

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033122\
 Data File : VY008133.D
 Acq On : 31 Mar 2022 12:48
 Operator : SY/MD
 Sample : N2176-03
 Misc : 5.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-156-IDWSO-20220329-3

Quant Time: Mar 31 14:23:13 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)

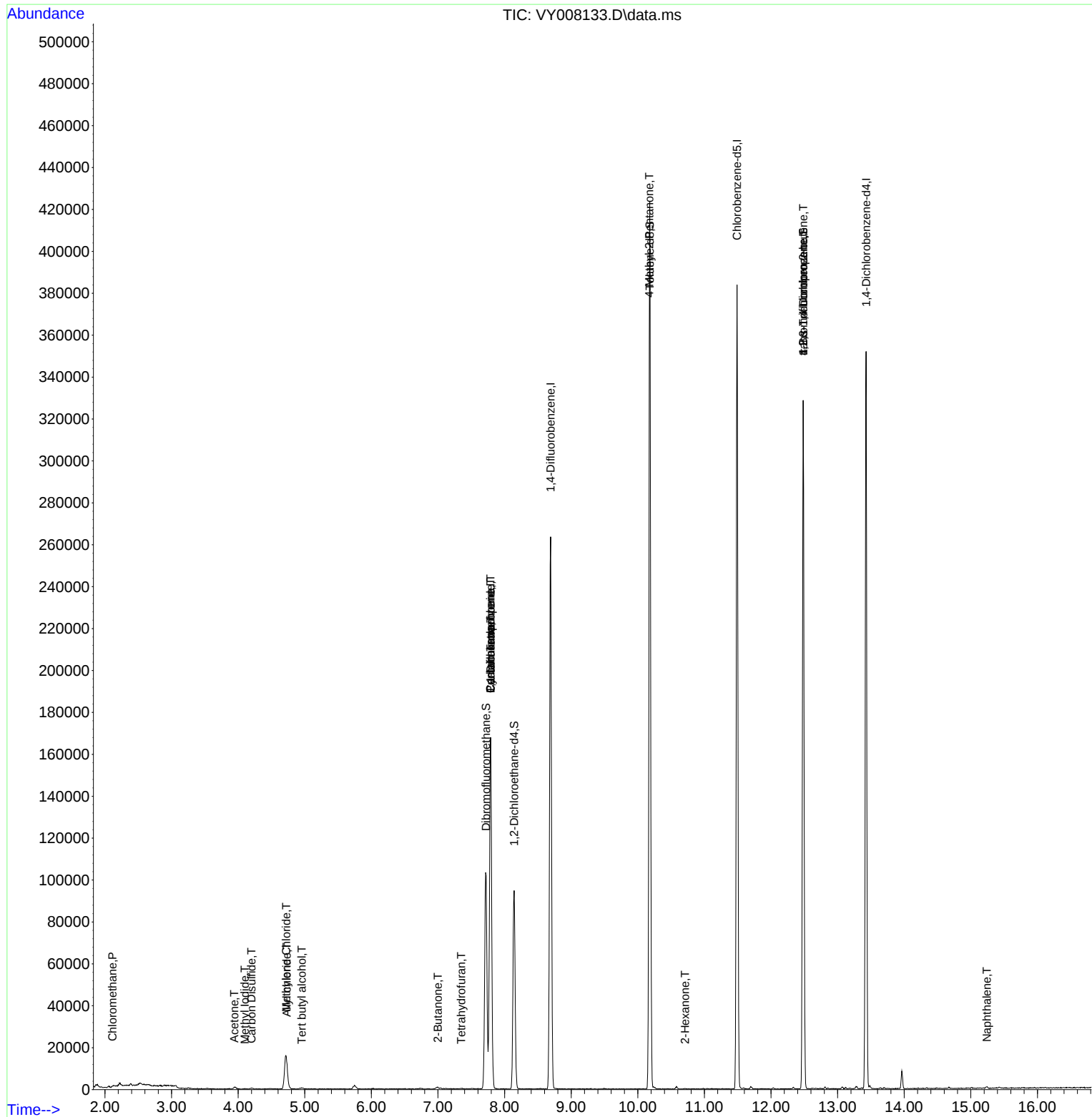
Internal Standards						
1) Pentafluorobenzene	7.789	168	130515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	236554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	217734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	73932	56.460	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.920%
35) Dibromofluoromethane	7.722	113	74898	50.500	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.000%
50) Toluene-d8	10.179	98	285046	51.013	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.020%
62) 4-Bromofluorobenzene	12.483	95	93288	47.322	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.640%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	289	0.202	ug/l #	44
10) Methyl Iodide	4.101	142	71	1.737	ug/l #	35
11) Tert butyl alcohol	4.954	59	1141	8.398	ug/l #	77
14) Allyl chloride	4.729	41	395	0.217	ug/l #	22
16) Acetone	3.942	43	1461	4.881	ug/l #	86
17) Carbon Disulfide	4.198	76	907	0.231	ug/l #	75
18) Methyl Acetate	4.473	43	272	Below Cal	#	56
20) Methylene Chloride	4.722	84	13254	4.416	ug/l #	71
25) 2-Butanone	6.996	43	105	0.231	ug/l #	54
29) Tetrahydrofuran	7.350	42	187	0.632	ug/l #	65
31) Cyclohexane	7.789	56	2630	1.074	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10070	4.322	ug/l #	51
38) Carbon Tetrachloride	7.789	117	13238	5.214	ug/l #	14
51) 4-Methyl-2-Pentanone	10.173	43	954	0.885	ug/l #	1
59) 2-Hexanone	10.709	43	170	0.225	ug/l #	28
76) 1,2,3-Trichloropropane	12.483	75	48788	44.723	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48788	99.783	ug/l #	7
95) Naphthalene	15.239	128	1021	0.261	ug/l #	84

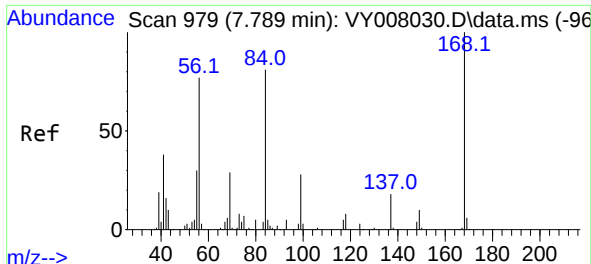
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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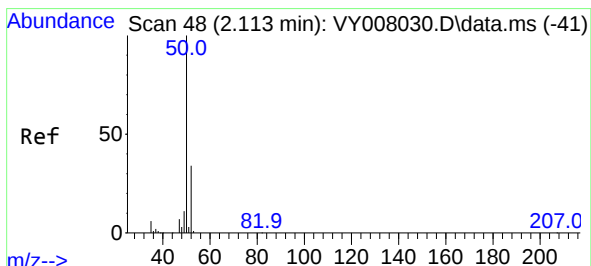
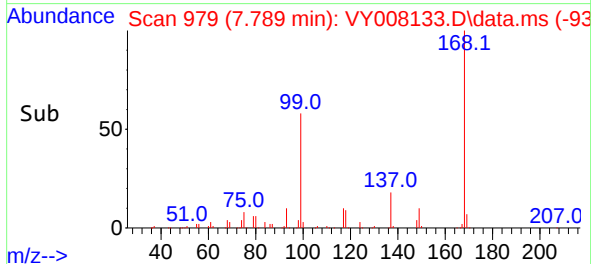
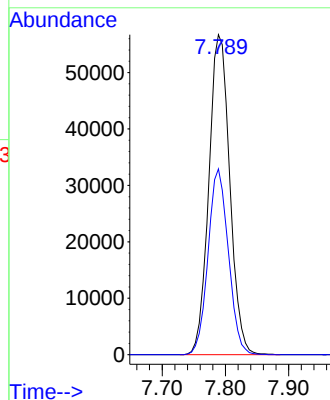
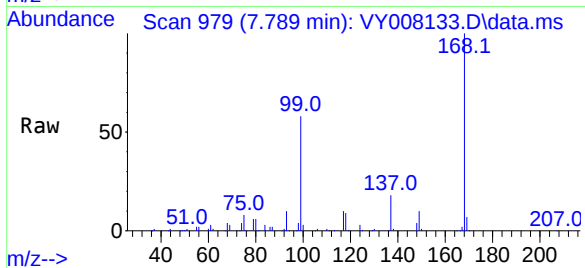




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

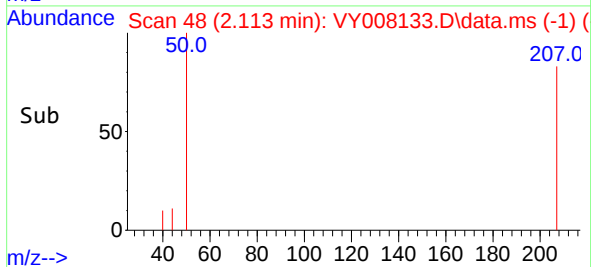
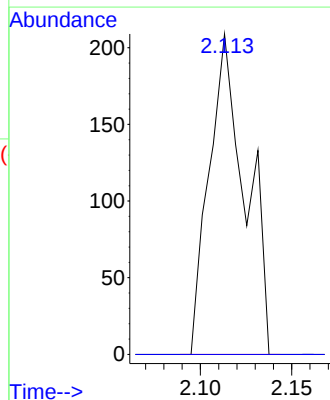
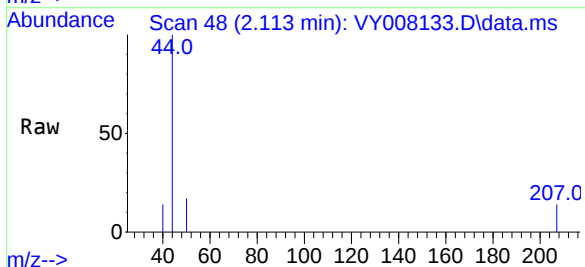
Instrument :
MSVOA_Y
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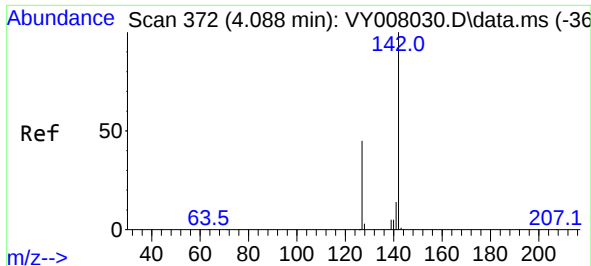
Tgt Ion:168 Resp: 130515
Ion Ratio Lower Upper
168 100
99 58.0 46.9 70.3



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

Tgt Ion: 50 Resp: 289
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

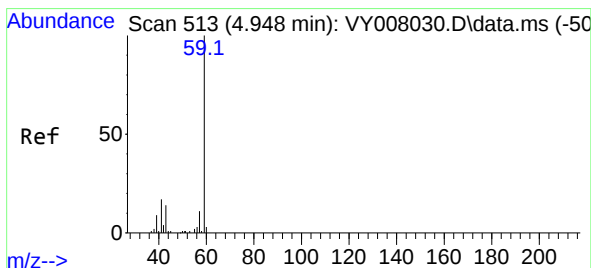
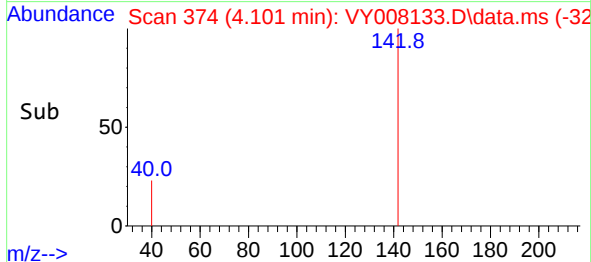
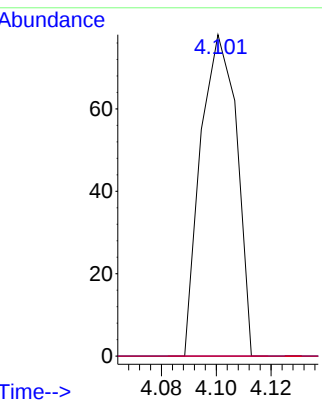
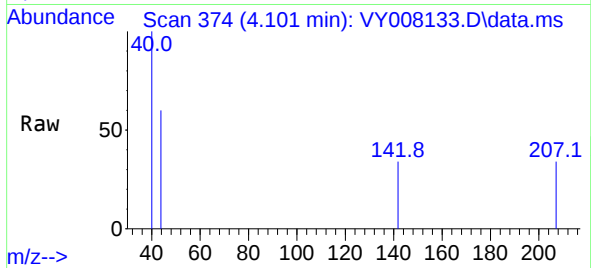




#10
Methyl Iodide
Concen: 1.737 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

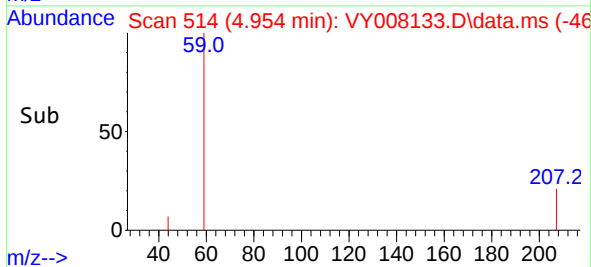
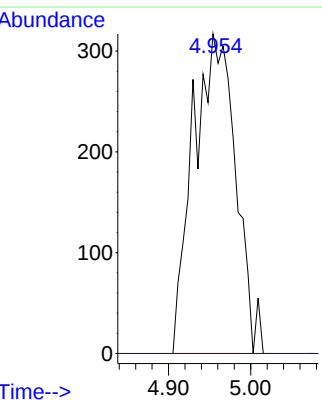
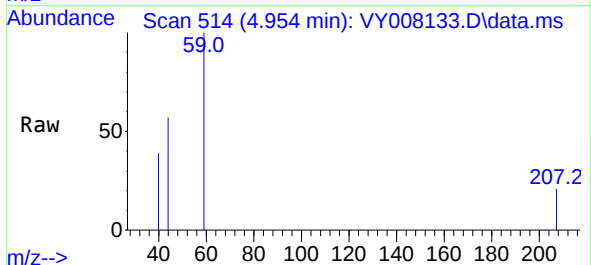
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-3

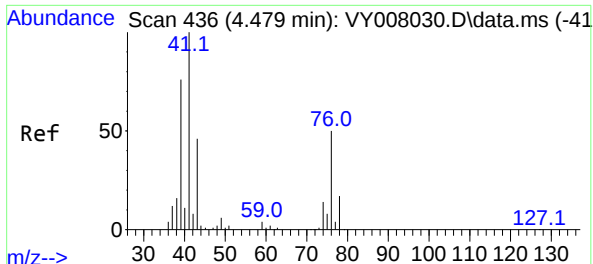
Tgt Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: 8.398 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

Tgt Ion: 59 Resp: 1141
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#14

Allyl chloride

Concen: 0.217 ug/l

RT: 4.729 min Scan# 41

Delta R.T. 0.250 min

Lab File: VY008133.D

Acq: 31 Mar 2022 12:48

Instrument :

MSVOA_Y

ClientSampleId :

TT-156-IDWSO-20220329-3

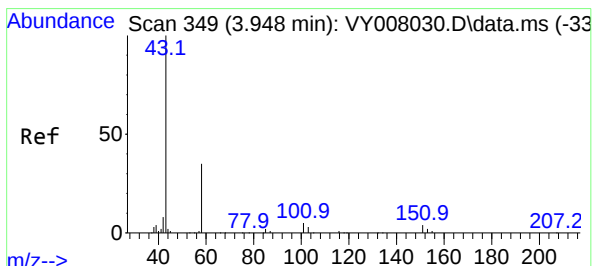
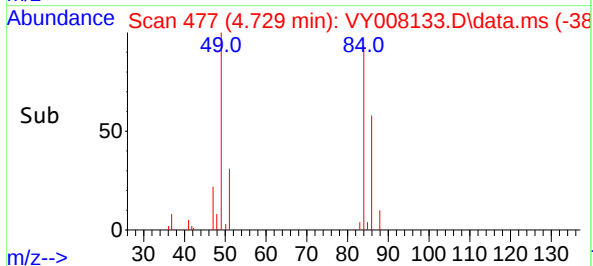
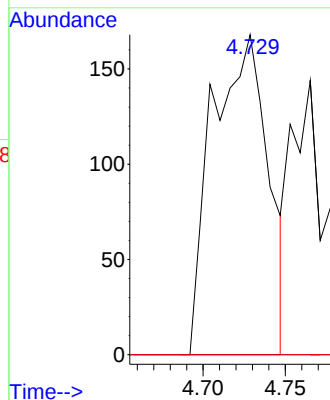
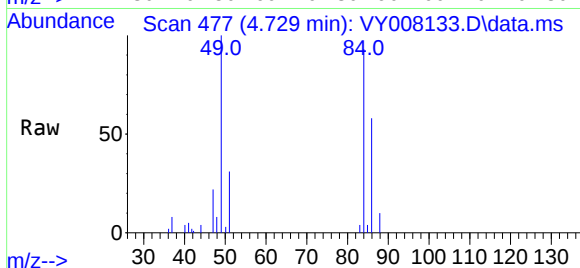
Tgt Ion: 41 Resp: 395

Ion Ratio Lower Upper

41 100

39 0.0 58.8 88.2#

76 0.0 25.1 37.7#



#16

Acetone

Concen: 4.881 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY008133.D

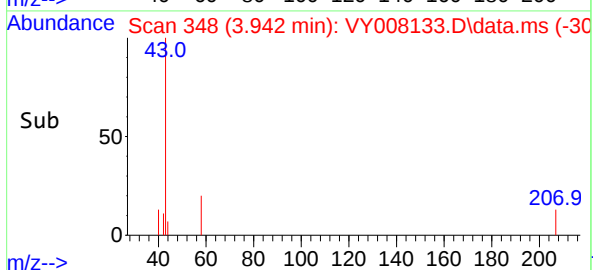
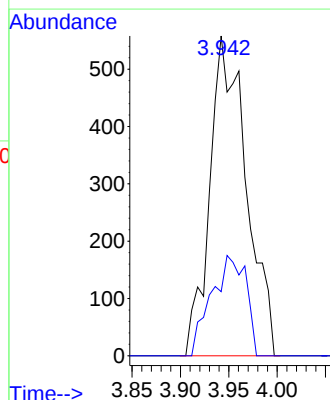
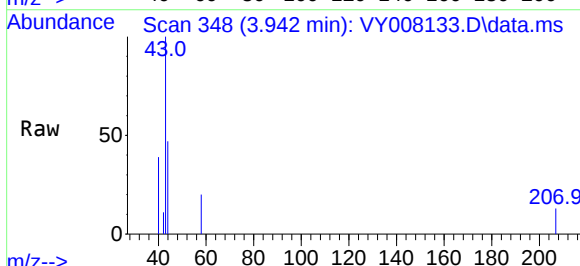
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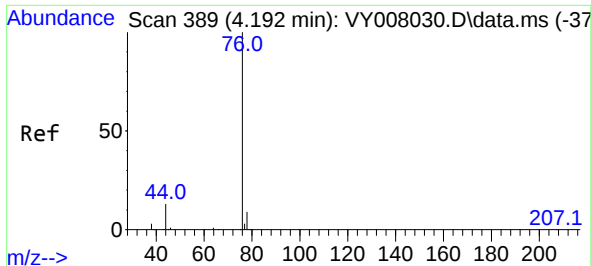
Tgt Ion: 43 Resp: 1461

Ion Ratio Lower Upper

43 100

58 20.1 22.0 33.0#

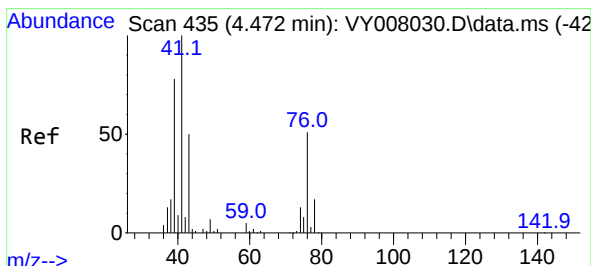
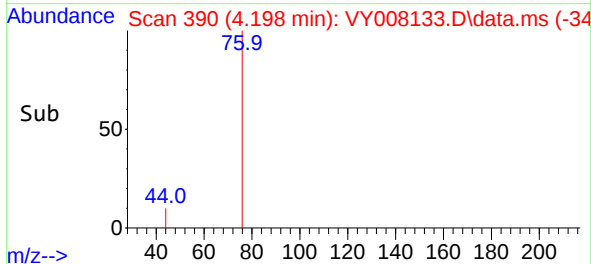
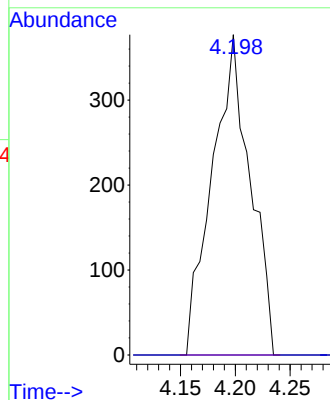
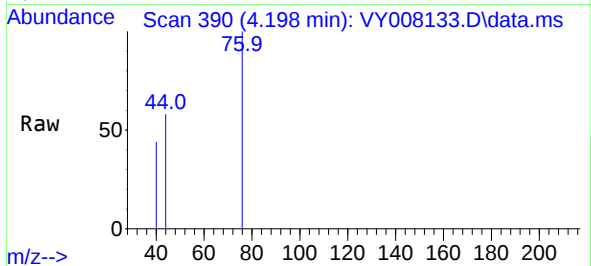




#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

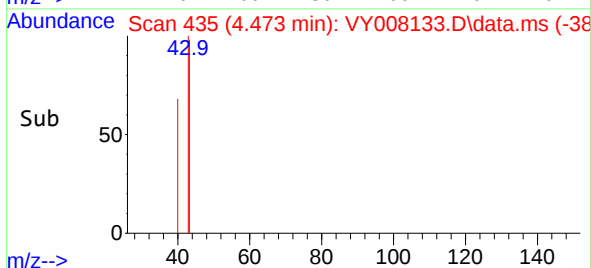
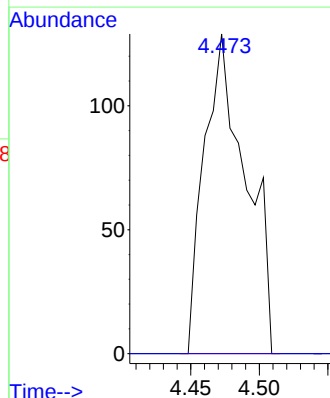
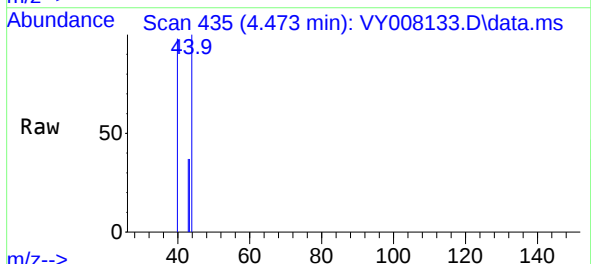
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-3

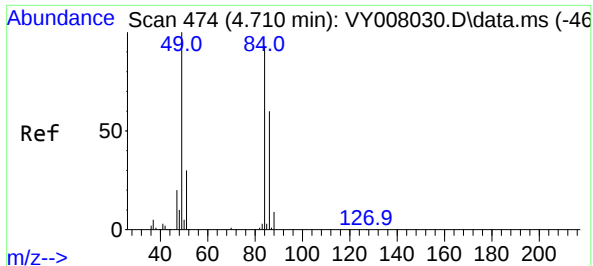
Tgt Ion: 76 Resp: 907
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. 0.000 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

Tgt Ion: 43 Resp: 272
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

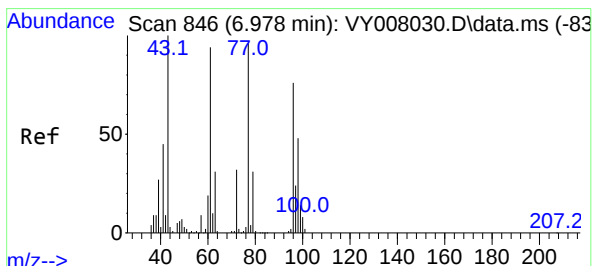
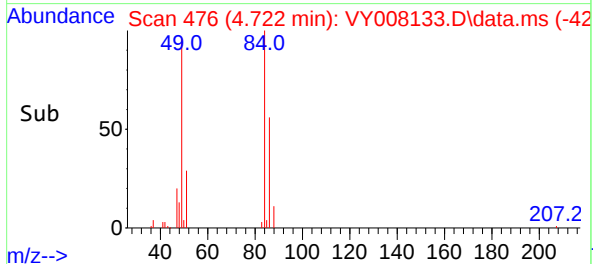
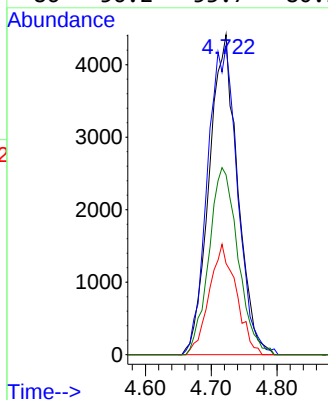
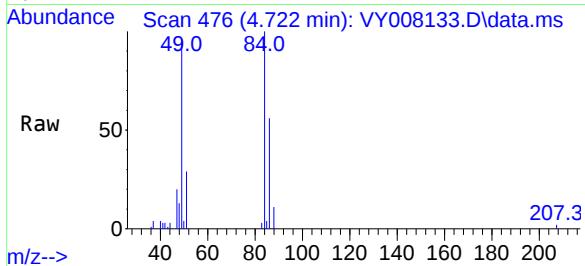




#20
Methylene Chloride
Concen: 4.416 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

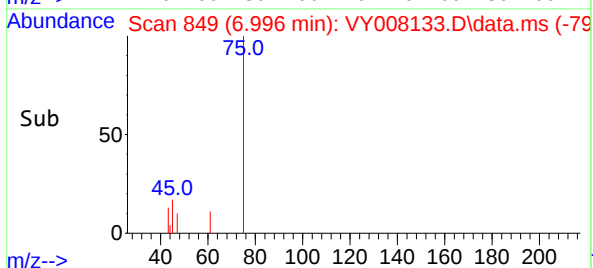
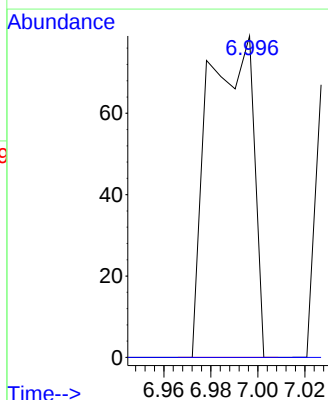
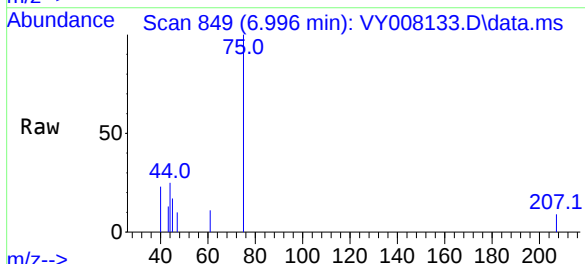
Instrument :
MSVOA_Y
ClientSampleId :
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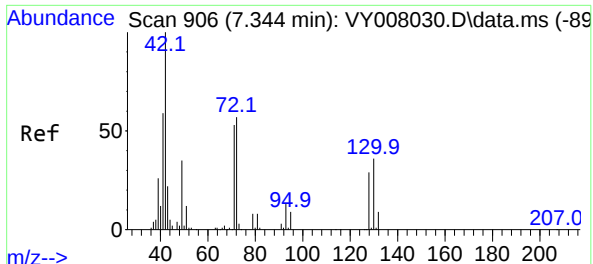
Tgt Ion:	84	Resp:	13254
Ion	Ratio	Lower	Upper
84	100		
49	96.5	114.4	171.6#
51	28.5	35.3	52.9#
86	56.2	53.7	80.5



#25
2-Butanone
Concen: 0.231 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

Tgt Ion:	43	Resp:	105
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#29

Tetrahydrofuran

Concen: 0.632 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY008133.D

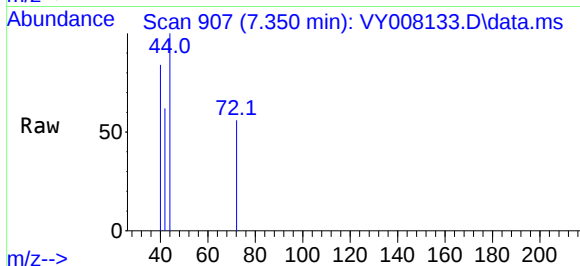
Acq: 31 Mar 2022 12:48

Instrument :

MSVOA_Y

ClientSampleId :

TT-156-IDWSO-20220329-3



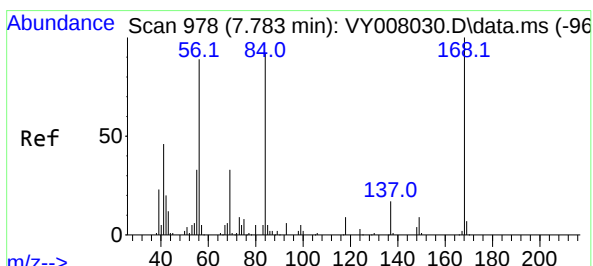
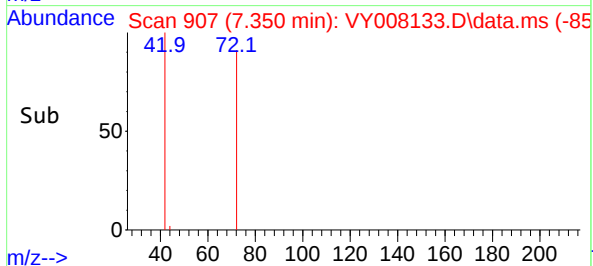
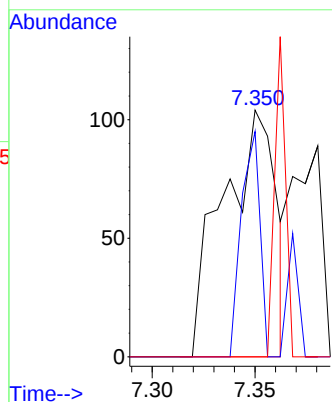
Tgt Ion: 42 Resp: 187

Ion Ratio Lower Upper

42 100

72 32.1 30.3 45.5

71 0.0 29.0 43.4#



#31

Cyclohexane

Concen: 1.074 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008133.D

Acq: 31 Mar 2022 12:48

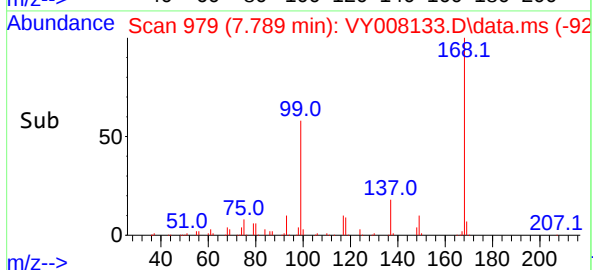
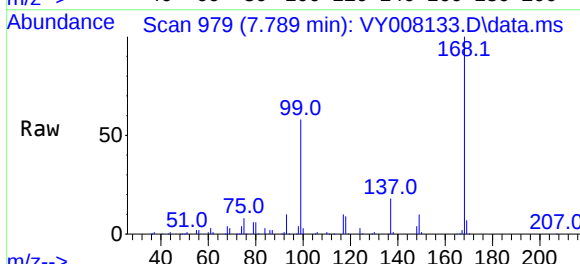
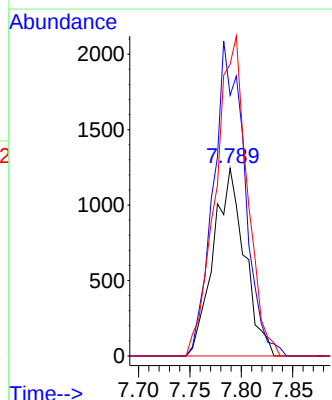
Tgt Ion: 56 Resp: 2630

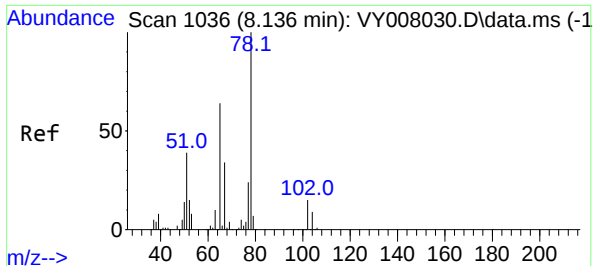
Ion Ratio Lower Upper

56 100

69 138.8 26.7 40.1#

84 155.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 56.460 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY008133.D

Acq: 31 Mar 2022 12:48

Instrument :

MSVOA_Y

ClientSampleId :

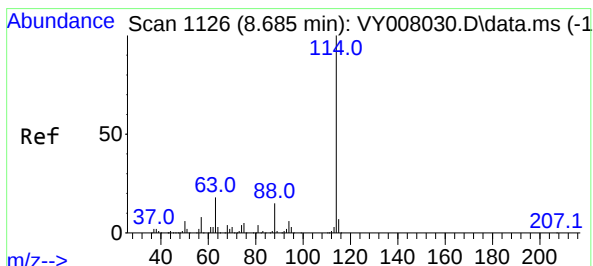
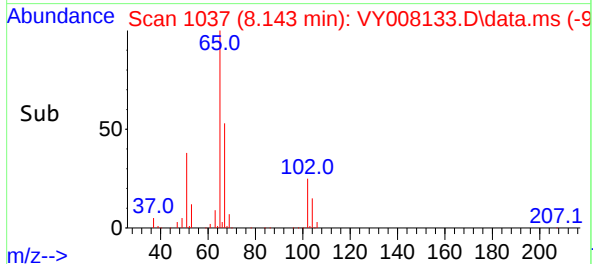
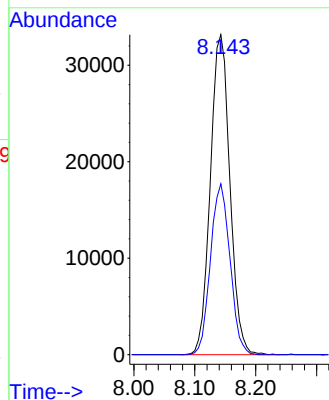
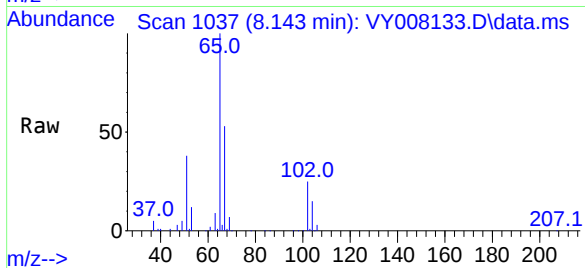
TT-156-IDWSO-20220329-3

Tgt Ion: 65 Resp: 73932

Ion Ratio Lower Upper

65 100

67 53.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008133.D

Acq: 31 Mar 2022 12:48

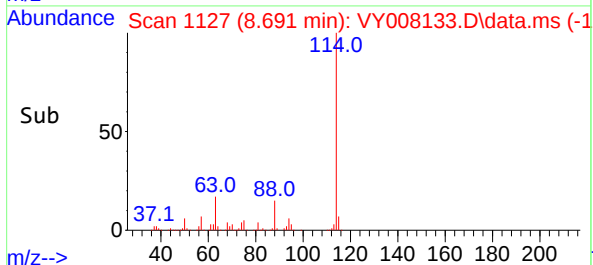
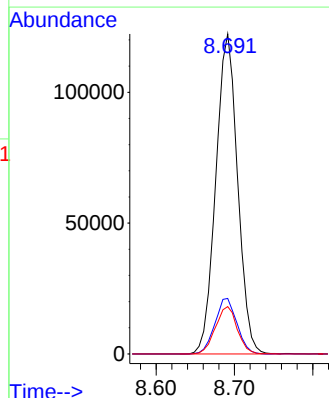
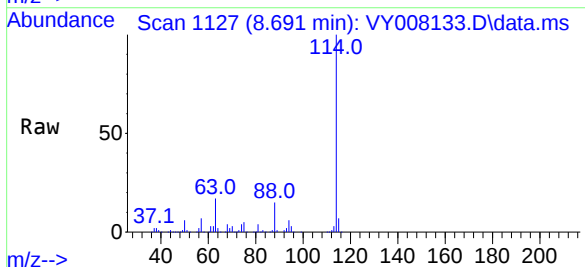
Tgt Ion: 114 Resp: 236554

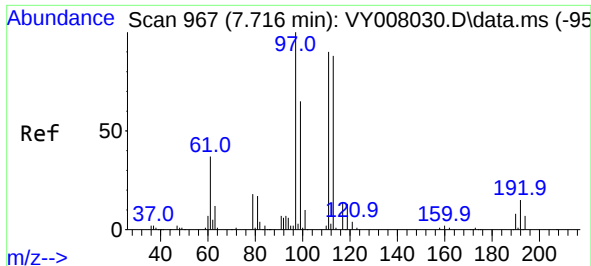
Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

88 14.8 0.0 31.8

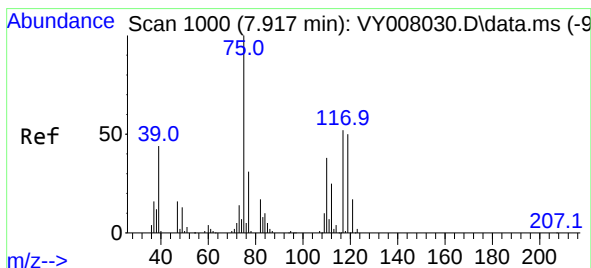
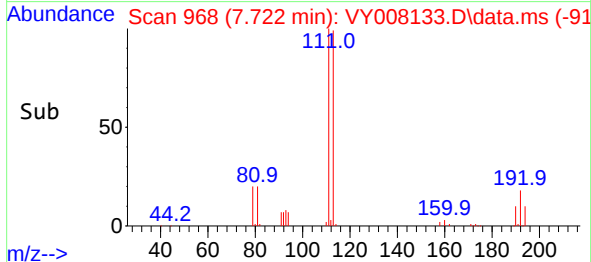
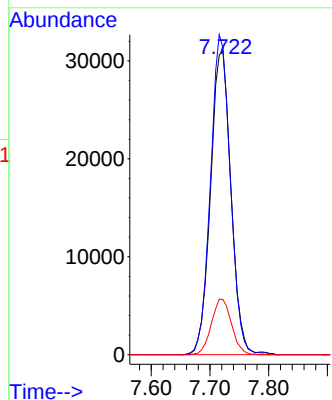
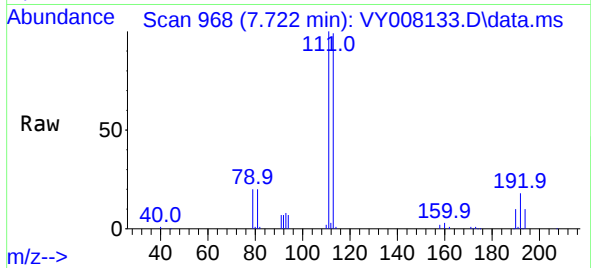




#35
 Dibromofluoromethane
 Concen: 50.500 ug/l
 RT: 7.722 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY008133.D
 Acq: 31 Mar 2022 12:48

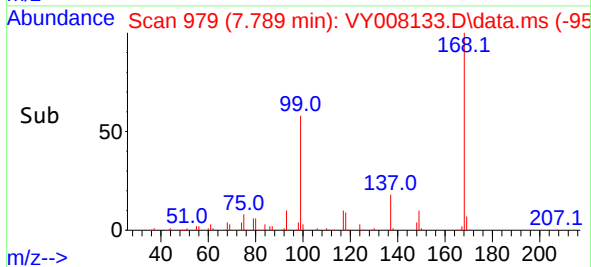
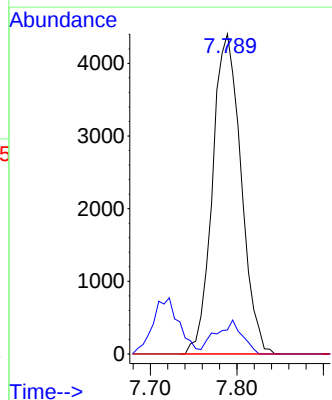
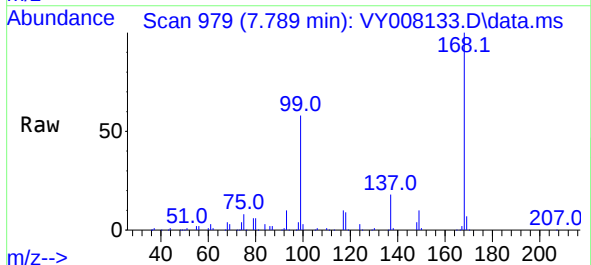
Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-156-IDWSO-20220329-3

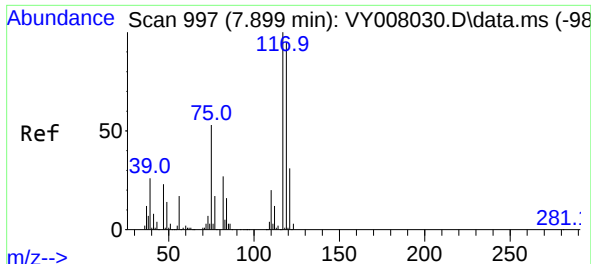
Tgt Ion:113 Resp: 74898
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.6 124.0
 192 18.0 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 4.322 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.128 min
 Lab File: VY008133.D
 Acq: 31 Mar 2022 12:48

Tgt Ion: 75 Resp: 10070
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.1 51.2#
 77 0.0 24.4 36.6#

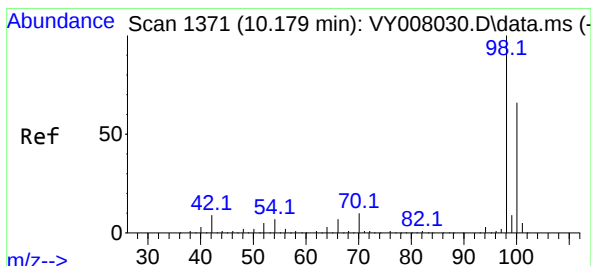
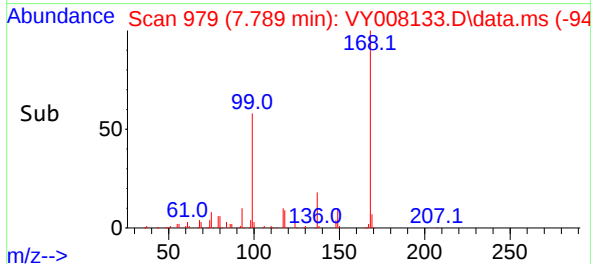
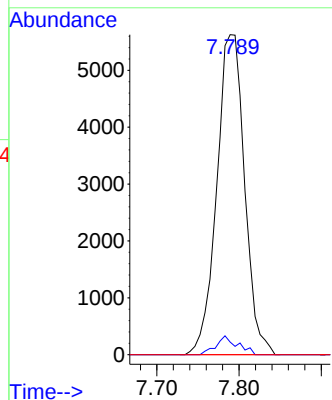
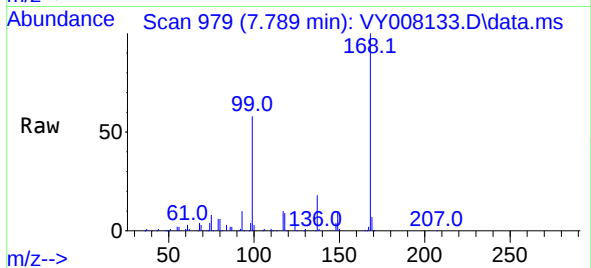




#38
Carbon Tetrachloride
Concen: 5.214 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

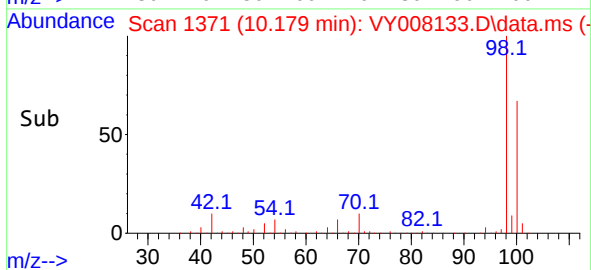
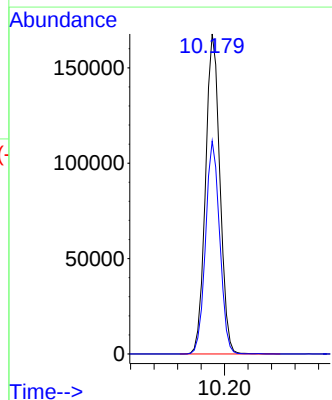
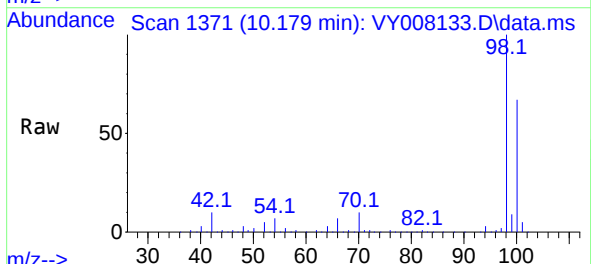
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-3

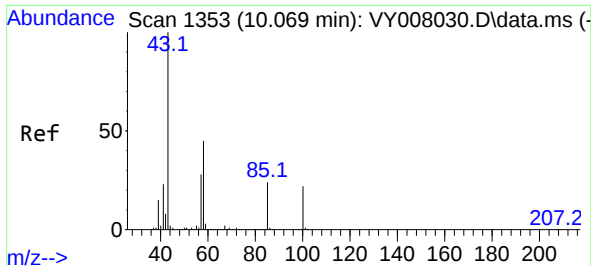
Tgt Ion:117 Resp: 13238
Ion Ratio Lower Upper
117 100
119 3.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.013 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

Tgt Ion: 98 Resp: 285046
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2

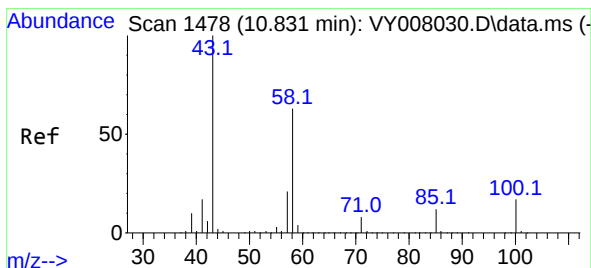
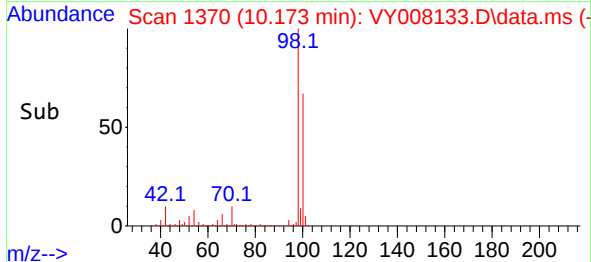
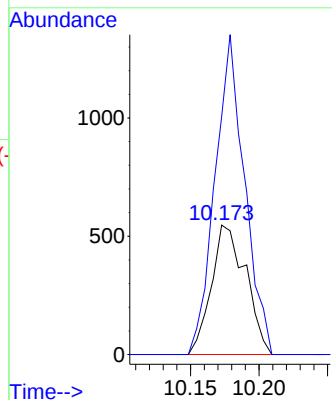
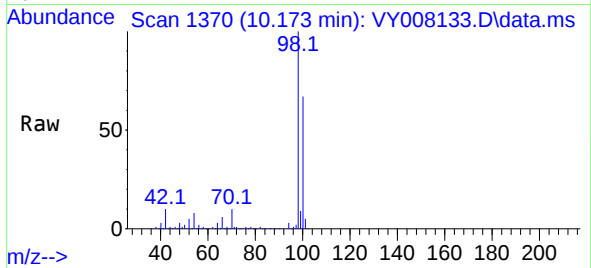




#51
4-Methyl-2-Pentanone
Concen: 0.885 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

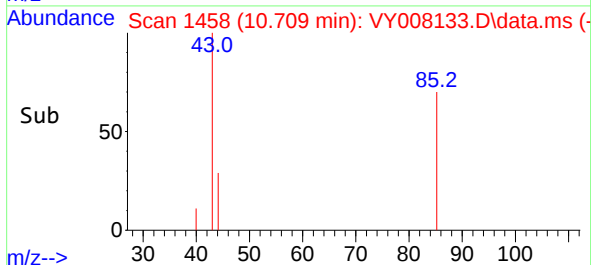
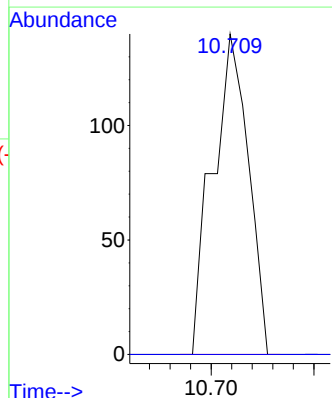
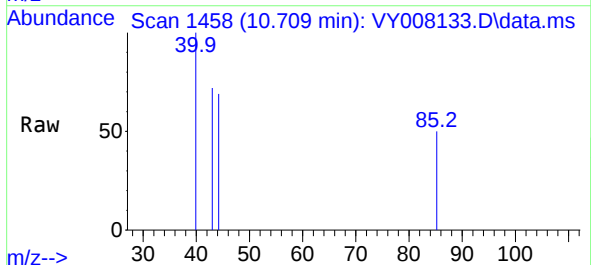
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-3

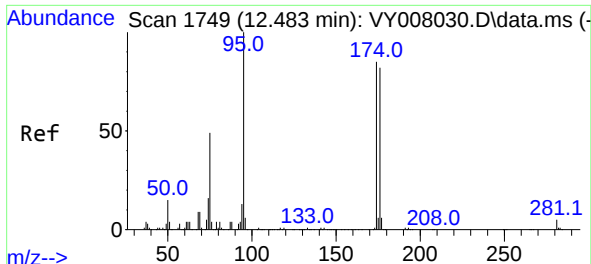
Tgt Ion: 43 Resp: 954
Ion Ratio Lower Upper
43 100
58 213.1 28.1 42.1#



#59
2-Hexanone
Concen: 0.225 ug/l
RT: 10.709 min Scan# 1458
Delta R.T. -0.122 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

Tgt Ion: 43 Resp: 170
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

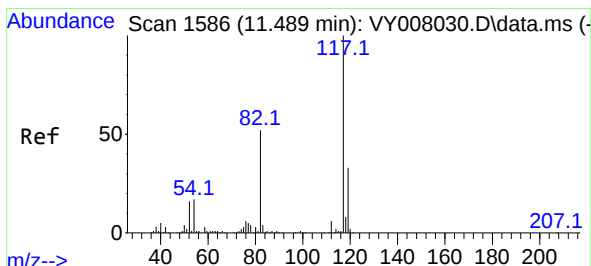
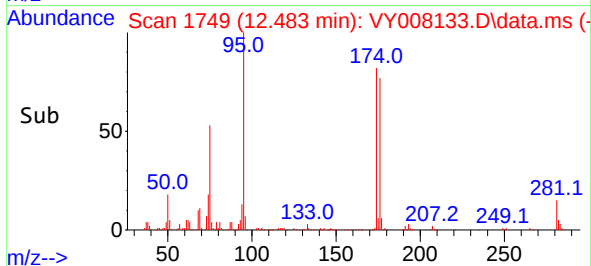
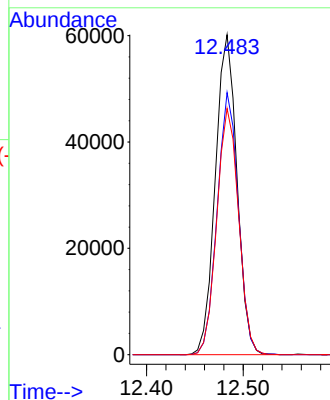
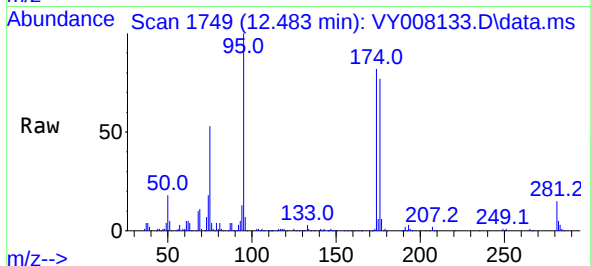




#62
4-Bromofluorobenzene
Concen: 47.322 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

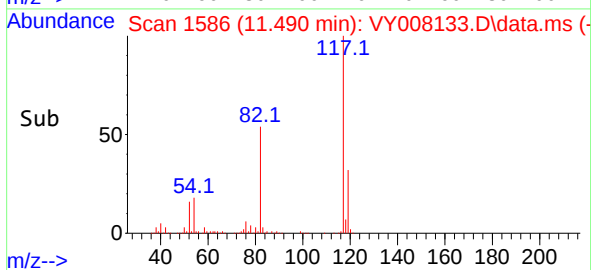
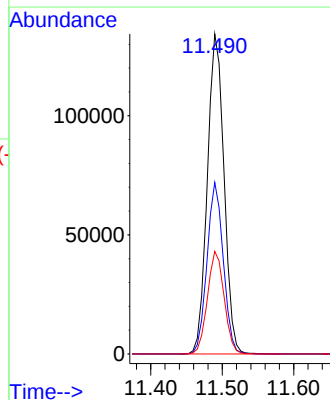
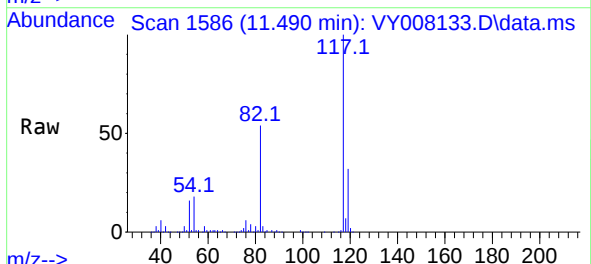
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-3

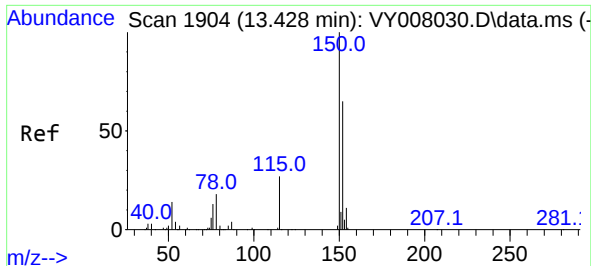
Tgt Ion:	95	Resp:	93288
Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	177.0
176	77.5	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

Tgt Ion:	117	Resp:	217734
Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.0	64.4
119	32.1	25.4	38.0

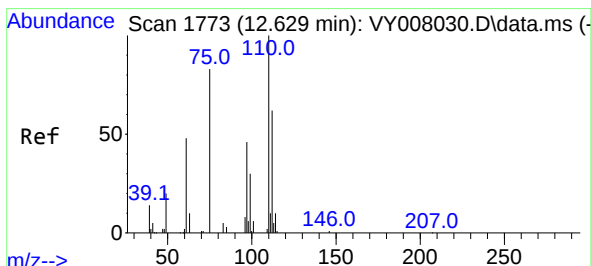
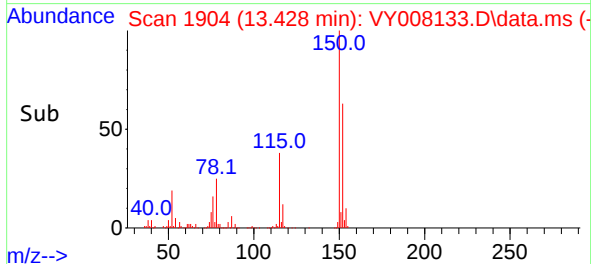
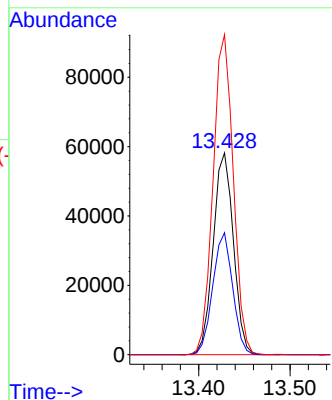
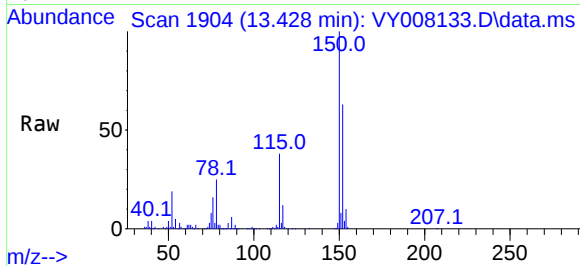




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008133.D
 Acq: 31 Mar 2022 12:48

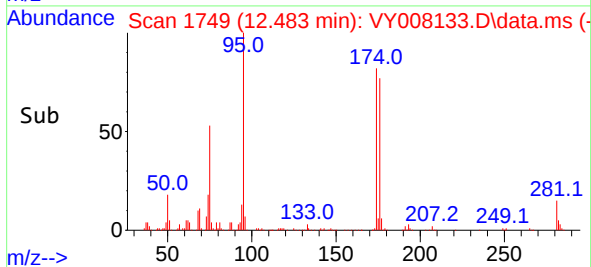
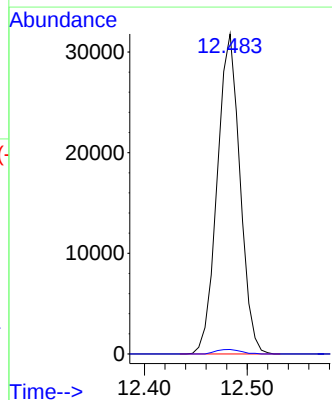
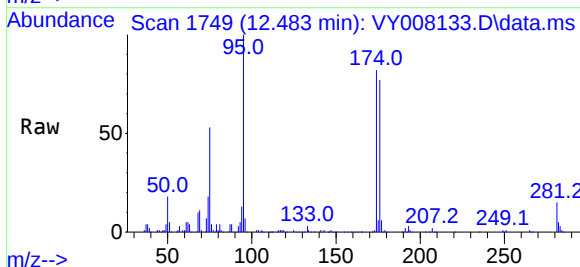
Instrument : MSVOA_Y
 ClientSampleId : TT-156-IDWSO-20220329-3

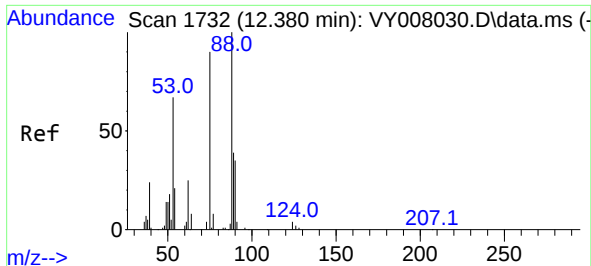
Tgt Ion:152 Resp: 89491
 Ion Ratio Lower Upper
 152 100
 115 59.5 28.2 84.7
 150 158.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.723 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008133.D
 Acq: 31 Mar 2022 12:48

Tgt Ion: 75 Resp: 48788
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

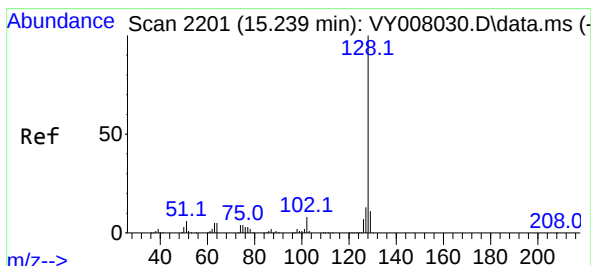
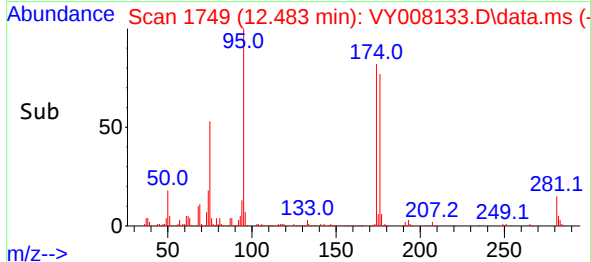
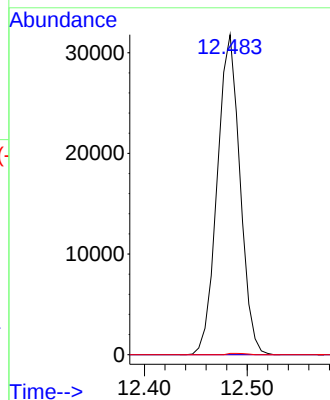
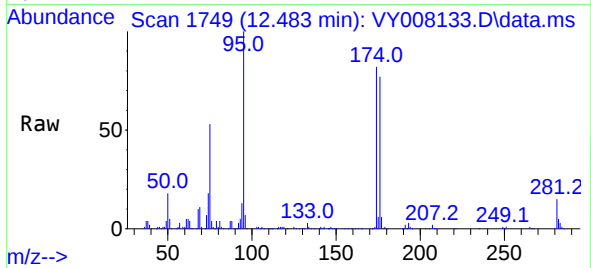




#81
trans-1,4-Dichloro-2-butene
Concen: 99.783 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-3

Tgt Ion: 75 Resp: 48788
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#



#95
Naphthalene
Concen: 0.261 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY008133.D
Acq: 31 Mar 2022 12:48

Tgt Ion:128 Resp: 1021
Ion Ratio Lower Upper
128 100
127 11.0 11.0 16.4
129 0.0 8.4 12.6#

