

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
 Data File : VY007533.D
 Acq On : 17 Feb 2022 19:21
 Operator : SY/MD
 Sample : N1580-08
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-8

Quant Time: Feb 18 07:43:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

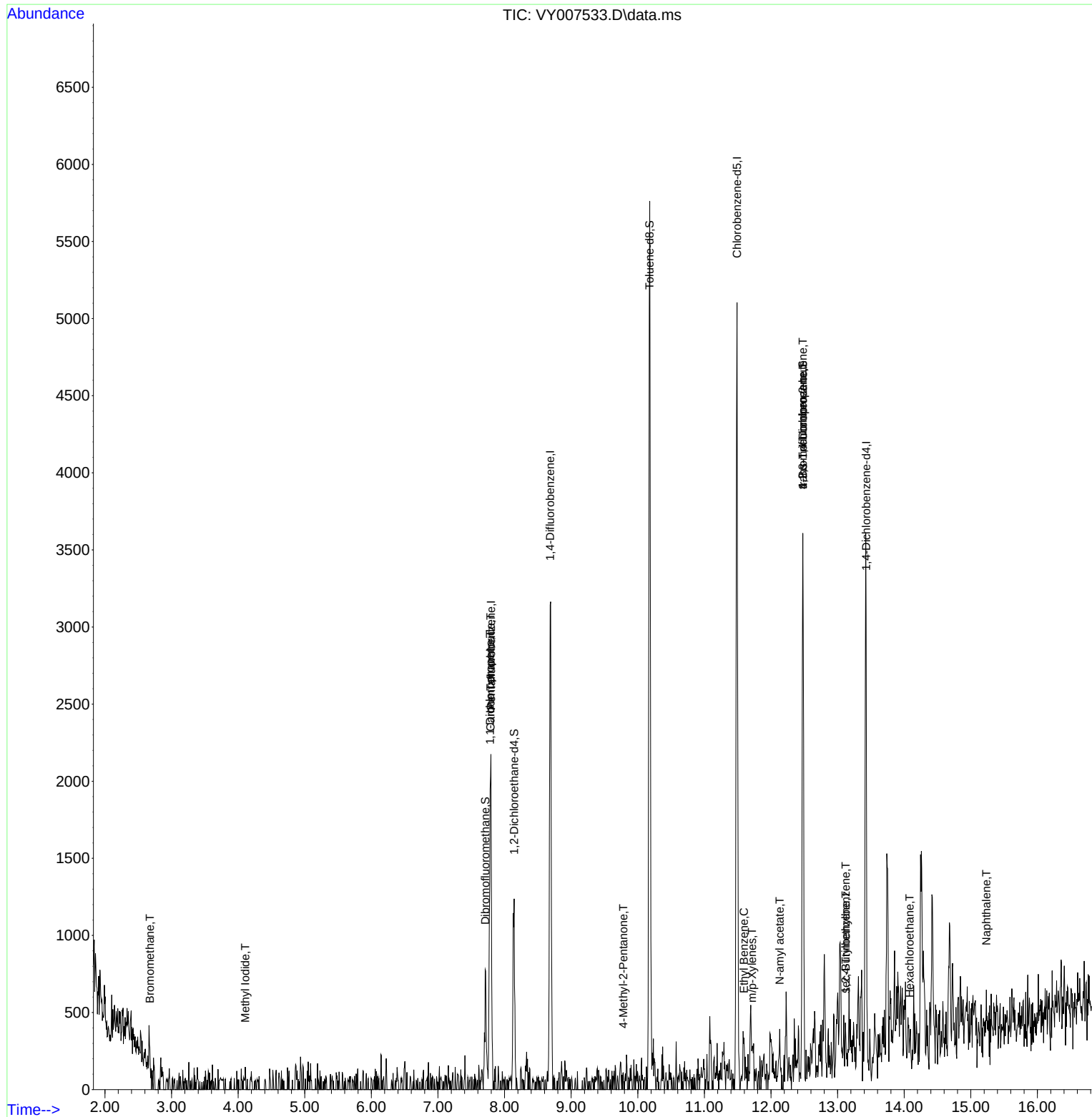
Internal Standards						
1) Pentafluorobenzene	7.795	168	1918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	3350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	3133	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	975	46.043	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.080%		
35) Dibromofluoromethane	7.710	113	589	27.880	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	55.760%		
50) Toluene-d8	10.179	98	3674	45.788	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.580%		
62) 4-Bromofluorobenzene	12.477	95	1346	49.472	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.940%		
Target Compounds						Qvalue
5) Bromomethane	2.674	94	77	2.912	ug/l	100
10) Methyl Iodide	4.107	142	50	1.815	ug/l #	35
36) 1,1-Dichloropropene	7.783	75	67	1.957	ug/l #	42
38) Carbon Tetrachloride	7.789	117	116	2.983	ug/l #	11
51) 4-Methyl-2-Pentanone	9.783	43	19	1.218	ug/l #	40
67) Ethyl Benzene	11.593	91	237	1.845	ug/l #	44
68) m/p-Xylenes	11.715	106	206	4.238	ug/l	93
74) N-amyl acetate	12.130	43	74	4.351	ug/l #	58
76) 1,2,3-Trichloropropane	12.477	75	745	76.035	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	745	158.033	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	88	1.458	ug/l	88
85) sec-Butylbenzene	13.123	105	88	1.098	ug/l #	56
90) Hexachloroethane	14.081	117	61	4.834	ug/l #	6
95) Naphthalene	15.233	128	71	1.968	ug/l #	69

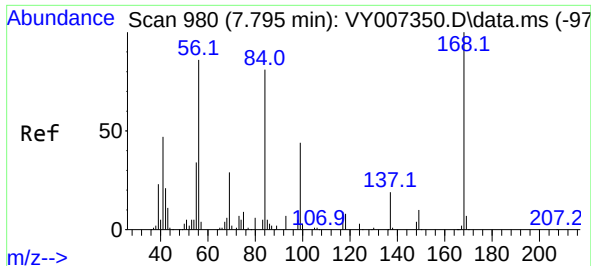
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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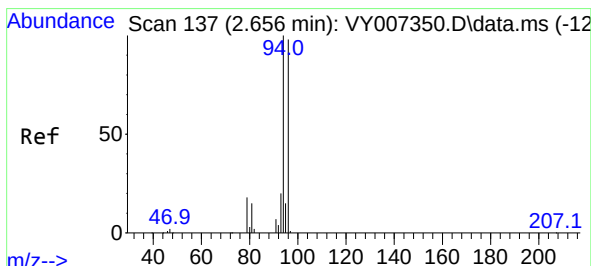
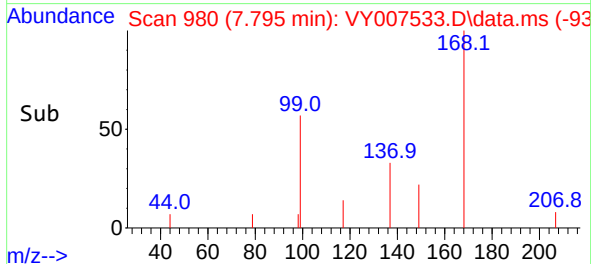
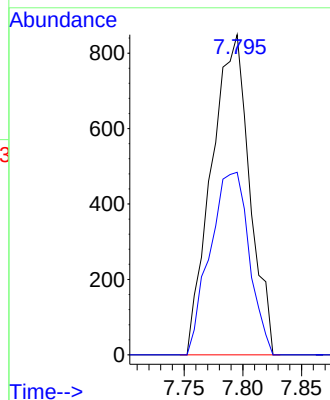
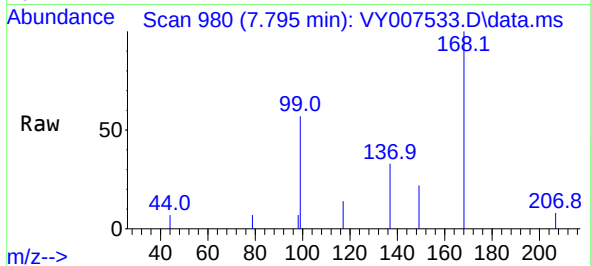




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

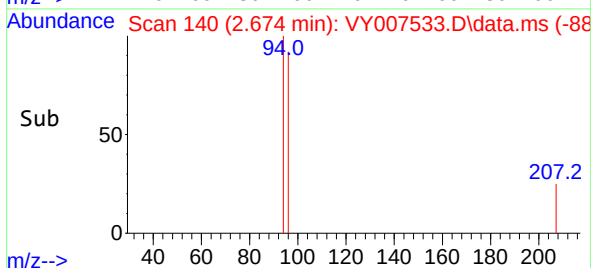
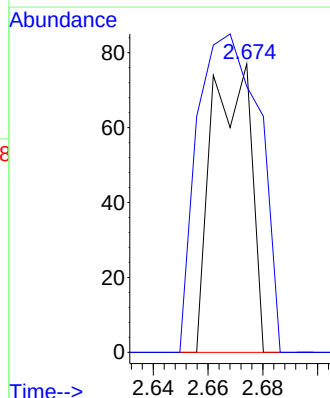
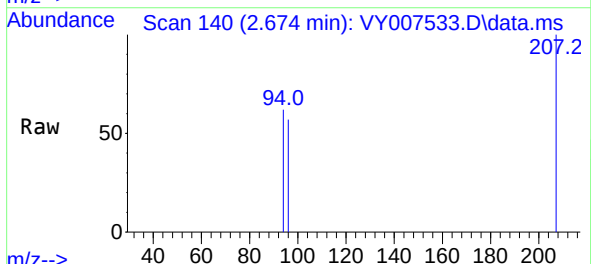
Instrument :
MSVOA_Y
ClientSampleId :
D-8

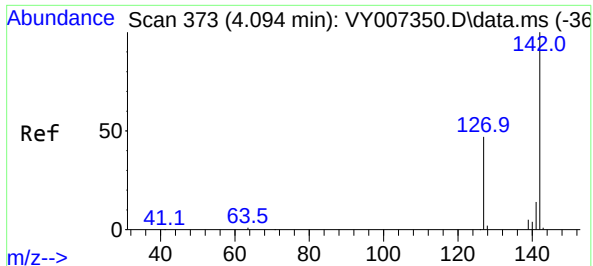
Tgt Ion:168 Resp: 1918
Ion Ratio Lower Upper
168 100
99 57.0 46.9 70.3



#5
Bromomethane
Concen: 2.912 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

Tgt Ion: 94 Resp: 77
Ion Ratio Lower Upper
94 100
96 92.2 73.5 110.3

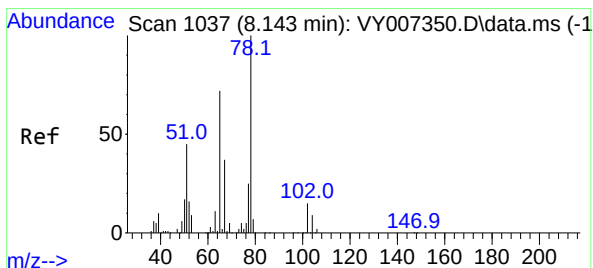
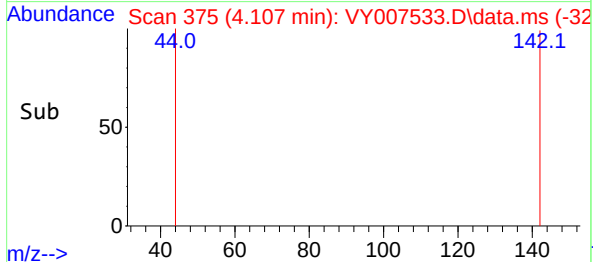
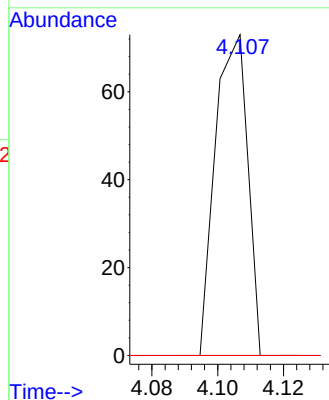
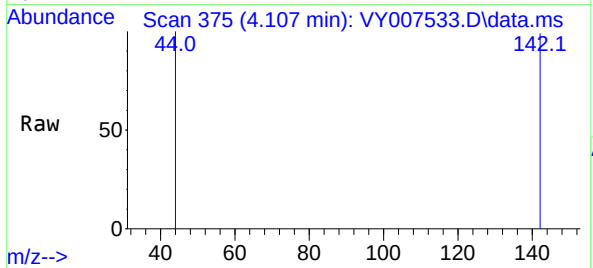




#10
Methyl Iodide
Concen: 1.815 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

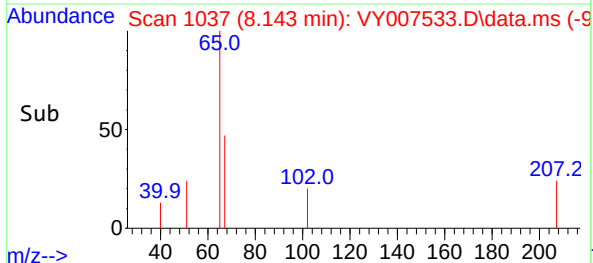
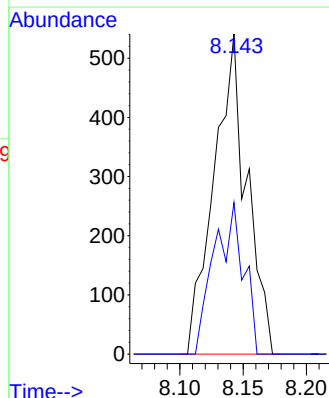
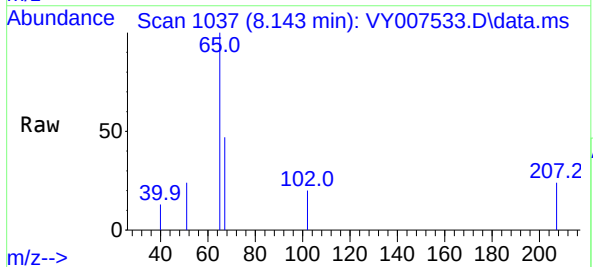
Instrument :
MSVOA_Y
ClientSampleId :
D-8

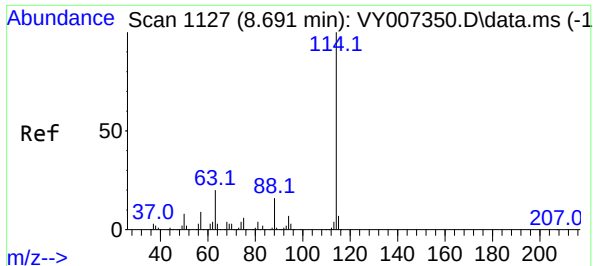
Tgt Ion:142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#33
1,2-Dichloroethane-d4
Concen: 46.043 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

Tgt Ion: 65 Resp: 975
Ion Ratio Lower Upper
65 100
67 42.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY007533.D

Acq: 17 Feb 2022 19:21

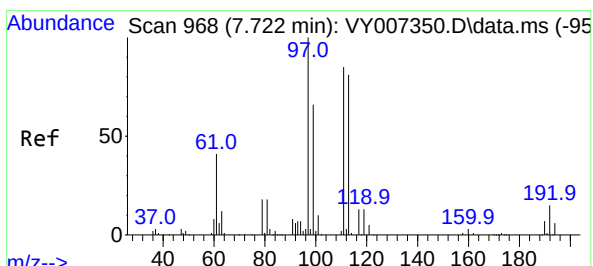
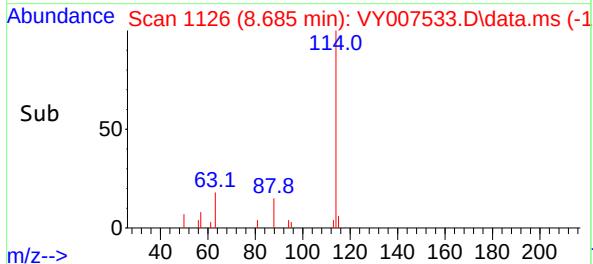
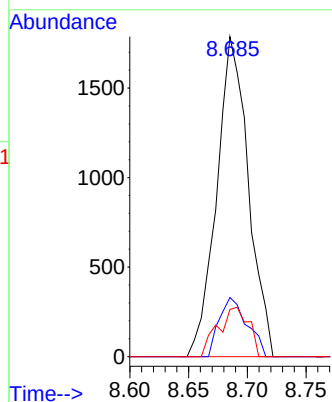
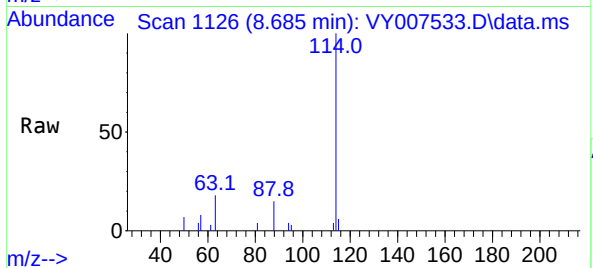
Instrument :

MSVOA_Y

ClientSampleId :

D-8

Tgt Ion:114	Resp:	3350
Ion	Ratio	Lower Upper
114	100	
63	18.5	0.0 43.2
88	14.7	0.0 31.8



#35

Dibromofluoromethane

Concen: 27.880 ug/l

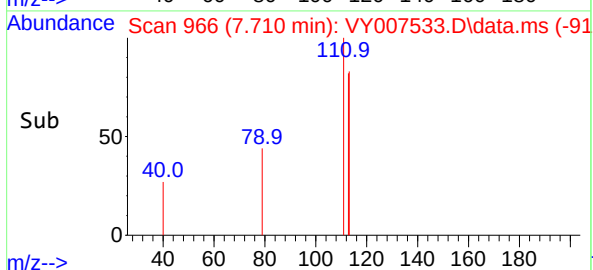
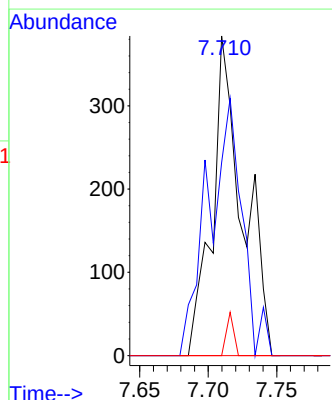
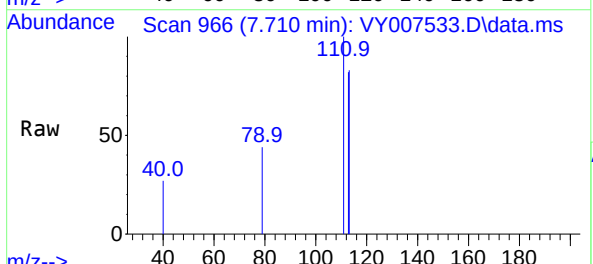
RT: 7.710 min Scan# 966

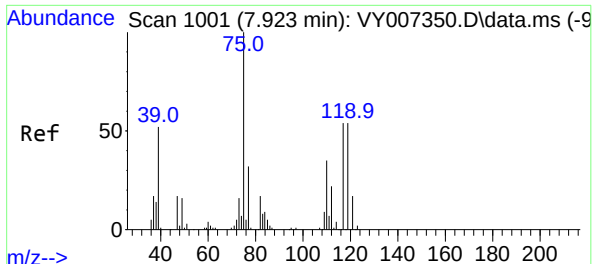
Delta R.T. -0.012 min

Lab File: VY007533.D

Acq: 17 Feb 2022 19:21

Tgt Ion:113	Resp:	589
Ion	Ratio	Lower Upper
113	100	
111	90.2	82.6 124.0
192	3.2	17.6 26.4





#36

1,1-Dichloropropene

Concen: 1.957 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY007533.D

Acq: 17 Feb 2022 19:21

Instrument :

MSVOA_Y

ClientSampleId :

D-8

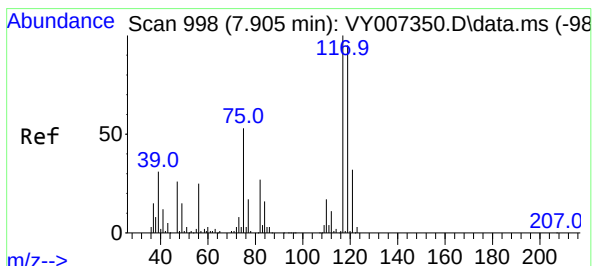
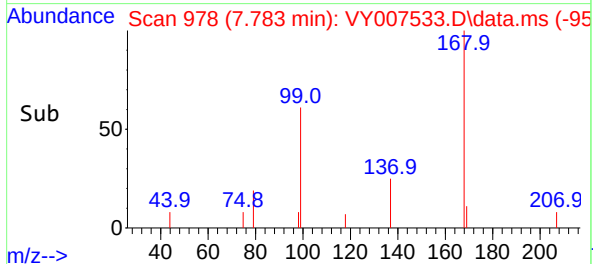
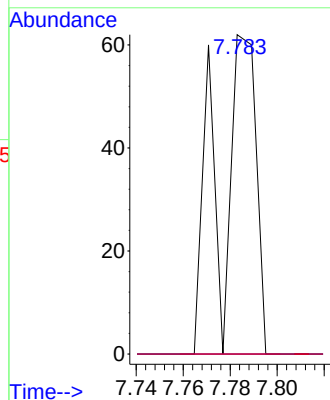
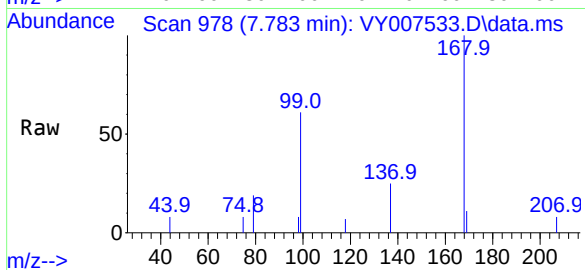
Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 2.983 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY007533.D

Acq: 17 Feb 2022 19:21

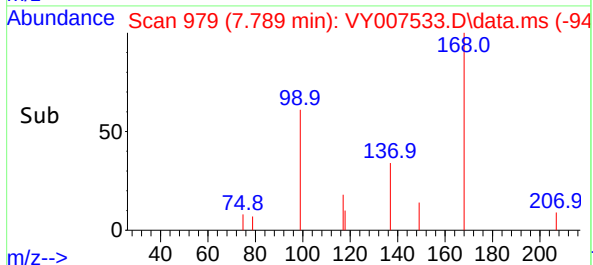
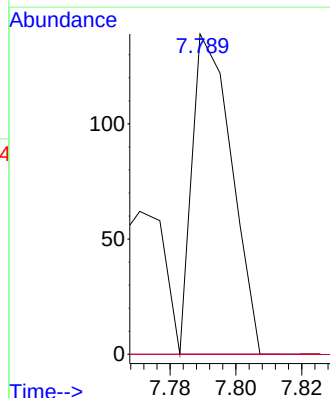
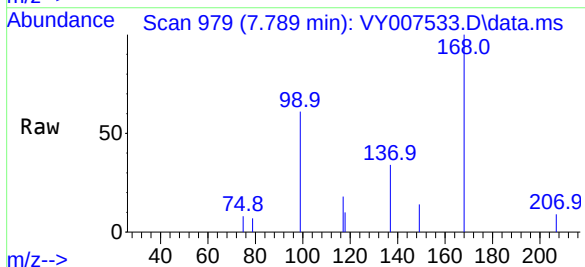
Tgt Ion: 117 Resp: 116

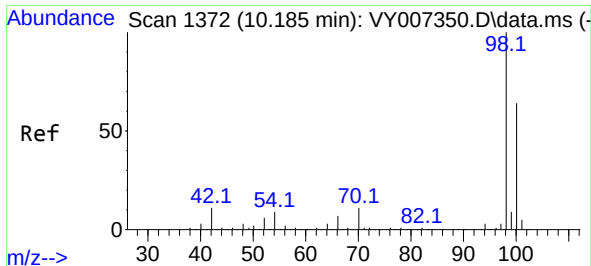
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

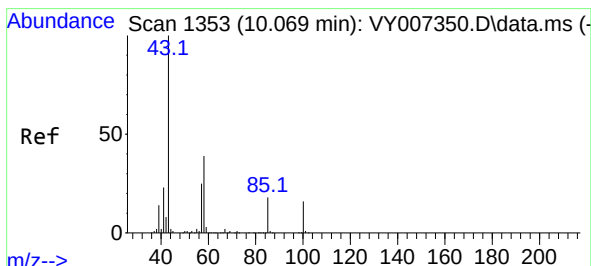
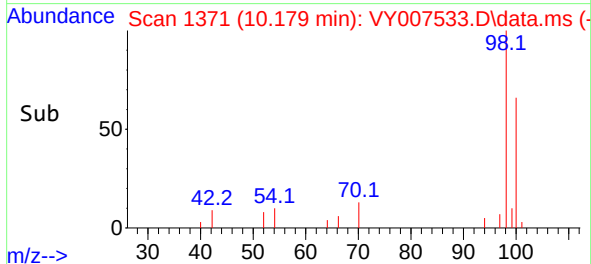
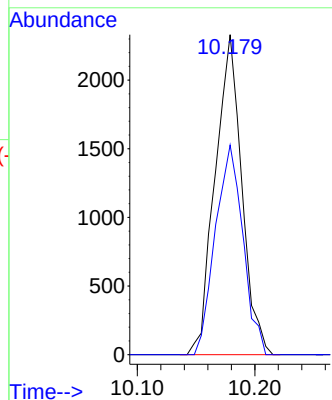
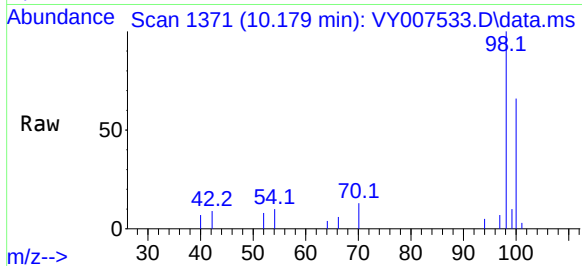




#50
Toluene-d8
Concen: 45.788 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

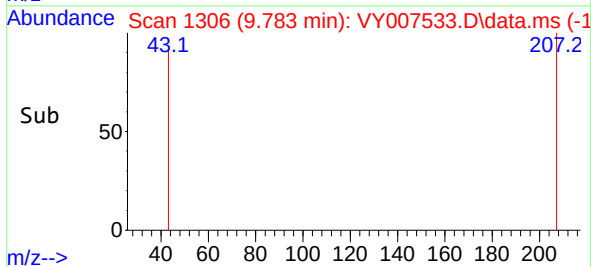
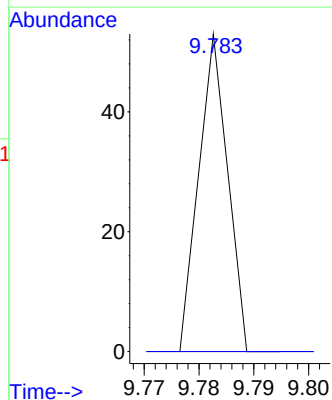
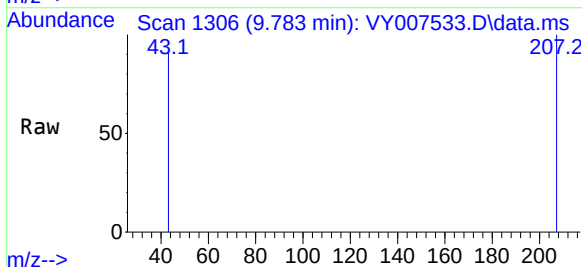
Instrument :
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ClientSampleId :
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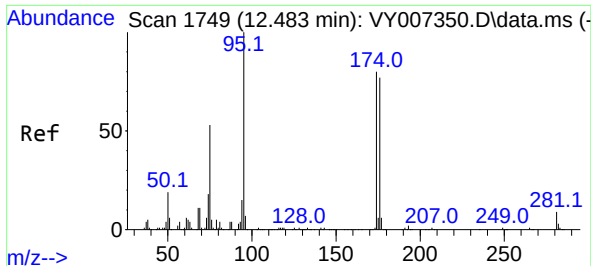
Tgt Ion: 98 Resp: 3674
Ion Ratio Lower Upper
98 100
100 67.8 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.218 ug/l
RT: 9.783 min Scan# 1306
Delta R.T. -0.286 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#

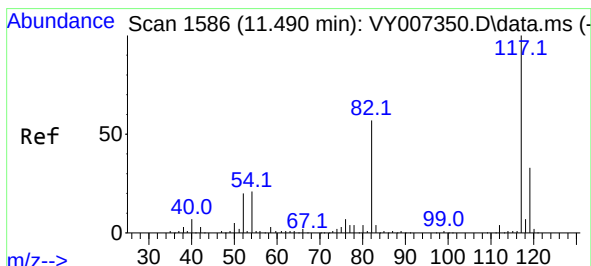
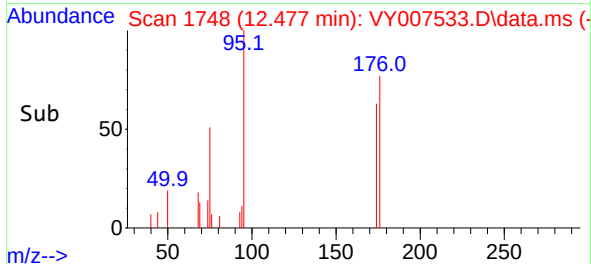
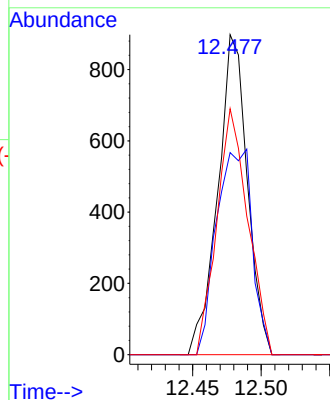
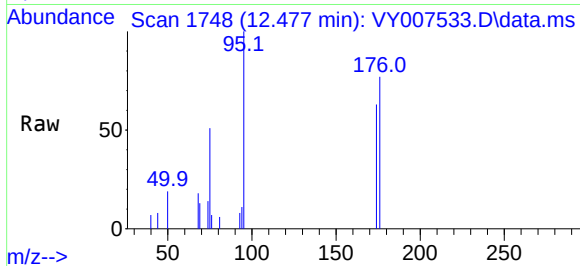




#62
4-Bromofluorobenzene
Concen: 49.472 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

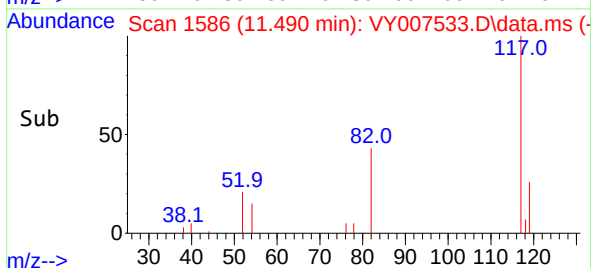
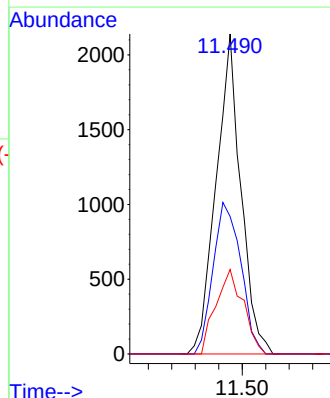
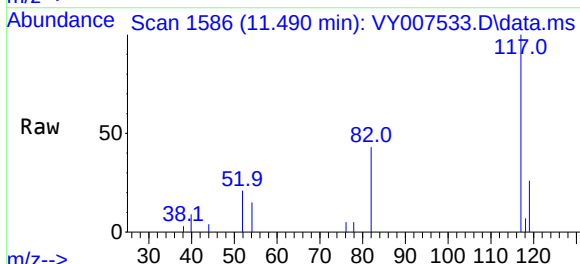
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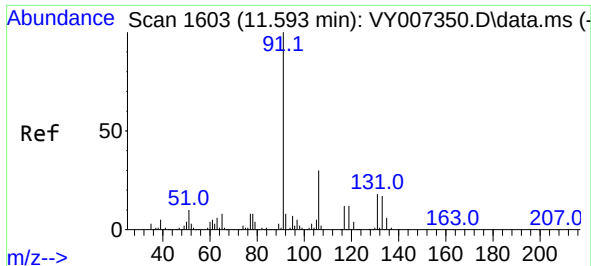
Tgt Ion: 95	Resp: 1346
Ion Ratio	Lower Upper
95 100	
174 77.4	0.0 177.0
176 80.7	0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

Tgt Ion: 117	Resp: 3133
Ion Ratio	Lower Upper
117 100	
82 42.9	43.0 64.4#
119 26.4	25.4 38.0





#67

Ethyl Benzene

Concen: 1.845 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY007533.D

Acq: 17 Feb 2022 19:21

Instrument :

MSVOA_Y

ClientSampleId :

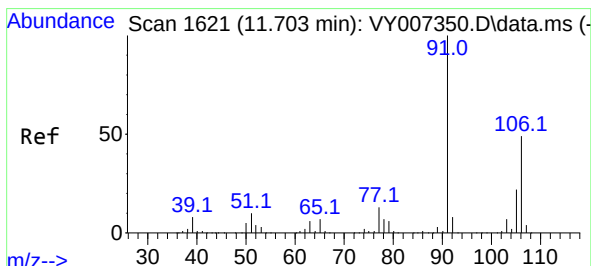
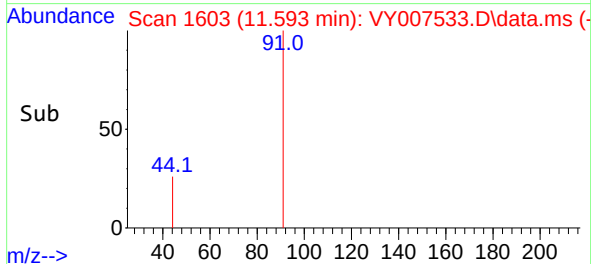
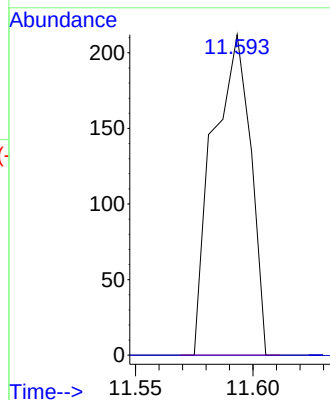
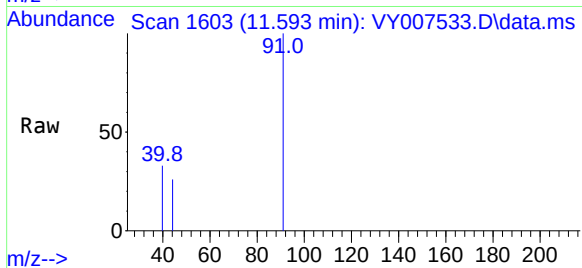
D-8

Tgt Ion: 91 Resp: 237

Ion Ratio Lower Upper

91 100

106 0.0 24.5 36.7#



#68

m/p-Xylenes

Concen: 4.238 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. 0.012 min

Lab File: VY007533.D

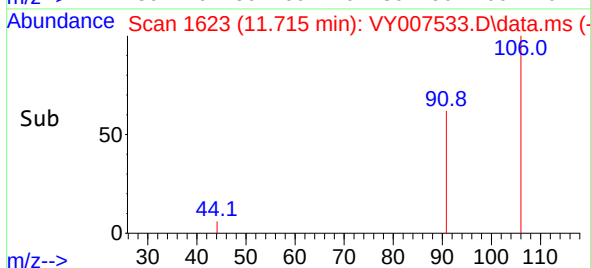
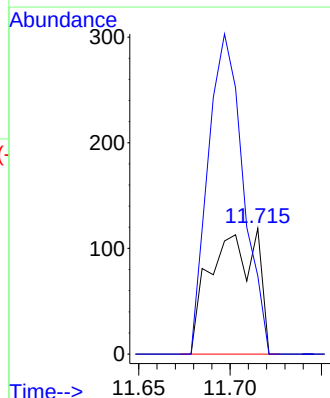
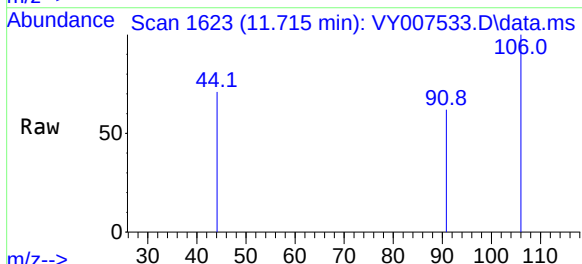
Acq: 17 Feb 2022 19:21

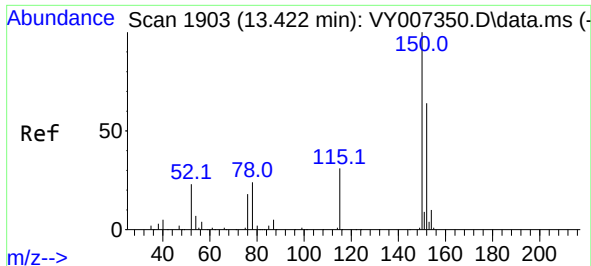
Tgt Ion: 106 Resp: 206

Ion Ratio Lower Upper

106 100

91 197.1 166.6 249.8

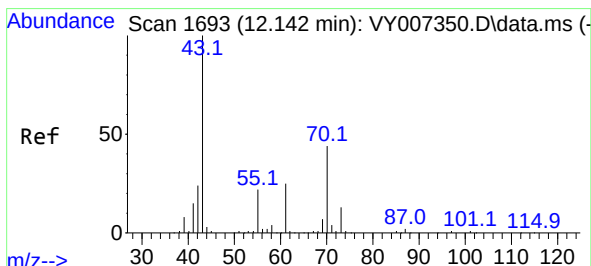
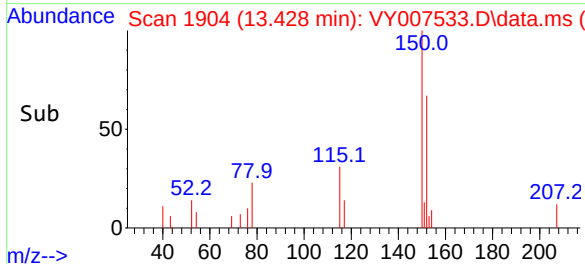
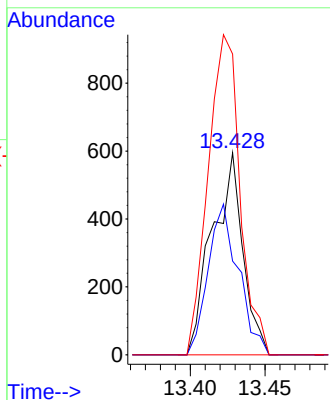
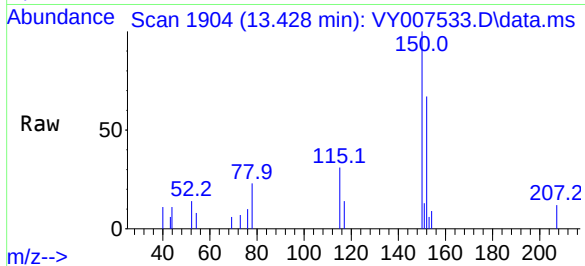




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

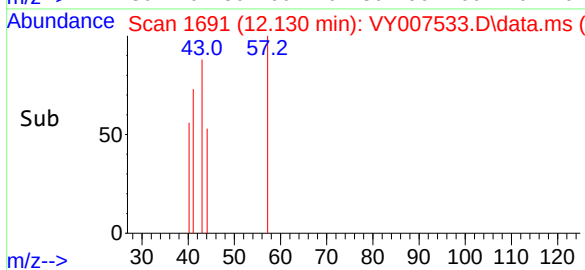
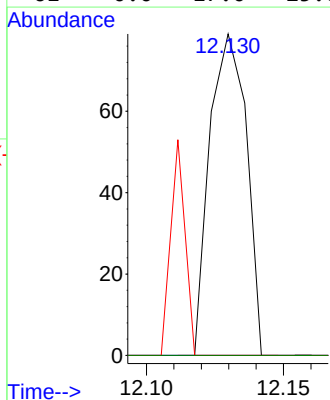
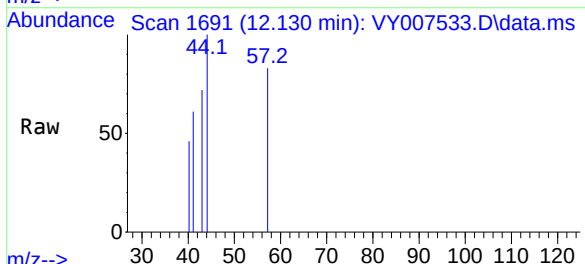
Instrument :
MSVOA_Y
ClientSampleId :
D-8

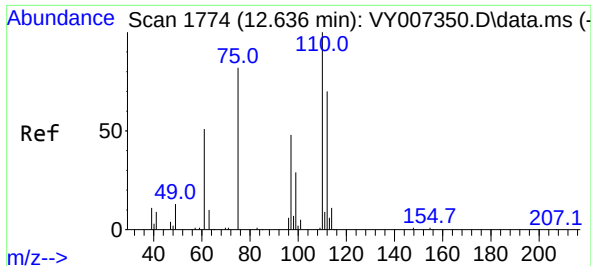
Tgt Ion:152 Resp: 848
Ion Ratio Lower Upper
152 100
115 73.7 28.2 84.7
150 165.0 0.0 347.6



#74
N-amy1 acetate
Concen: 4.351 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.012 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 25.7 17.3 25.9
61 0.0 17.0 25.6#

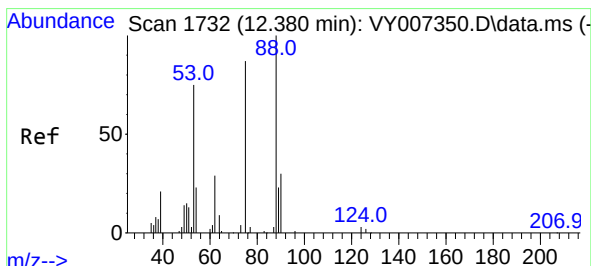
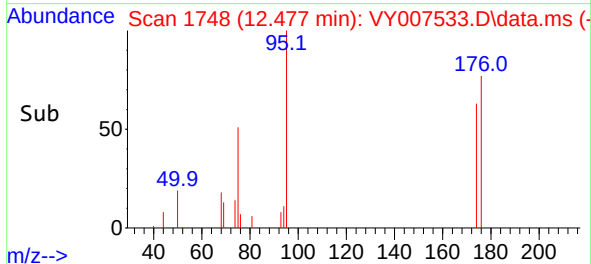
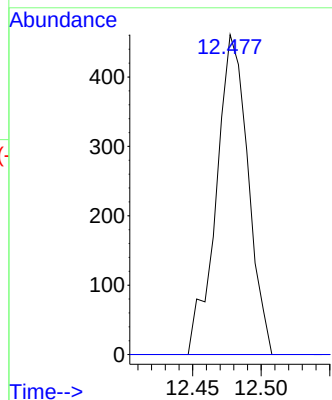
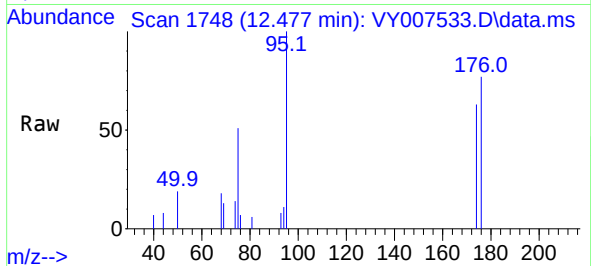




#76
1,2,3-Trichloropropane
Concen: 76.035 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

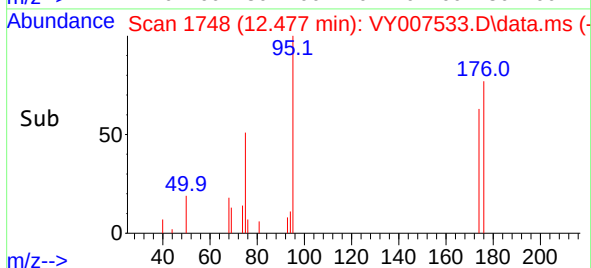
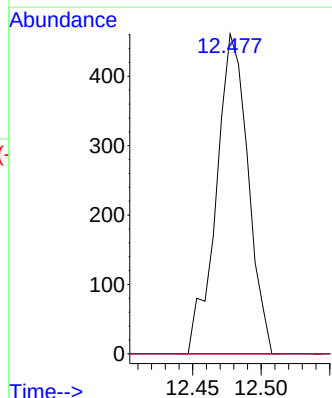
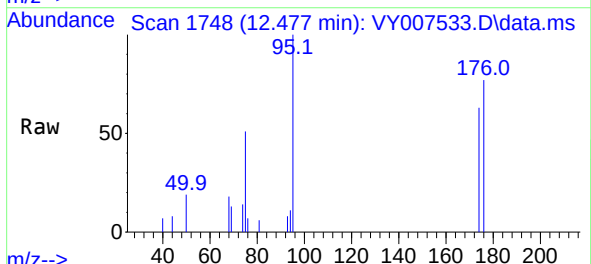
Instrument :
MSVOA_Y
ClientSampleId :
D-8

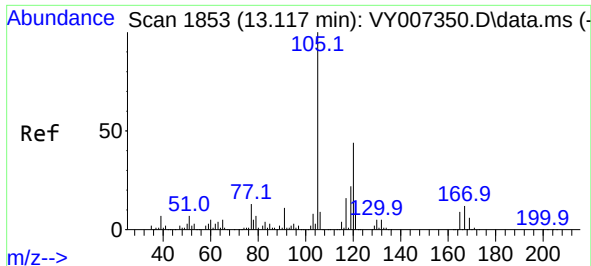
Tgt Ion: 75 Resp: 745
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 158.033 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

Tgt Ion: 75 Resp: 745
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

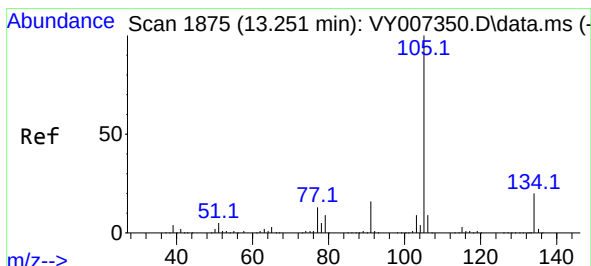
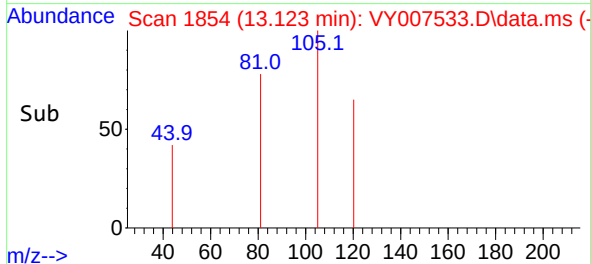
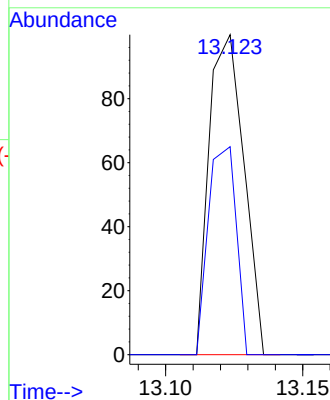
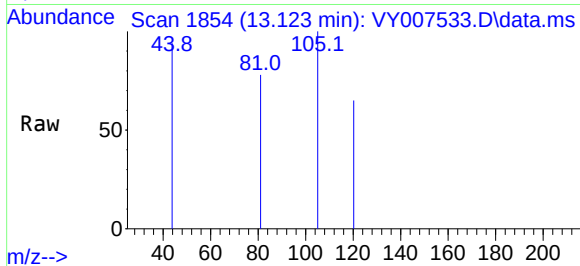




#84
1,2,4-Trimethylbenzene
Concen: 1.458 ug/l
RT: 13.123 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

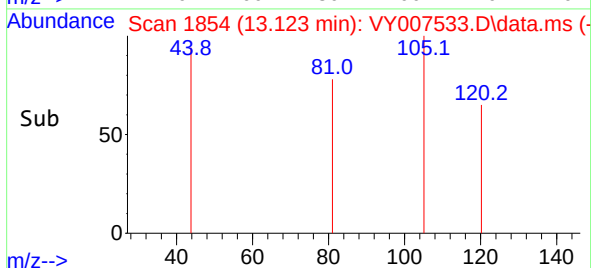
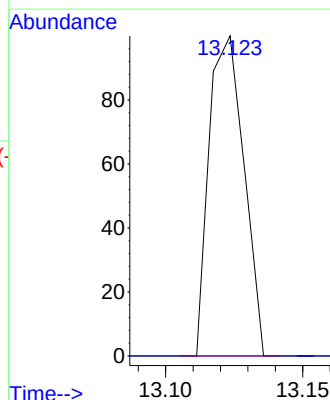
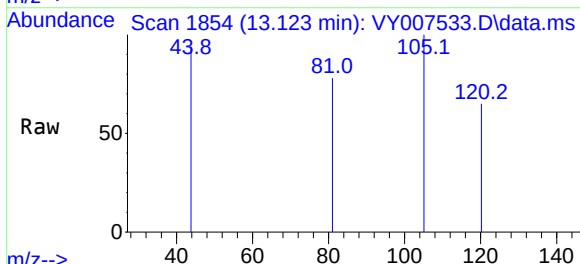
Instrument :
MSVOA_Y
ClientSampleId :
D-8

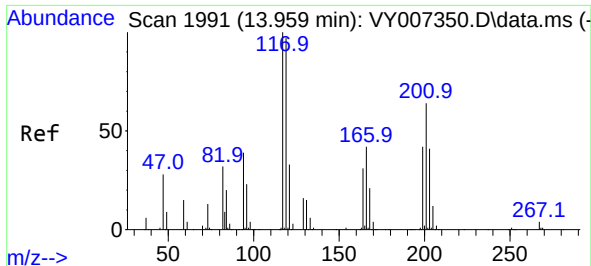
Tgt Ion:105 Resp: 88
Ion Ratio Lower Upper
105 100
120 52.3 22.3 66.9



#85
sec-Butylbenzene
Concen: 1.098 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.128 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

Tgt Ion:105 Resp: 88
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

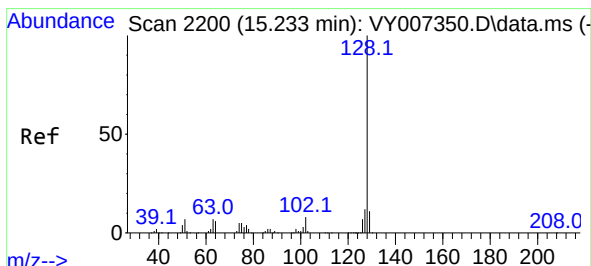
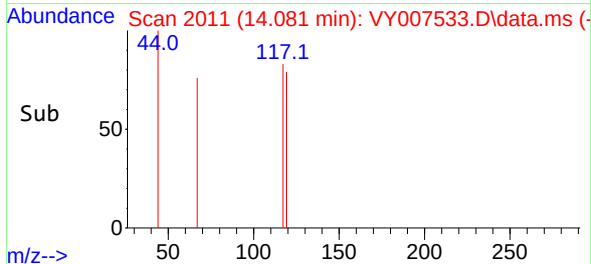
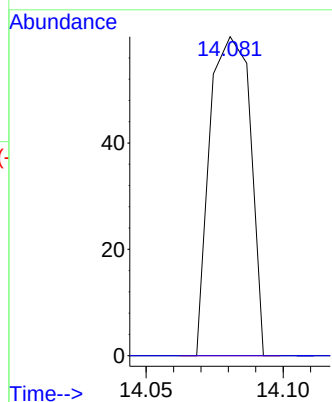
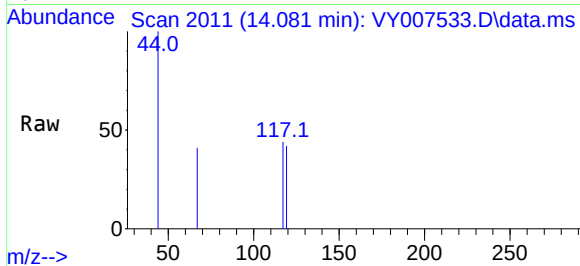




#90
Hexachloroethane
Concen: 4.834 ug/l
RT: 14.081 min Scan# 2011
Delta R.T. 0.122 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

Instrument :
MSVOA_Y
ClientSampleId :
D-8

Tgt Ion:117 Resp: 61
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 1.968 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY007533.D
Acq: 17 Feb 2022 19:21

Tgt Ion:128 Resp: 71
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

