

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013023\
 Data File : VY012392.D
 Acq On : 30 Jan 2023 13:04
 Operator : KP/MD
 Sample : 01356-01
 Misc : 5.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-J

Quant Time: Jan 31 01:47:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

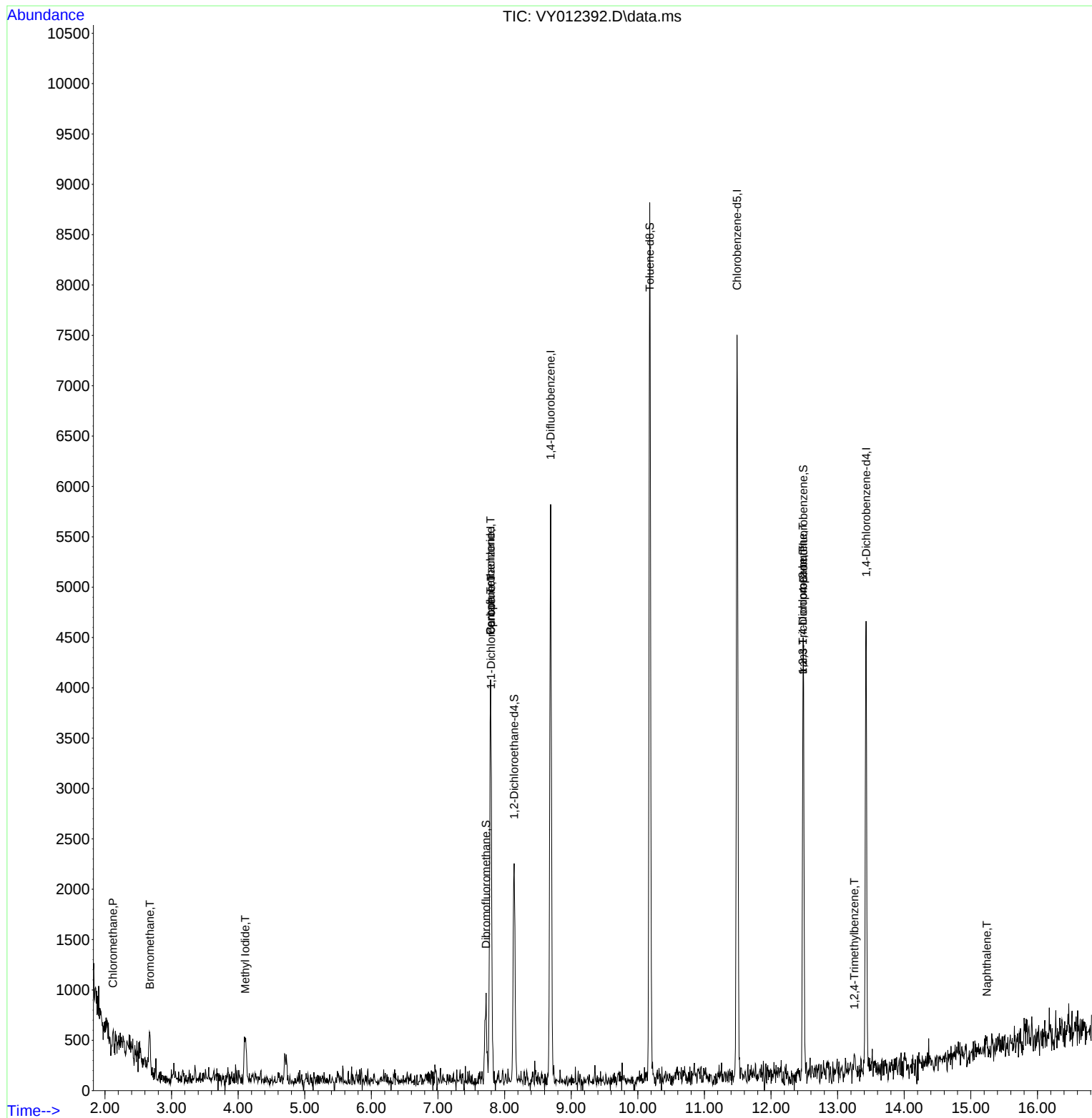
Internal Standards						
1) Pentafluorobenzene	7.789	168	3604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	5554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	4805	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	2031	69.523	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.040%	
35) Dibromofluoromethane	7.722	113	682	23.191	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 46.380%#	
50) Toluene-d8	10.179	98	6206	61.940	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 123.880%	
62) 4-Bromofluorobenzene	12.483	95	1620	39.077	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 78.160%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	111	3.818	ug/l	# 41
5) Bromomethane	2.674	94	216	8.232	ug/l	86
10) Methyl Iodide	4.106	142	704	14.370	ug/l	# 74
20) Methylene Chloride	4.698	84	91	Below Cal	#	51
36) 1,1-Dichloropropene	7.795	75	162	3.241	ug/l	# 41
38) Carbon Tetrachloride	7.789	117	324	5.019	ug/l	# 14
76) 1,2,3-Trichloropropane	12.477	75	773	51.041	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	773	105.166	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.251	105	115	1.129	ug/l	# 31
95) Naphthalene	15.239	128	112	1.746	ug/l	# 69

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

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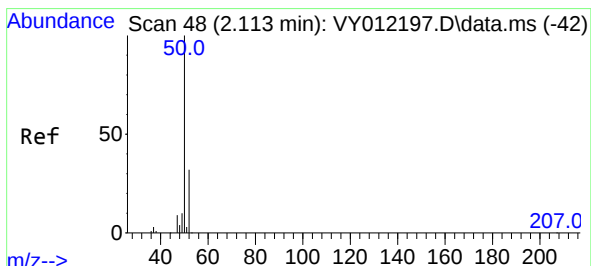
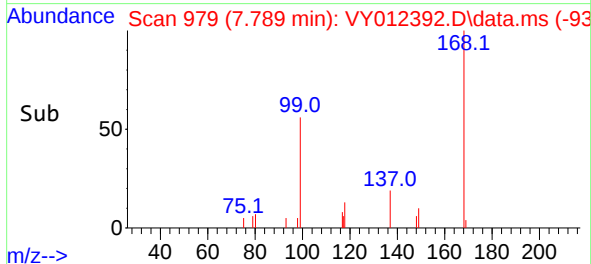
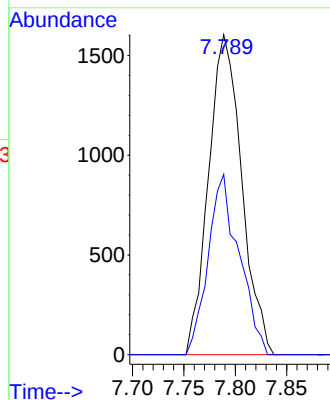
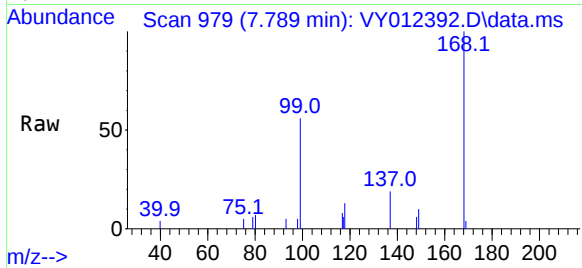




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

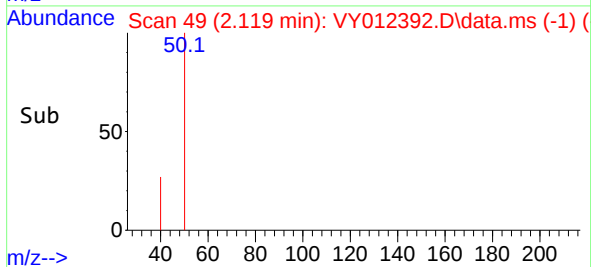
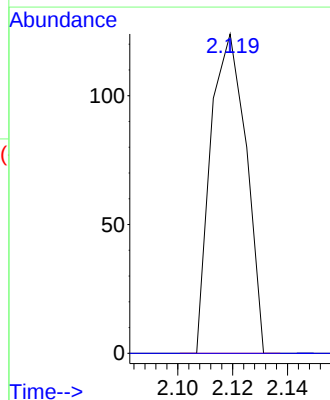
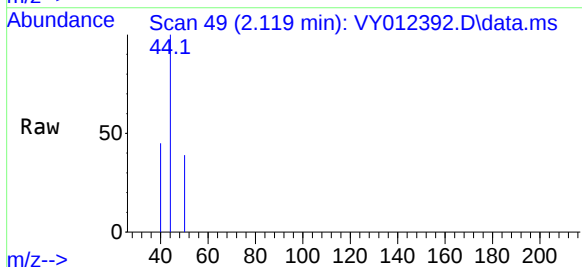
Instrument :
MSVOA_Y
ClientSampleId :
TP-J

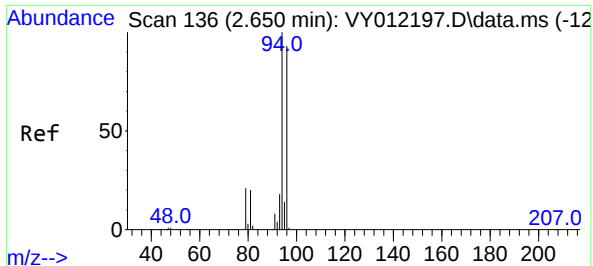
Tgt Ion:168 Resp: 3604
Ion Ratio Lower Upper
168 100
99 56.4 44.0 66.0



#3
Chloromethane
Concen: 3.818 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

Tgt Ion: 50 Resp: 111
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

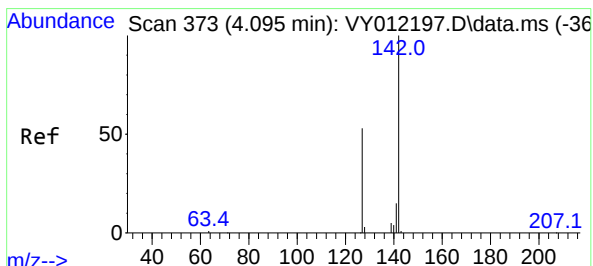
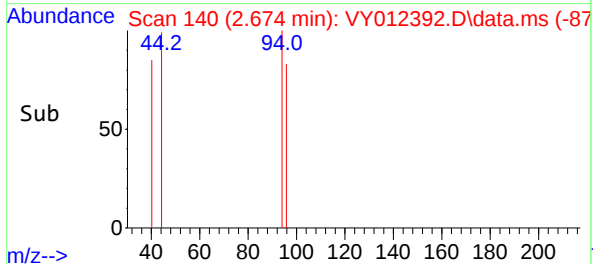
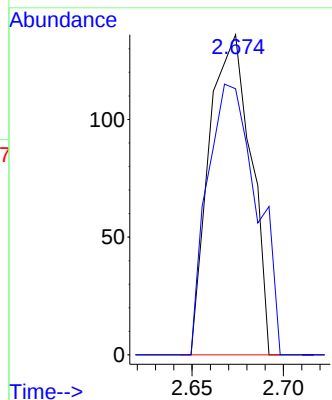
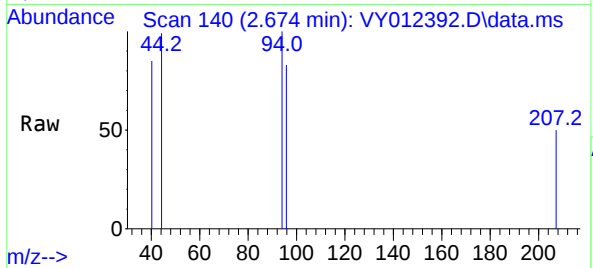




#5
Bromomethane
Concen: 8.232 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

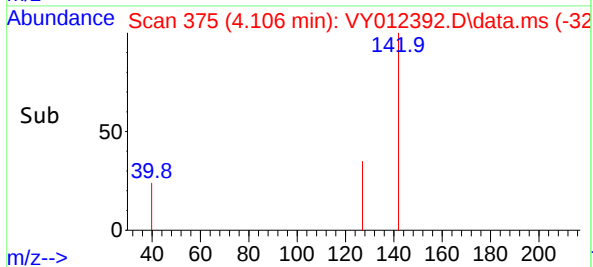
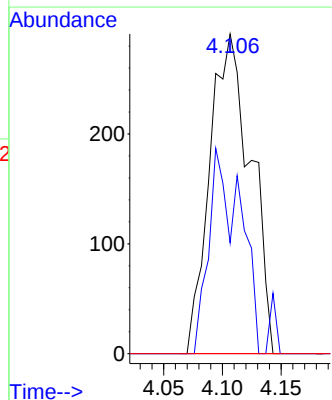
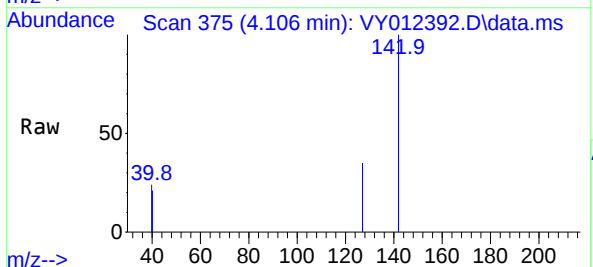
Instrument :
MSVOA_Y
ClientSampleId :
TP-J

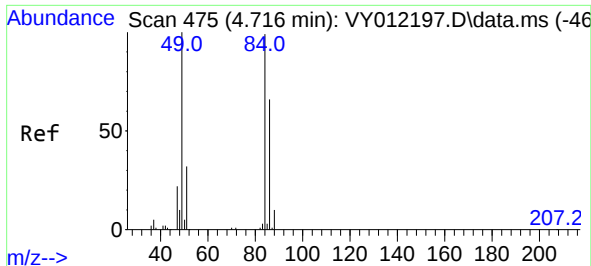
Tgt Ion: 94 Resp: 216
Ion Ratio Lower Upper
94 100
96 83.1 77.4 116.2



#10
Methyl Iodide
Concen: 14.370 ug/l
RT: 4.106 min Scan# 375
Delta R.T. 0.011 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

Tgt Ion: 142 Resp: 704
Ion Ratio Lower Upper
142 100
127 30.5 37.0 55.4#
141 0.0 11.4 17.0#



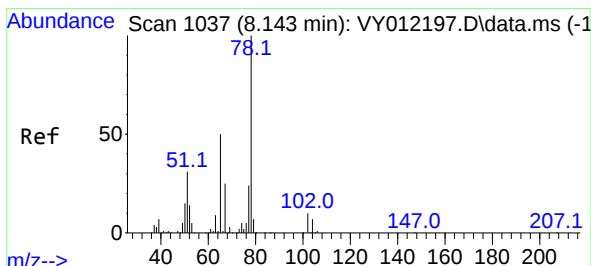
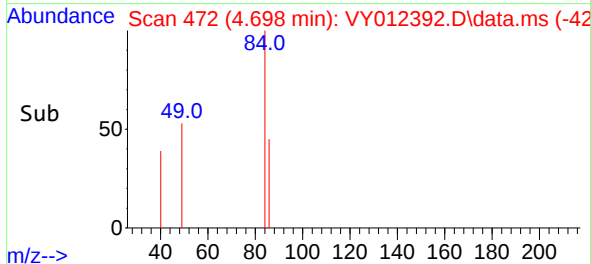
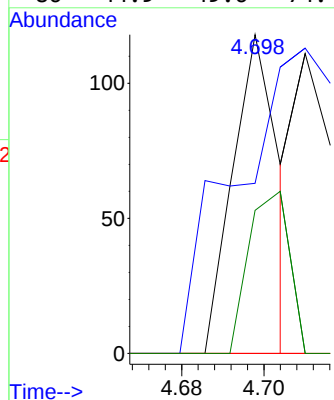
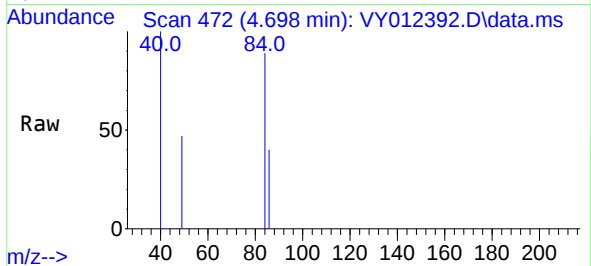


#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

Instrument :
MSVOA_Y
ClientSampleId :
TP-J

Tgt Ion: 84 Resp: 91

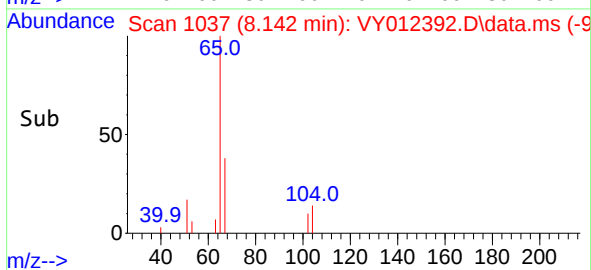
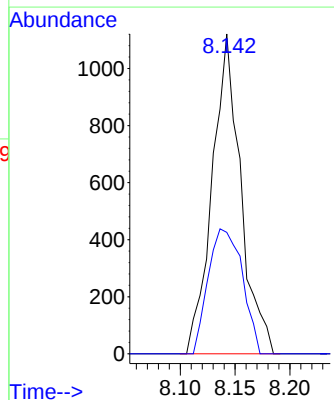
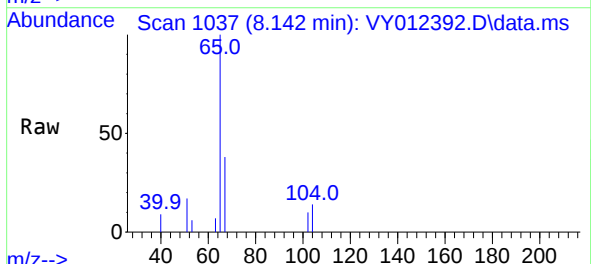
Ion	Ratio	Lower	Upper
84	100		
49	53.4	95.4	143.2#
51	0.0	29.9	44.9#
86	44.9	49.6	74.4#

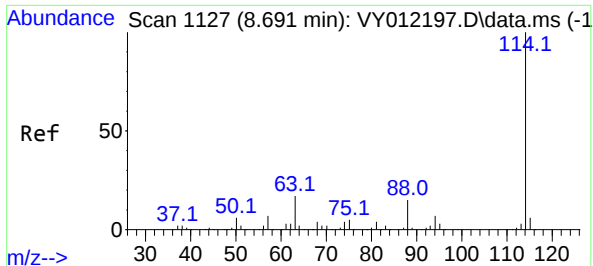


#33
1,2-Dichloroethane-d4
Concen: 69.523 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

Tgt Ion: 65 Resp: 2031

Ion	Ratio	Lower	Upper
65	100		
67	46.6	0.0	103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012392.D

Acq: 30 Jan 2023 13:04

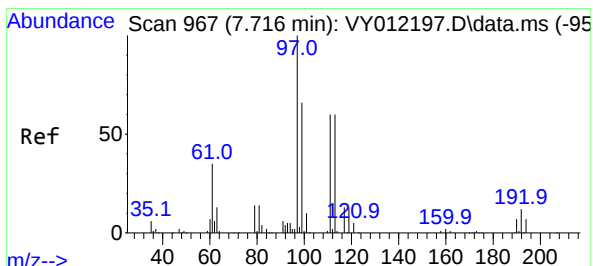
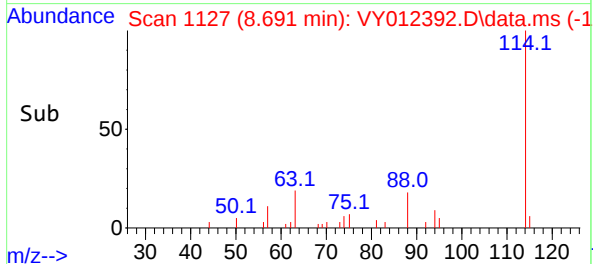
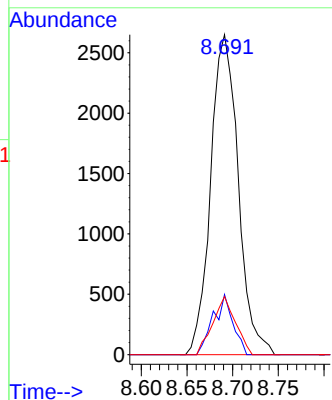
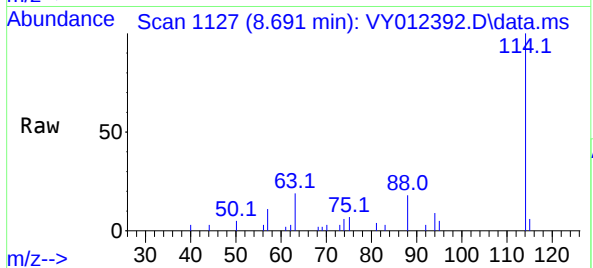
Instrument :

MSVOA_Y

ClientSampleId :

TP-J

Tgt Ion:114	Resp:	5554
Ion	Ratio	Lower Upper
114	100	
63	18.8	0.0 39.6
88	18.1	0.0 32.2



#35

Dibromofluoromethane

Concen: 23.191 ug/l

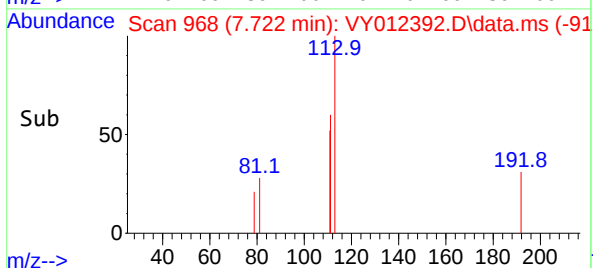
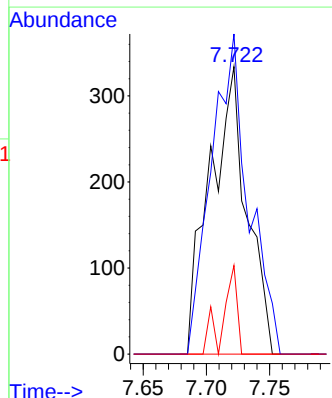
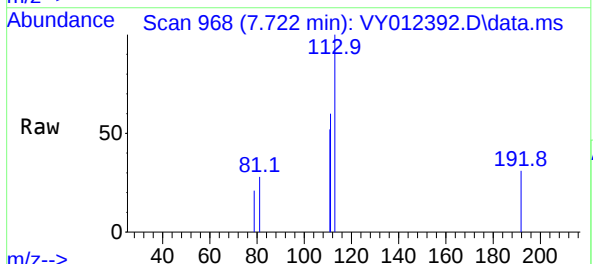
RT: 7.722 min Scan# 968

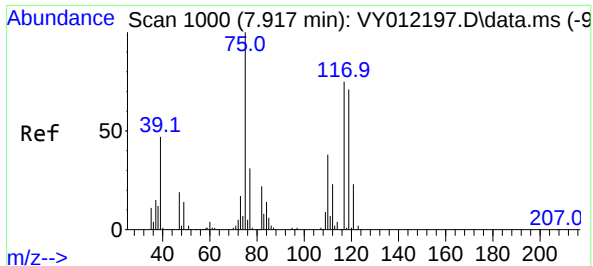
Delta R.T. 0.006 min

Lab File: VY012392.D

Acq: 30 Jan 2023 13:04

Tgt Ion:113	Resp:	682
Ion	Ratio	Lower Upper
113	100	
111	111.9	83.0 124.4
192	11.7	16.0 24.0#





#36

1,1-Dichloropropene

Concen: 3.241 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY012392.D

Acq: 30 Jan 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-J

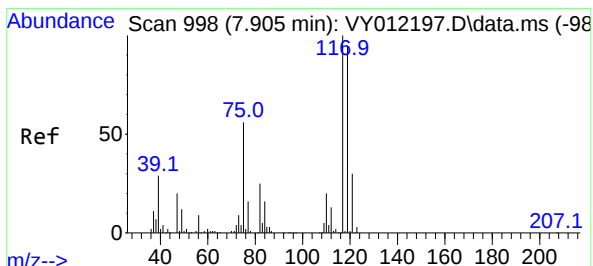
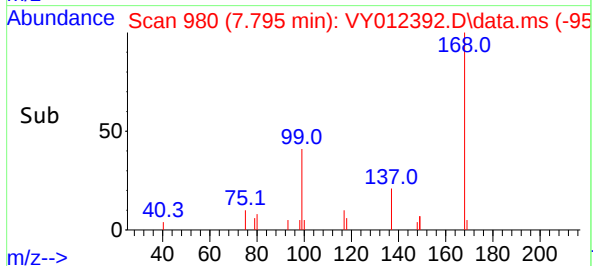
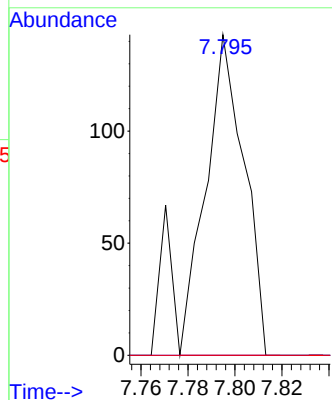
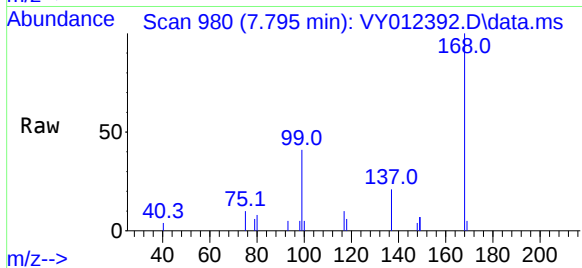
Tgt Ion: 75 Resp: 162

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.019 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012392.D

Acq: 30 Jan 2023 13:04

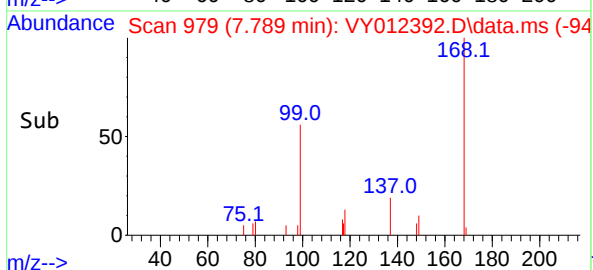
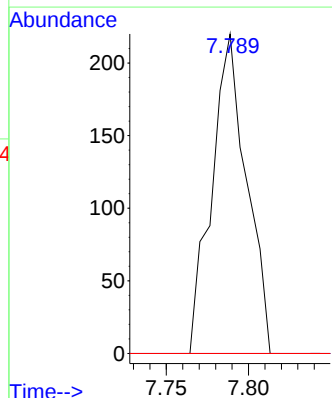
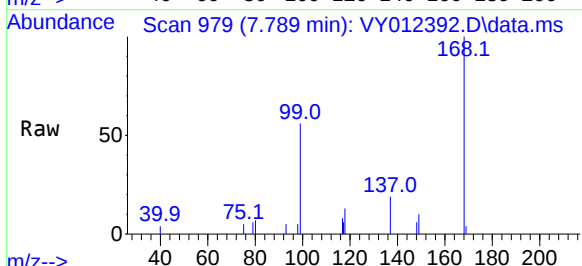
Tgt Ion: 117 Resp: 324

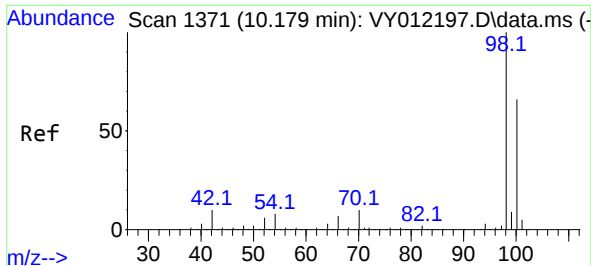
Ion Ratio Lower Upper

117 100

119 0.0 73.8 110.8#

121 0.0 25.2 37.8#

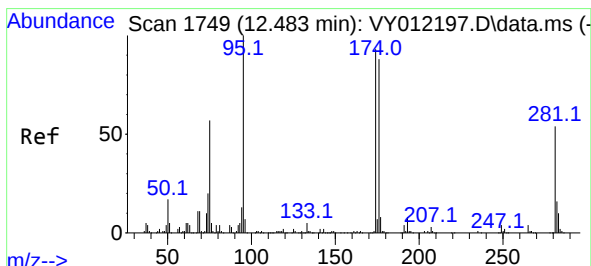
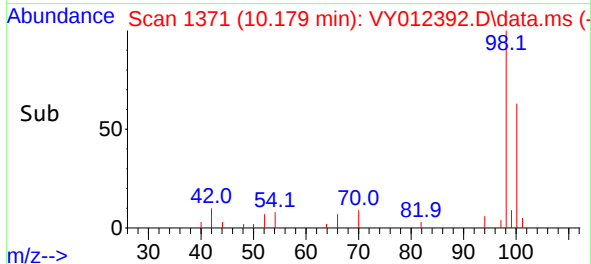
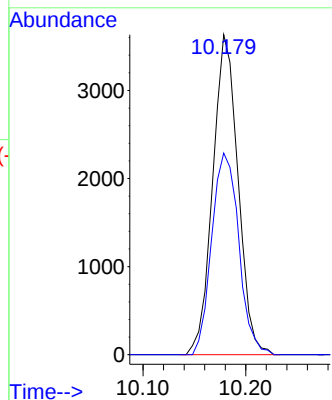
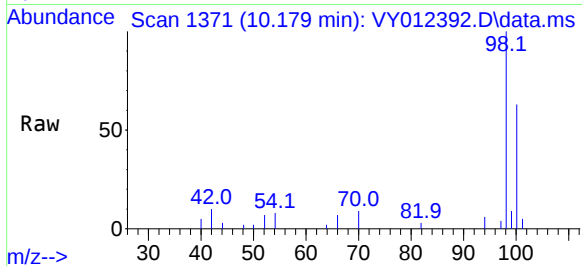




#50
Toluene-d8
Concen: 61.940 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

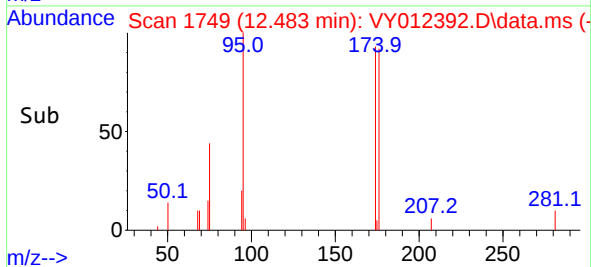
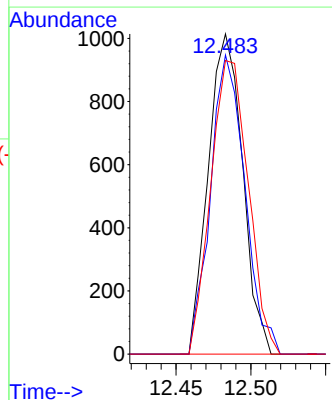
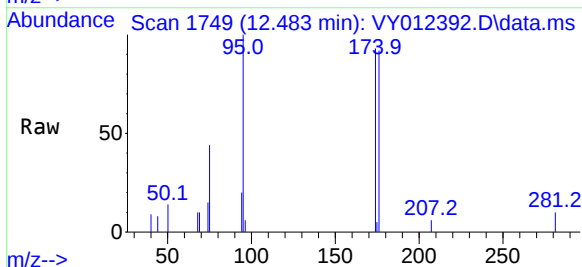
Instrument :
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TP-J

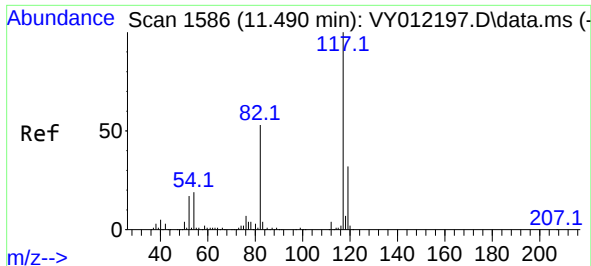
Tgt Ion: 98 Resp: 6206
Ion Ratio Lower Upper
98 100
100 67.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 39.077 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

Tgt Ion: 95 Resp: 1620
Ion Ratio Lower Upper
95 100
174 93.3 0.0 172.0
176 100.1 0.0 167.6

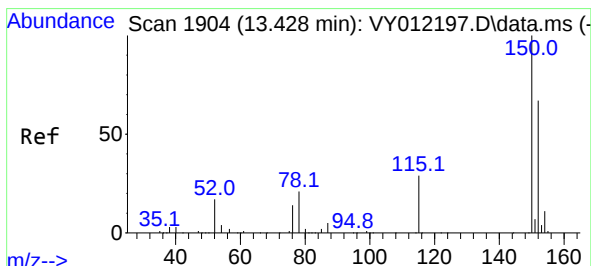
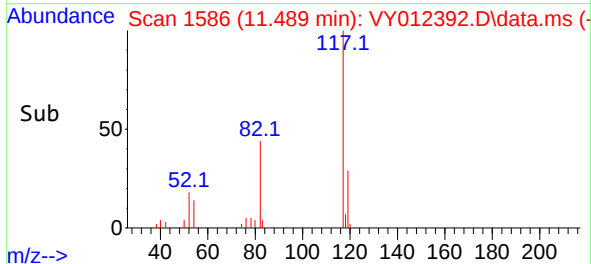
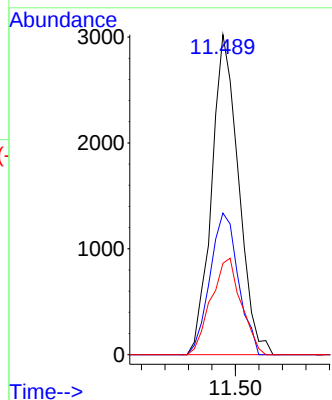
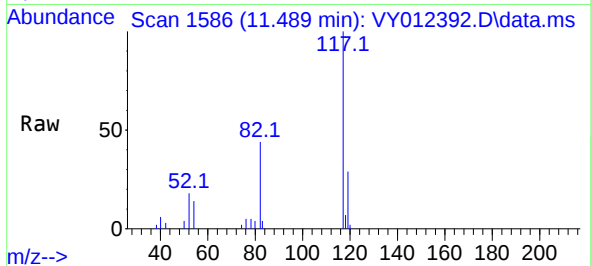




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

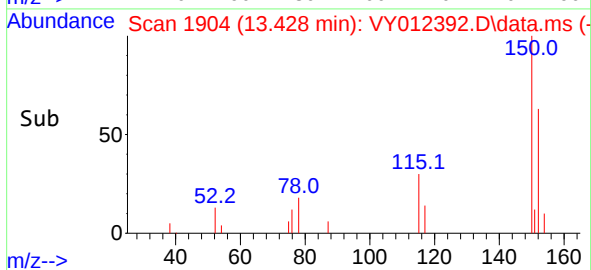
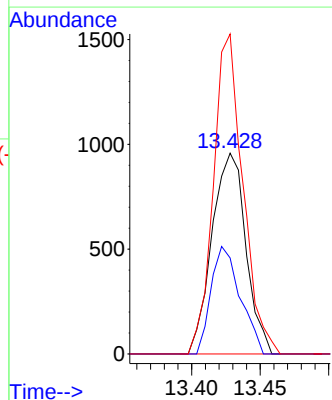
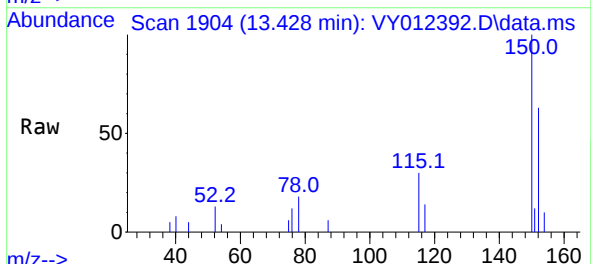
Instrument :
MSVOA_Y
ClientSampleId :
TP-J

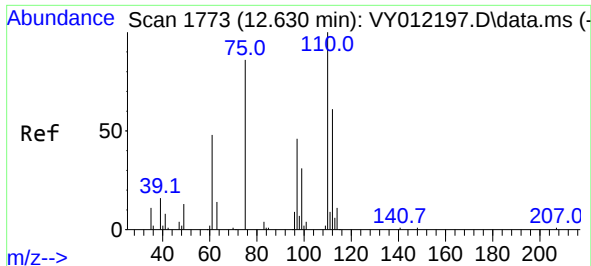
Tgt Ion:117 Resp: 4805
Ion Ratio Lower Upper
117 100
82 44.2 44.8 67.2#
119 28.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

Tgt Ion:152 Resp: 1647
Ion Ratio Lower Upper
152 100
115 46.1 29.1 87.3
150 138.9 0.0 342.6

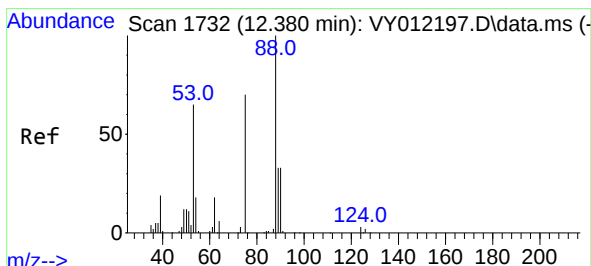
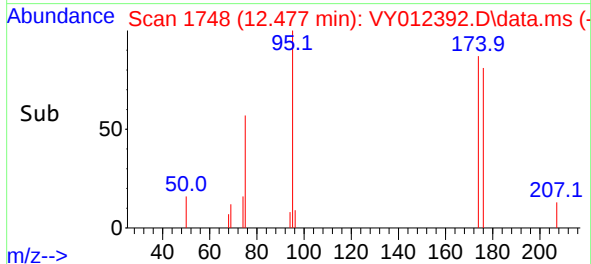
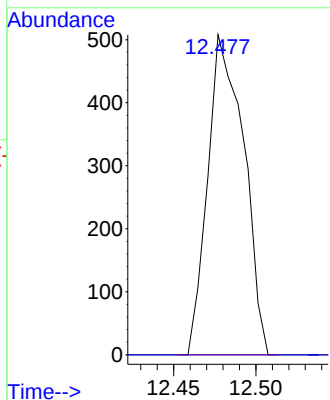
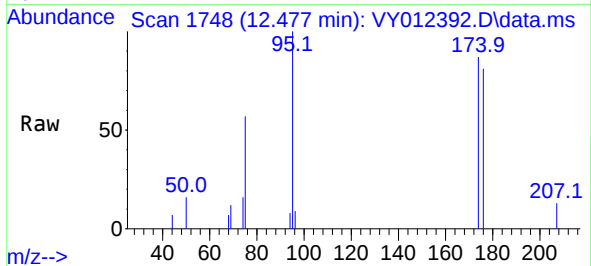




#76
1,2,3-Trichloropropane
Concen: 51.041 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

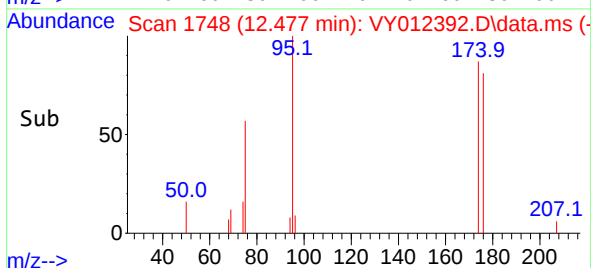
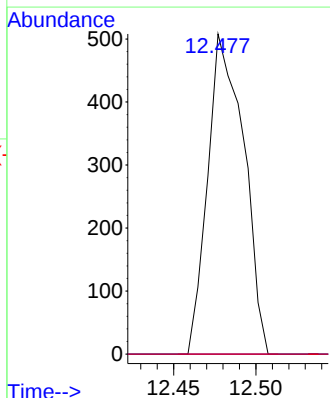
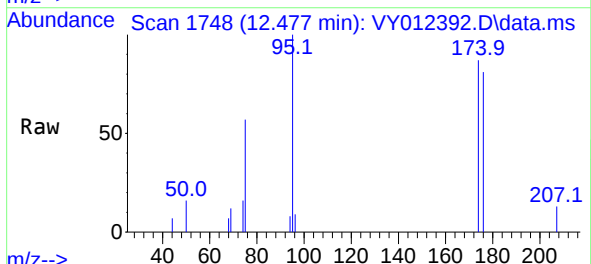
Instrument :
MSVOA_Y
ClientSampleId :
TP-J

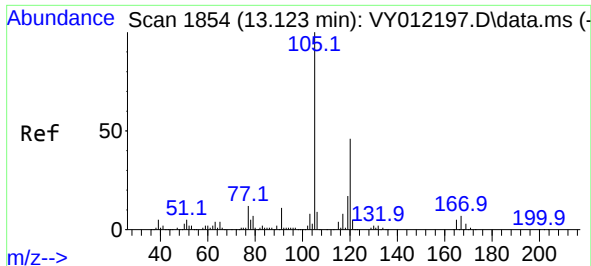
Tgt Ion: 75 Resp: 773
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 105.166 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

Tgt Ion: 75 Resp: 773
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

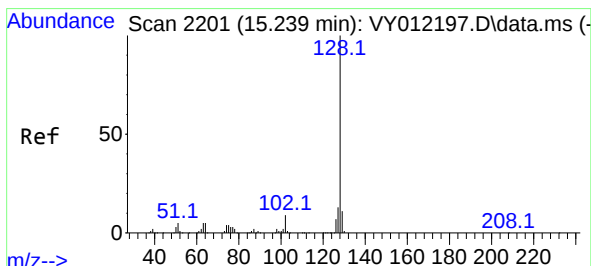
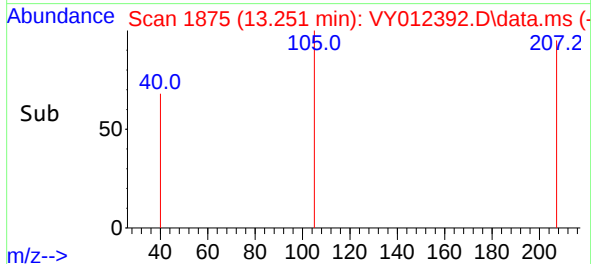
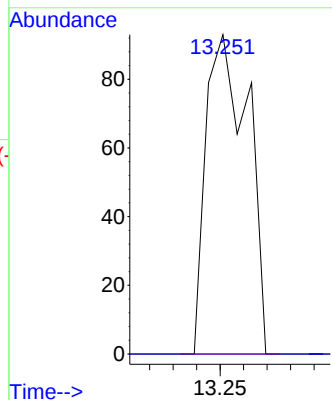
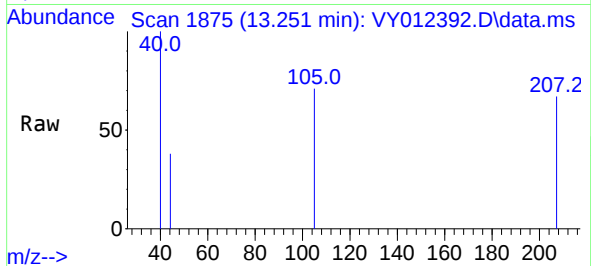




#84
1,2,4-Trimethylbenzene
Concen: 1.129 ug/l
RT: 13.251 min Scan# 1854
Delta R.T. 0.134 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

Instrument :
MSVOA_Y
ClientSampleId :
TP-J

Tgt Ion:105 Resp: 115
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#



#95
Naphthalene
Concen: 1.746 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY012392.D
Acq: 30 Jan 2023 13:04

Tgt Ion:128 Resp: 112
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

