

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120222\
 Data File : VY011678.D
 Acq On : 02 Dec 2022 13:14
 Operator : KP/MD
 Sample : N5823-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 02 23:51:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

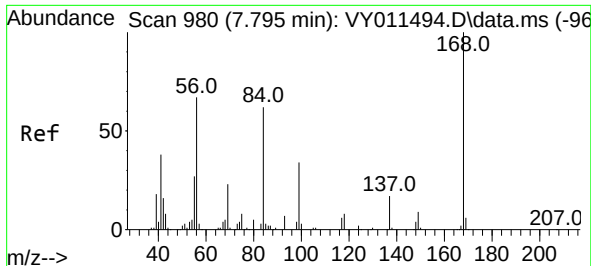
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	5993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	10433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	11501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5534	90.941	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 181.880%#	
35) Dibromofluoromethane	7.722	113	2728	42.476	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 84.960%	
50) Toluene-d8	10.179	98	12606	54.013	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.020%	
62) 4-Bromofluorobenzene	12.483	95	4189	48.545	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	316	1.944	ug/l #	72
5) Bromomethane	2.668	94	454	7.063	ug/l	93
10) Methyl Iodide	4.101	142	1503	22.438	ug/l #	85
16) Acetone	3.948	43	43	2.175	ug/l #	47
25) 2-Butanone	6.942	43	40	1.540	ug/l #	54
31) Cyclohexane	7.771	56	127	1.259	ug/l #	17
36) 1,1-Dichloropropene	7.795	75	462	4.602	ug/l #	42
38) Carbon Tetrachloride	7.783	117	541	4.817	ug/l #	11
65) Chlorobenzene	11.514	112	250	1.038	ug/l	95
68) m/p-Xylenes	11.691	106	228	1.377	ug/l	95
76) 1,2,3-Trichloropropane	12.483	75	2176	51.743	ug/l #	100
78) n-propylbenzene	12.672	91	424	1.231	ug/l #	73
79) 2-Chlorotoluene	12.752	91	289	1.488	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.483	75	2176	113.334	ug/l #	7
82) 4-Chlorotoluene	12.843	91	364	1.793	ug/l #	41
83) tert-Butylbenzene	13.069	119	301	1.452	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.130	105	340	1.446	ug/l	88
85) sec-Butylbenzene	13.258	105	321	1.038	ug/l #	68
86) p-Isopropyltoluene	13.373	119	292	1.131	ug/l #	68
87) 1,3-Dichlorobenzene	13.453	146	426	3.173	ug/l	85
88) 1,4-Dichlorobenzene	13.453	146	426	3.174	ug/l	84
89) n-Butylbenzene	13.697	91	360	1.517	ug/l #	75
91) 1,2-Dichlorobenzene	13.745	146	250	2.101	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	125	1.894	ug/l #	69
95) Naphthalene	15.239	128	311	6.087	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.434	180	116	2.051	ug/l #	54

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

Quant Time: Dec 02 23:51:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 19 22:37:14 2022
Response via : Initial Calibration

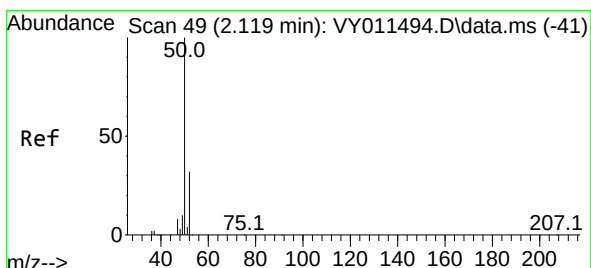
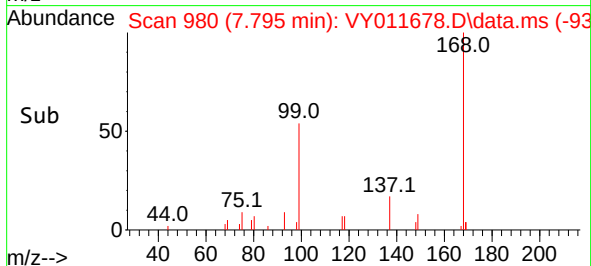
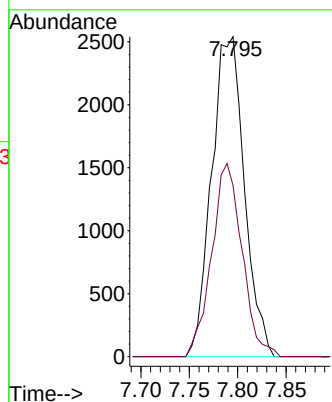
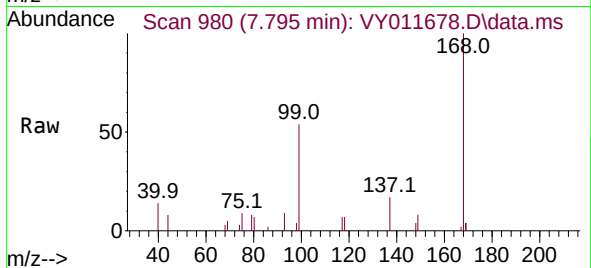




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

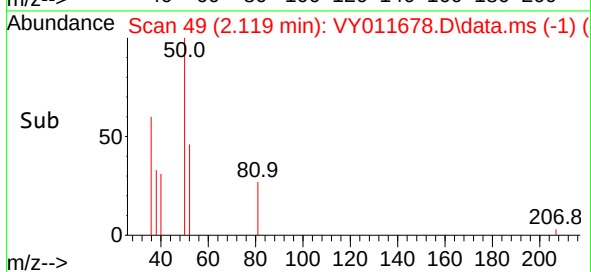
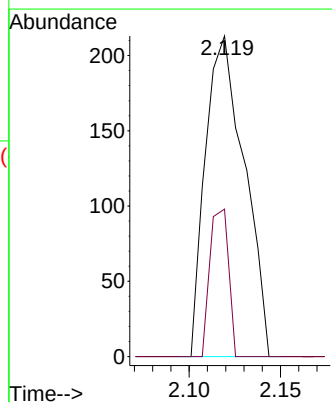
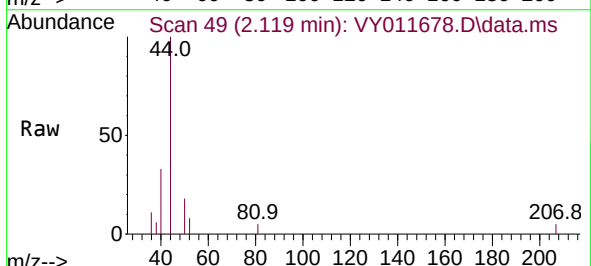
Instrument :
MSVOA_Y
ClientSampleId :

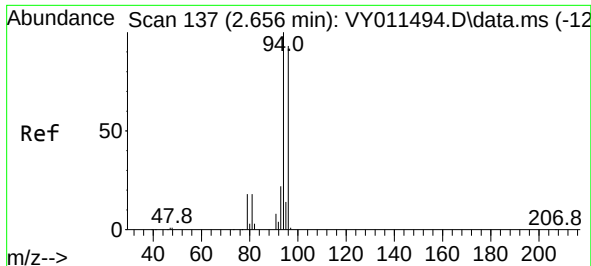
Tgt Ion:168 Resp: 5993
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#3
Chloromethane
Concen: 1.944 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Tgt Ion: 50 Resp: 316
Ion Ratio Lower Upper
50 100
52 46.0 24.6 37.0#

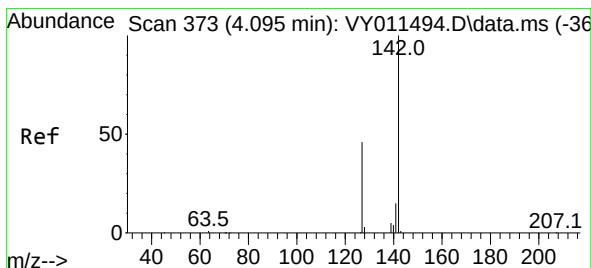
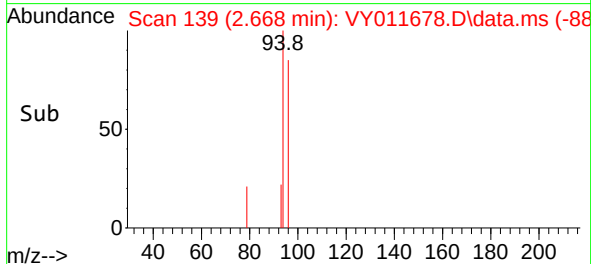
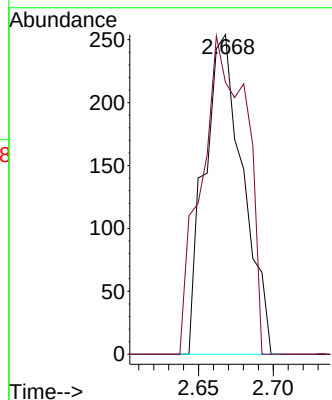
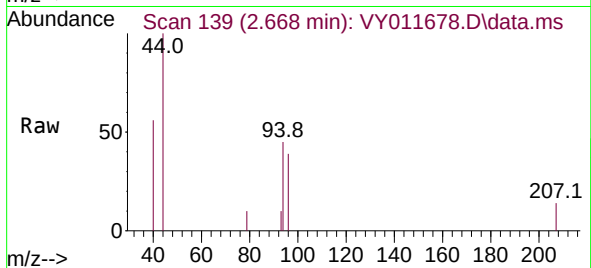




#5
Bromomethane
Concen: 7.063 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

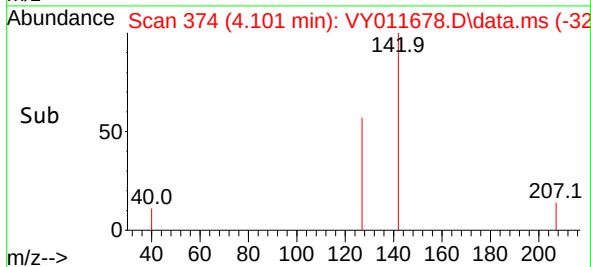
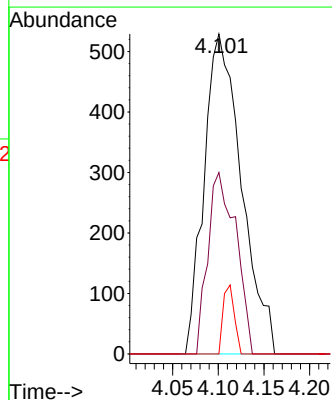
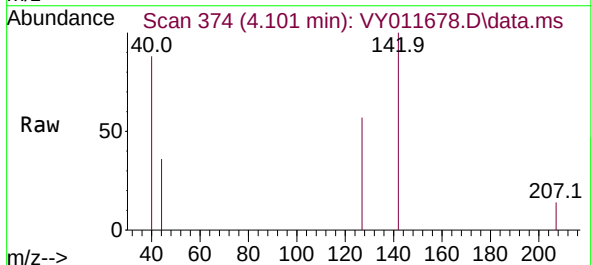
Instrument :
MSVOA_Y
ClientSampleId :

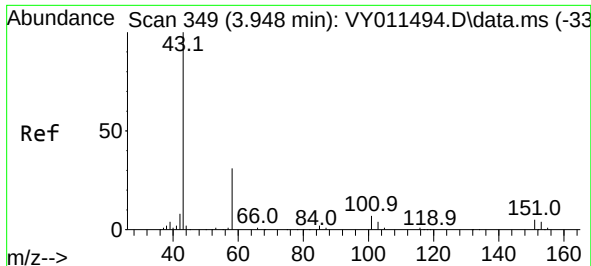
Tgt Ion: 94 Resp: 454
Ion Ratio Lower Upper
94 100
96 85.0 73.5 110.3



#10
Methyl Iodide
Concen: 22.438 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

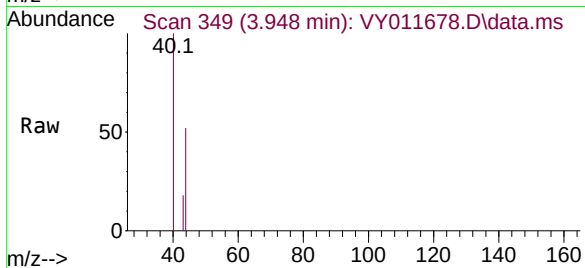
Tgt Ion:142 Resp: 1503
Ion Ratio Lower Upper
142 100
127 42.5 41.5 62.3
141 6.5 11.9 17.9#



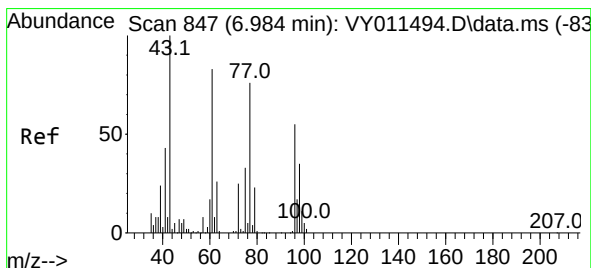
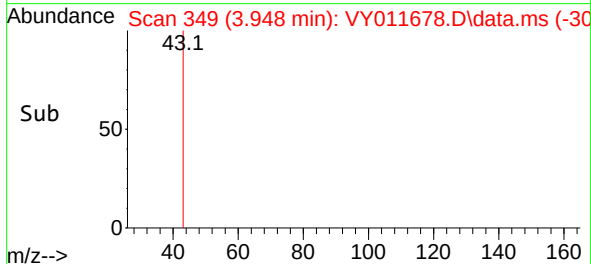
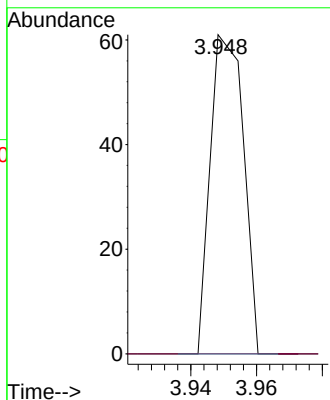


#16
Acetone
Concen: 2.175 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Instrument :
MSVOA_Y
ClientSampleId :

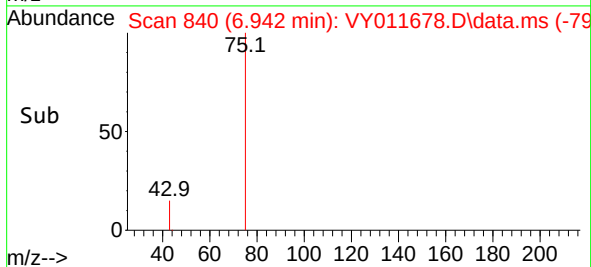
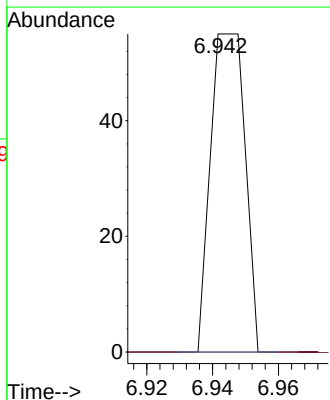
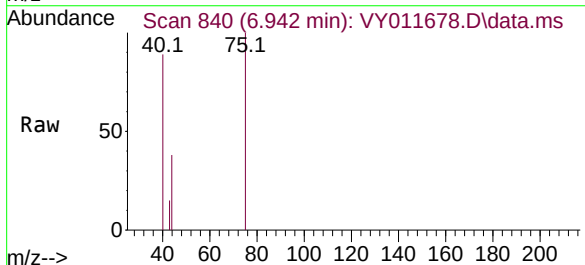


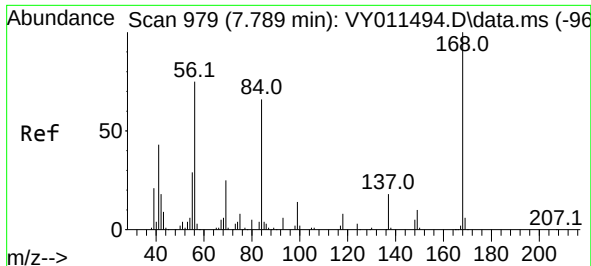
Tgt Ion: 43 Resp: 43
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#25
2-Butanone
Concen: 1.540 ug/l
RT: 6.942 min Scan# 840
Delta R.T. -0.042 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

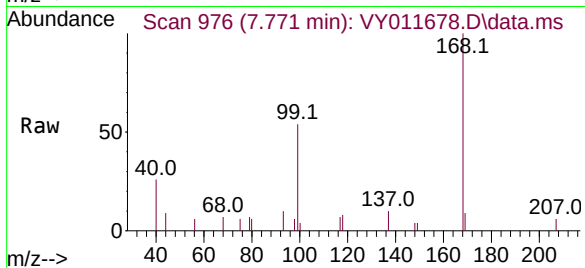
Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



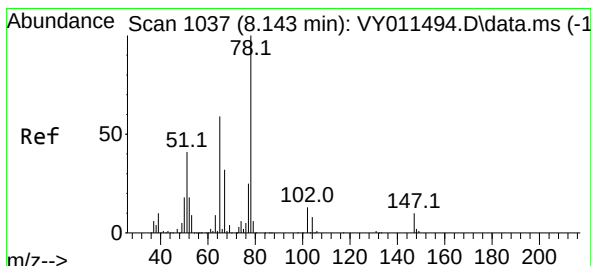
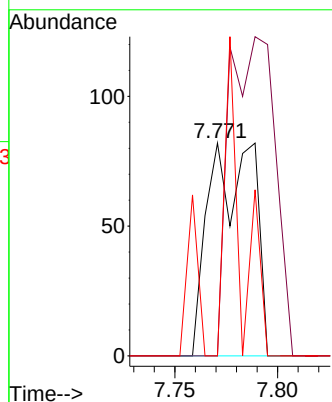
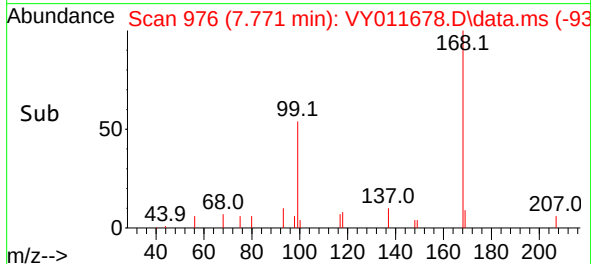


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Instrument :
MSVOA_Y
ClientSampleId :

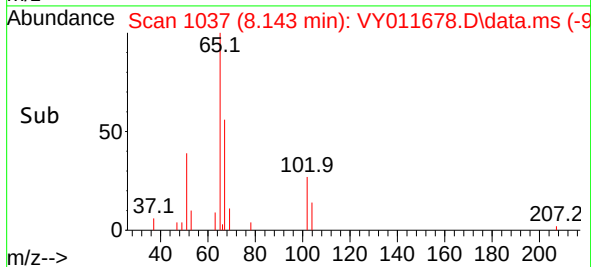
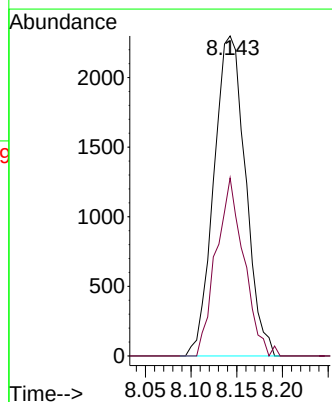
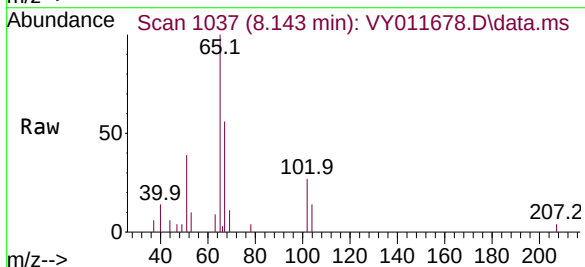


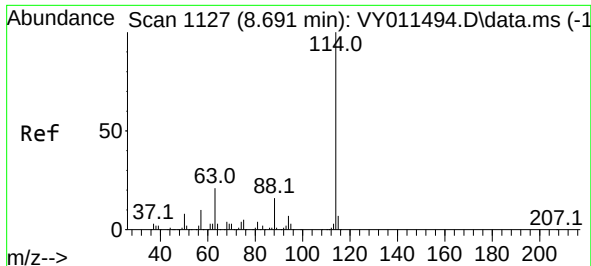
Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
69 0.0 26.7 40.1#
84 0.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 90.941 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

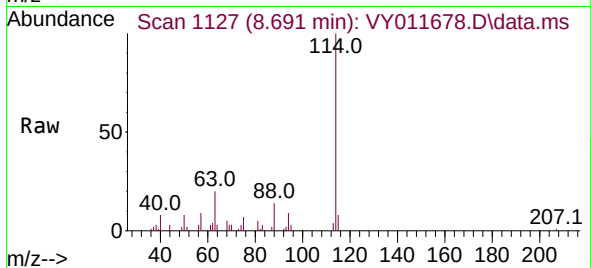
Tgt Ion: 65 Resp: 5534
Ion Ratio Lower Upper
65 100
67 48.8 0.0 99.4



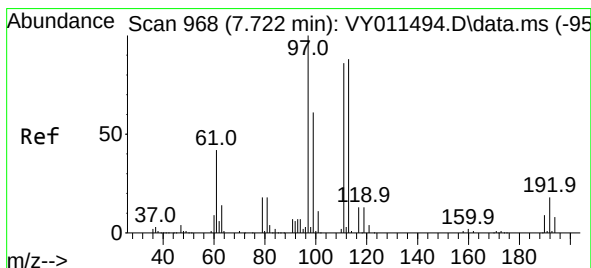
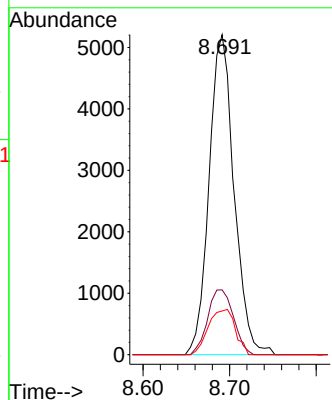
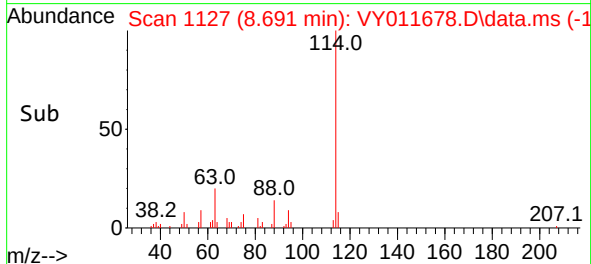


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Instrument :
MSVOA_Y
ClientSampleId :

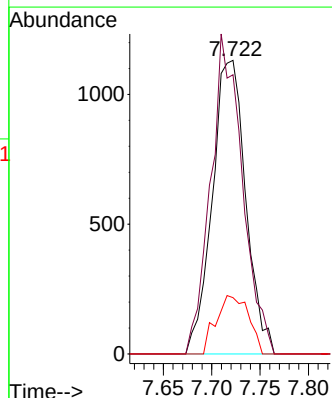
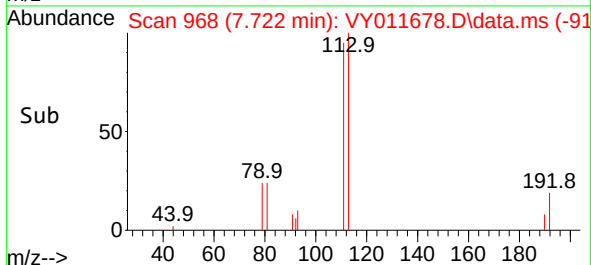
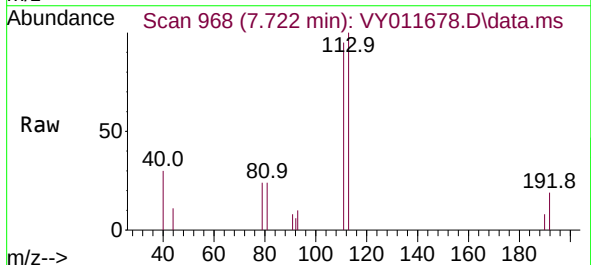


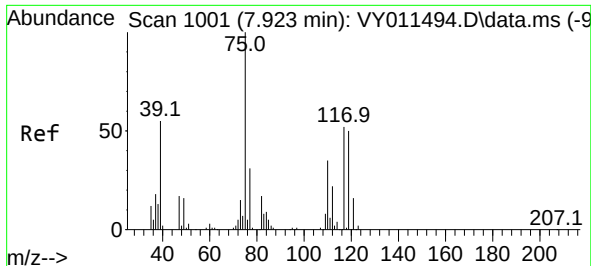
Tgt Ion:	114	Resp:	10433
Ion Ratio	Lower	Upper	
114	100		
63	20.3	0.0	43.2
88	13.7	0.0	31.8



#35
Dibromofluoromethane
Concen: 42.476 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Tgt Ion:	113	Resp:	2728
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.6	124.0
192	19.2	17.6	26.4





#36

1,1-Dichloropropene

Concen: 4.602 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

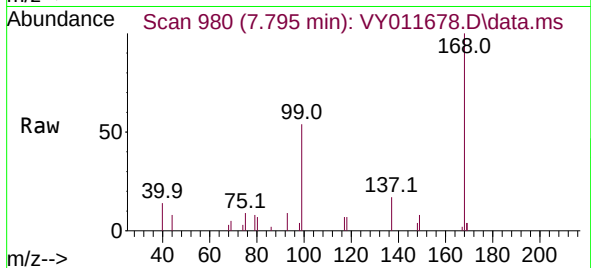
Lab File: VY011678.D

Acq: 02 Dec 2022 13:14

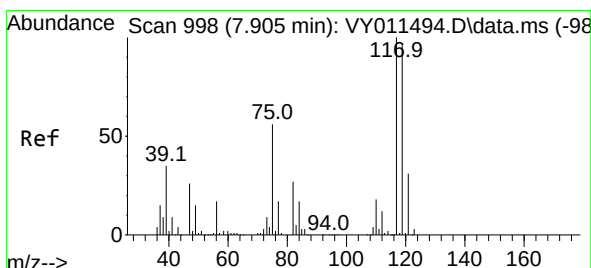
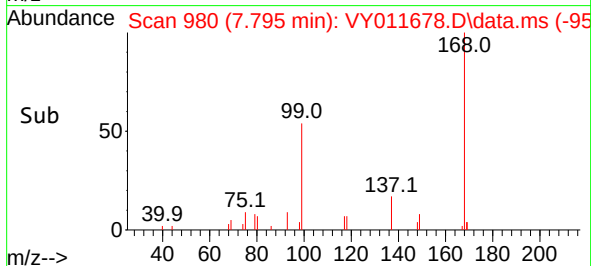
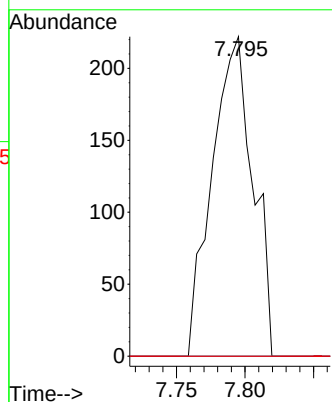
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 462
Ion Ratio	Lower Upper
75	100
110	0.0 17.1 51.2#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.817 ug/l

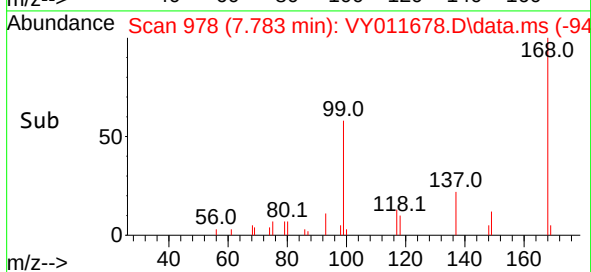
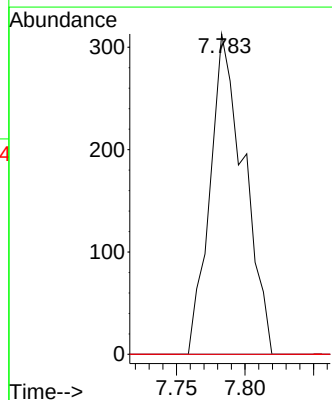
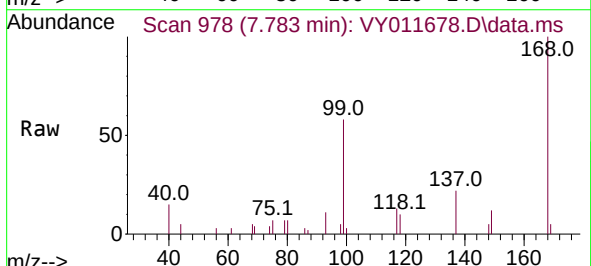
RT: 7.783 min Scan# 978

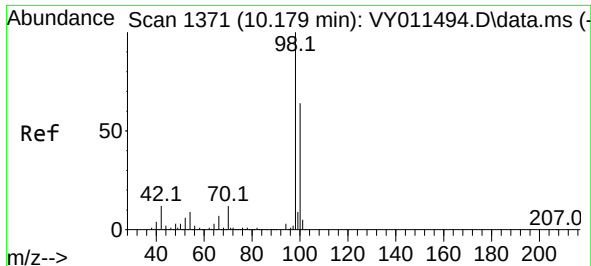
Delta R.T. -0.122 min

Lab File: VY011678.D

Acq: 02 Dec 2022 13:14

Tgt Ion: 117	Resp: 541
Ion Ratio	Lower Upper
117	100
119	0.0 77.9 116.9#
121	0.0 24.8 37.2#

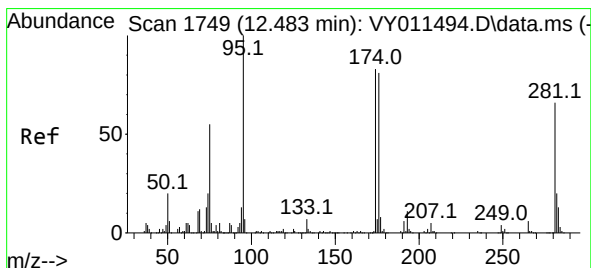
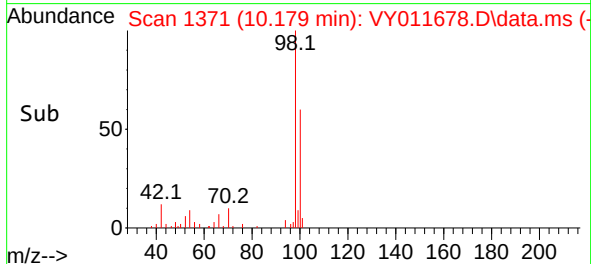
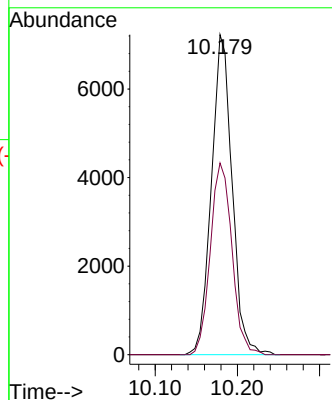
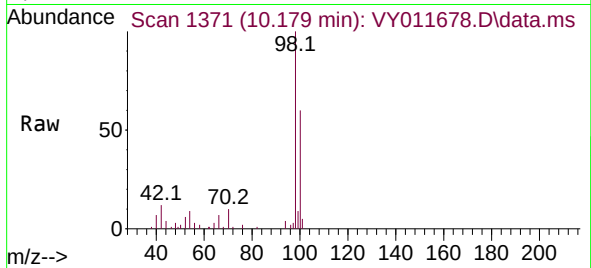




#50
Toluene-d8
Concen: 54.013 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

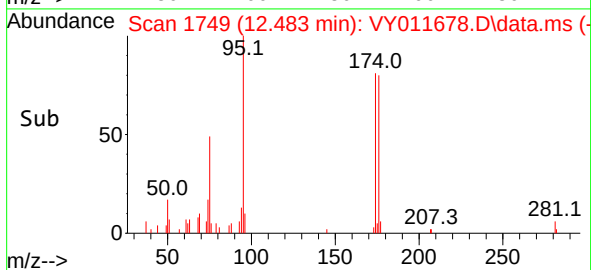
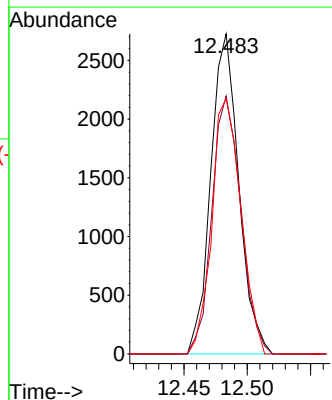
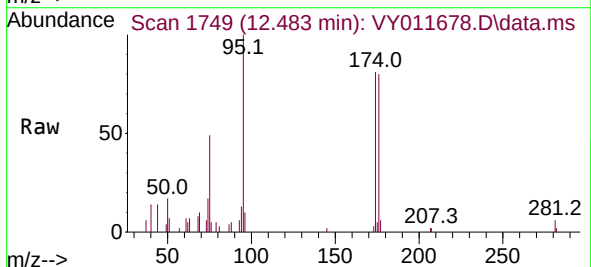
Instrument :
MSVOA_Y
ClientSampleId :

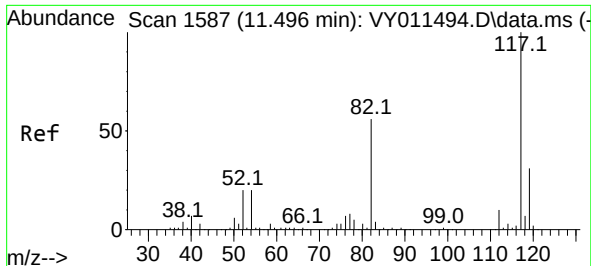
Tgt Ion: 98 Resp: 12606
Ion Ratio Lower Upper
98 100
100 62.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 48.545 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Tgt Ion: 95 Resp: 4189
Ion Ratio Lower Upper
95 100
174 83.3 0.0 177.0
176 82.7 0.0 175.8

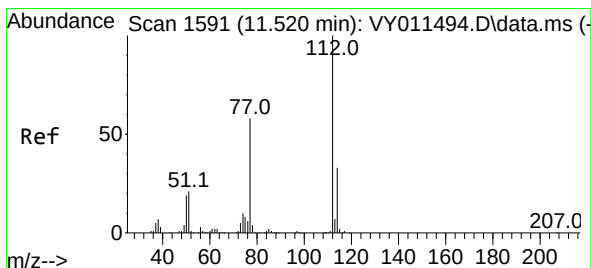
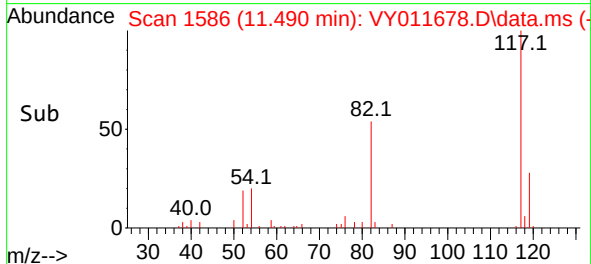
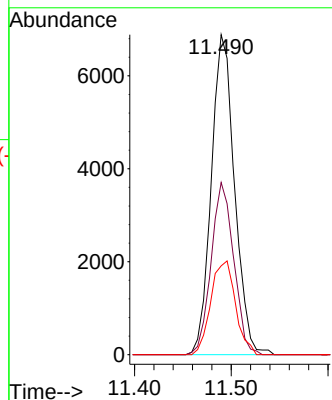
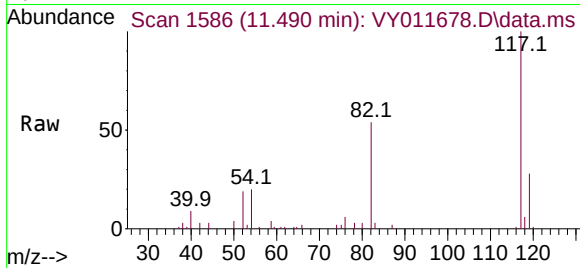




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11501
Delta R.T. -0.006 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

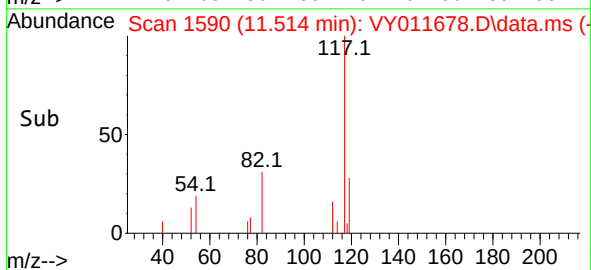
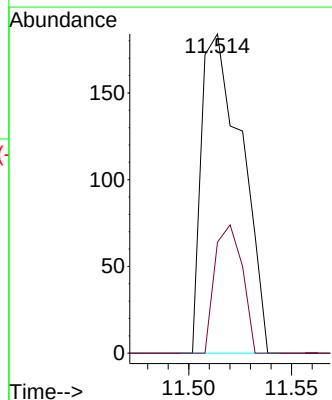
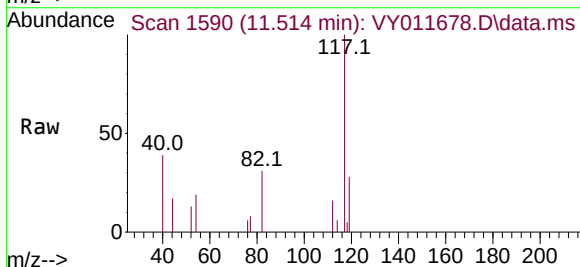
Instrument :
MSVOA_Y
ClientSampleId :

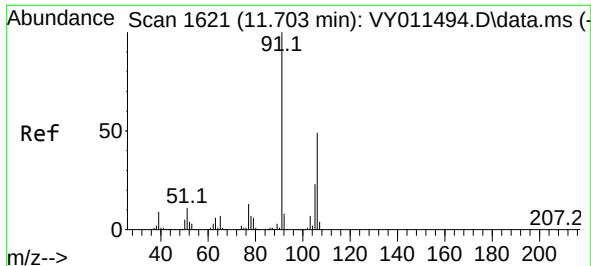
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.0	64.4
119	27.8	25.4	38.0



#65
Chlorobenzene
Concen: 1.038 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.8	25.8	38.6

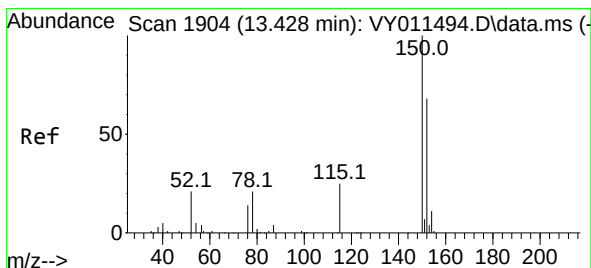
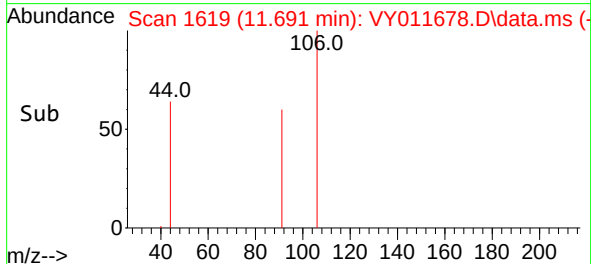
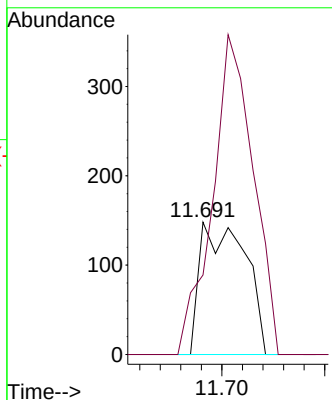
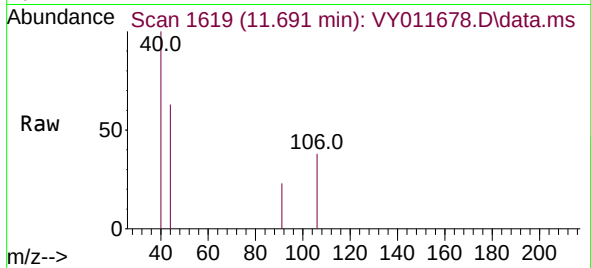




#68
m/p-Xylenes
Concen: 1.377 ug/l
RT: 11.691 min Scan# 1169
Delta R.T. -0.012 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

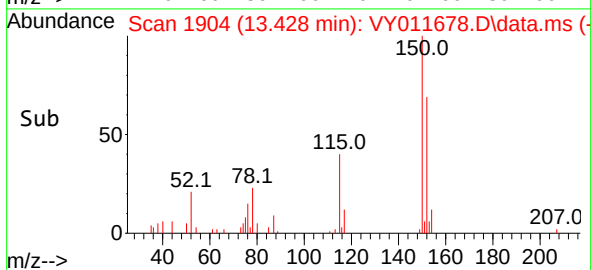
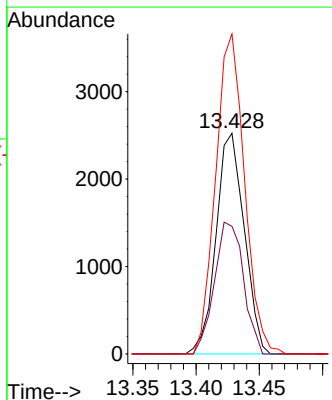
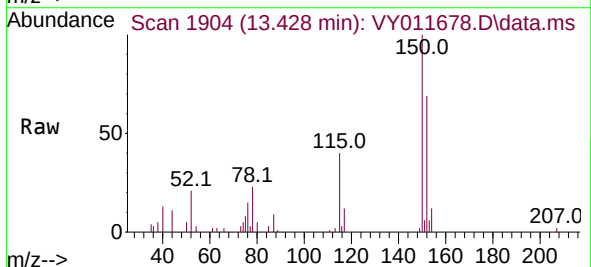
Instrument :
MSVOA_Y
ClientSampleId :

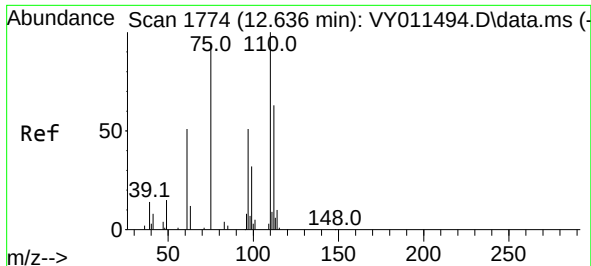
Tgt Ion:106 Resp: 228
Ion Ratio Lower Upper
106 100
91 216.2 166.6 249.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Tgt Ion:152 Resp: 3905
Ion Ratio Lower Upper
152 100
115 61.4 28.2 84.7
150 148.8 0.0 347.6

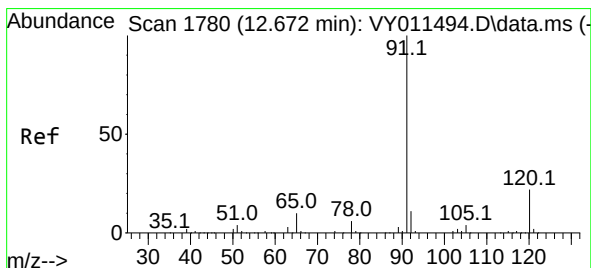
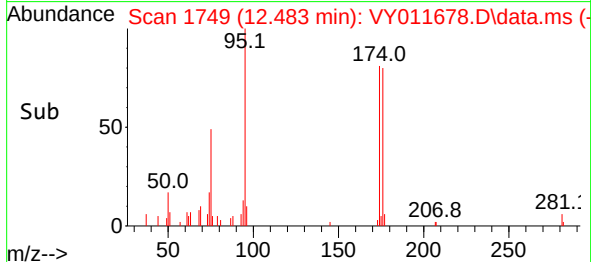
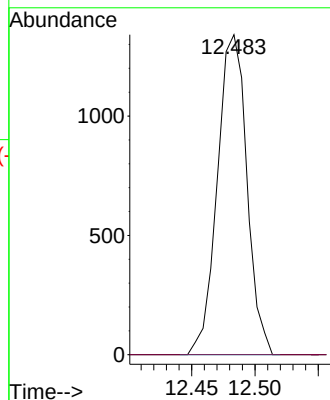
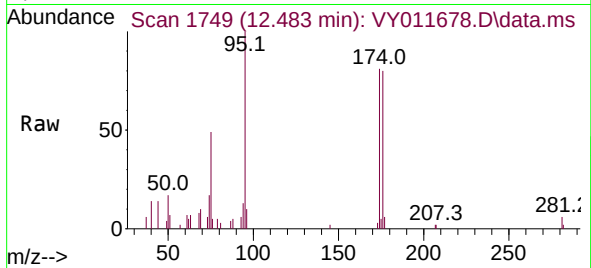




#76
1,2,3-Trichloropropane
Concen: 51.743 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

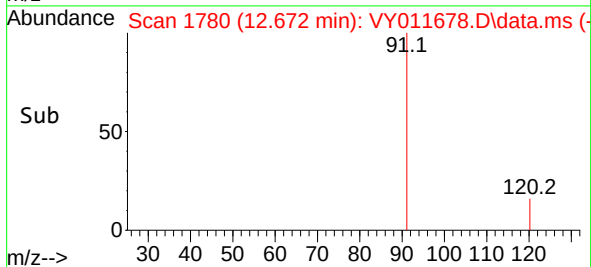
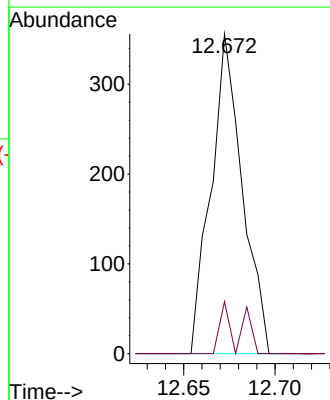
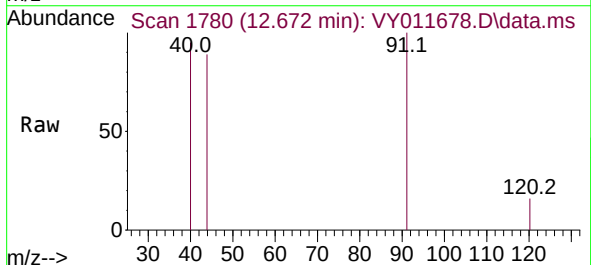
Instrument :
MSVOA_Y
ClientSampleId :

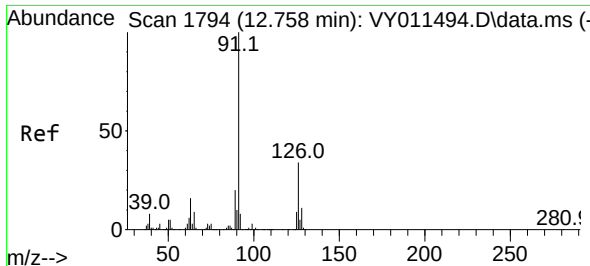
Tgt Ion: 75 Resp: 2176
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.231 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Tgt Ion: 91 Resp: 424
Ion Ratio Lower Upper
91 100
120 9.4 11.3 33.9#

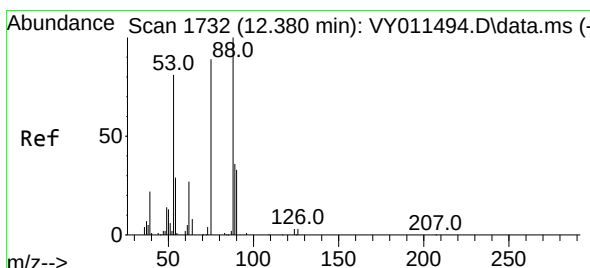
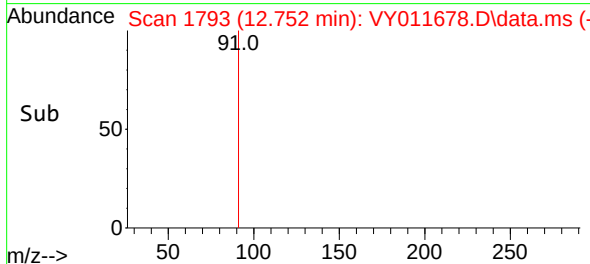
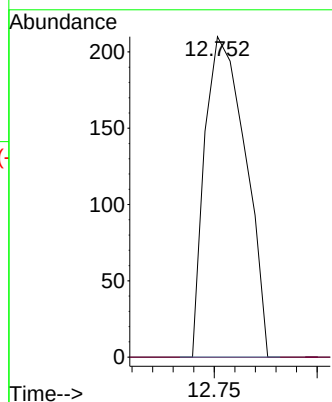
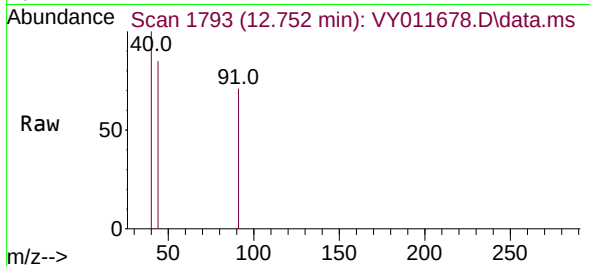




#79
2-Chlorotoluene
Concen: 1.488 ug/l
RT: 12.752 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

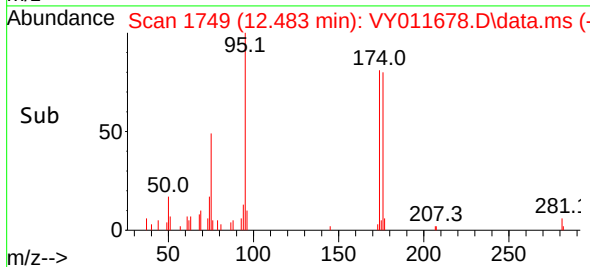
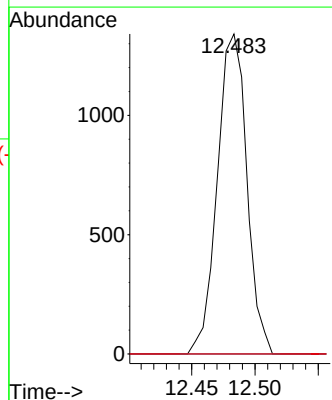
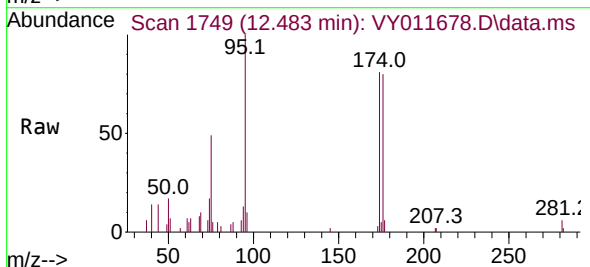
Instrument :
MSVOA_Y
ClientSampleId :

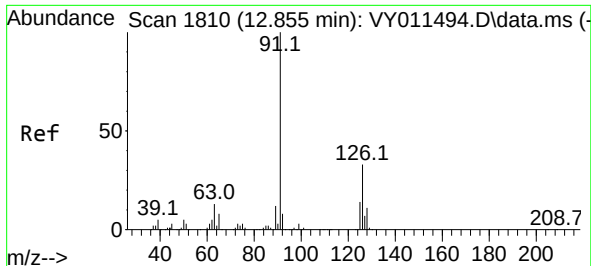
Tgt Ion: 91 Resp: 289
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.334 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Tgt Ion: 75 Resp: 2176
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

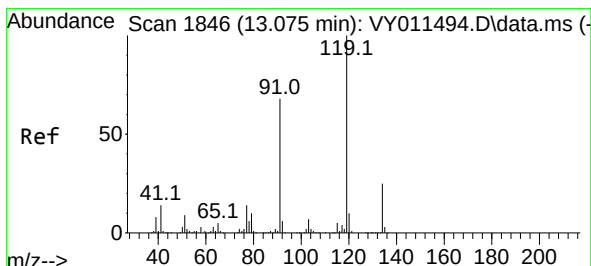
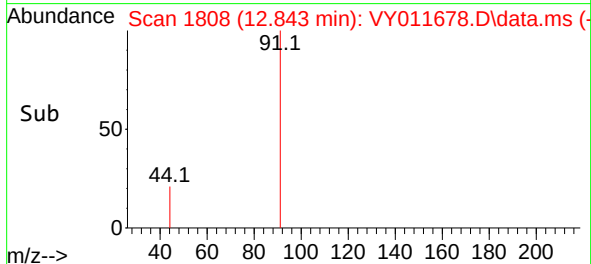
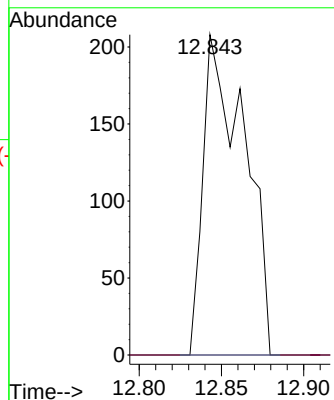
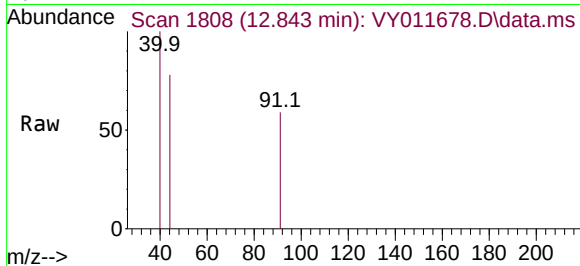




#82
4-Chlorotoluene
Concen: 1.793 ug/l
RT: 12.843 min Scan# 1808
Delta R.T. -0.012 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

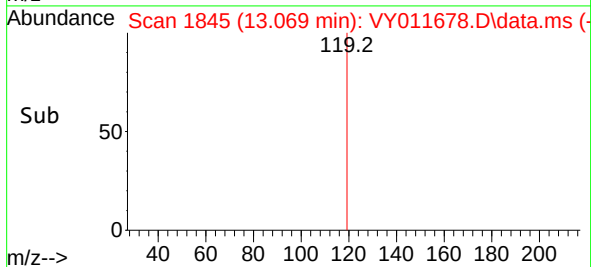
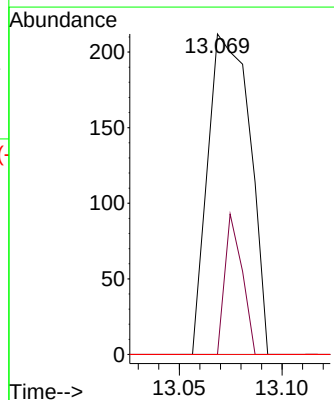
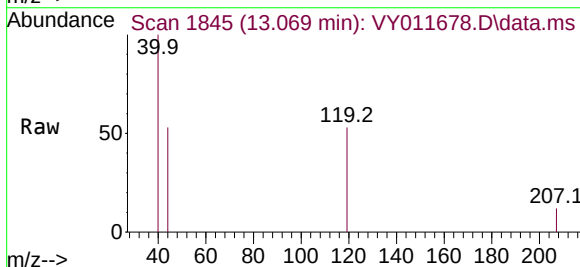
Instrument :
MSVOA_Y
ClientSampleId :

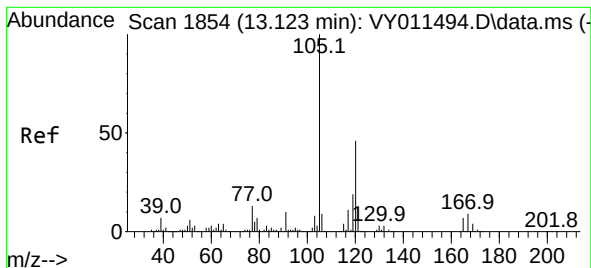
Tgt Ion: 91 Resp: 364
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#83
tert-Butylbenzene
Concen: 1.452 ug/l
RT: 13.069 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Tgt Ion: 119 Resp: 301
Ion Ratio Lower Upper
119 100
91 17.9 34.8 104.4#
134 0.0 13.3 39.9#





#84

1,2,4-Trimethylbenzene

Concen: 1.446 ug/l

RT: 13.130 min Scan# 1855

Delta R.T. 0.007 min

Lab File: VY011678.D

Acq: 02 Dec 2022 13:14

Instrument :

MSVOA_Y

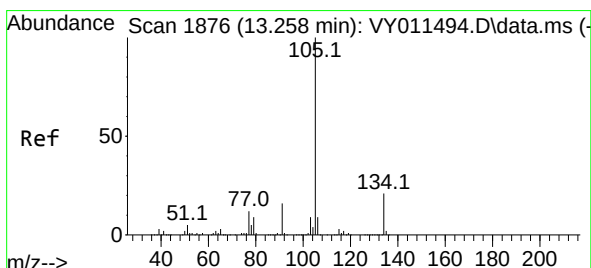
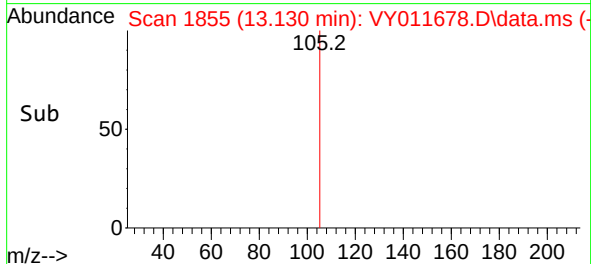
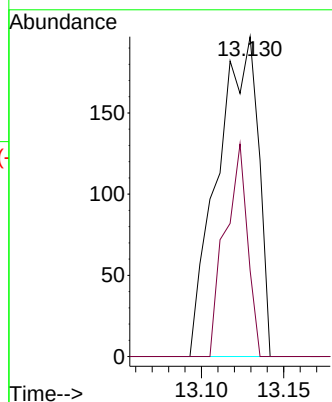
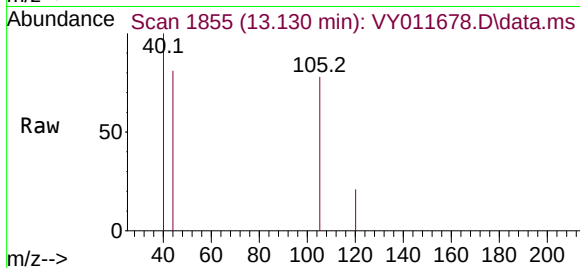
ClientSampleId :

Tgt Ion:105 Resp: 340

Ion Ratio Lower Upper

105 100

120 36.5 22.3 66.9



#85

sec-Butylbenzene

Concen: 1.038 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. -0.000 min

Lab File: VY011678.D

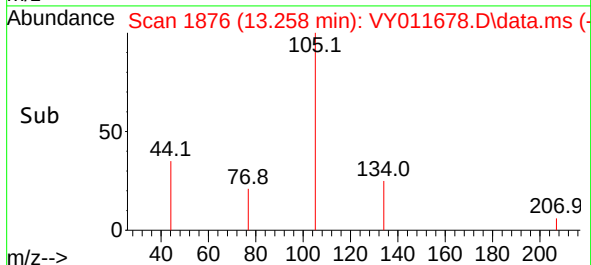
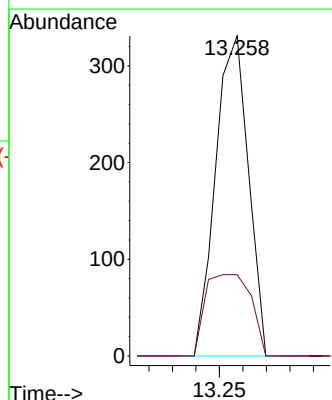
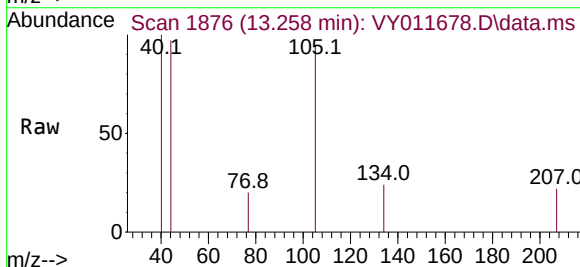
Acq: 02 Dec 2022 13:14

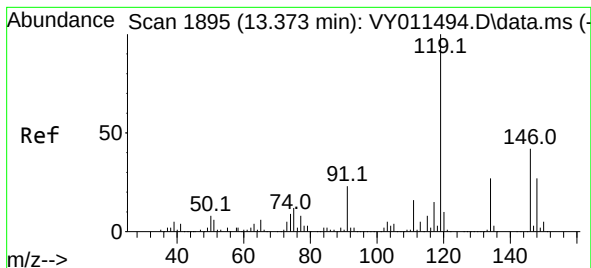
Tgt Ion:105 Resp: 321

Ion Ratio Lower Upper

105 100

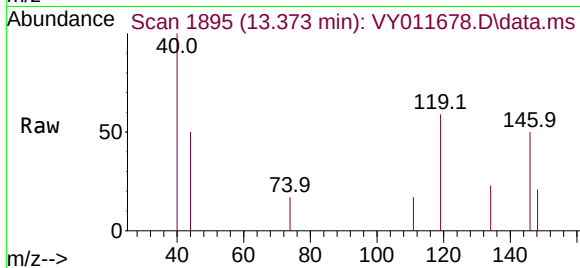
134 35.2 10.2 30.4#



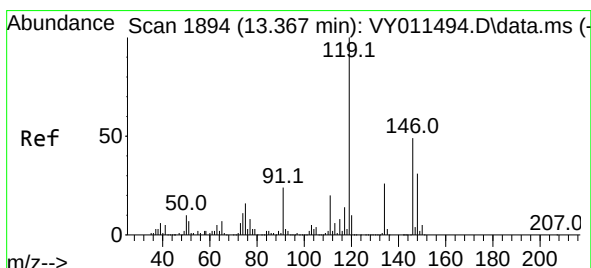
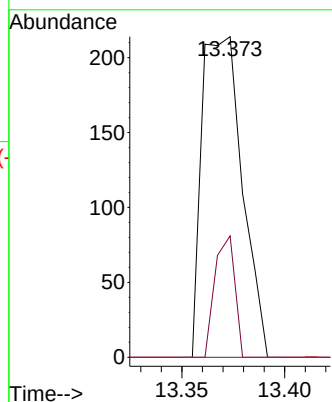
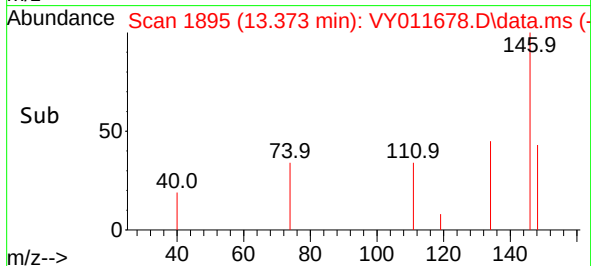


#86
 p-Isopropyltoluene
 Concen: 1.131 ug/l
 RT: 13.373 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY011678.D
 Acq: 02 Dec 2022 13:14

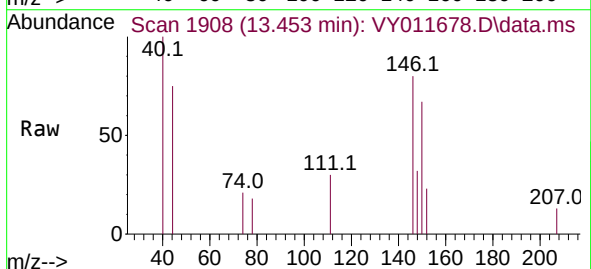
Instrument :
 MSVOA_Y
 ClientSampleId :



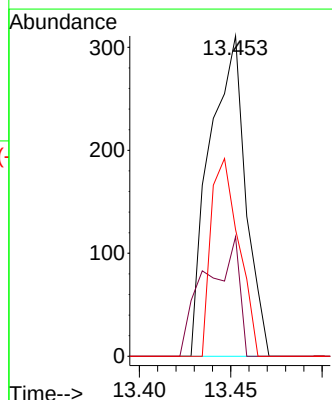
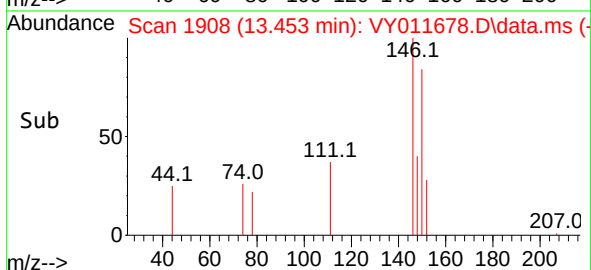
Tgt Ion:119 Resp: 292
 Ion Ratio Lower Upper
 119 100
 134 18.8 13.2 39.5
 91 0.0 12.4 37.2#

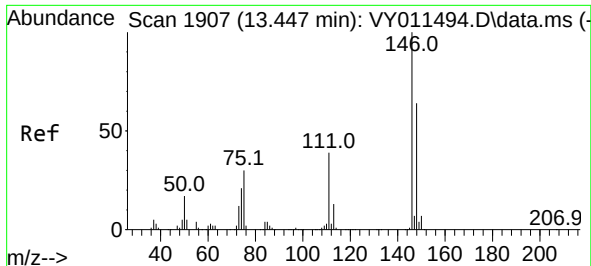


#87
 1,3-Dichlorobenzene
 Concen: 3.173 ug/l
 RT: 13.453 min Scan# 1908
 Delta R.T. 0.086 min
 Lab File: VY011678.D
 Acq: 02 Dec 2022 13:14



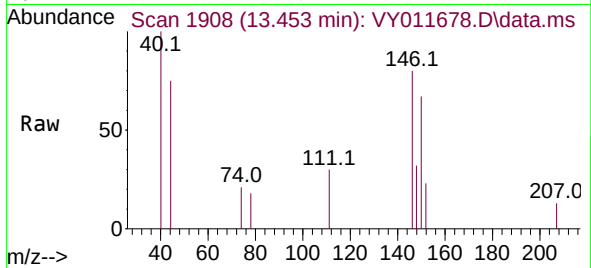
Tgt Ion:146 Resp: 426
 Ion Ratio Lower Upper
 146 100
 111 34.5 19.5 58.5
 148 47.7 31.6 95.0



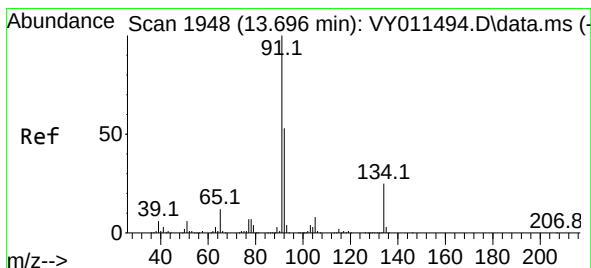
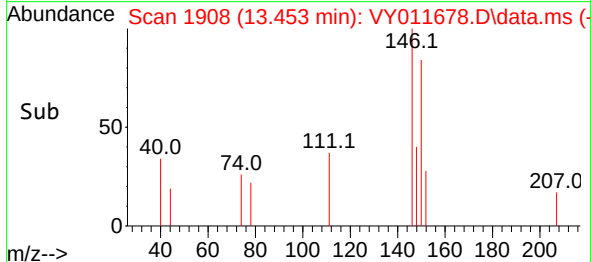
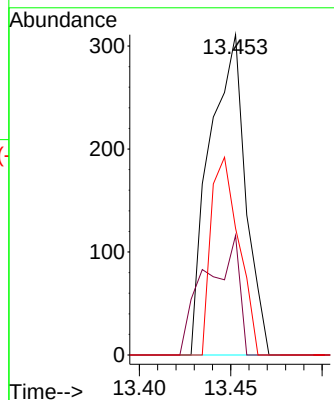


#88
1,4-Dichlorobenzene
Concen: 3.174 ug/l
RT: 13.453 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Instrument :
MSVOA_Y
ClientSampleId :

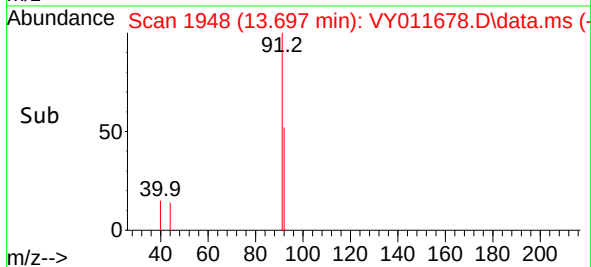
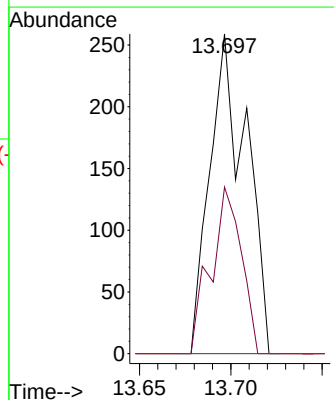
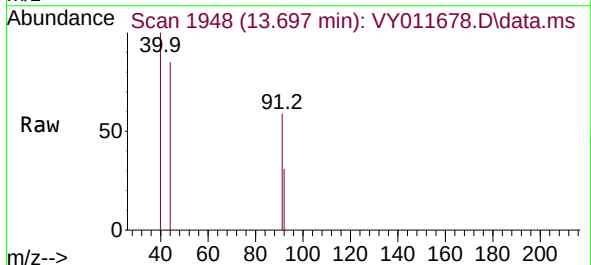


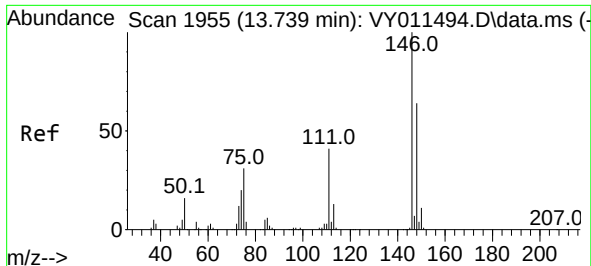
Tgt Ion:146 Resp: 426
Ion Ratio Lower Upper
146 100
111 34.5 19.3 57.8
148 47.7 32.6 97.8



#89
n-Butylbenzene
Concen: 1.517 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.001 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

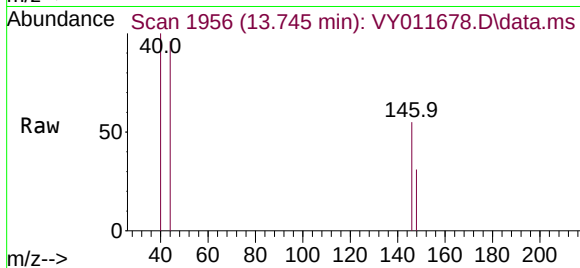
Tgt Ion: 91 Resp: 360
Ion Ratio Lower Upper
91 100
92 43.6 26.3 78.9
134 0.0 13.0 38.9#



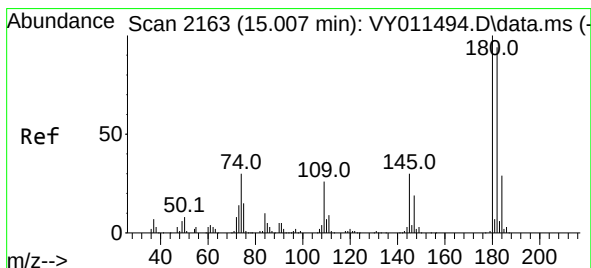
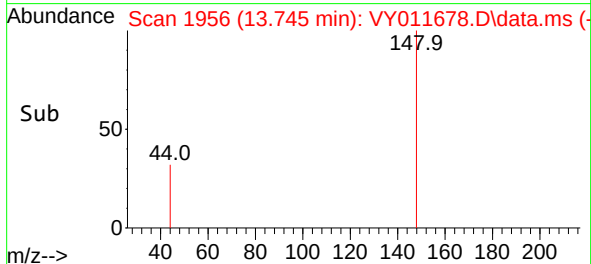
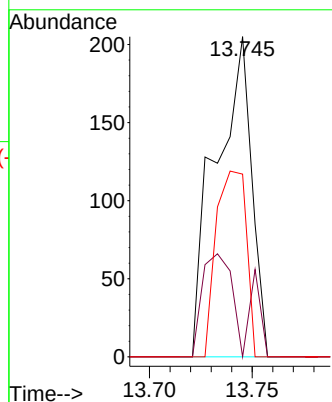


#91
1,2-Dichlorobenzene
Concen: 2.101 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Instrument :
MSVOA_Y
ClientSampleId :

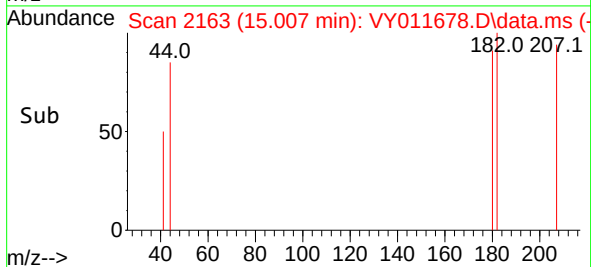
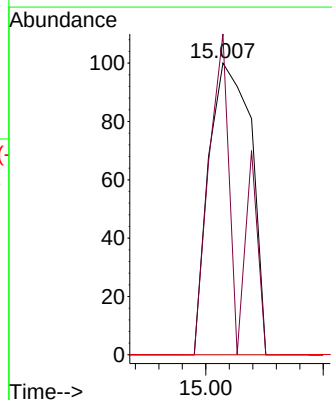
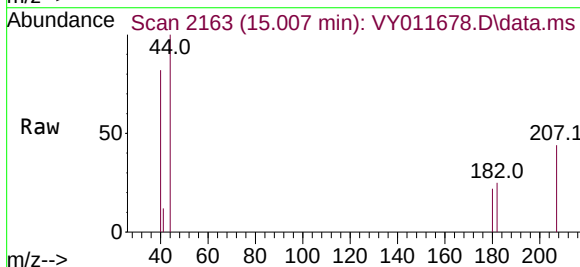


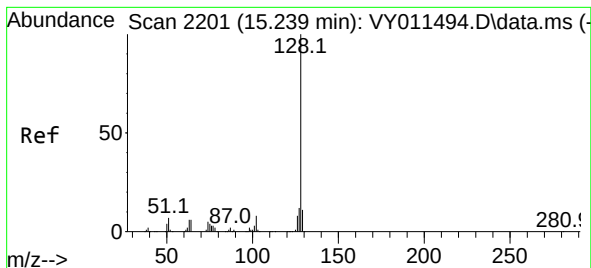
Tgt Ion:146	Resp:	250
Ion	Ratio	Lower Upper
146	100	
111	34.4	20.3 60.9
148	48.4	32.3 96.9



#93
1,2,4-Trichlorobenzene
Concen: 1.894 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY011678.D
Acq: 02 Dec 2022 13:14

Tgt Ion:180	Resp:	125
Ion	Ratio	Lower Upper
180	100	
182	72.0	47.3 141.9
145	0.0	14.6 43.8#





#95

Naphthalene

Concen: 6.087 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

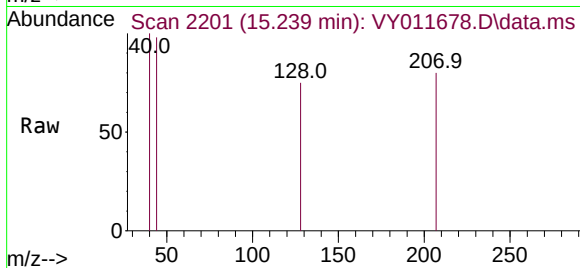
Lab File: VY011678.D

Acq: 02 Dec 2022 13:14

Instrument :

MSVOA_Y

ClientSampleId :



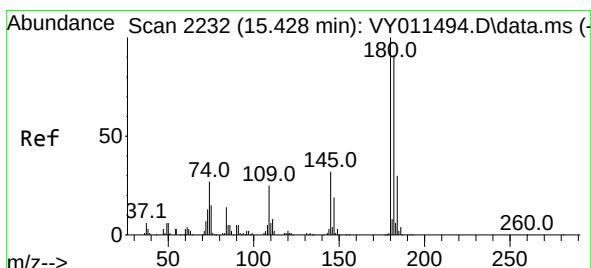
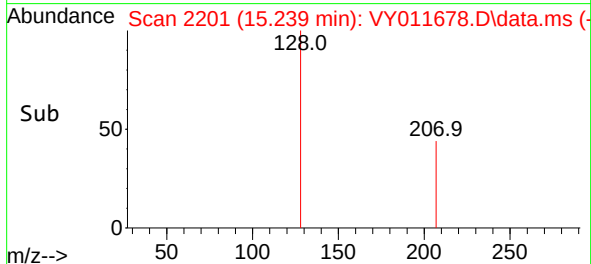
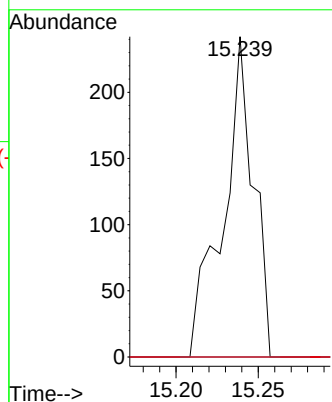
Tgt Ion:128 Resp: 311

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#



#96

1,2,3-Trichlorobenzene

Concen: 2.051 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY011678.D

Acq: 02 Dec 2022 13:14

Tgt Ion:180 Resp: 116

Ion Ratio Lower Upper

180 100

182 53.4 47.3 141.9

145 0.0 15.3 45.9#

