

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033122\
 Data File : VY008131.D
 Acq On : 31 Mar 2022 12:01
 Operator : SY/MD
 Sample : N2176-01
 Misc : 5.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-156-IDWSO-20220329-1

Quant Time: Mar 31 14:22:51 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)

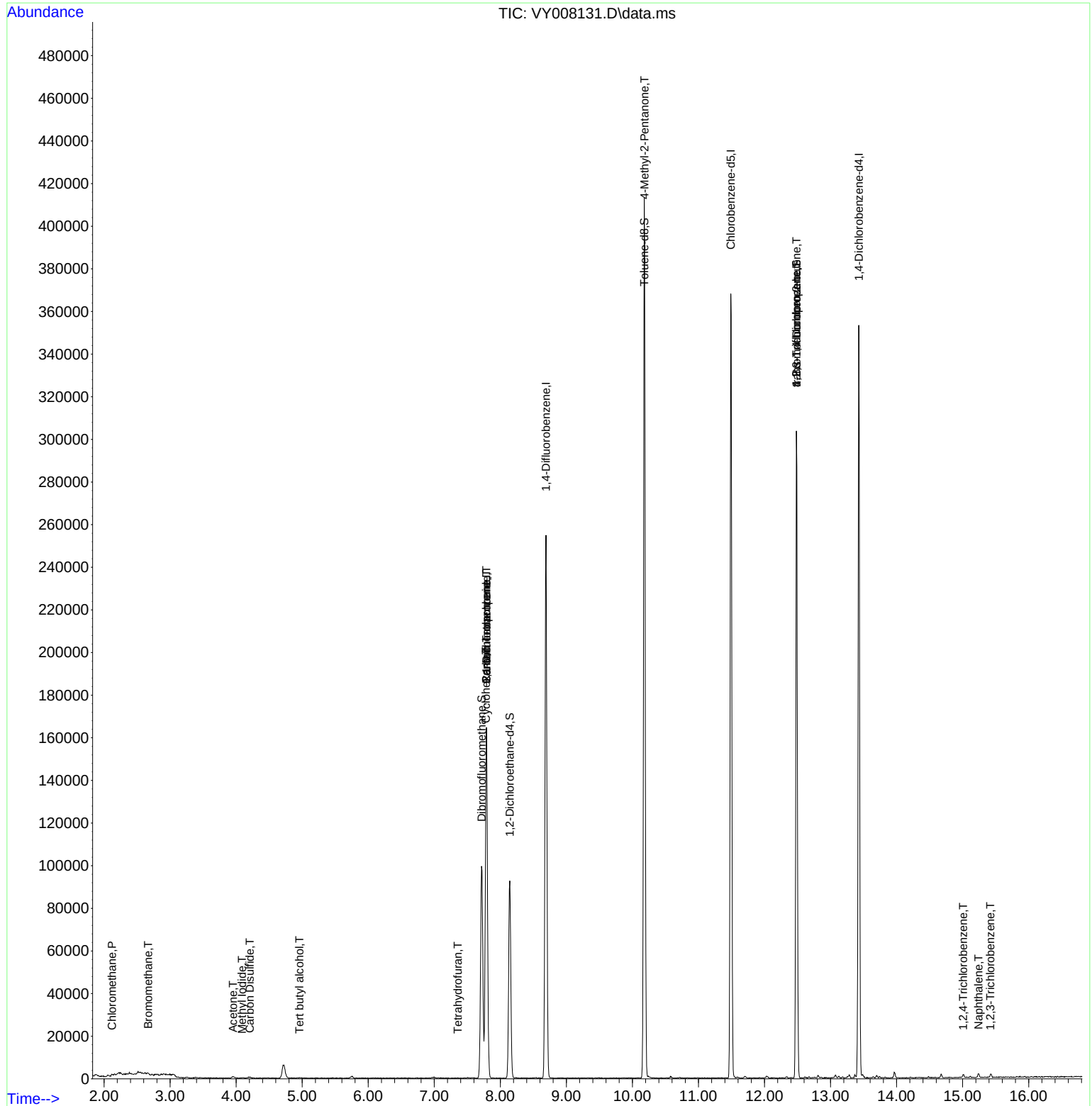
Internal Standards						
1) Pentafluorobenzene	7.789	168	127202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	228914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	212084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	71793	56.255	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.500%			
35) Dibromofluoromethane	7.716	113	72984	50.852	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.700%			
50) Toluene-d8	10.179	98	275080	50.873	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.483	95	91317	47.868	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.740%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	324	0.232	ug/l #	49
5) Bromomethane	2.668	94	473	0.311	ug/l #	78
10) Methyl Iodide	4.088	142	415	1.933	ug/l #	47
11) Tert butyl alcohol	4.960	59	450	3.398	ug/l #	77
16) Acetone	3.954	43	1236	4.237	ug/l #	80
17) Carbon Disulfide	4.204	76	859	0.225	ug/l #	75
18) Methyl Acetate	4.466	43	226	Below Cal	#	56
20) Methylene Chloride	4.710	84	5490	Below Cal	#	64
29) Tetrahydrofuran	7.356	42	107	0.371	ug/l #	38
31) Cyclohexane	7.783	56	2667	1.118	ug/l #	10
36) 1,1-Dichloropropene	7.789	75	9963	4.419	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13142	5.349	ug/l #	14
51) 4-Methyl-2-Pentanone	10.185	43	961	0.922	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	46400	42.832	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46400	95.565	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.007	180	637	0.362	ug/l	92
95) Naphthalene	15.239	128	1850	0.476	ug/l	94
96) 1,2,3-Trichlorobenzene	15.422	180	605	0.397	ug/l	90

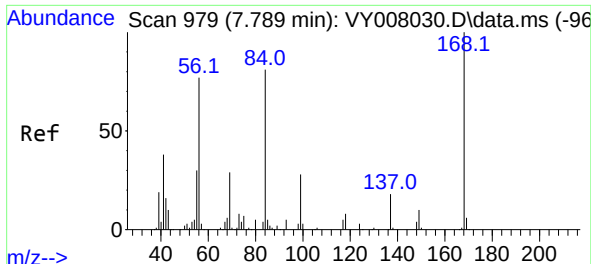
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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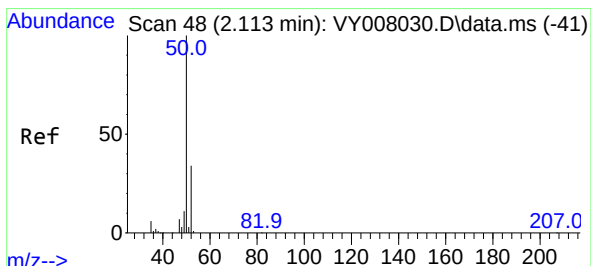
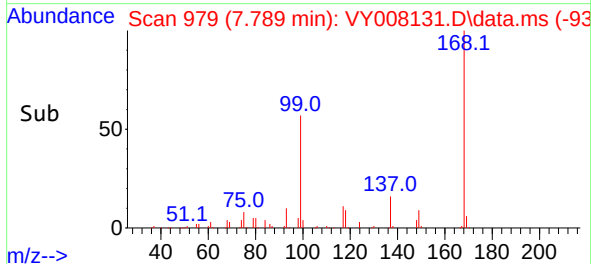
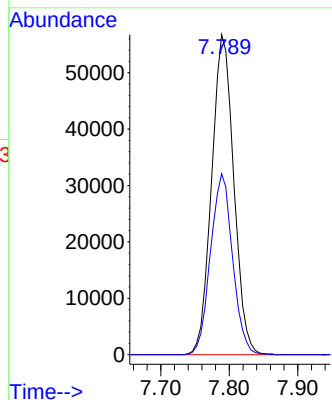
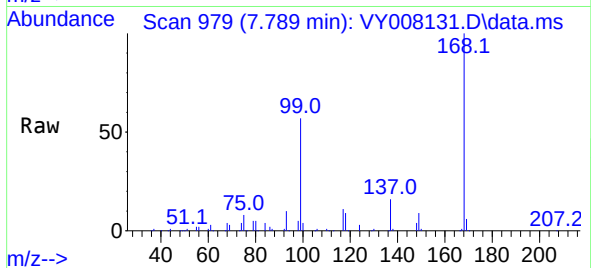




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

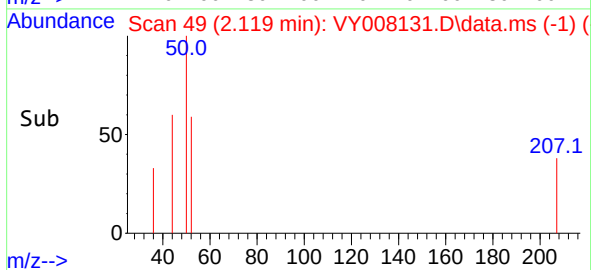
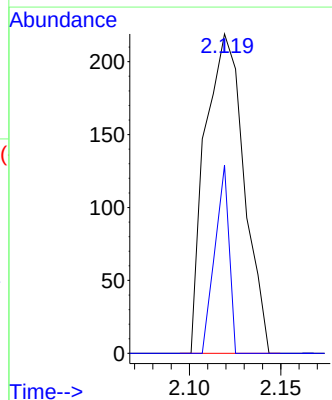
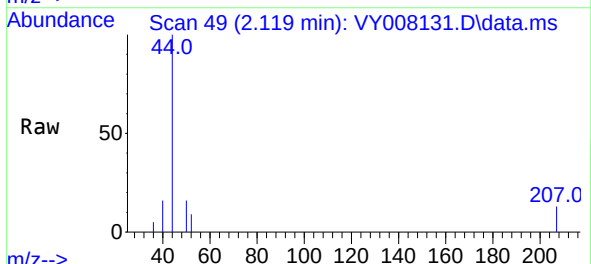
Instrument :
MSVOA_Y
ClientSampleId :
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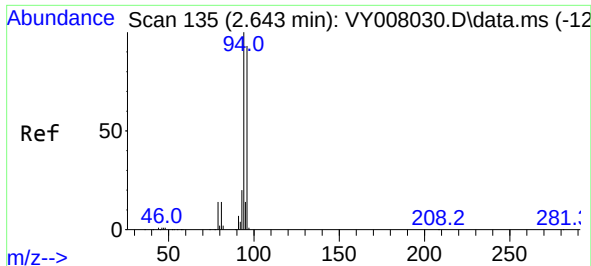
Tgt Ion:168 Resp: 127202
Ion Ratio Lower Upper
168 100
99 56.5 46.9 70.3



#3
Chloromethane
Concen: 0.232 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

Tgt Ion: 50 Resp: 324
Ion Ratio Lower Upper
50 100
52 58.9 24.6 37.0#

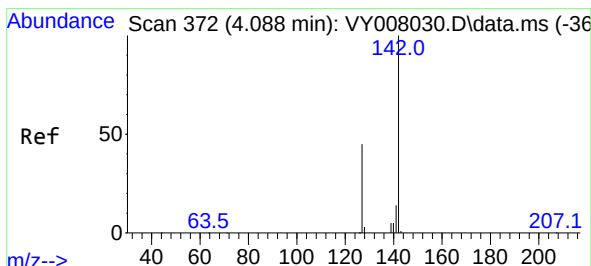
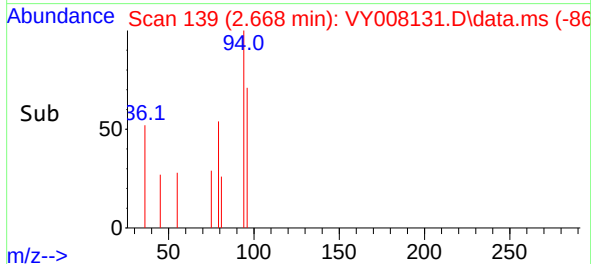
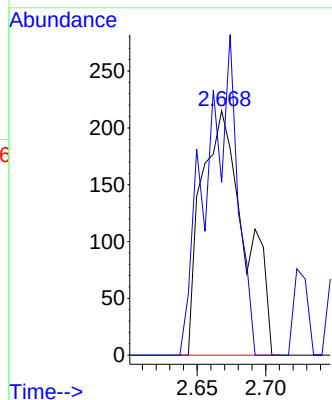
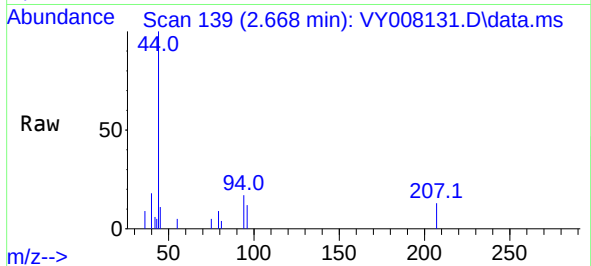




#5
Bromomethane
Concen: 0.311 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

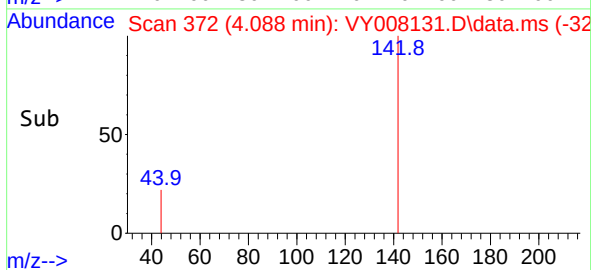
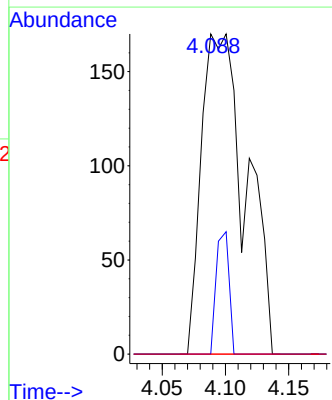
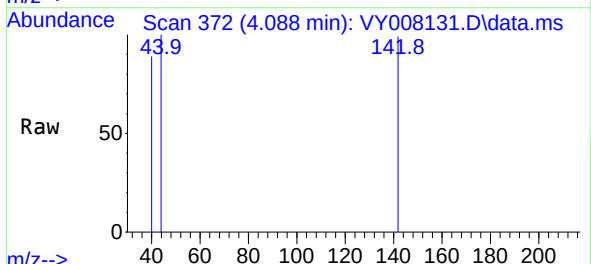
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-1

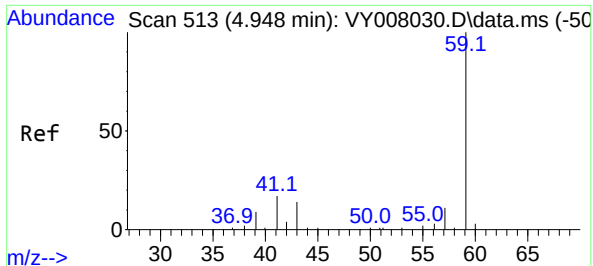
Tgt Ion: 94 Resp: 473
Ion Ratio Lower Upper
94 100
96 70.7 73.5 110.3#



#10
Methyl Iodide
Concen: 1.933 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

Tgt Ion:142 Resp: 415
Ion Ratio Lower Upper
142 100
127 11.1 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 3.398 ug/l

RT: 4.960 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY008131.D

Acq: 31 Mar 2022 12:01

Instrument :

MSVOA_Y

ClientSampleId :

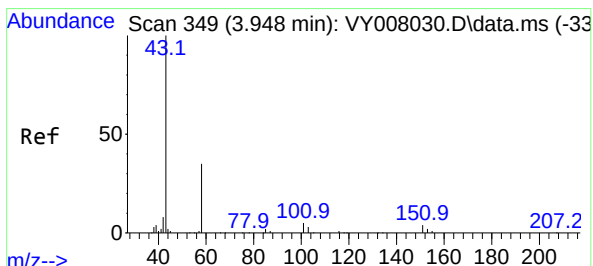
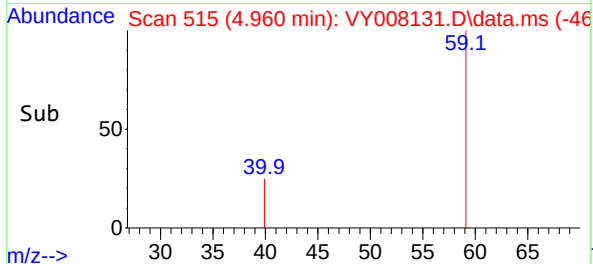
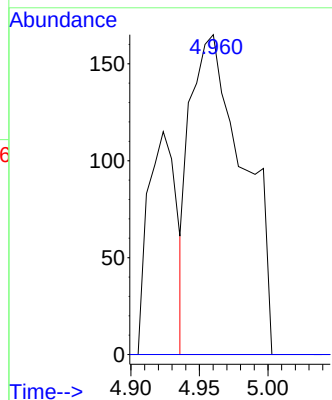
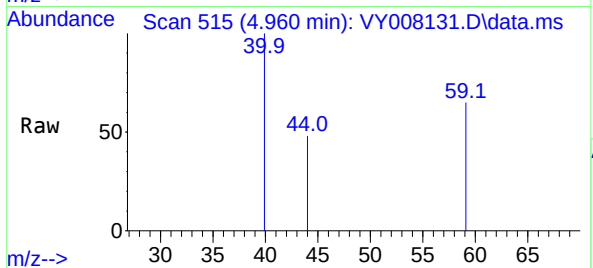
TT-156-IDWSO-20220329-1

Tgt Ion: 59 Resp: 450

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 4.237 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY008131.D

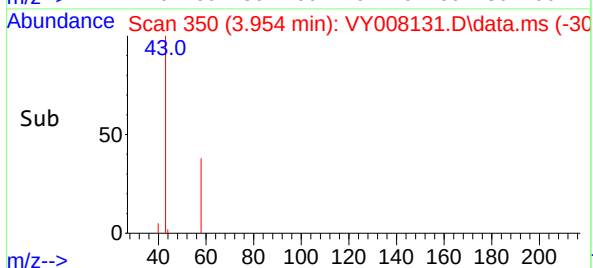
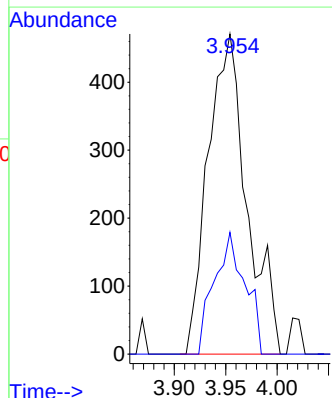
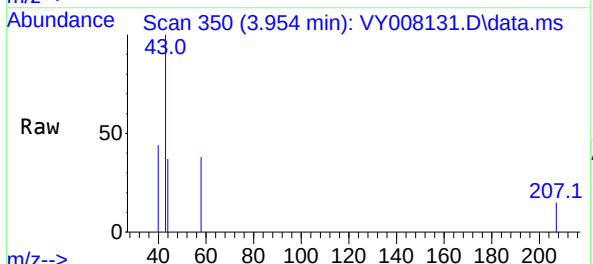
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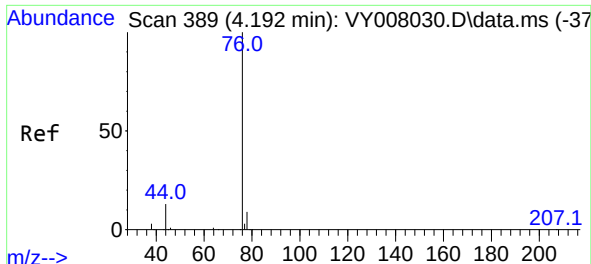
Tgt Ion: 43 Resp: 1236

Ion Ratio Lower Upper

43 100

58 38.0 22.0 33.0#

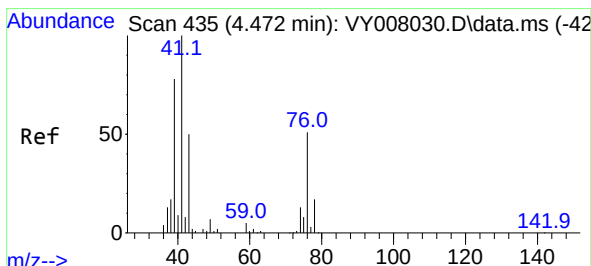
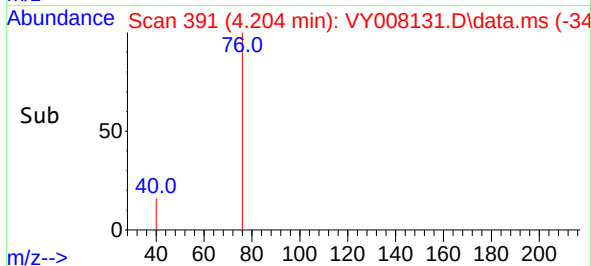
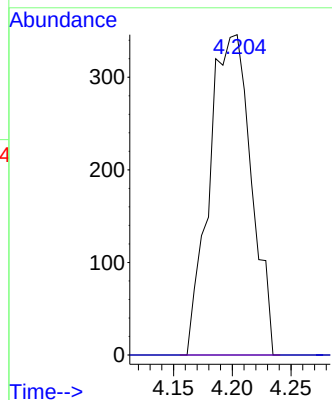
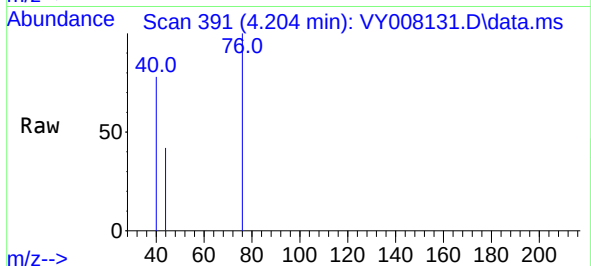




#17
Carbon Disulfide
Concen: 0.225 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

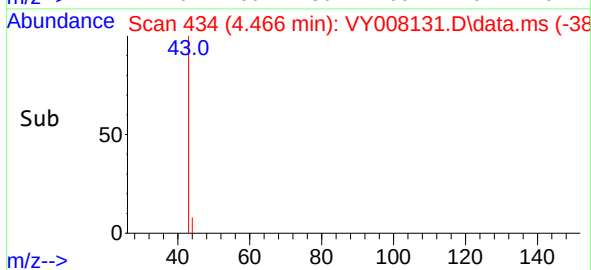
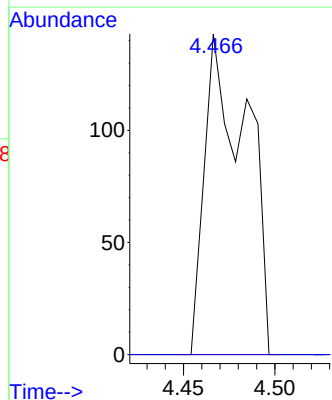
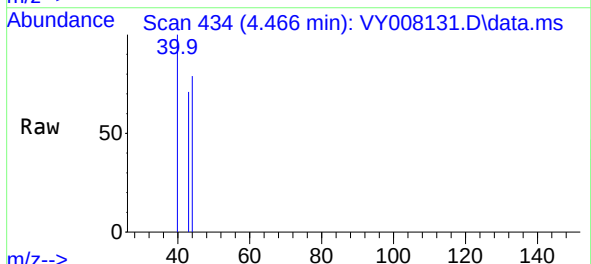
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-1

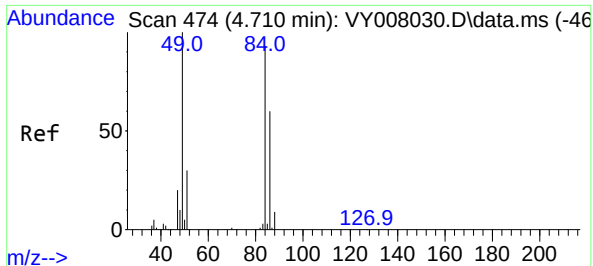
Tgt Ion: 76 Resp: 859
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.006 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

Tgt Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

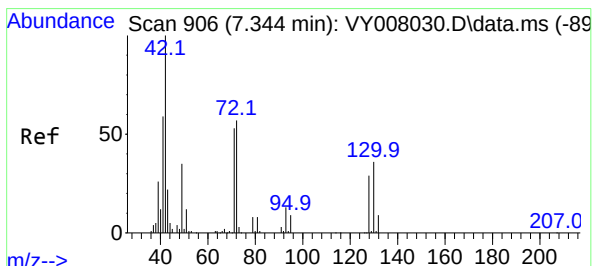
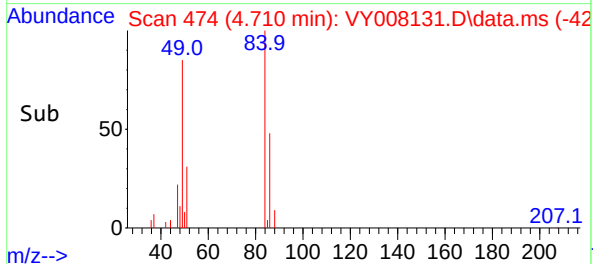
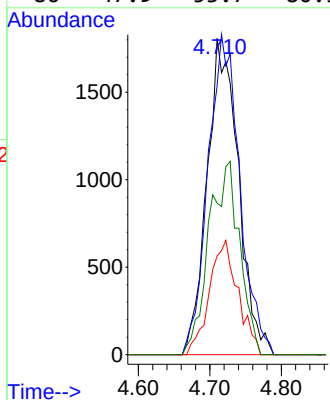
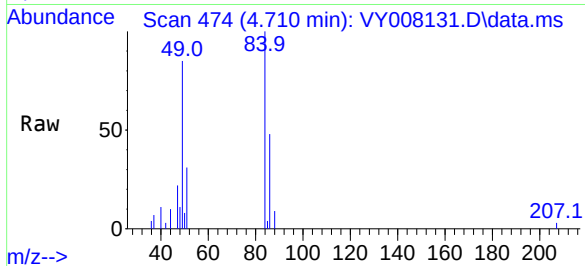




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

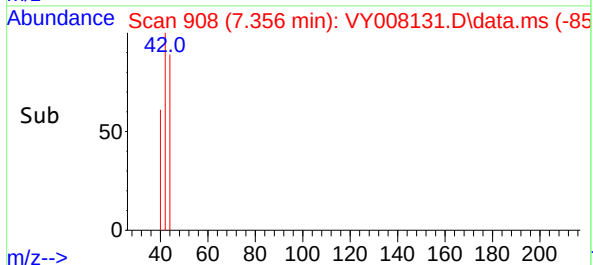
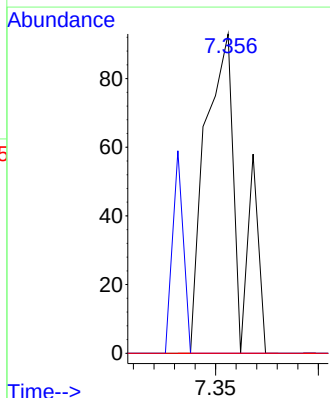
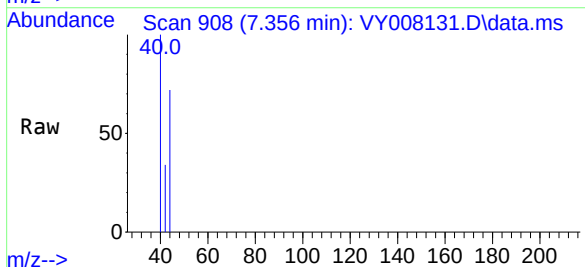
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TT-156-IDWSO-20220329-1

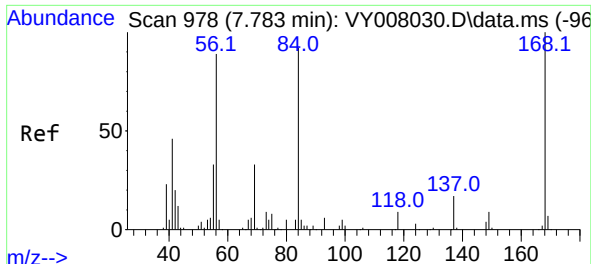
Tgt Ion: 84 Resp: 5490
Ion Ratio Lower Upper
84 100
49 84.9 114.4 171.6#
51 31.2 35.3 52.9#
86 47.9 53.7 80.5#



#29
Tetrahydrofuran
Concen: 0.371 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

Tgt Ion: 42 Resp: 107
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 0.0 29.0 43.4#

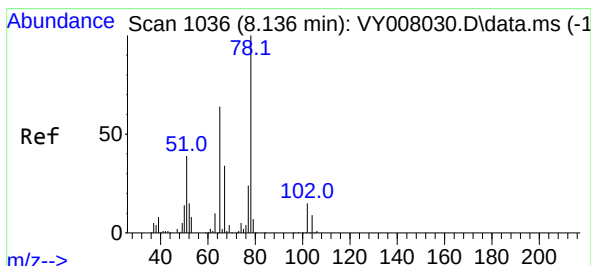
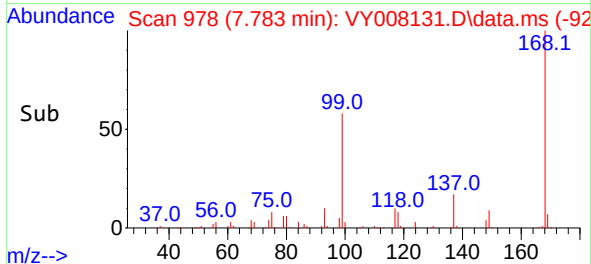
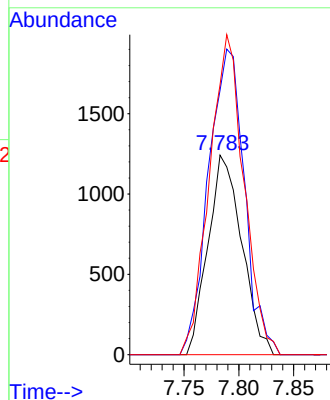
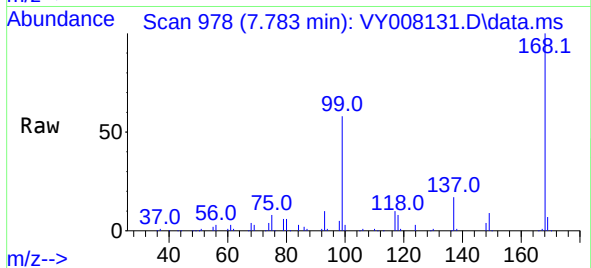




#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

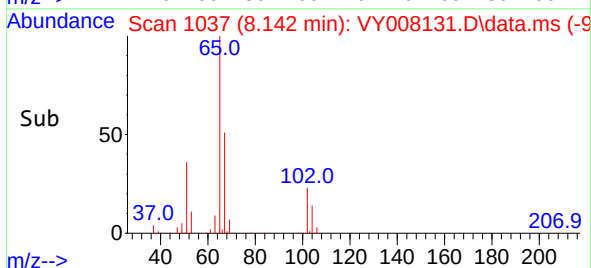
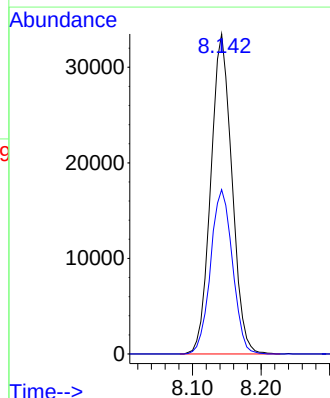
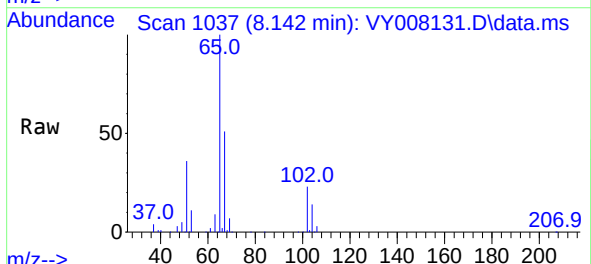
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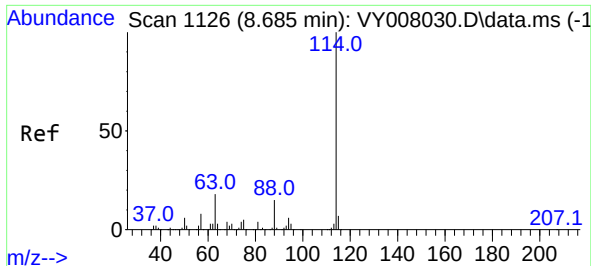
Tgt Ion: 56 Resp: 2667
Ion Ratio Lower Upper
56 100
69 132.4 26.7 40.1#
84 135.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.255 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

Tgt Ion: 65 Resp: 71793
Ion Ratio Lower Upper
65 100
67 53.1 0.0 99.4

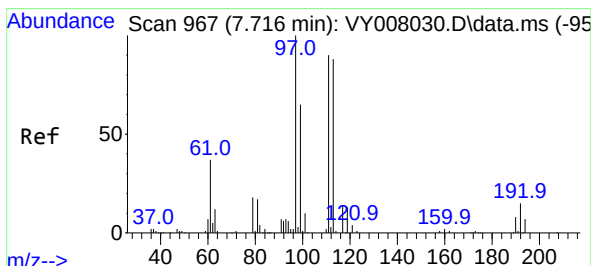
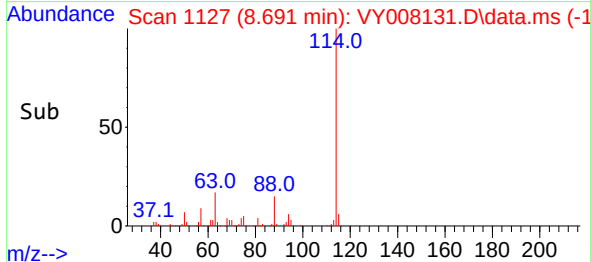
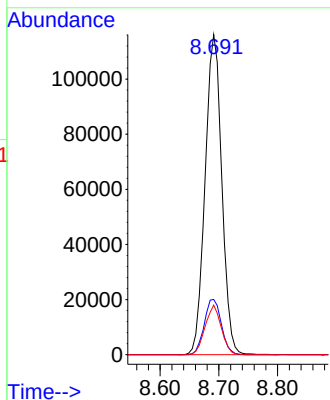
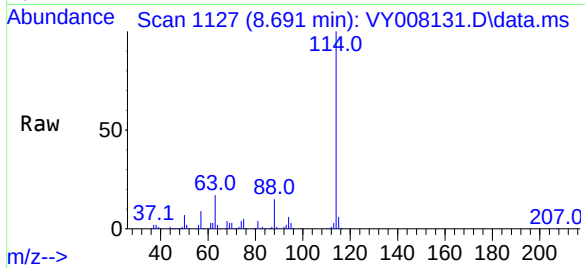




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

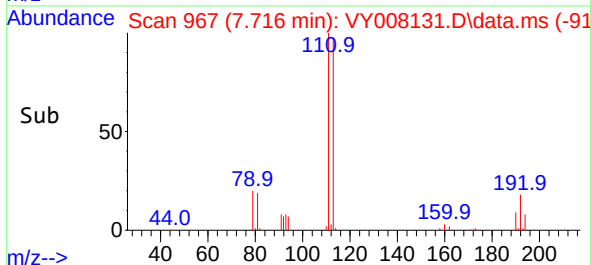
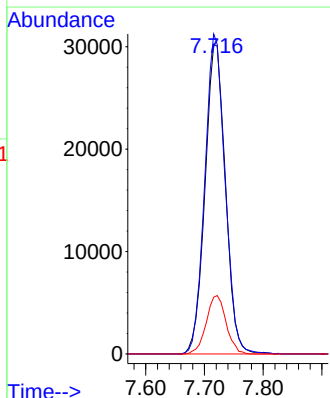
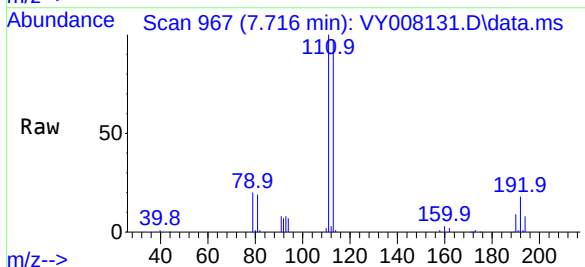
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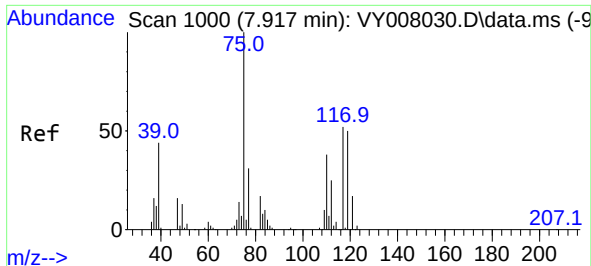
Tgt Ion:114 Resp: 228914
Ion Ratio Lower Upper
114 100
63 17.2 0.0 43.2
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.852 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

Tgt Ion:113 Resp: 72984
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 18.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.419 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008131.D

Acq: 31 Mar 2022 12:01

Instrument :

MSVOA_Y

ClientSampleId :

TT-156-IDWSO-20220329-1

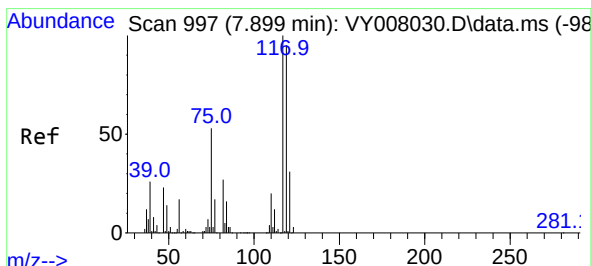
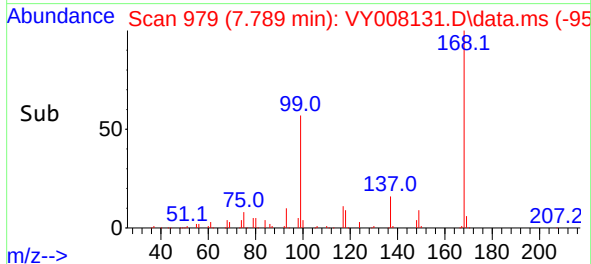
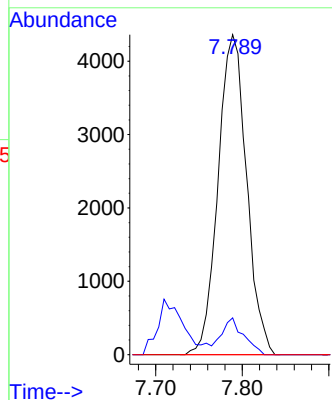
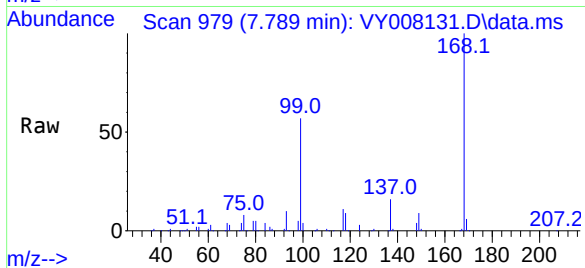
Tgt Ion: 75 Resp: 9963

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.349 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008131.D

Acq: 31 Mar 2022 12:01

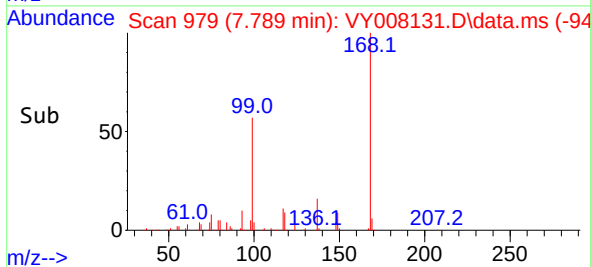
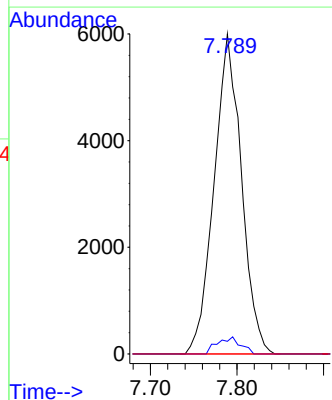
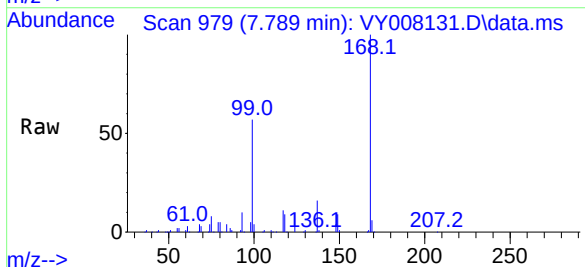
Tgt Ion: 117 Resp: 13142

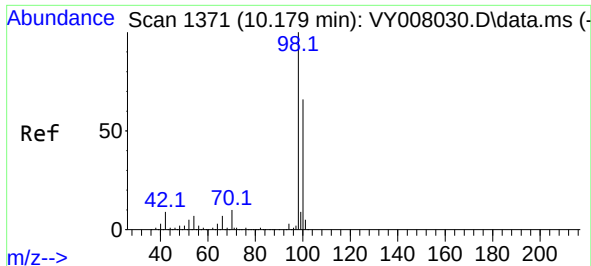
Ion Ratio Lower Upper

117 100

119 3.9 77.9 116.9#

121 0.0 24.8 37.2#

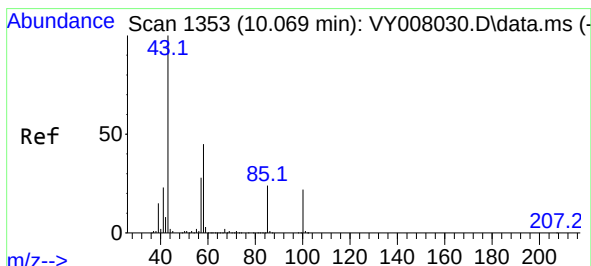
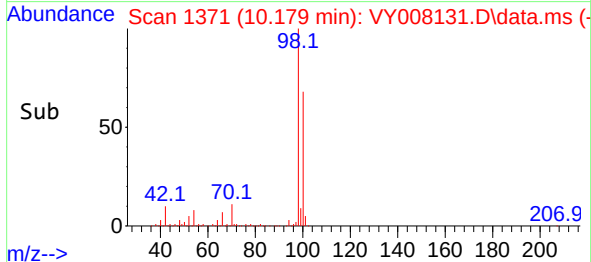
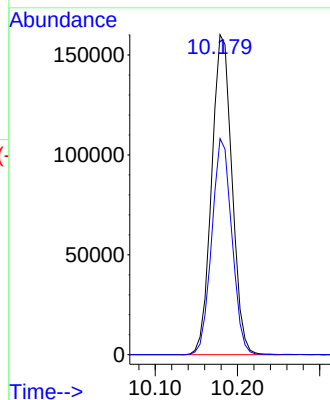
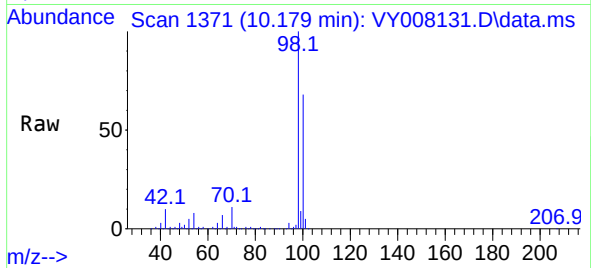




#50
Toluene-d8
Concen: 50.873 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

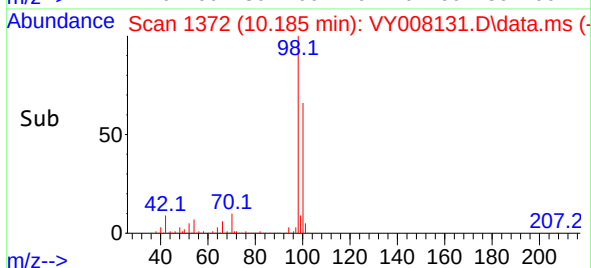
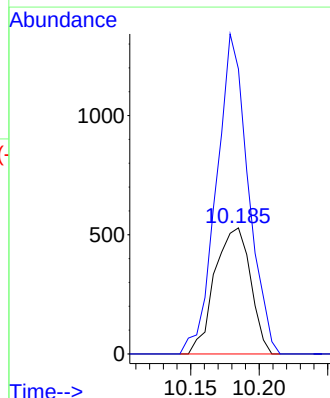
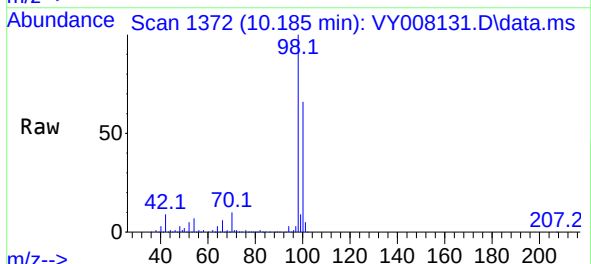
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-1

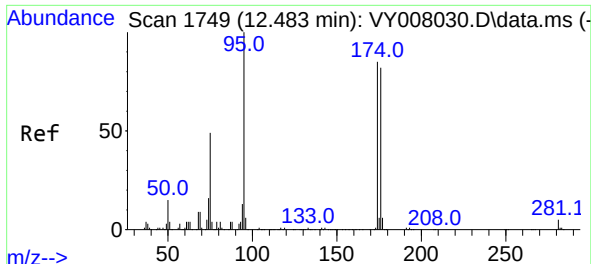
Tgt Ion: 98 Resp: 275080
Ion Ratio Lower Upper
98 100
100 66.7 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 0.922 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.116 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

Tgt Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
58 225.9 28.1 42.1#

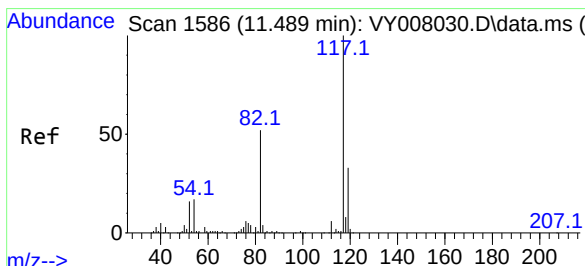
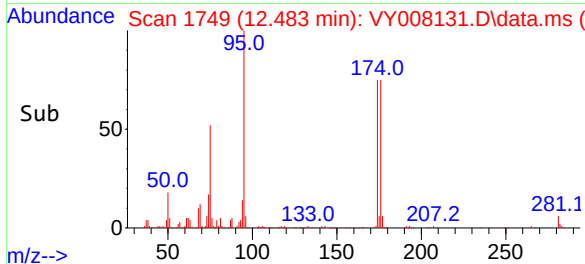
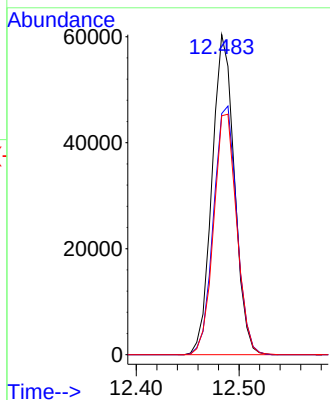
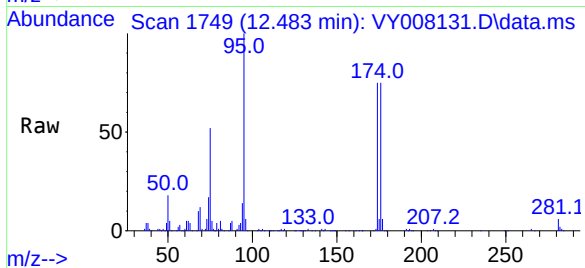




#62
4-Bromofluorobenzene
Concen: 47.868 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

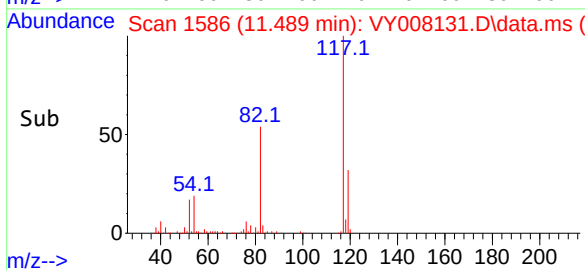
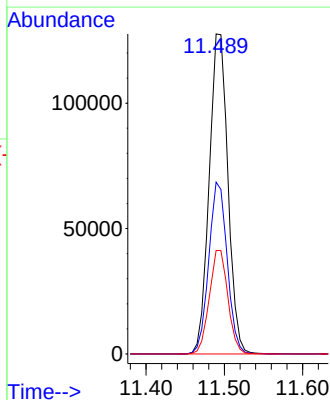
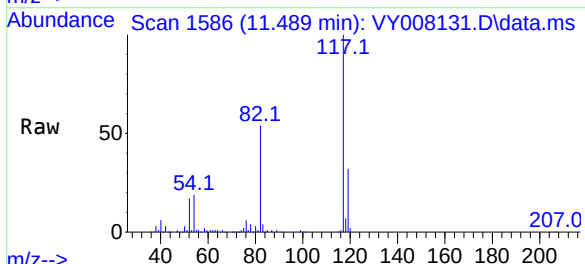
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-1

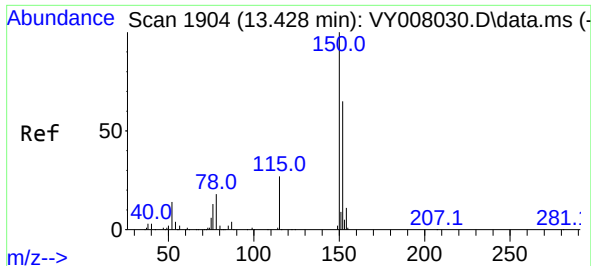
Tgt Ion:	95	Resp:	91317
Ion	Ratio	Lower	Upper
95	100		
174	80.5	0.0	177.0
176	77.4	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

Tgt Ion:	117	Resp:	212084
Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.0	64.4
119	32.4	25.4	38.0

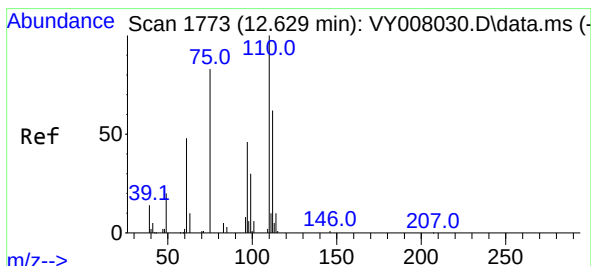
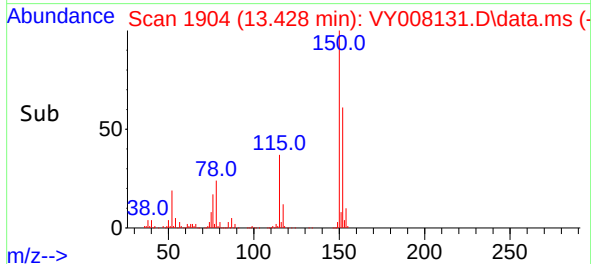
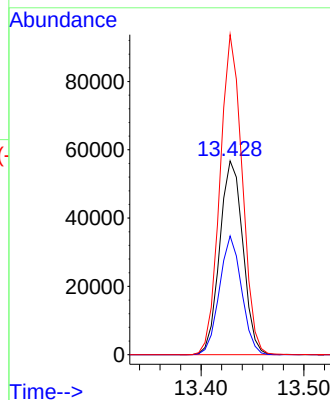
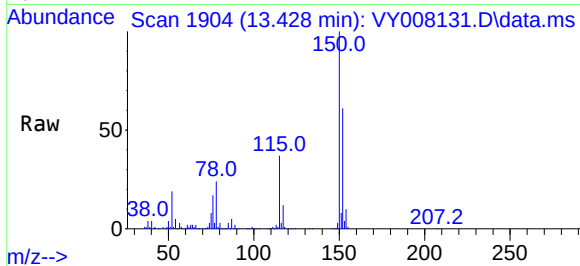




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008131.D
 Acq: 31 Mar 2022 12:01

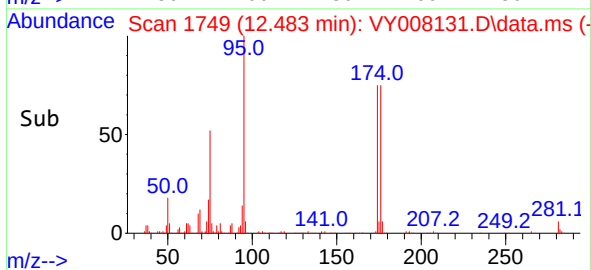
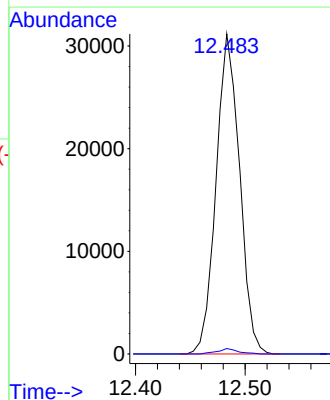
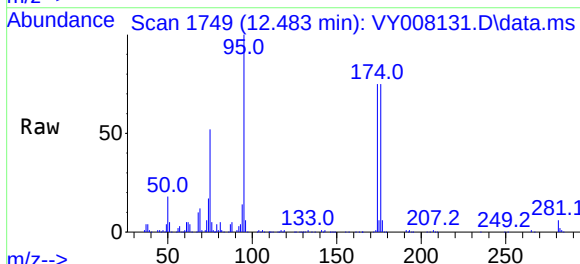
Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-156-IDWSO-20220329-1

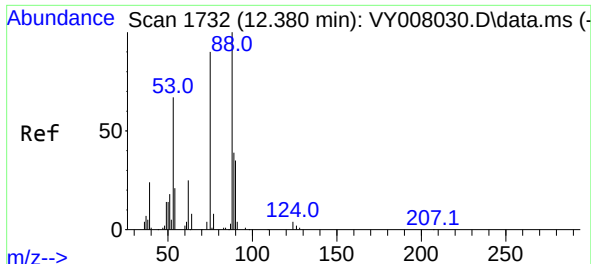
Tgt Ion:152 Resp: 88868
 Ion Ratio Lower Upper
 152 100
 115 58.5 28.2 84.7
 150 158.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 42.832 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008131.D
 Acq: 31 Mar 2022 12:01

Tgt Ion: 75 Resp: 46400
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

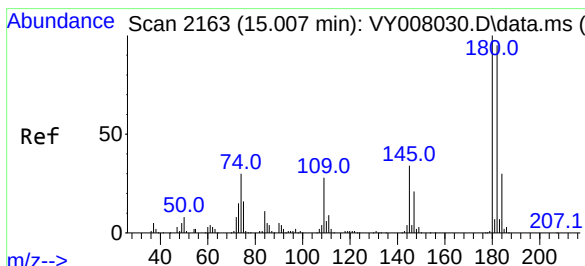
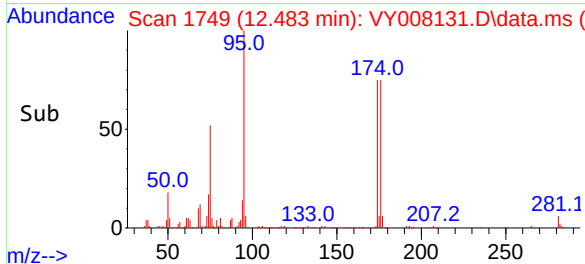
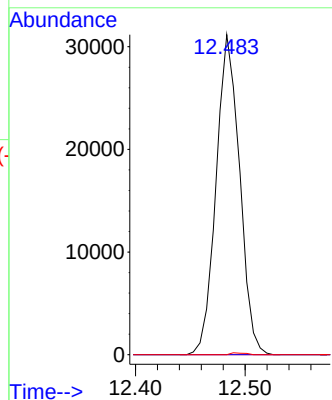
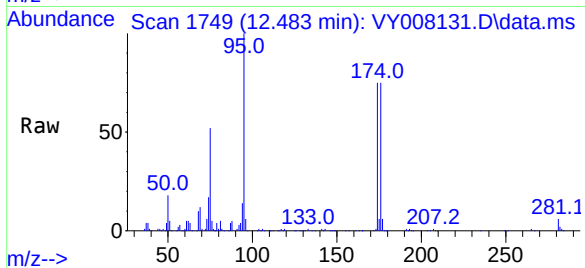




#81
trans-1,4-Dichloro-2-butene
Concen: 95.565 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

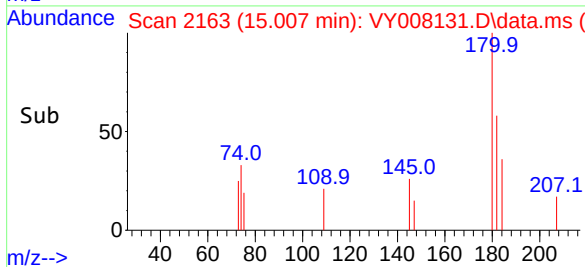
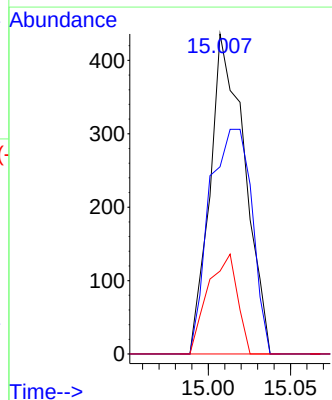
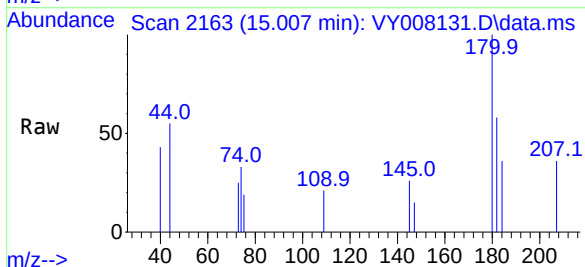
Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-1

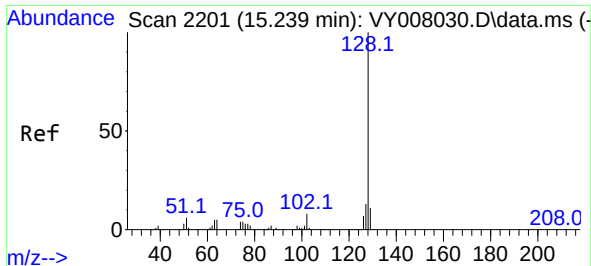
Tgt Ion: 75 Resp: 46400
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.4 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.362 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

Tgt Ion:180 Resp: 637
Ion Ratio Lower Upper
180 100
182 86.0 47.3 141.9
145 26.5 14.6 43.8

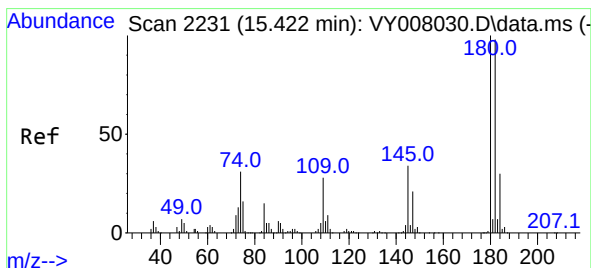
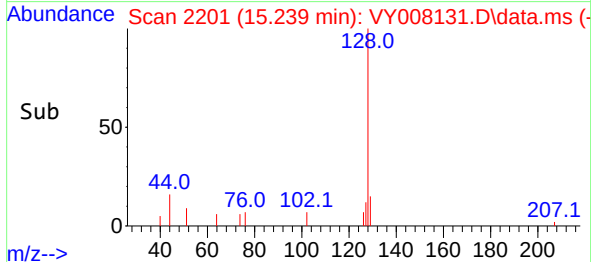
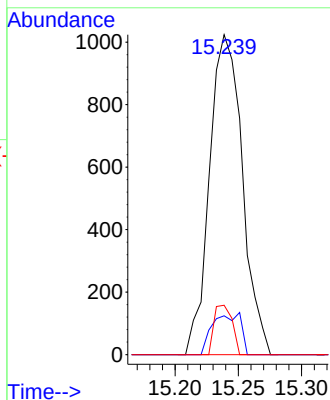
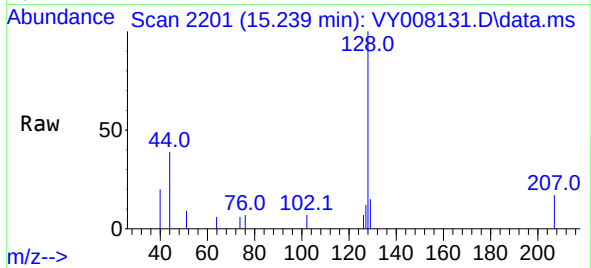




#95
Naphthalene
Concen: 0.476 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

Instrument :
MSVOA_Y
ClientSampleId :
TT-156-IDWSO-20220329-1

Tgt Ion:	128	Resp:	1850
Ion	Ratio	Lower	Upper
128	100		
127	11.1	11.0	16.4
129	8.5	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 0.397 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY008131.D
Acq: 31 Mar 2022 12:01

Tgt Ion:	180	Resp:	605
Ion	Ratio	Lower	Upper
180	100		
182	102.6	47.3	141.9
145	39.0	15.3	45.9

