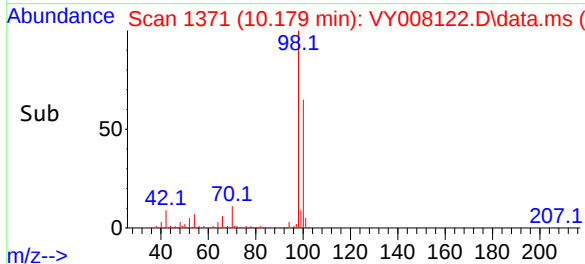
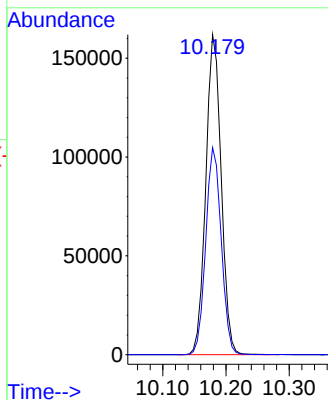
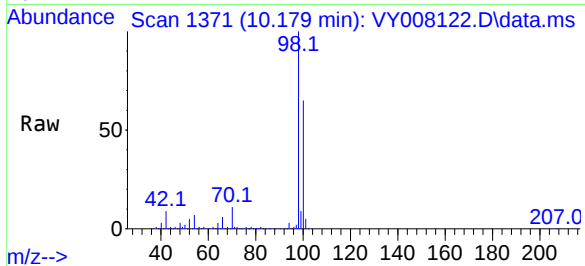




#50
Toluene-d8
Concen: 50.815 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008122.D
Acq: 30 Mar 2022 19:59

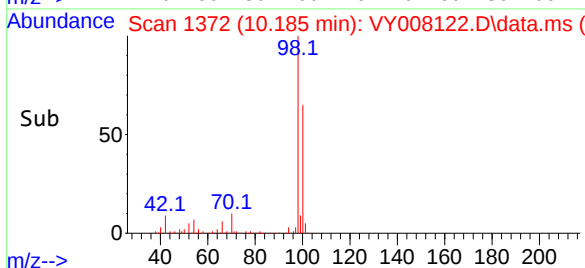
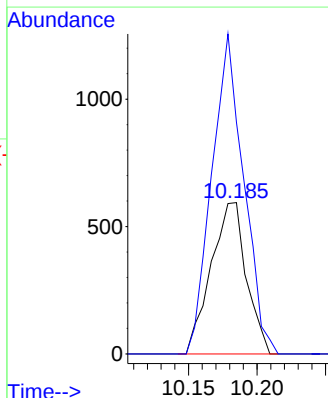
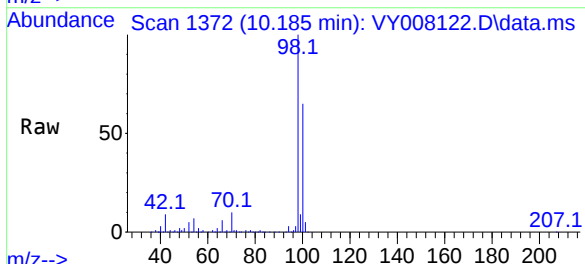
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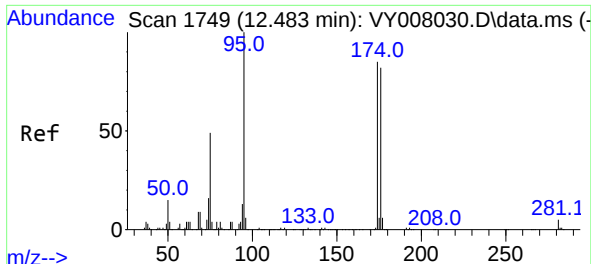
Tgt Ion: 98 Resp: 274260
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.022 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.116 min
Lab File: VY008122.D
Acq: 30 Mar 2022 19:59

Tgt Ion: 43 Resp: 1064
Ion Ratio Lower Upper
43 100
58 191.3 28.1 42.1#

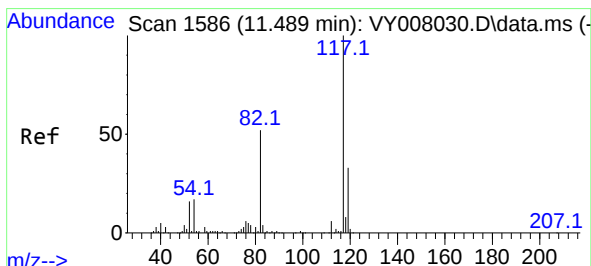
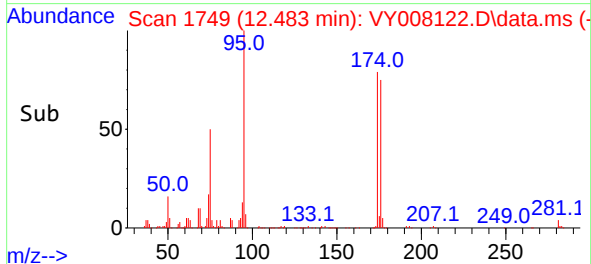
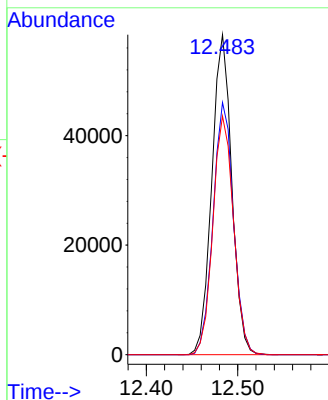
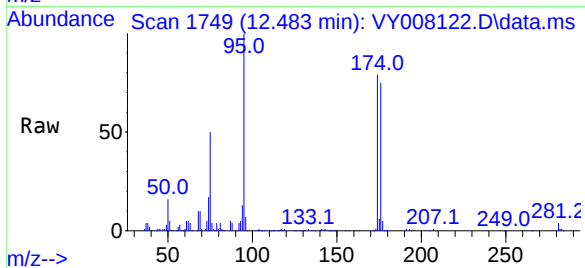




#62
4-Bromofluorobenzene
Concen: 46.408 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008122.D
Acq: 30 Mar 2022 19:59

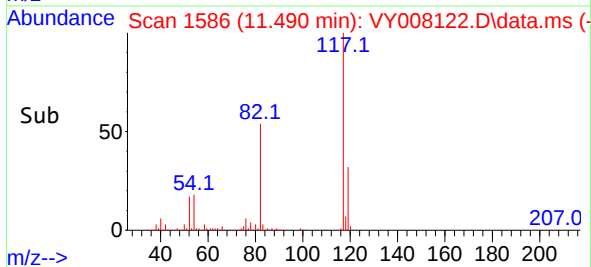
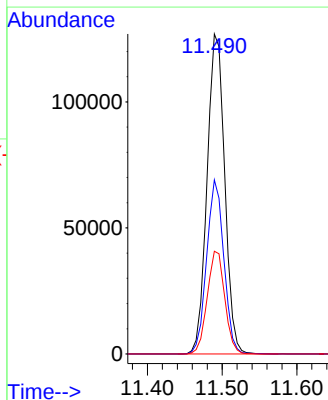
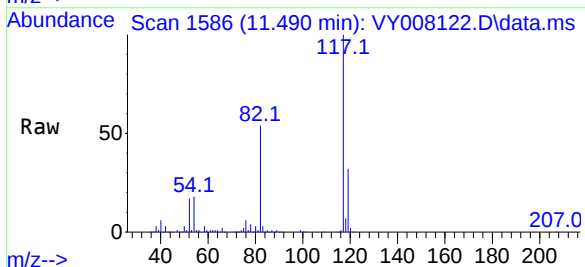
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-2

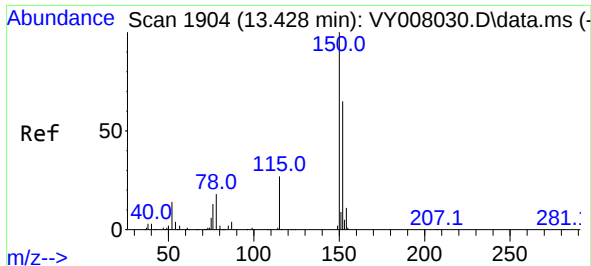
Tgt Ion:	95	Resp:	88368
Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	177.0
176	77.2	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008122.D
Acq: 30 Mar 2022 19:59

Tgt Ion:	117	Resp:	208132
Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.0	64.4
119	32.1	25.4	38.0

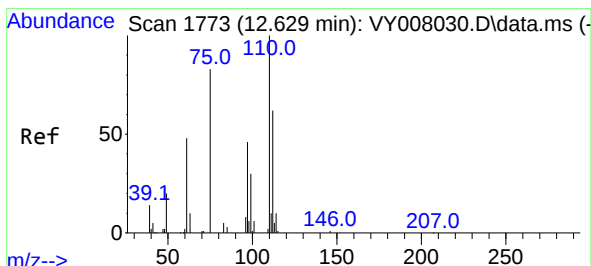
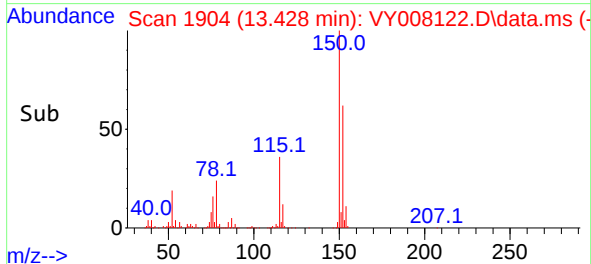
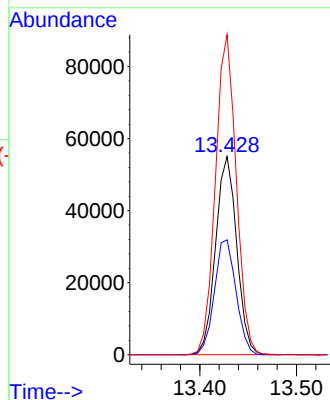
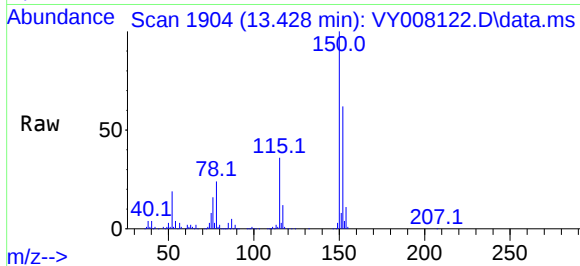




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008122.D
 Acq: 30 Mar 2022 19:59

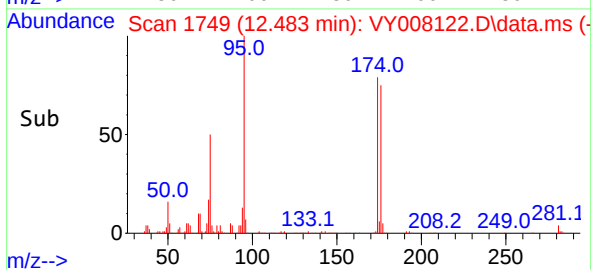
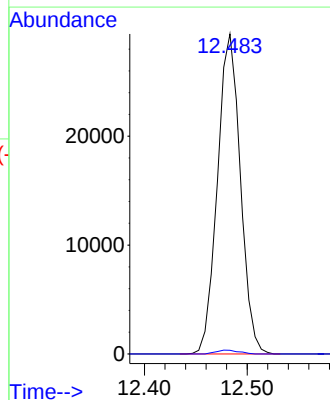
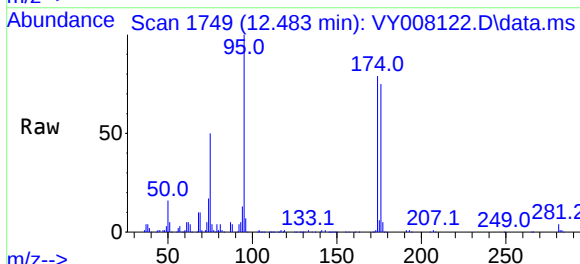
Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-156-IDWSO-20220329-2

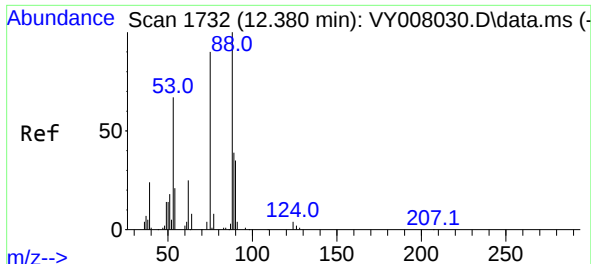
Tgt Ion:152 Resp: 83348
 Ion Ratio Lower Upper
 152 100
 115 59.4 28.2 84.7
 150 159.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.811 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008122.D
 Acq: 30 Mar 2022 19:59

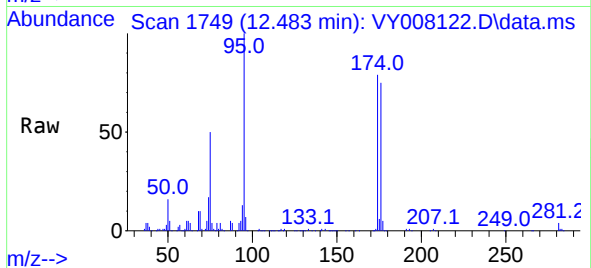
Tgt Ion: 75 Resp: 45529
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.981 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY008122.D
 Acq: 30 Mar 2022 19:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-156-IDWSO-20220329-2



Tgt Ion: 75 Resp: 45529
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

