

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020623\
 Data File : VY012503.D
 Acq On : 06 Feb 2023 18:19
 Operator : KP/MD
 Sample : 01410-04RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 03:47:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 07 03:42:26 2023
 Response via : Initial Calibration

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

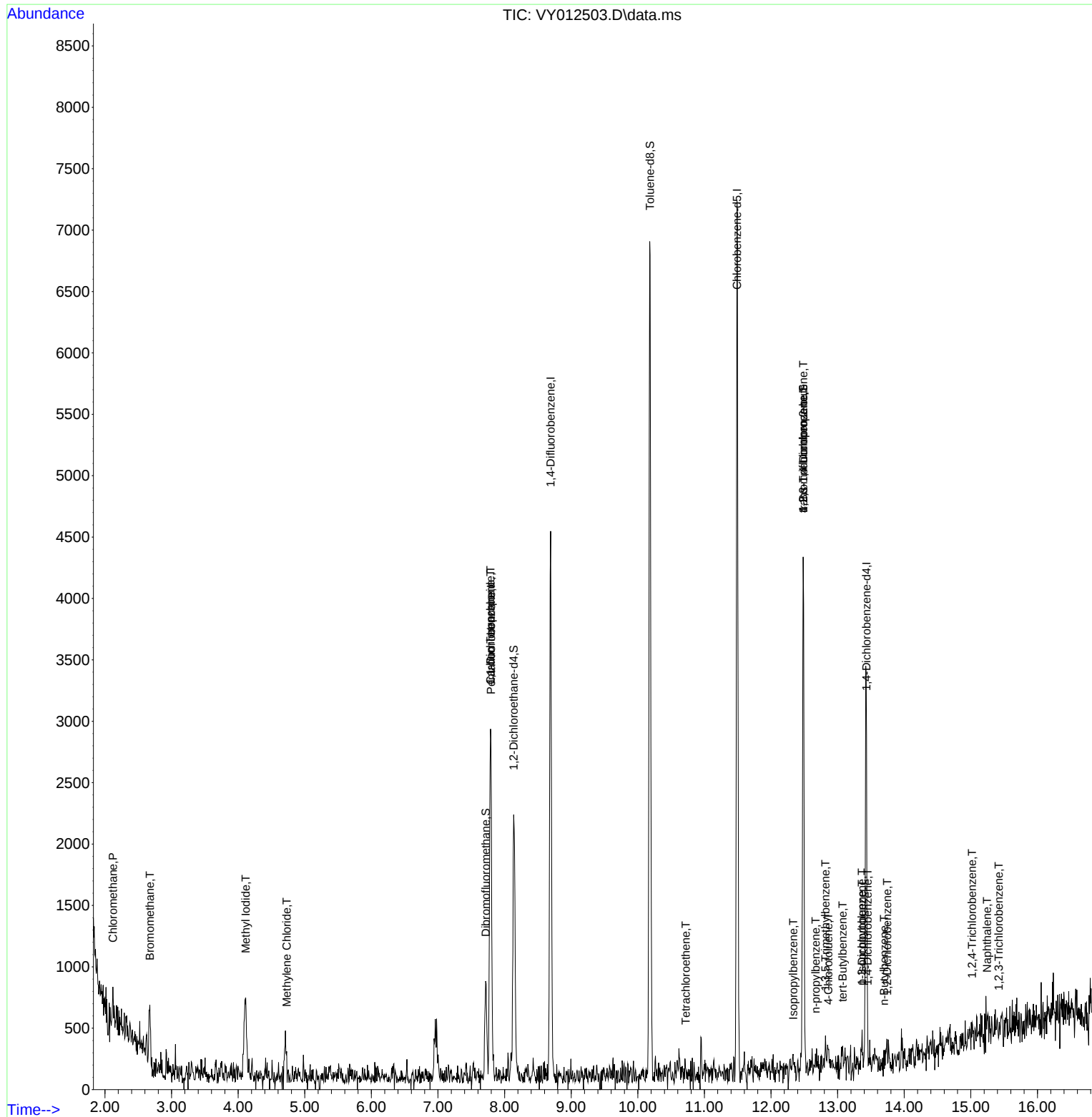
Internal Standards						
1) Pentafluorobenzene	7.795	168	2817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	4604	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	1134	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	1966	56.241	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.480%	
35) Dibromofluoromethane	7.716	113	633	18.653	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 37.300%#	
50) Toluene-d8	10.185	98	5103	36.177	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 72.360%	
62) 4-Bromofluorobenzene	12.483	95	1381	29.131	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 58.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	177	8.186	ug/l #	41
5) Bromomethane	2.674	94	271	11.442	ug/l	93
10) Methyl Iodide	4.113	142	1126	29.814	ug/l #	93
20) Methylene Chloride	4.729	84	296	3.673	ug/l #	26
36) 1,1-Dichloropropene	7.789	75	192	4.185	ug/l #	41
38) Carbon Tetrachloride	7.789	117	203	3.288	ug/l #	14
64) Tetrachloroethene	10.721	164	66	1.379	ug/l #	1
73) Isopropylbenzene	12.337	105	143	1.592	ug/l #	49
76) 1,2,3-Trichloropropane	12.483	75	626	49.447	ug/l #	100
78) n-propylbenzene	12.672	91	158	1.513	ug/l #	52
80) 1,3,5-Trimethylbenzene	12.819	105	130	1.680	ug/l #	51
81) trans-1,4-Dichloro-2-b...	12.483	75	626	109.460	ug/l #	13
82) 4-Chlorotoluene	12.861	91	145	2.321	ug/l #	66
83) tert-Butylbenzene	13.075	119	115	1.695	ug/l #	27
86) p-Isopropyltoluene	13.367	119	143	1.675	ug/l #	50
87) 1,3-Dichlorobenzene	13.367	146	81	1.847	ug/l #	64
88) 1,4-Dichlorobenzene	13.453	146	98	2.238	ug/l #	53
89) n-Butylbenzene	13.696	91	76	1.037	ug/l #	33
91) 1,2-Dichlorobenzene	13.745	146	80	2.037	ug/l #	43
93) 1,2,4-Trichlorobenzene	15.019	180	29	1.151	ug/l #	73
95) Naphthalene	15.245	128	234	4.619	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.422	180	67	3.043	ug/l #	34

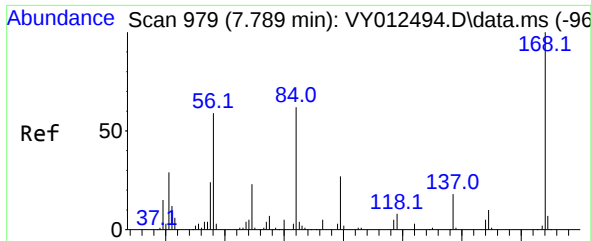
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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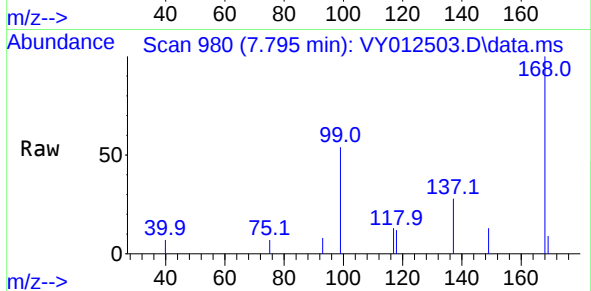
Quant Time: Feb 07 03:47:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020623S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 07 03:42:26 2023
Response via : Initial Calibration



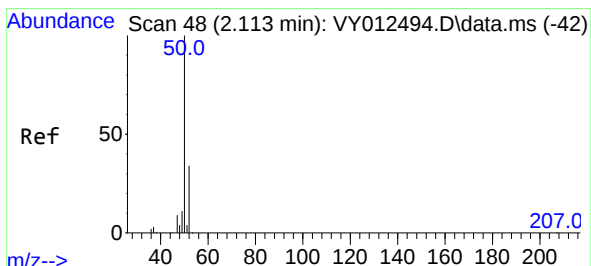
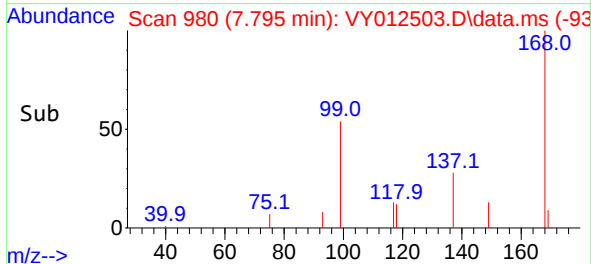
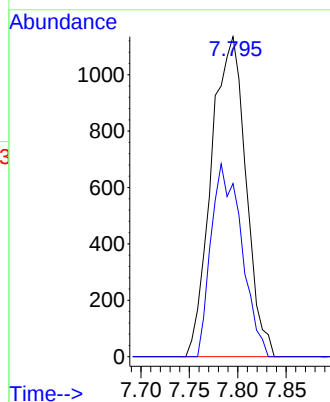


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

Instrument :
MSVOA_Y
ClientSampleId :

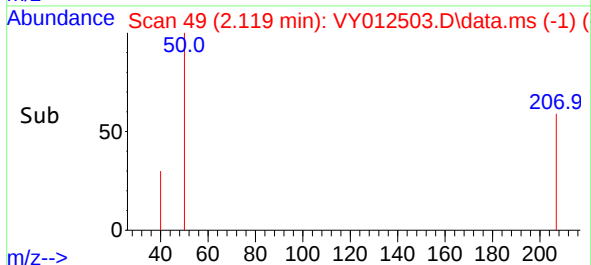
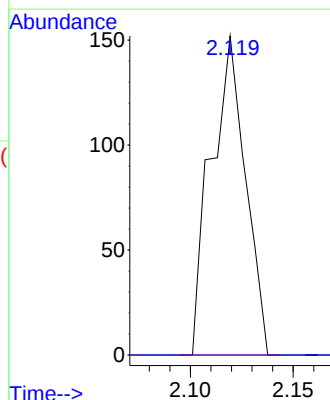
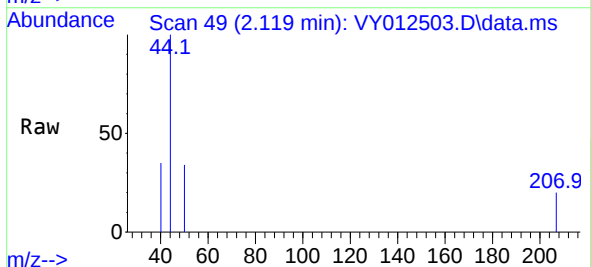


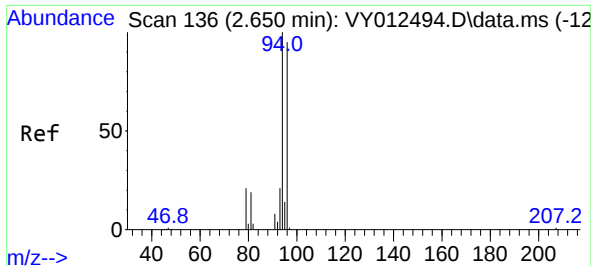
Tgt Ion:168 Resp: 2817
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0



#3
Chloromethane
Concen: 8.186 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

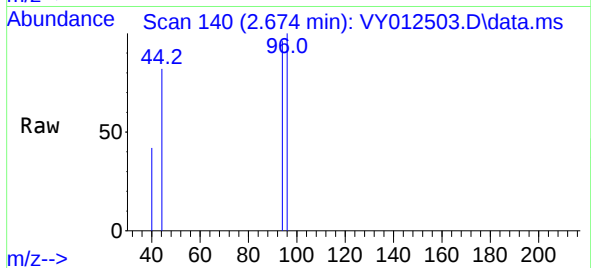
Tgt Ion: 50 Resp: 177
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



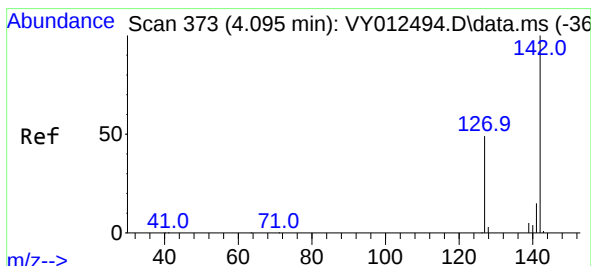
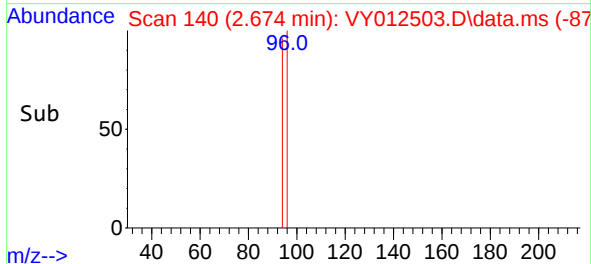
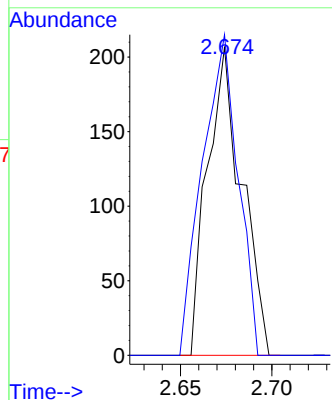


#5
Bromomethane
Concen: 11.442 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

Instrument :
MSVOA_Y
ClientSampleId :

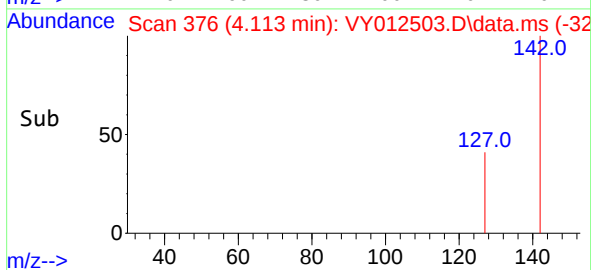
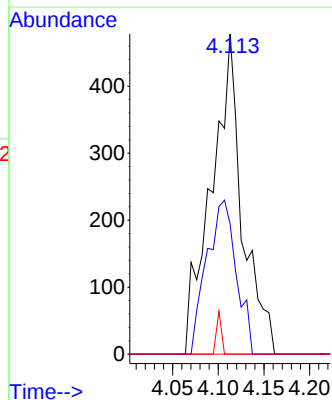
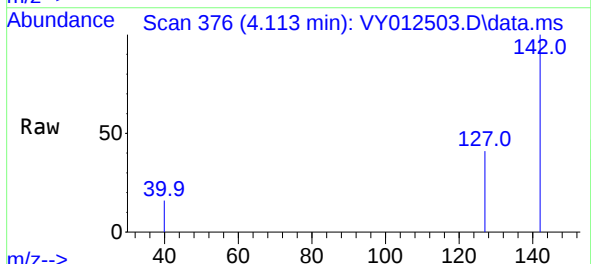


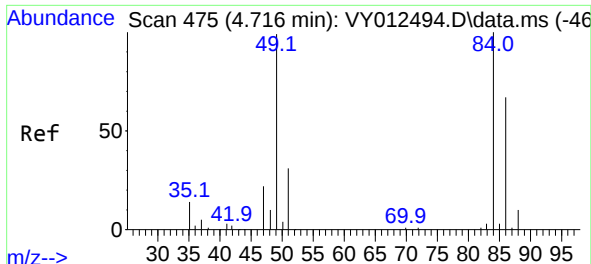
Tgt Ion: 94 Resp: 271
Ion Ratio Lower Upper
94 100
96 103.9 77.4 116.2



#10
Methyl Iodide
Concen: 29.814 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.018 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

Tgt Ion:142 Resp: 1126
Ion Ratio Lower Upper
142 100
127 45.8 37.0 55.4
141 2.0 11.4 17.0#





#20

Methylene Chloride

Concen: 3.673 ug/l

RT: 4.729 min Scan# 41

Delta R.T. 0.013 min

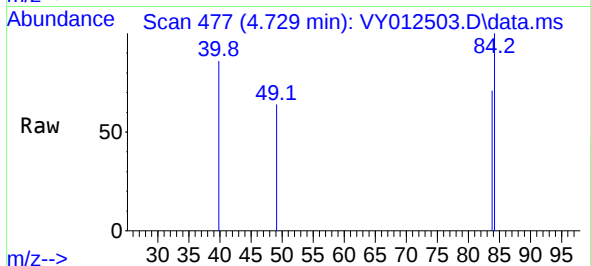
Lab File: VY012503.D

Acq: 06 Feb 2023 18:19

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 296

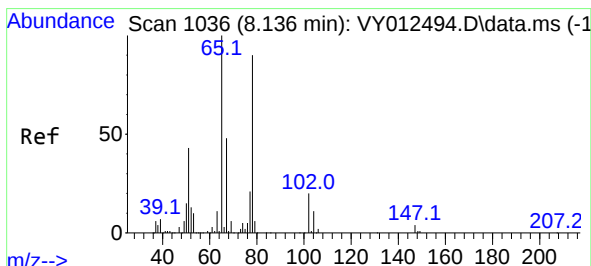
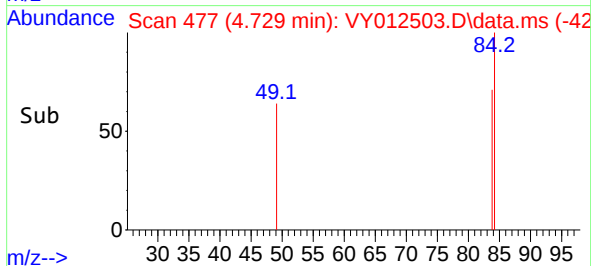
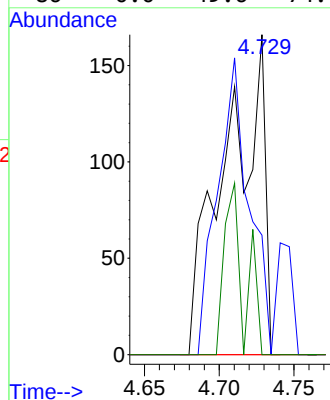
Ion Ratio Lower Upper

84 100

49 37.3 95.4 143.2#

51 0.0 29.9 44.9#

86 0.0 49.6 74.4#



#33

1,2-Dichloroethane-d4

Concen: 56.241 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012503.D

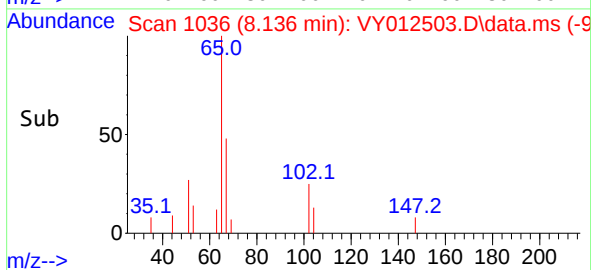
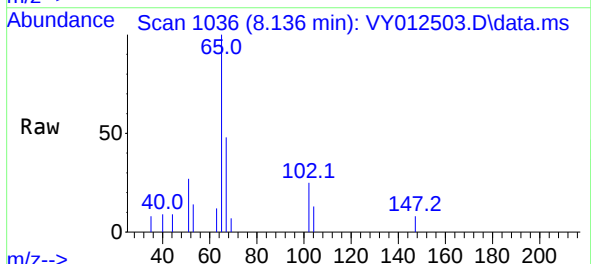
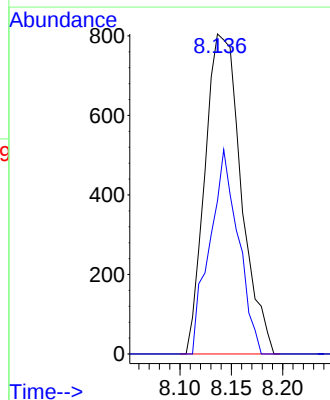
Acq: 06 Feb 2023 18:19

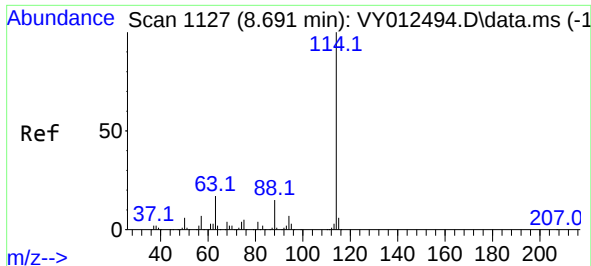
Tgt Ion: 65 Resp: 1966

Ion Ratio Lower Upper

65 100

67 50.5 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: VY012503.D

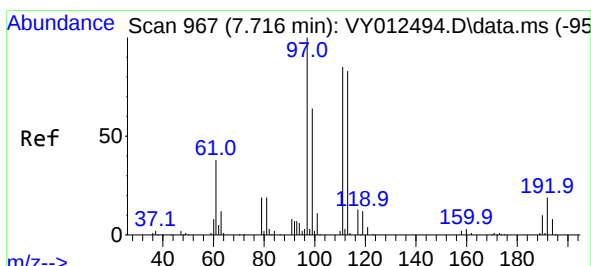
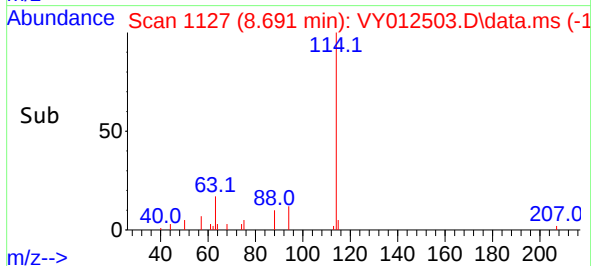
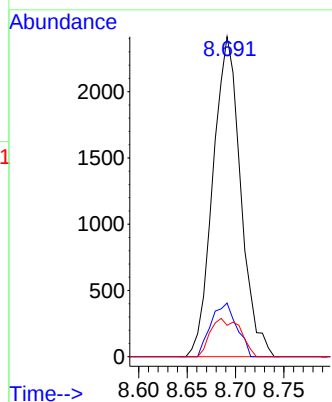
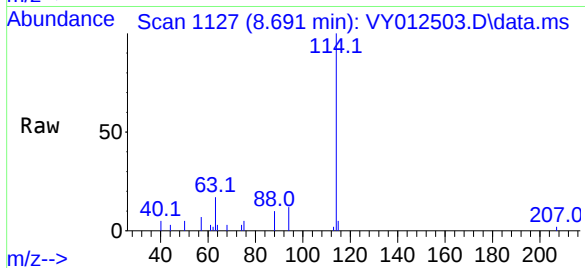
Acq: 06 Feb 2023 18:19

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	4811
Ion	Ratio	Lower Upper
114	100	
63	16.8	0.0 39.6
88	9.8	0.0 32.2



#35

Dibromofluoromethane

Concen: 18.653 ug/l

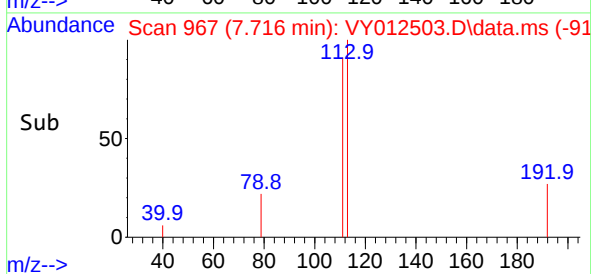
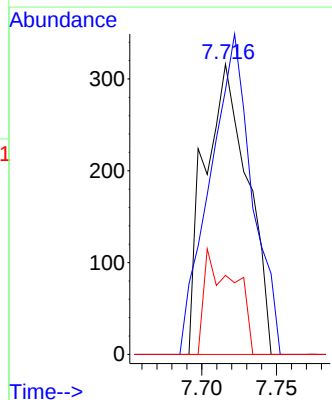
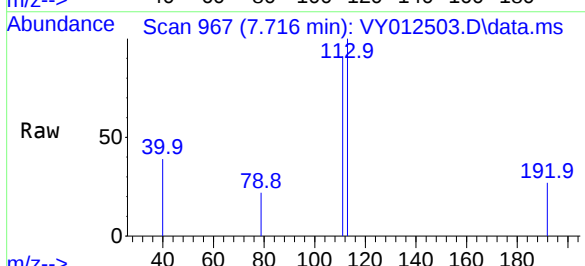
RT: 7.716 min Scan# 967

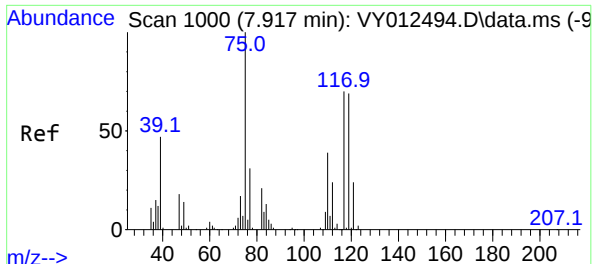
Delta R.T. -0.000 min

Lab File: VY012503.D

Acq: 06 Feb 2023 18:19

Tgt Ion:113	Resp:	633
Ion	Ratio	Lower Upper
113	100	
111	108.1	83.0 124.4
192	25.3	16.0 24.0#





#36

1,1-Dichloropropene

Concen: 4.185 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012503.D

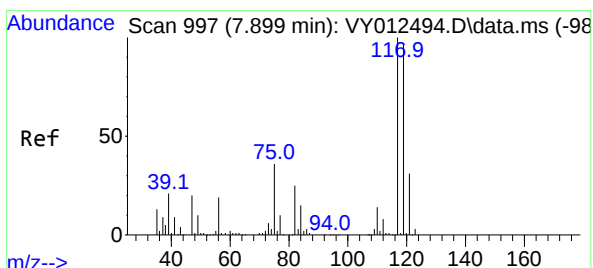
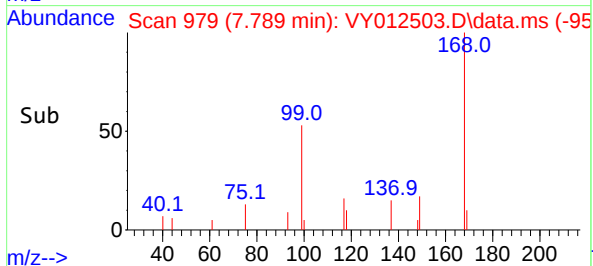
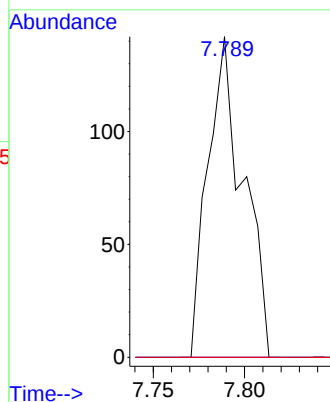
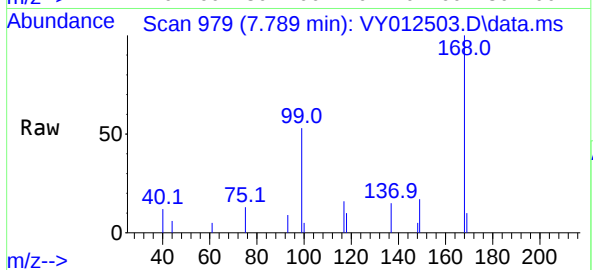
Acq: 06 Feb 2023 18:19

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	192
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 3.288 ug/l

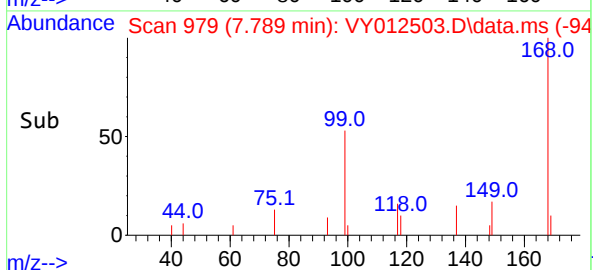
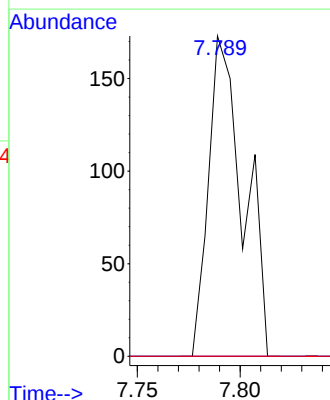
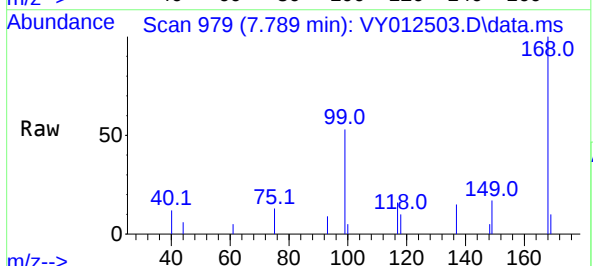
RT: 7.789 min Scan# 979

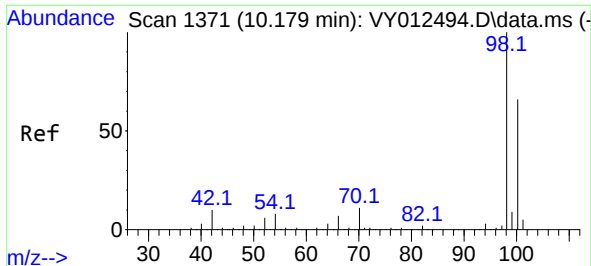
Delta R.T. -0.110 min

Lab File: VY012503.D

Acq: 06 Feb 2023 18:19

Tgt Ion:	117	Resp:	203
Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.8	110.8#
121	0.0	25.2	37.8#

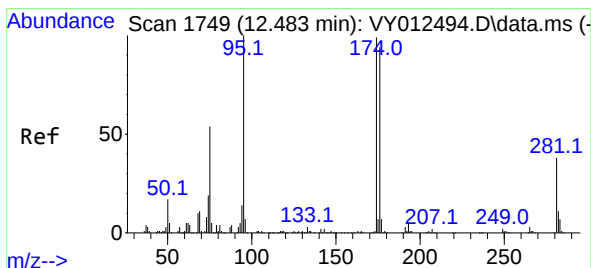
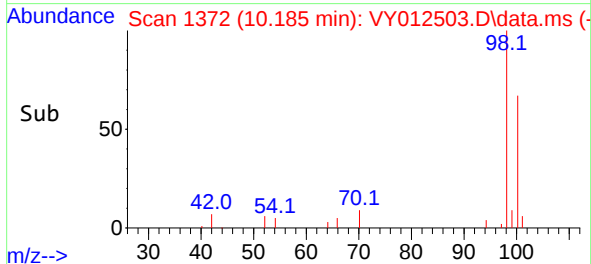
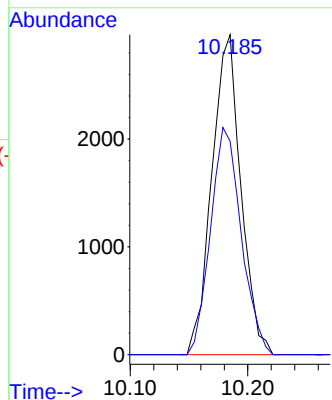
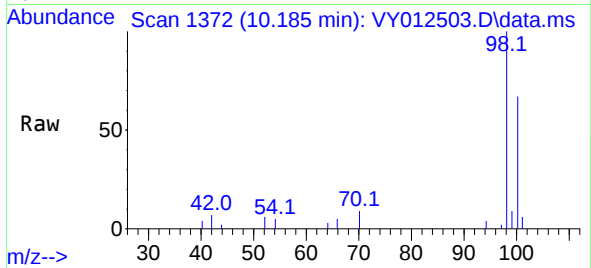




#50
Toluene-d8
Concen: 36.177 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

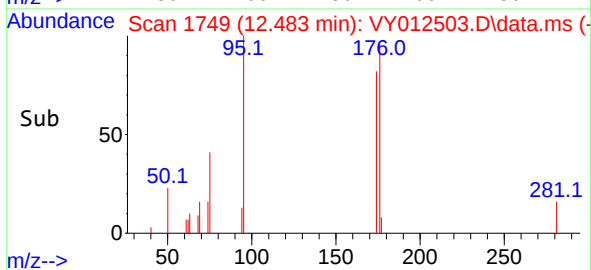
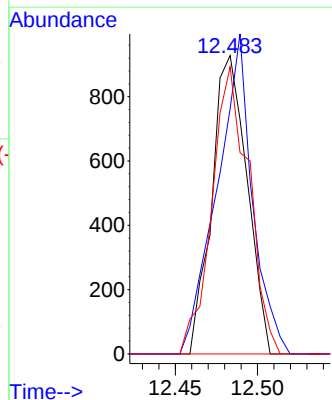
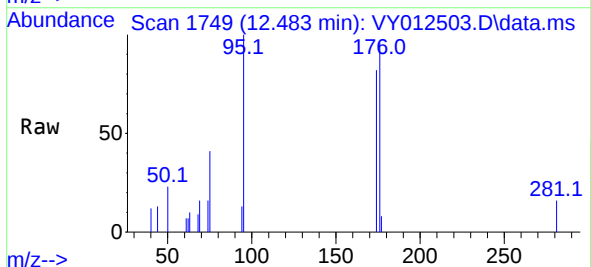
Instrument :
MSVOA_Y
ClientSampleId :

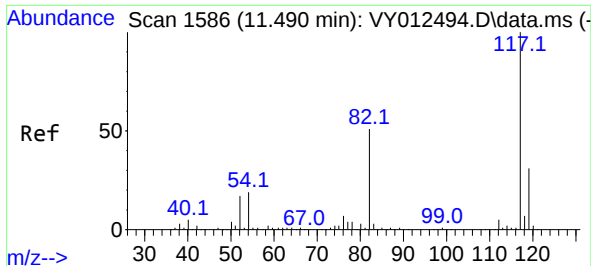
Tgt Ion: 98 Resp: 5103
Ion Ratio Lower Upper
98 100
100 75.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 29.131 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

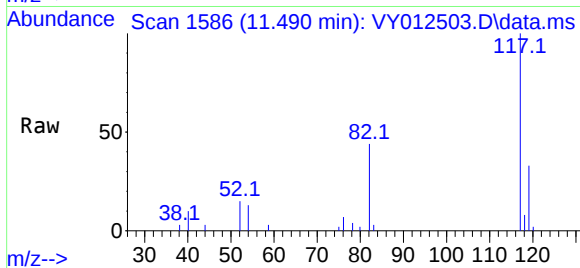
Tgt Ion: 95 Resp: 1381
Ion Ratio Lower Upper
95 100
174 107.5 0.0 172.0
176 100.7 0.0 167.6



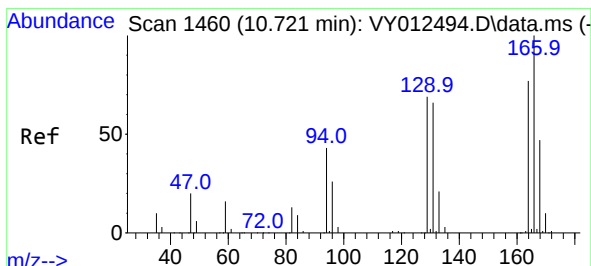
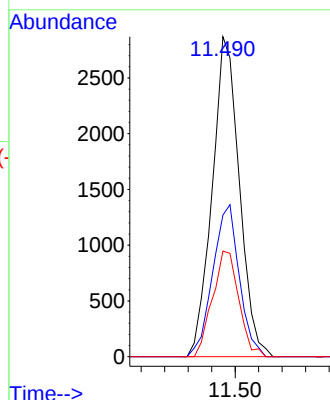
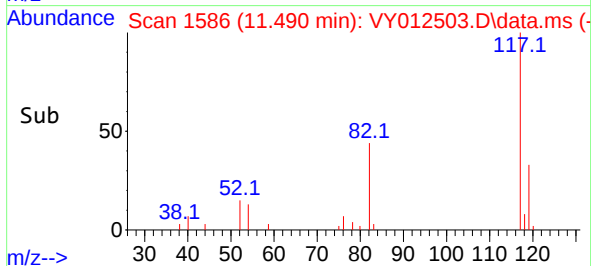


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

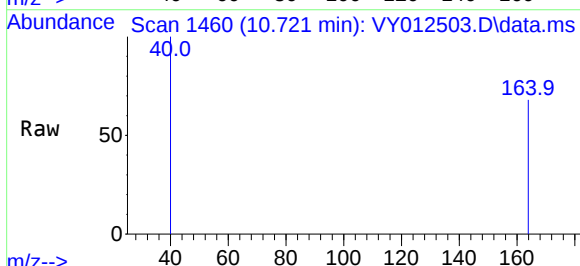
Instrument :
MSVOA_Y
ClientSampleId :



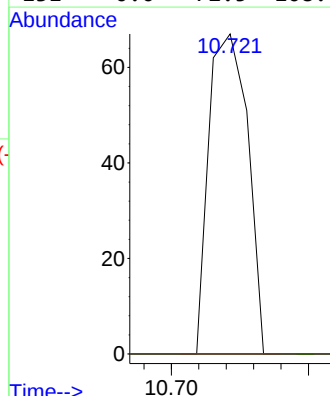
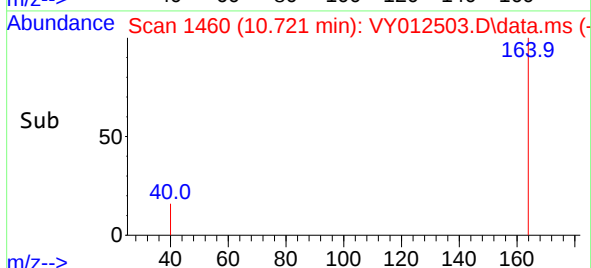
Tgt Ion:117 Resp: 4604
Ion Ratio Lower Upper
117 100
82 44.3 44.8 67.2#
119 33.0 25.4 38.2

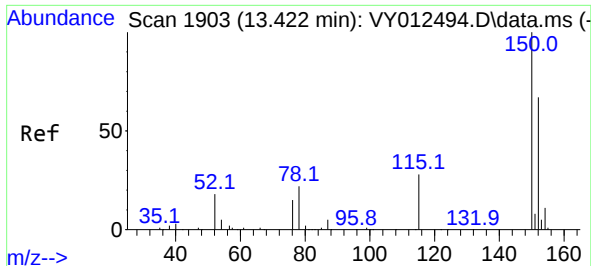


#64
Tetrachloroethene
Concen: 1.379 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19



Tgt Ion:164 Resp: 66
Ion Ratio Lower Upper
164 100
166 0.0 102.3 153.5#
129 0.0 77.2 115.8#
131 0.0 72.5 108.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY012503.D

Acq: 06 Feb 2023 18:19

Instrument :

MSVOA_Y

ClientSampleId :

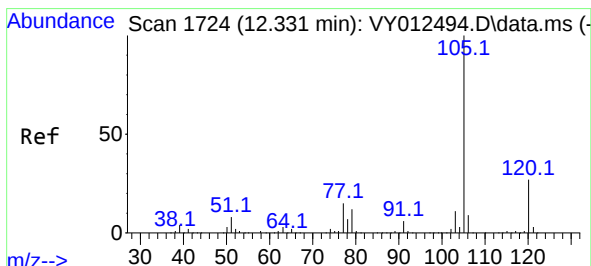
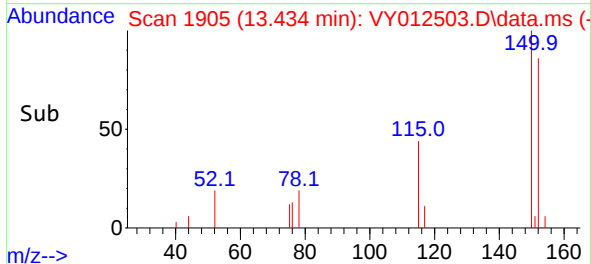
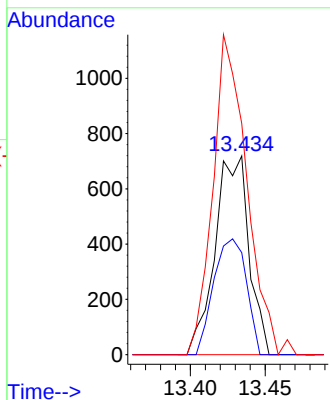
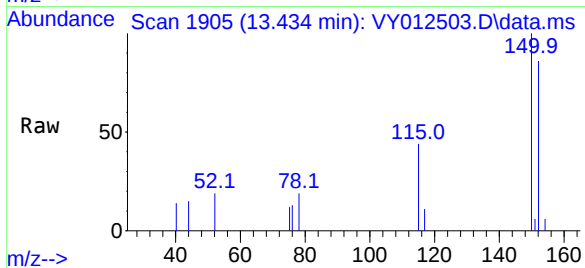
Tgt Ion:152 Resp: 1134

Ion Ratio Lower Upper

152 100

115 56.1 29.1 87.3

150 161.0 0.0 342.6



#73

Isopropylbenzene

Concen: 1.592 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.006 min

Lab File: VY012503.D

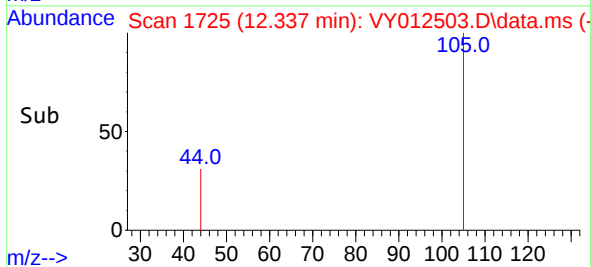
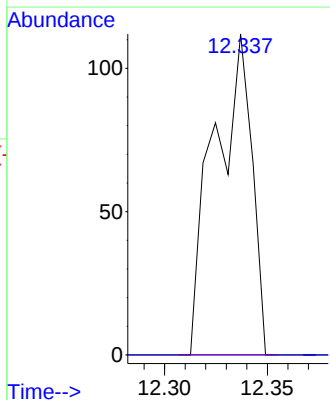
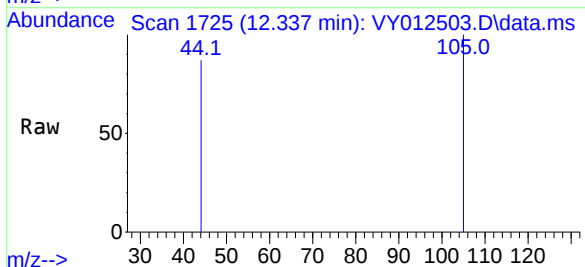
Acq: 06 Feb 2023 18:19

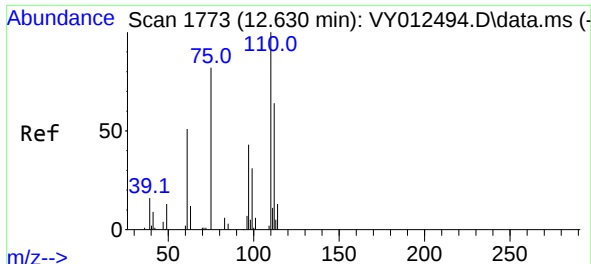
Tgt Ion:105 Resp: 143

Ion Ratio Lower Upper

105 100

120 0.0 13.2 39.6#

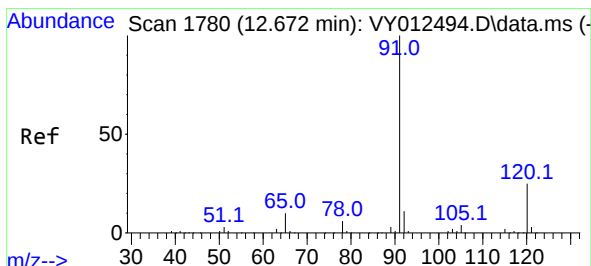
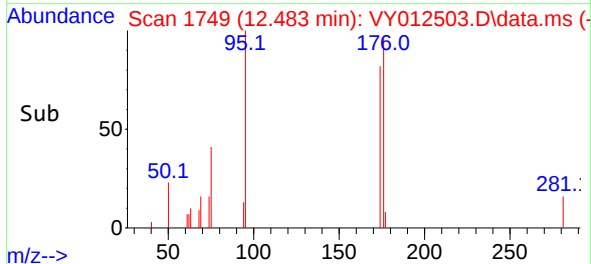
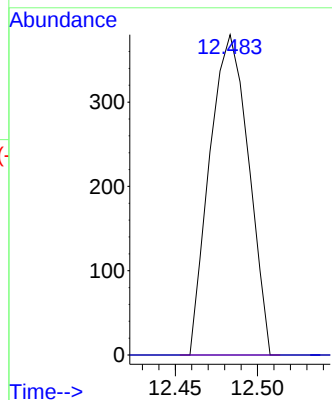
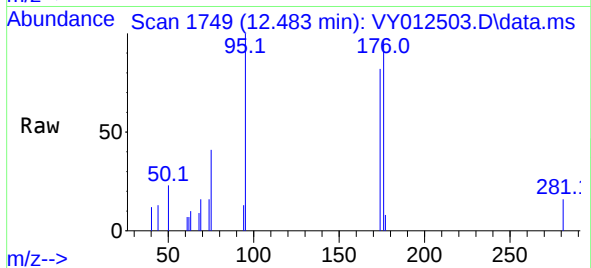




#76
1,2,3-Trichloropropane
Concen: 49.447 ug/l
RT: 12.483 min Scan# 1773
Delta R.T. -0.147 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

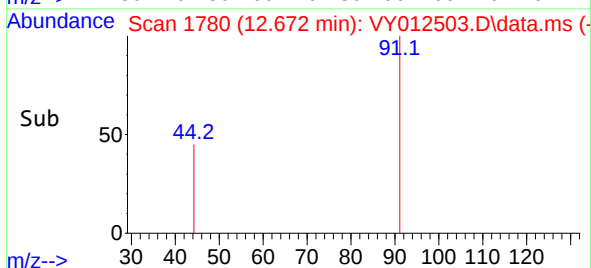
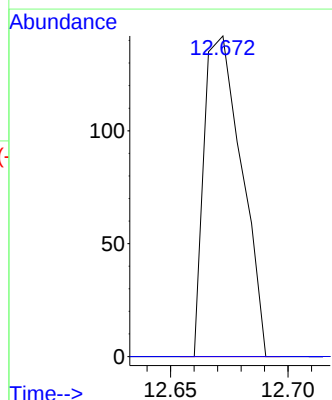
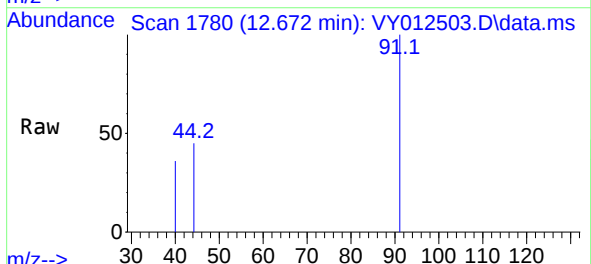
Instrument :
MSVOA_Y
ClientSampleId :

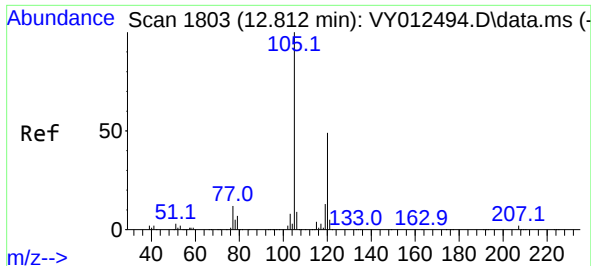
Tgt Ion: 75 Resp: 626
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.513 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

Tgt Ion: 91 Resp: 158
Ion Ratio Lower Upper
91 100
120 0.0 11.8 35.4#

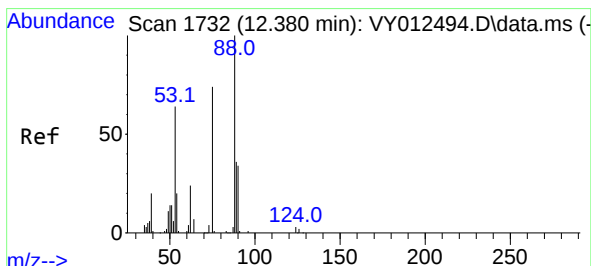
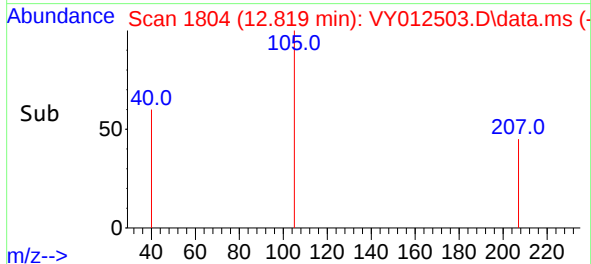
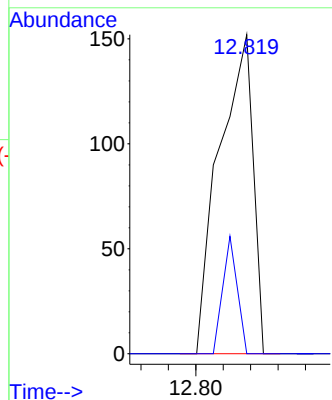
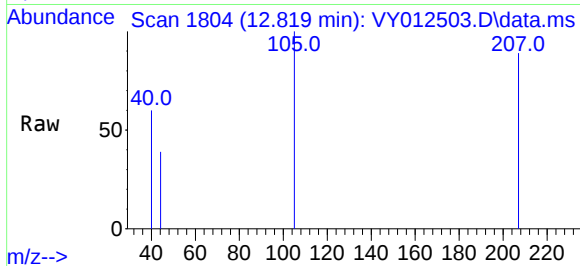




#80
1,3,5-Trimethylbenzene
Concen: 1.680 ug/l
RT: 12.819 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

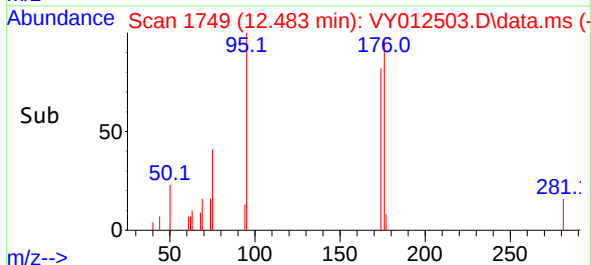
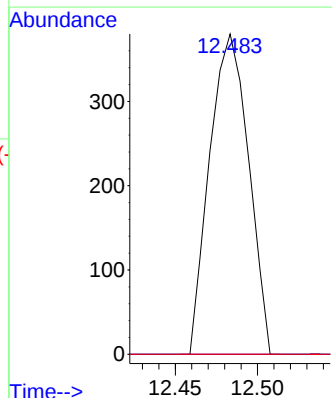
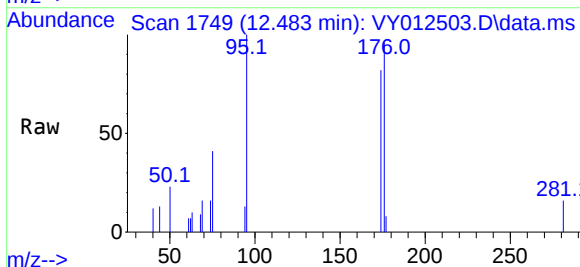
Instrument :
MSVOA_Y
ClientSampleId :

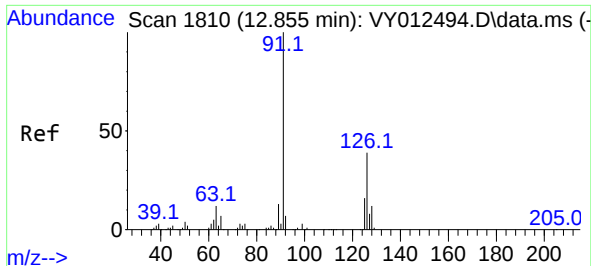
Tgt Ion:105 Resp: 130
Ion Ratio Lower Upper
105 100
120 15.4 24.2 72.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.460 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

Tgt Ion: 75 Resp: 626
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

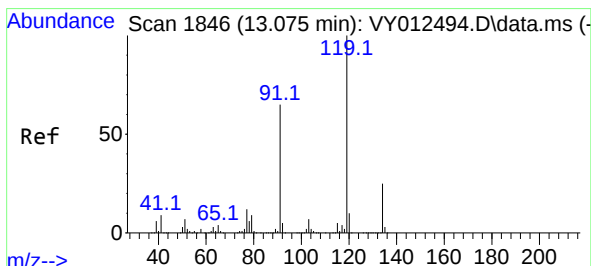
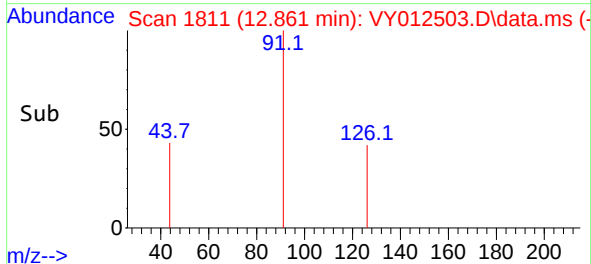
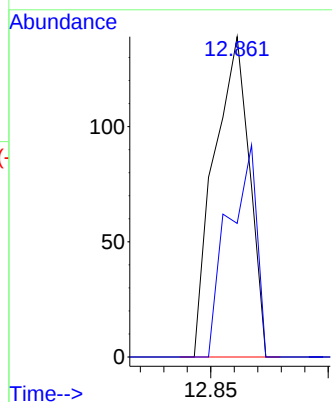
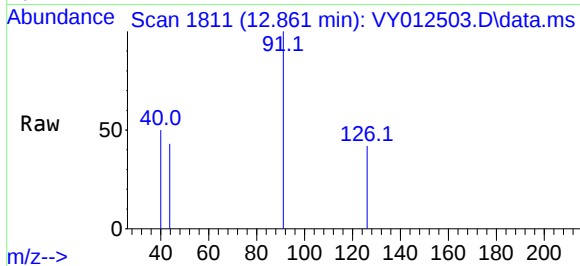




#82
4-Chlorotoluene
Concen: 2.321 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

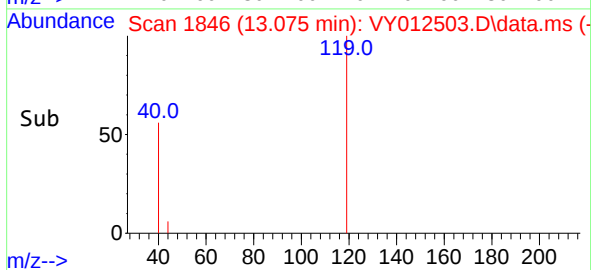
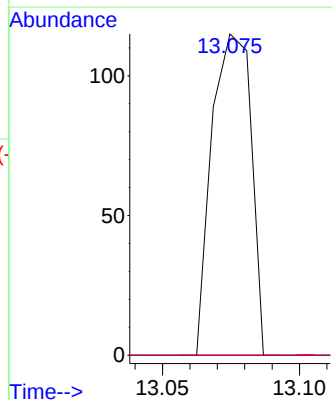
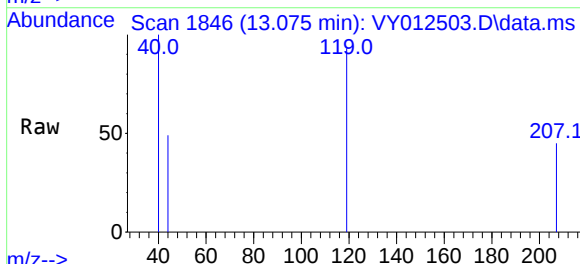
Instrument :
MSVOA_Y
ClientSampleId :

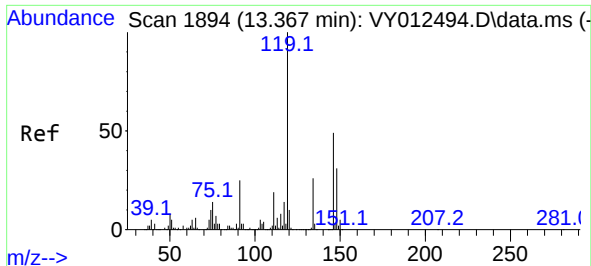
Tgt Ion: 91 Resp: 145
Ion Ratio Lower Upper
91 100
126 53.8 17.1 51.2#



#83
tert-Butylbenzene
Concen: 1.695 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

Tgt Ion: 119 Resp: 115
Ion Ratio Lower Upper
119 100
91 0.0 32.3 96.8#
134 0.0 13.0 39.0#

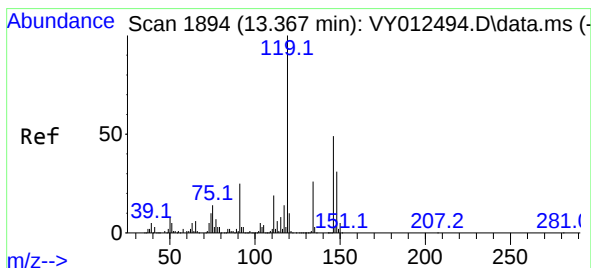
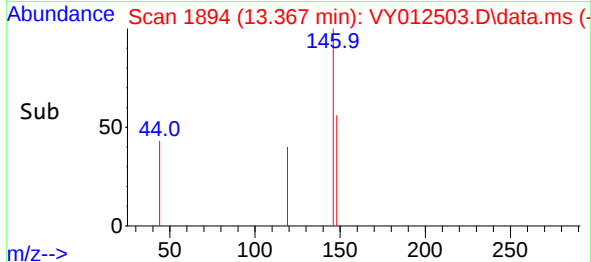
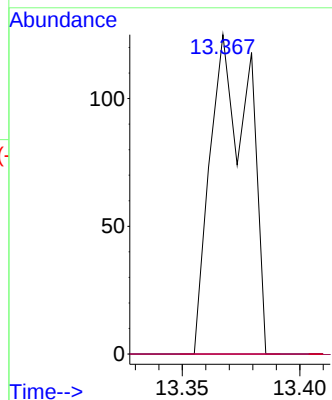
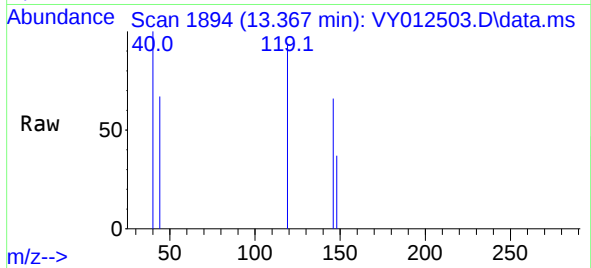




#86
p-Isopropyltoluene
Concen: 1.675 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

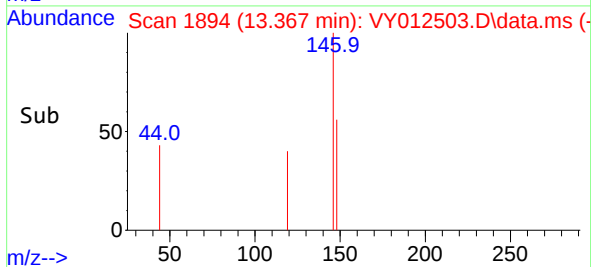
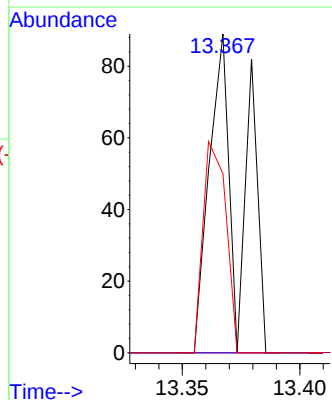
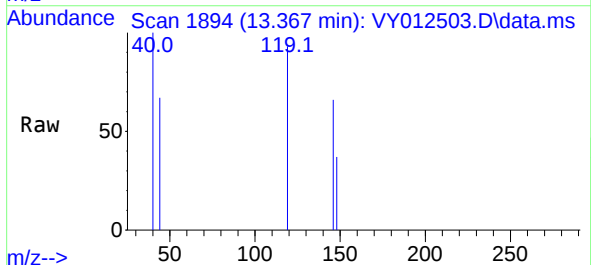
Instrument :
MSVOA_Y
ClientSampleId :

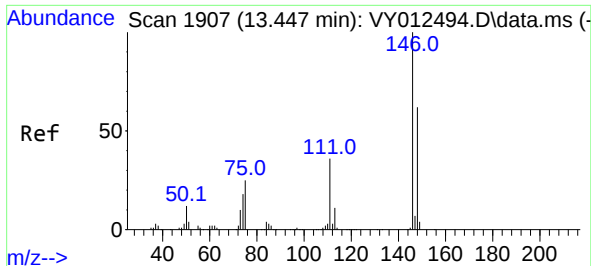
Tgt Ion:119 Resp: 143
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.9 35.9#



#87
1,3-Dichlorobenzene
Concen: 1.847 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

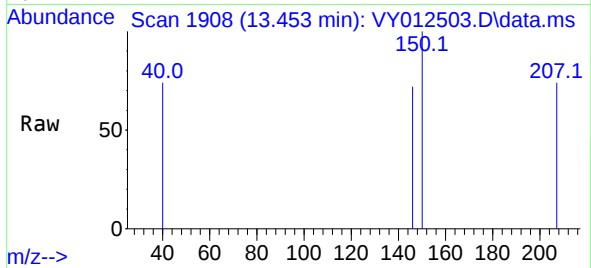
Tgt Ion:146 Resp: 81
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.0#
148 49.4 32.0 96.0



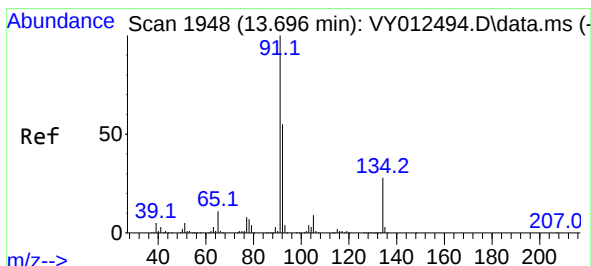
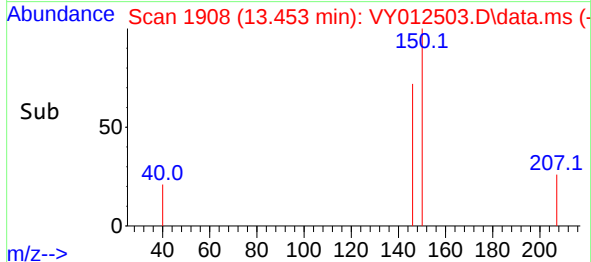
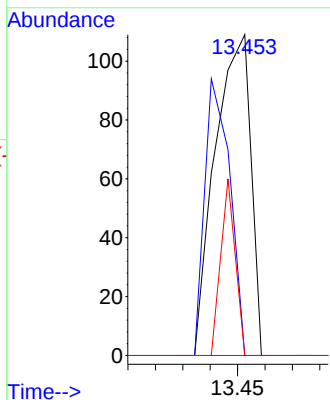


#88
1,4-Dichlorobenzene
Concen: 2.238 ug/l
RT: 13.453 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

Instrument :
MSVOA_Y
ClientSampleId :

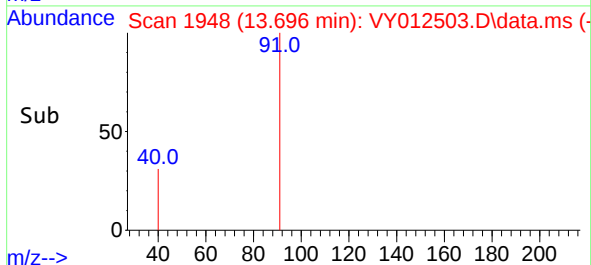
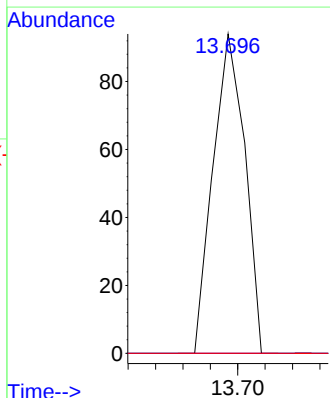
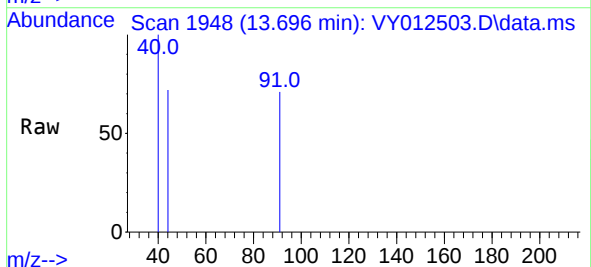


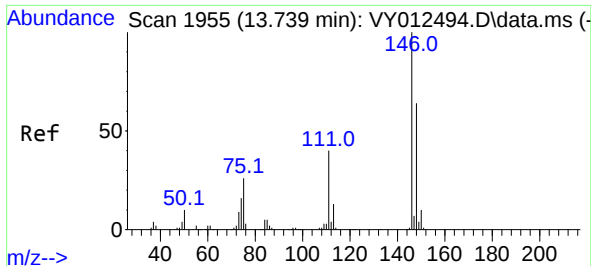
Tgt Ion:146 Resp: 98
Ion Ratio Lower Upper
146 100
111 61.2 19.6 58.7#
148 22.4 31.9 95.7#



#89
n-Butylbenzene
Concen: 1.037 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.001 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

Tgt Ion: 91 Resp: 76
Ion Ratio Lower Upper
91 100
92 0.0 26.8 80.4#
134 0.0 13.3 39.8#





#91

1,2-Dichlorobenzene

Concen: 2.037 ug/l

RT: 13.745 min Scan# 1955

Delta R.T. 0.006 min

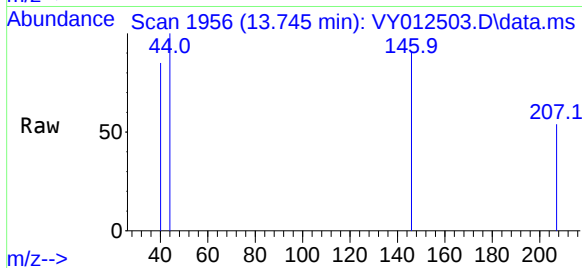
Lab File: VY012503.D

Acq: 06 Feb 2023 18:19

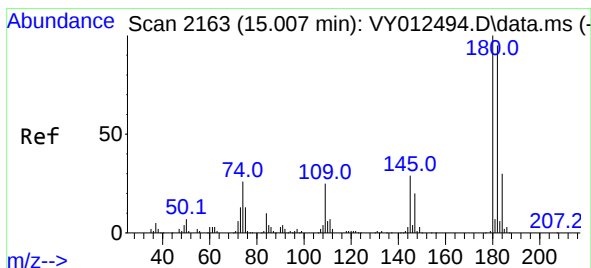
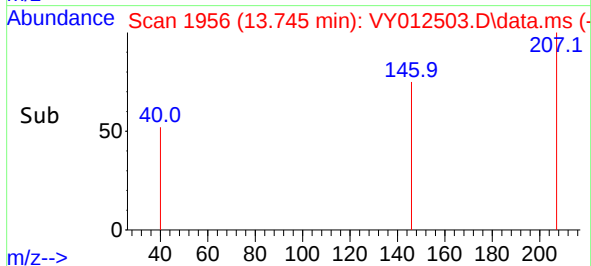
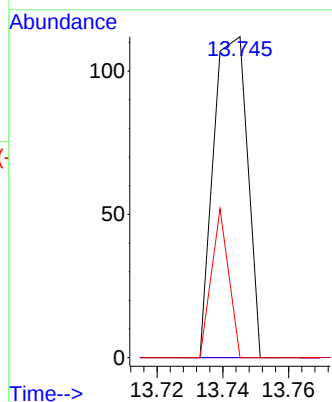
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:146	Resp:	80
Ion	Ratio	Lower Upper
146	100	
111	0.0	20.3 60.8#
148	23.8	31.8 95.4#



#93

1,2,4-Trichlorobenzene

Concen: 1.151 ug/l

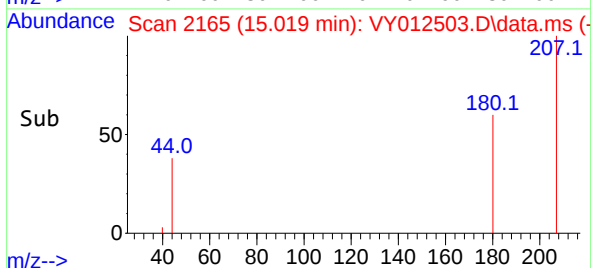
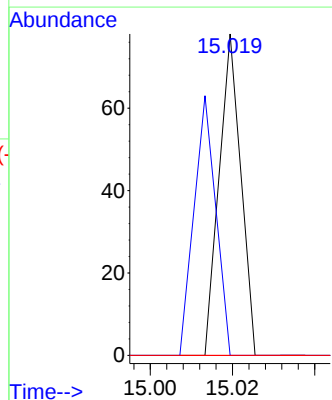
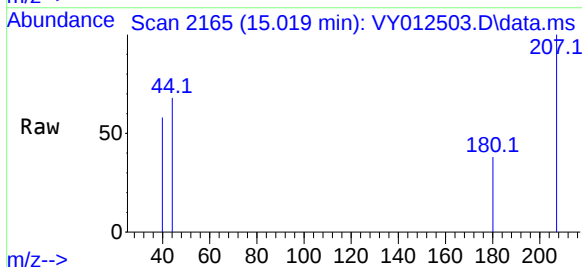
RT: 15.019 min Scan# 2165

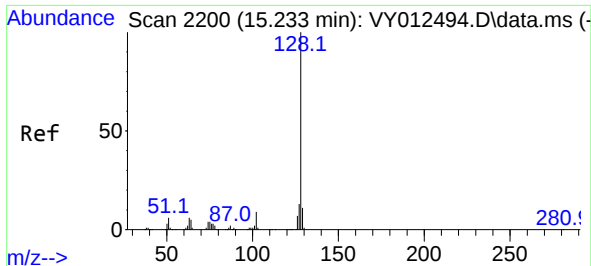
Delta R.T. 0.012 min

Lab File: VY012503.D

Acq: 06 Feb 2023 18:19

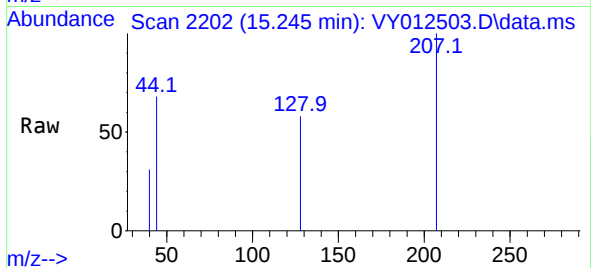
Tgt Ion:180	Resp:	29
Ion	Ratio	Lower Upper
180	100	
182	79.3	48.1 144.3
145	0.0	15.4 46.4#



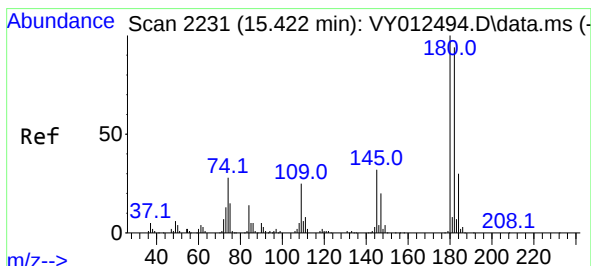
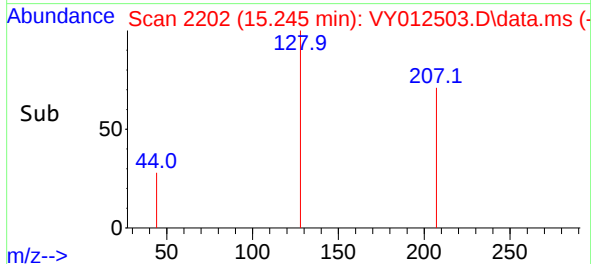
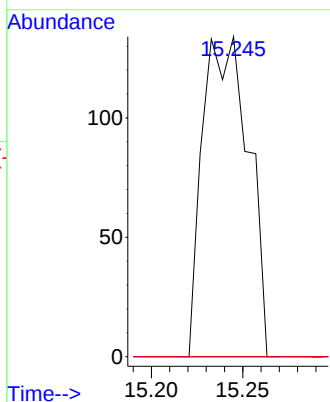


#95
Naphthalene
Concen: 4.619 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 234
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 3.043 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY012503.D
Acq: 06 Feb 2023 18:19

Tgt Ion:180 Resp: 67
Ion Ratio Lower Upper
180 100
182 28.4 47.9 143.7#
145 0.0 16.1 48.2#

