

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010616.D
 Acq On : 22 Sep 2022 12:45
 Operator : KP/MD
 Sample : N4713-01RE
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-091922RE

Quant Time: Sep 22 16:24:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

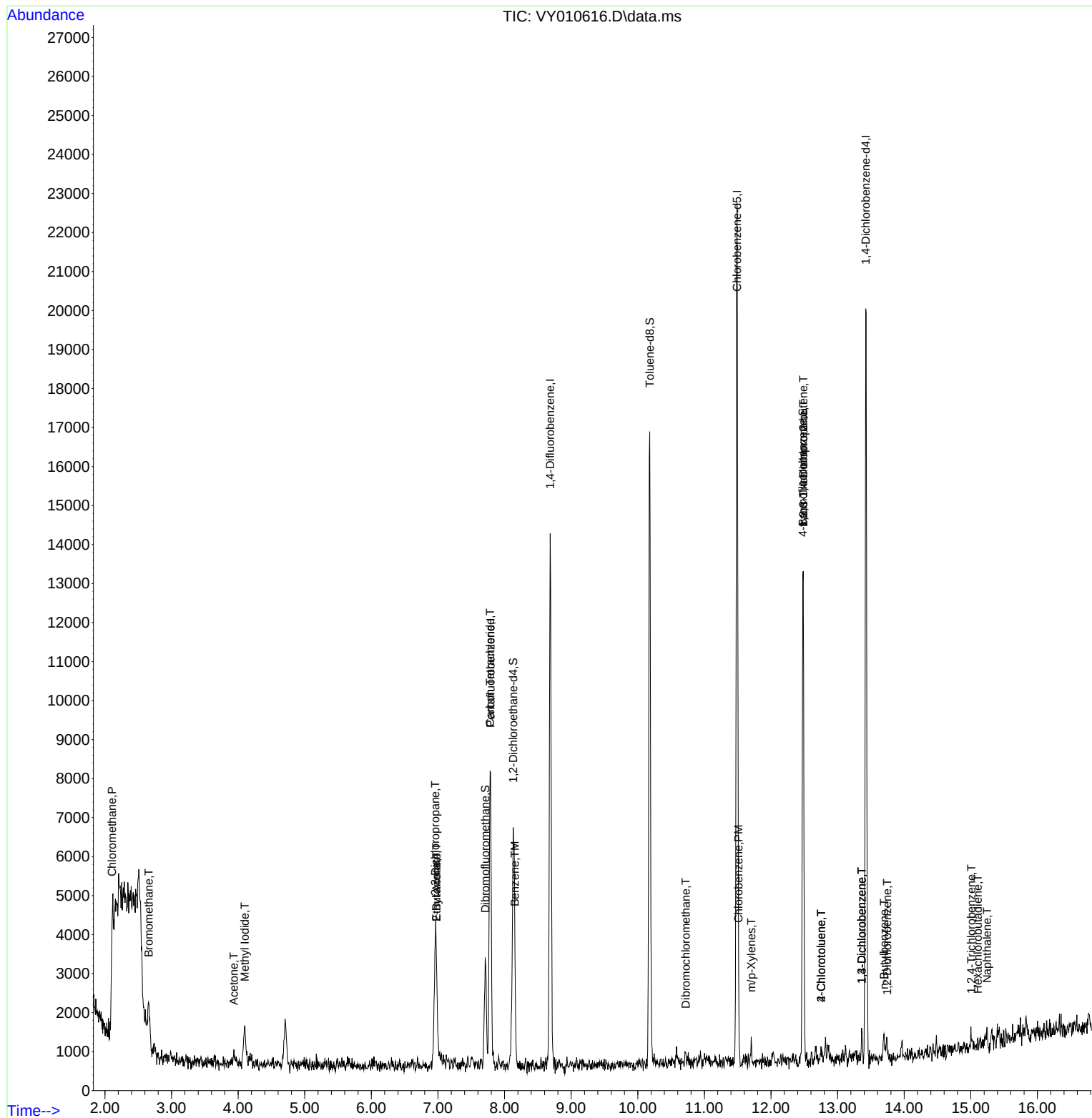
Internal Standards						
1) Pentafluorobenzene	7.789	168	6451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	11653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	13096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	4701	76.188	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 152.380%	
35) Dibromofluoromethane	7.710	113	1997	26.852	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 53.700%#	
50) Toluene-d8	10.179	98	11713	43.077	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 86.160%	
62) 4-Bromofluorobenzene	12.477	95	4200	40.670	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.340%	
Target Compounds						Qvalue
3) Chloromethane	2.107	50	535	8.434	ug/l #	72
4) Vinyl Chloride	2.260	62	68	Below Cal	#	43
5) Bromomethane	2.656	94	607	12.010	ug/l	85
10) Methyl Iodide	4.101	142	1527	25.911	ug/l #	88
16) Acetone	3.936	43	344	27.339	ug/l #	81
20) Methylene Chloride	4.710	84	792	Below Cal		85
25) 2-Butanone	6.978	43	129	6.554	ug/l #	54
26) 2,2-Dichloropropane	6.960	77	146	1.560	ug/l #	55
31) Cyclohexane	7.789	56	132	Below Cal	#	35
37) Ethyl Acetate	6.978	43	129	2.695	ug/l #	1
38) Carbon Tetrachloride	7.783	117	566	5.940	ug/l #	11
40) Benzene	8.155	78	347	1.405	ug/l #	50
60) Dibromochloromethane	10.721	129	80	1.184	ug/l #	11
65) Chlorobenzene	11.514	112	229	1.011	ug/l #	42
68) m/p-Xylenes	11.703	106	208	1.350	ug/l	75
76) 1,2,3-Trichloropropane	12.483	75	2151	44.752	ug/l #	100
79) 2-Chlorotoluene	12.752	91	276	1.307	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.483	75	2151	99.502	ug/l #	7
82) 4-Chlorotoluene	12.752	91	276	1.265	ug/l	87
87) 1,3-Dichlorobenzene	13.361	146	283	1.883	ug/l	76
88) 1,4-Dichlorobenzene	13.361	146	283	1.902	ug/l	78
89) n-Butylbenzene	13.697	91	328	1.241	ug/l #	78
91) 1,2-Dichlorobenzene	13.745	146	302	2.256	ug/l #	81
93) 1,2,4-Trichlorobenzene	15.007	180	122	1.494	ug/l #	86
94) Hexachlorobutadiene	15.105	225	98	1.974	ug/l #	19
95) Naphthalene	15.245	128	555	3.372	ug/l #	69

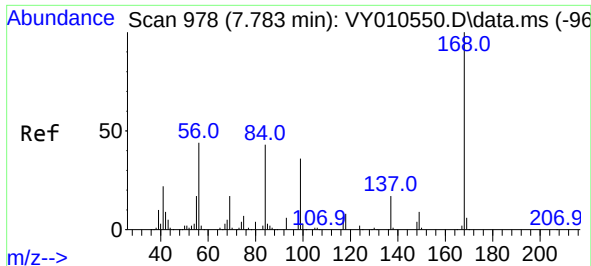
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
Data File : VY010616.D
Acq On : 22 Sep 2022 12:45
Operator : KP/MD
Sample : N4713-01RE
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

Quant Time: Sep 22 16:24:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 01:02:44 2022
Response via : Initial Calibration

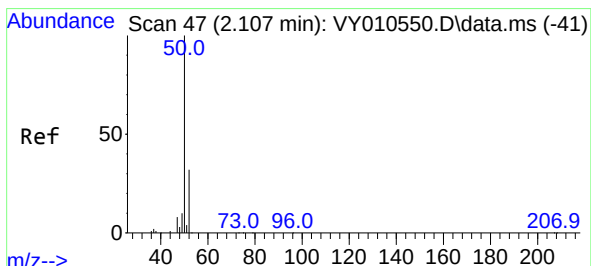
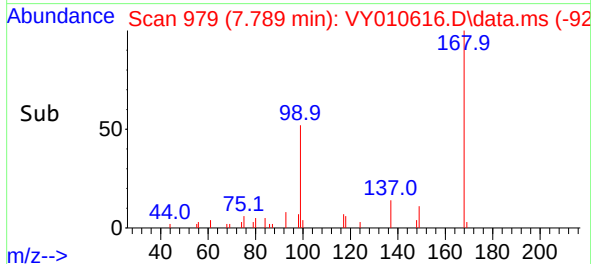
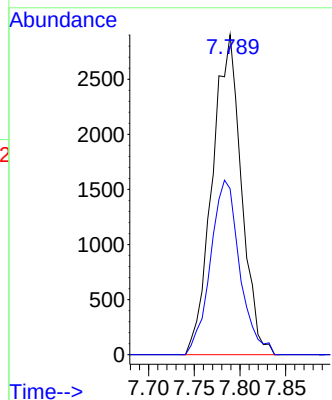
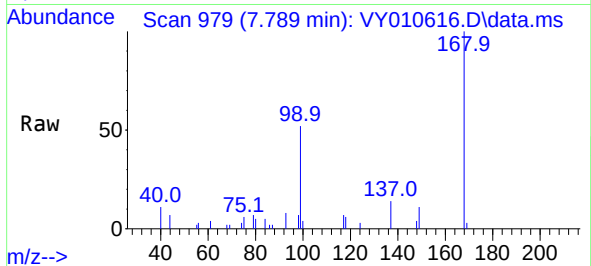




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

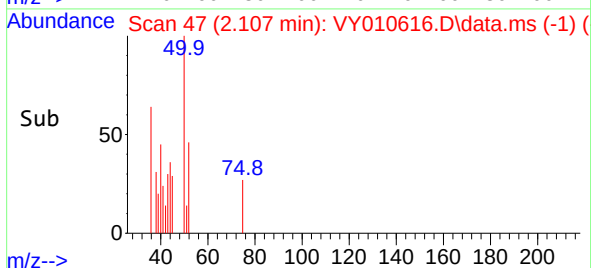
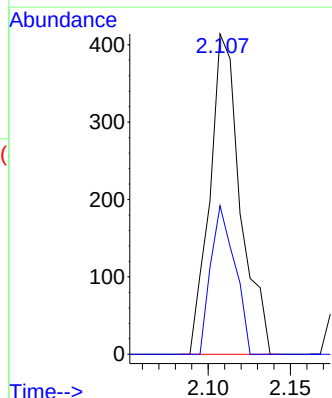
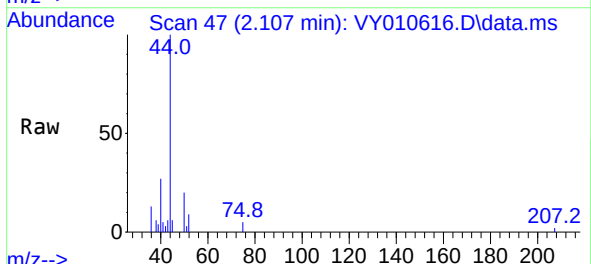
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

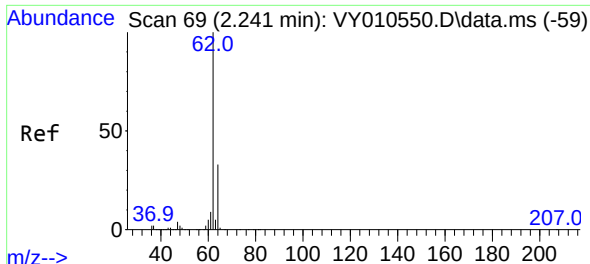
Tgt Ion:168 Resp: 6451
Ion Ratio Lower Upper
168 100
99 51.9 46.9 70.3



#3
Chloromethane
Concen: 8.434 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

Tgt Ion: 50 Resp: 535
Ion Ratio Lower Upper
50 100
52 46.4 24.6 37.0#

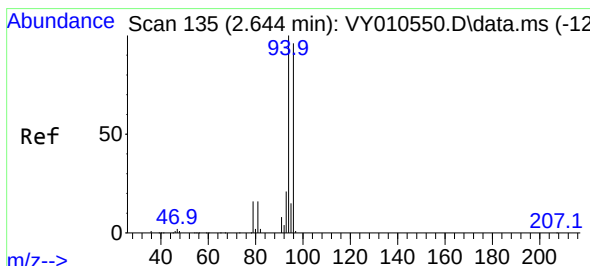
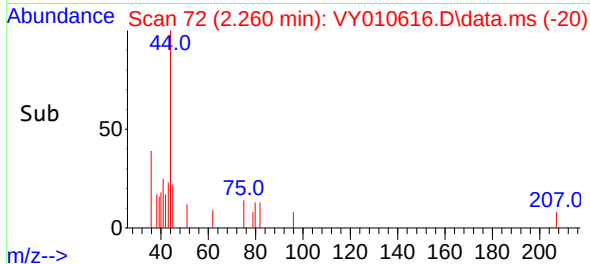
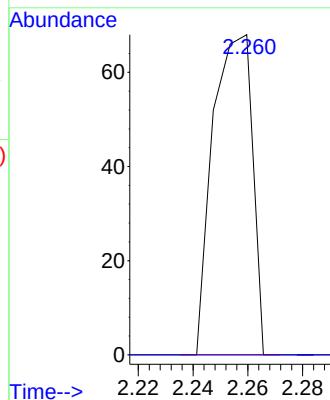
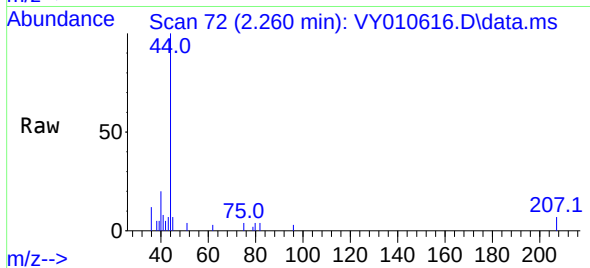




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.260 min Scan# 71
 Delta R.T. 0.019 min
 Lab File: VY010616.D
 Acq: 22 Sep 2022 12:45

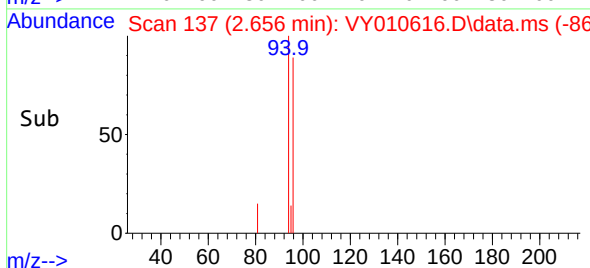
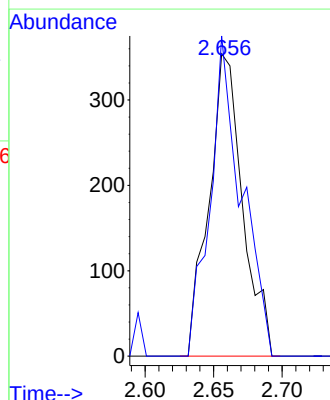
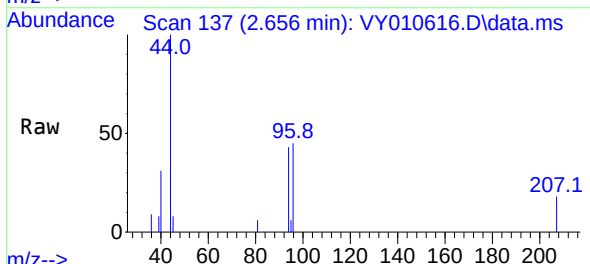
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-091922RE

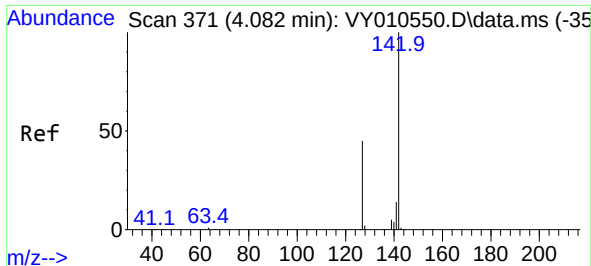
Tgt Ion: 62 Resp: 68
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: 12.010 ug/l
 RT: 2.656 min Scan# 137
 Delta R.T. 0.012 min
 Lab File: VY010616.D
 Acq: 22 Sep 2022 12:45

Tgt Ion: 94 Resp: 607
 Ion Ratio Lower Upper
 94 100
 96 105.9 73.5 110.3

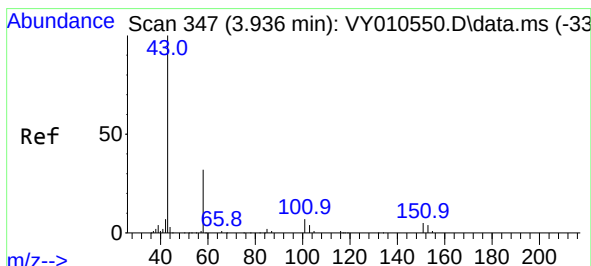
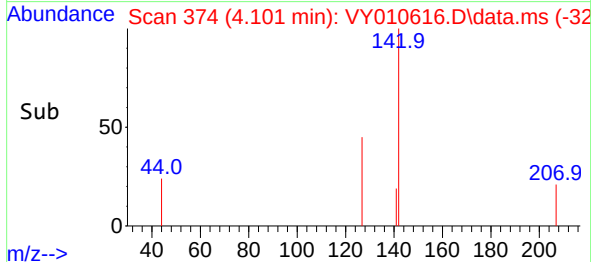
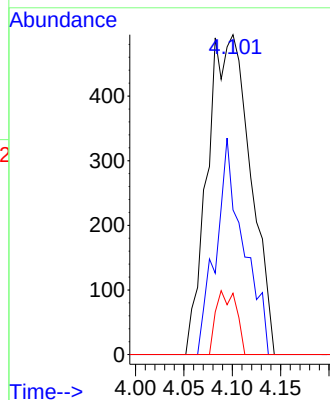
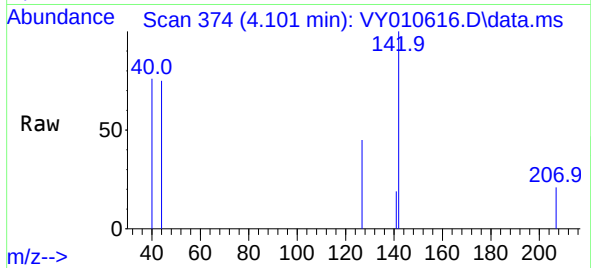




#10
Methyl Iodide
Concen: 25.911 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

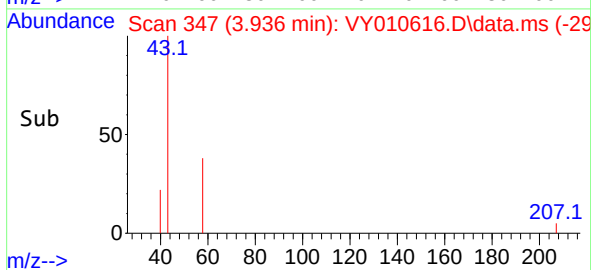
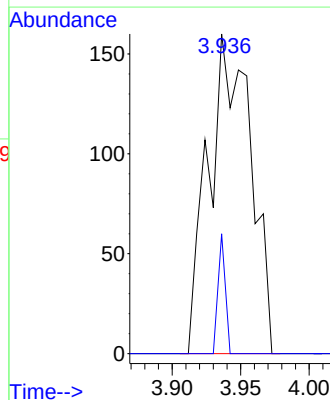
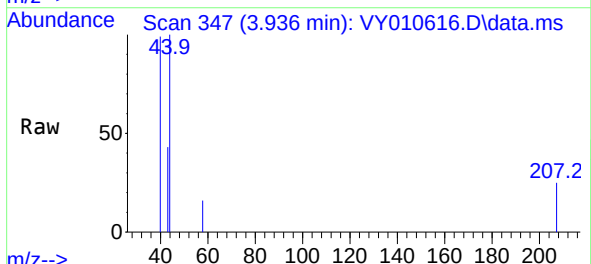
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

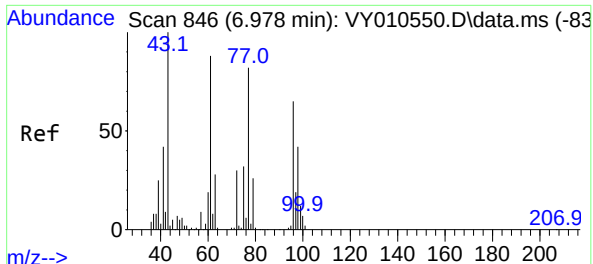
Tgt Ion:142 Resp: 1527
Ion Ratio Lower Upper
142 100
127 43.5 41.5 62.3
141 9.4 11.9 17.9#



#16
Acetone
Concen: 27.339 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

Tgt Ion: 43 Resp: 344
Ion Ratio Lower Upper
43 100
58 37.5 22.0 33.0#

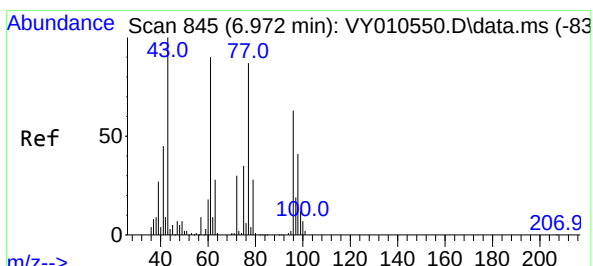
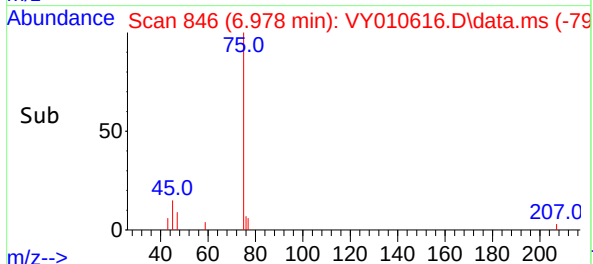
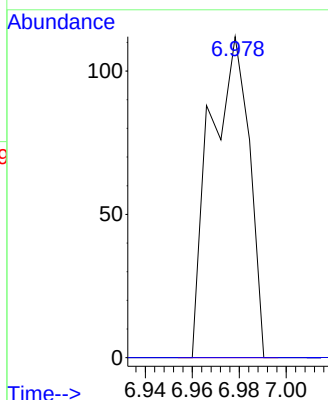
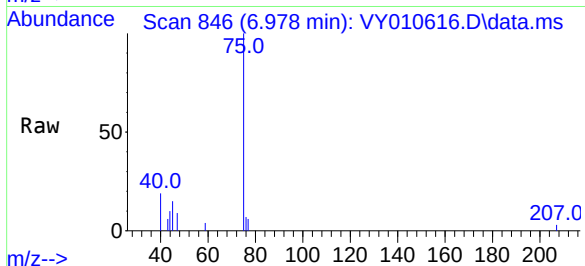




#25
2-Butanone
Concen: 6.554 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

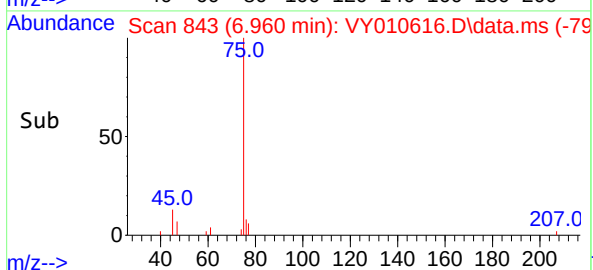
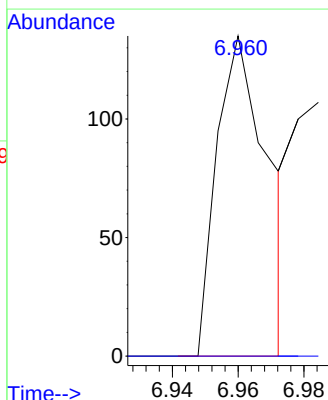
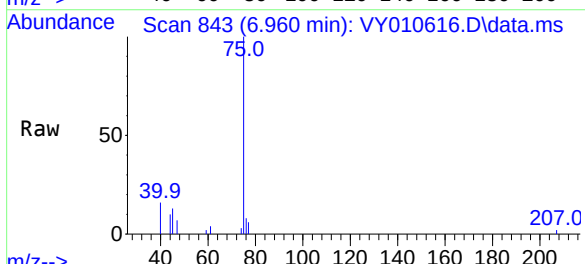
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

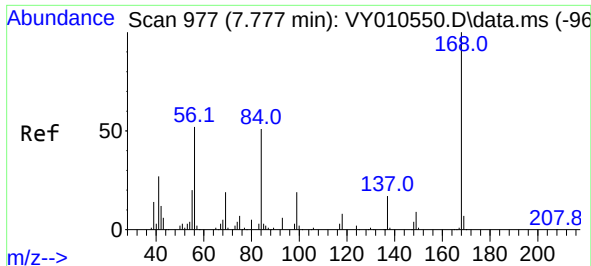
Tgt Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.560 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.012 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

Tgt Ion: 77 Resp: 146
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

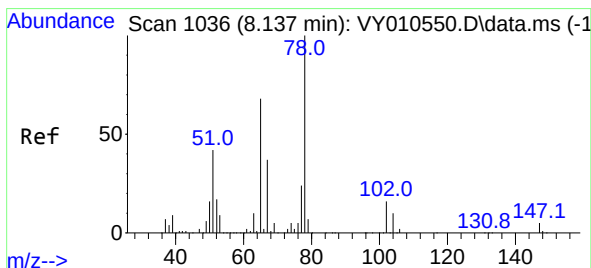
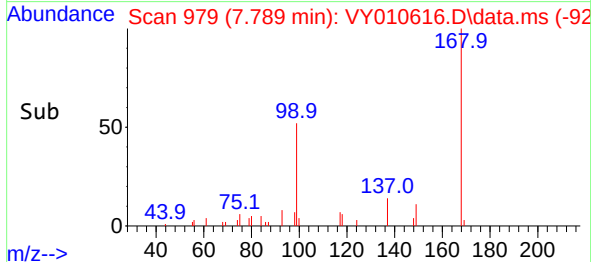
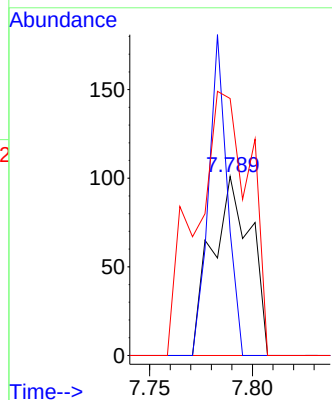
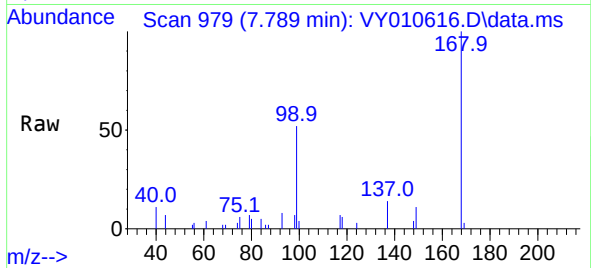




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

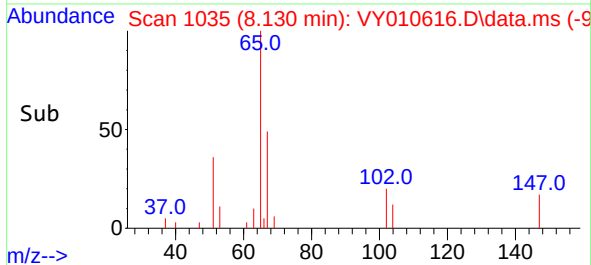
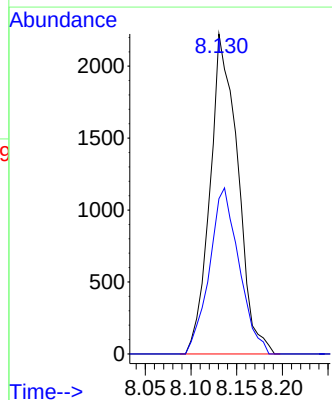
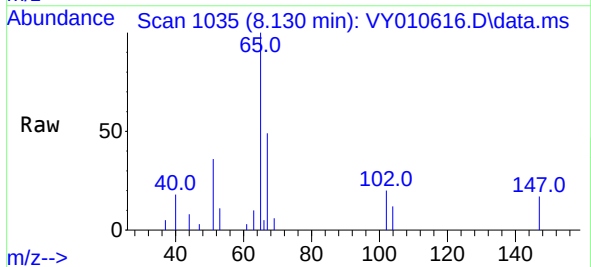
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

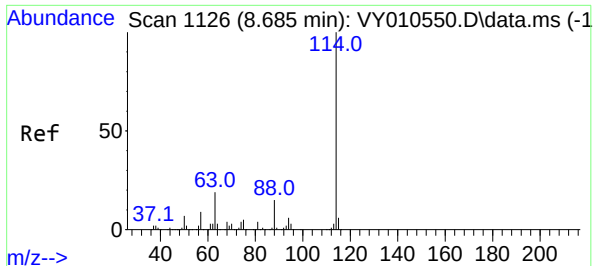
Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
69 69.3 26.7 40.1#
84 143.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 76.188 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.007 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

Tgt Ion: 65 Resp: 4701
Ion Ratio Lower Upper
65 100
67 55.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010616.D

Acq: 22 Sep 2022 12:45

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-091922RE

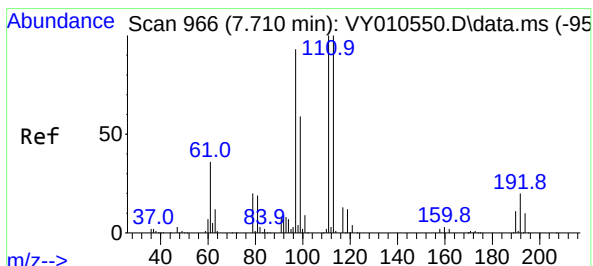
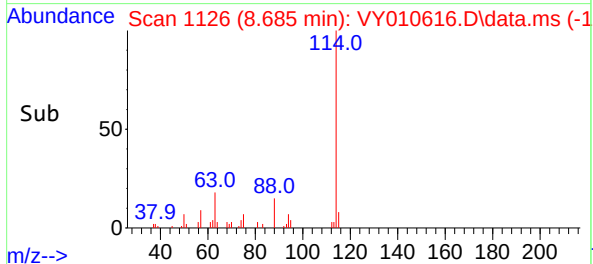
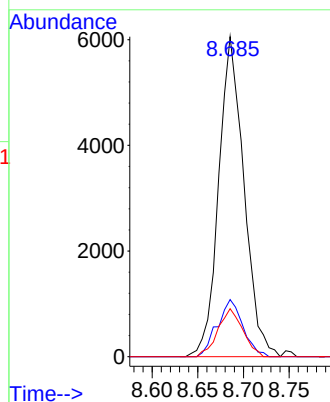
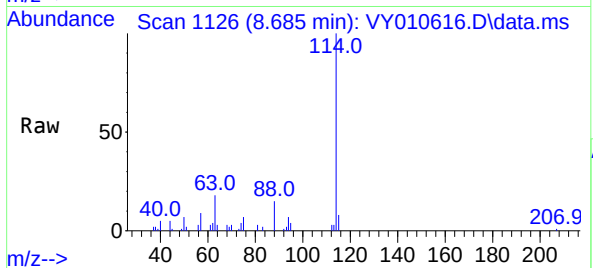
Tgt Ion:114 Resp: 11653

Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 26.852 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010616.D

Acq: 22 Sep 2022 12:45

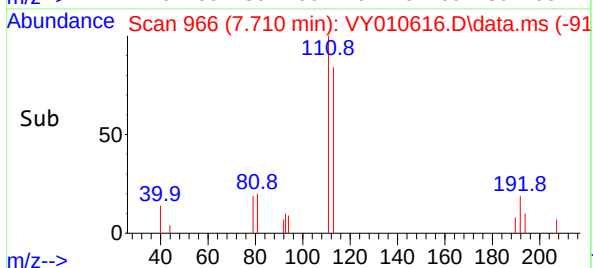
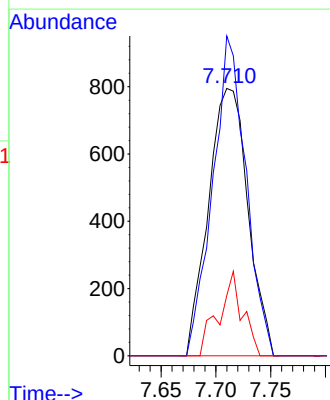
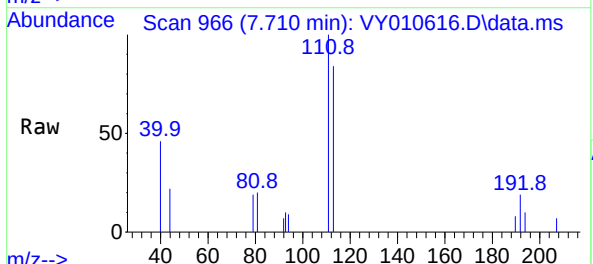
Tgt Ion:113 Resp: 1997

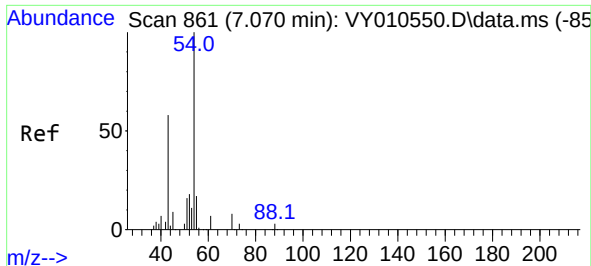
Ion Ratio Lower Upper

113 100

111 100.2 82.6 124.0

192 19.0 17.6 26.4





#37

Ethyl Acetate

Concen: 2.695 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY010616.D

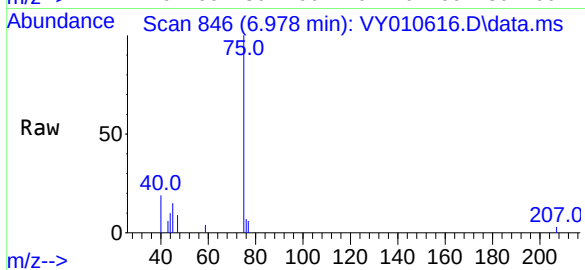
Acq: 22 Sep 2022 12:45

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-091922RE



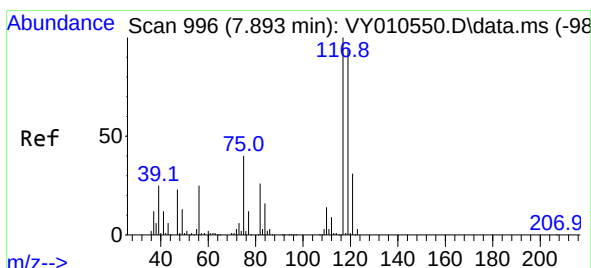
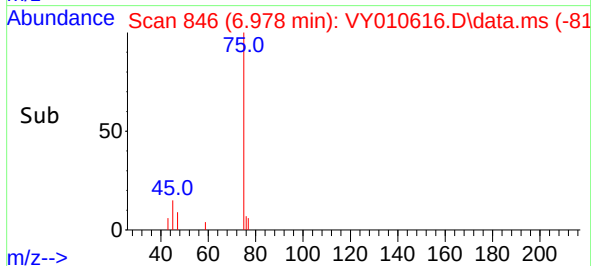
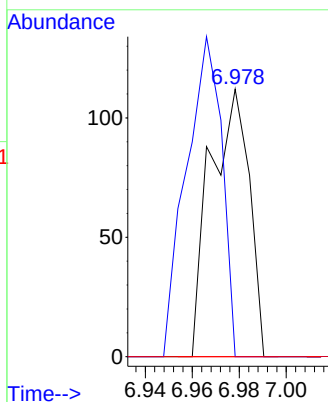
Tgt Ion: 43 Resp: 129

Ion Ratio Lower Upper

43 100

61 109.3 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.940 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010616.D

Acq: 22 Sep 2022 12:45

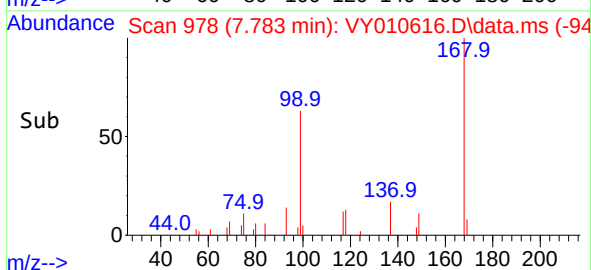
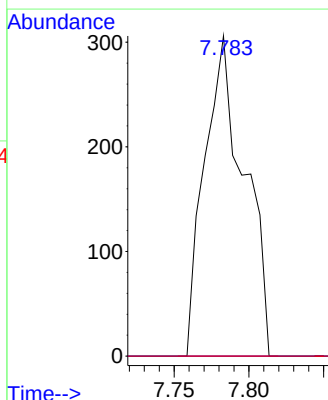
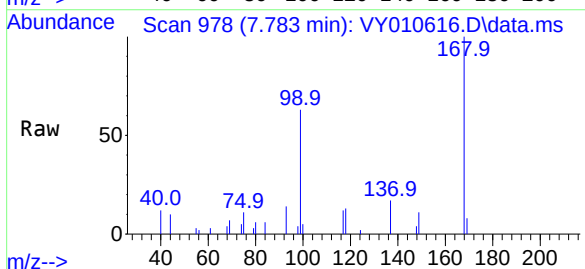
Tgt Ion: 117 Resp: 566

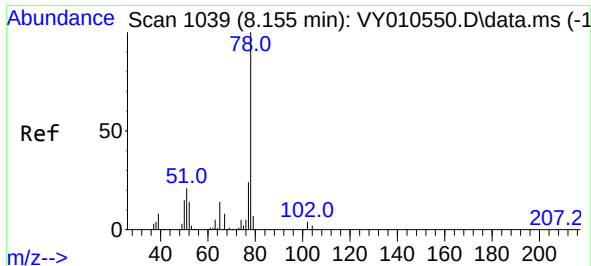
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

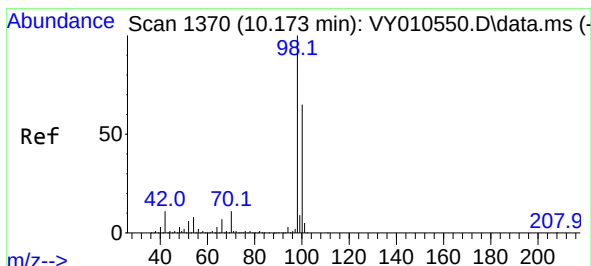
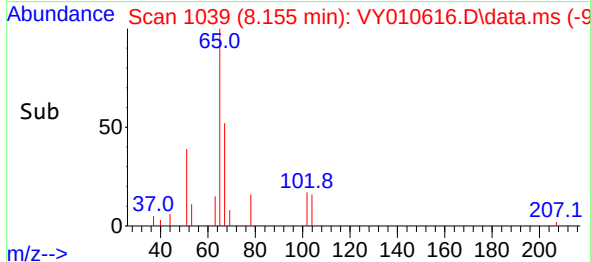
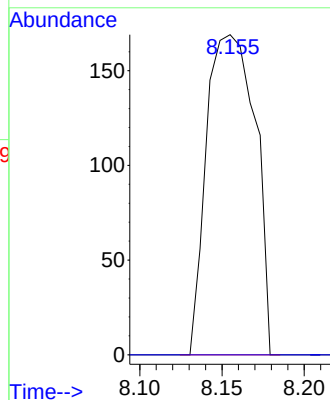
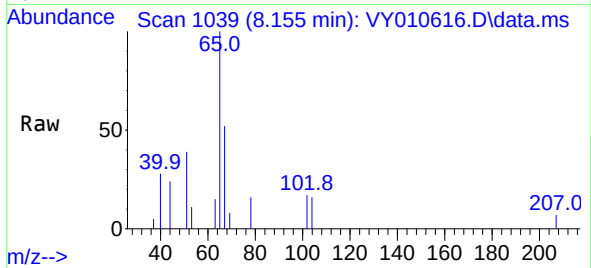




#40
Benzene
Concen: 1.405 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

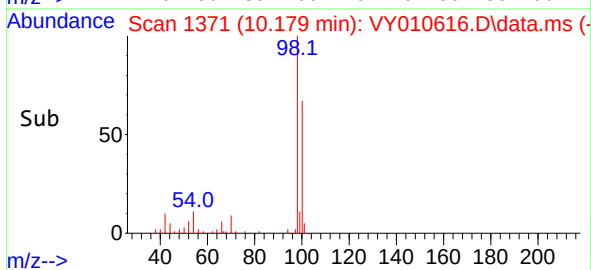
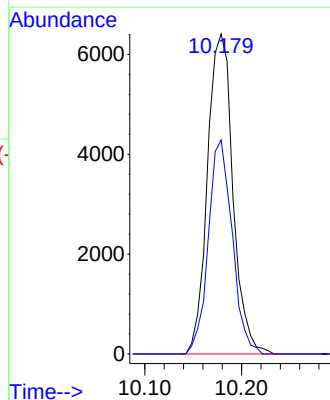
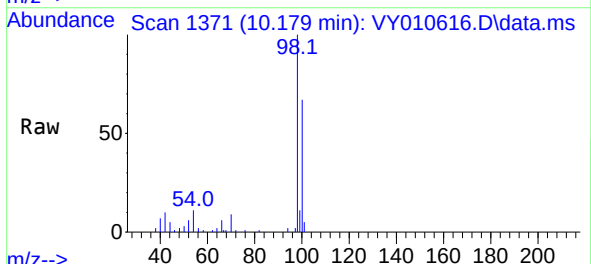
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

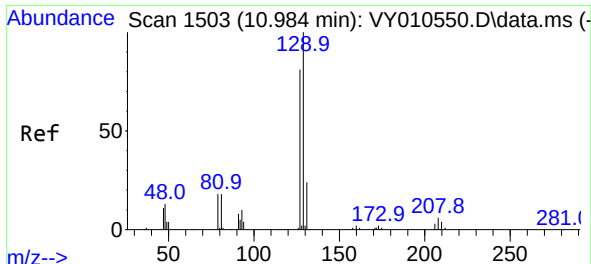
Tgt Ion: 78 Resp: 347
Ion Ratio Lower Upper
78 100
77 0.0 20.4 30.6#



#50
Toluene-d8
Concen: 43.077 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

Tgt Ion: 98 Resp: 11713
Ion Ratio Lower Upper
98 100
100 62.8 50.2 75.2

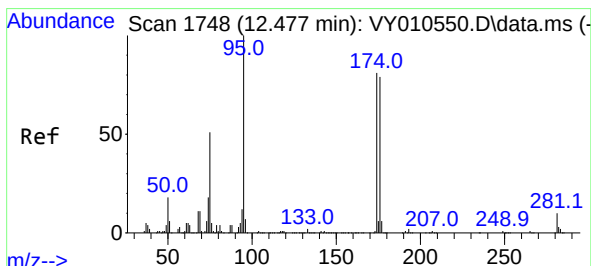
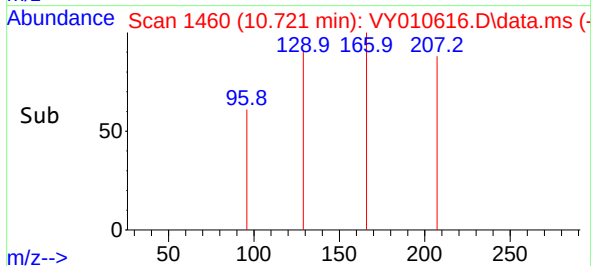
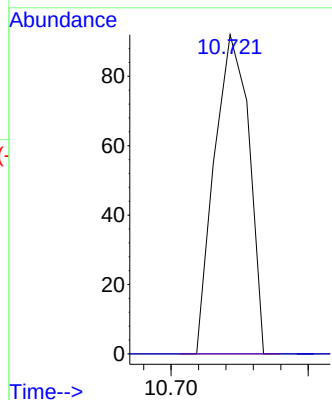
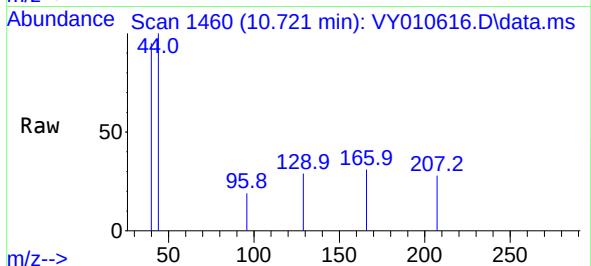




#60
Dibromochloromethane
Concen: 1.184 ug/l
RT: 10.721 min Scan# 14
Delta R.T. -0.263 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

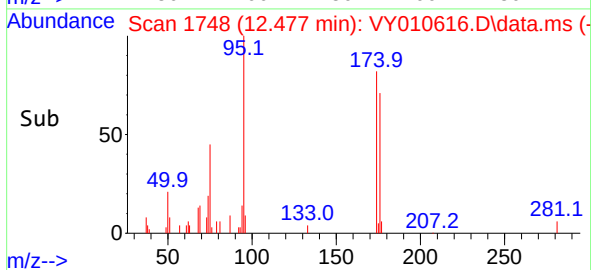
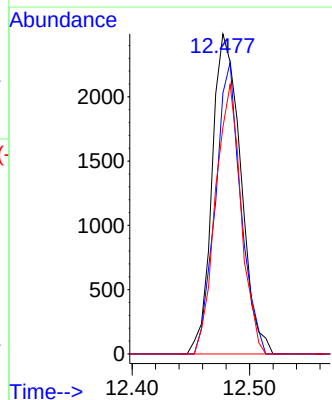
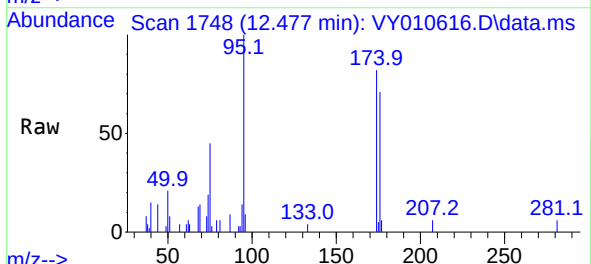
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

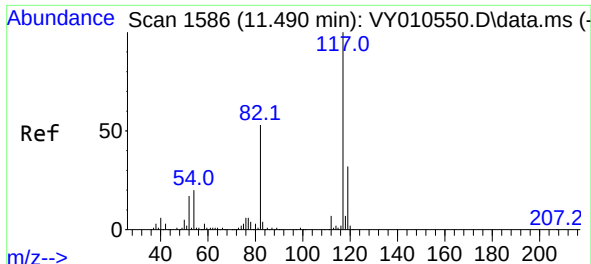
Tgt Ion:129 Resp: 80
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 40.670 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

Tgt Ion: 95 Resp: 4200
Ion Ratio Lower Upper
95 100
174 81.0 0.0 177.0
176 75.6 0.0 175.8

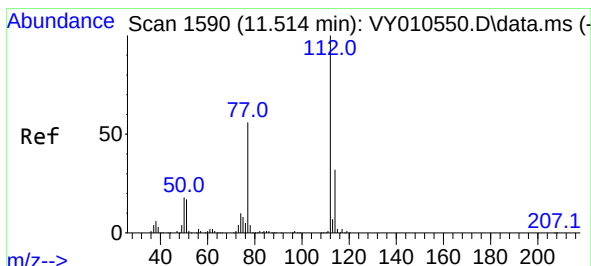
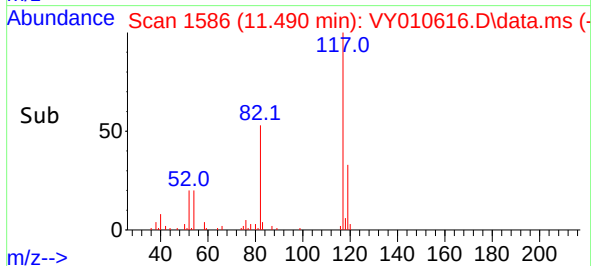
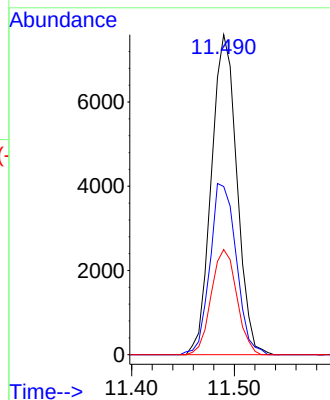
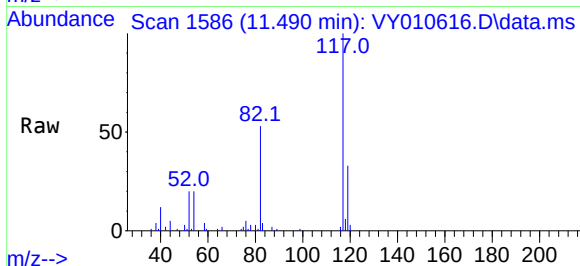




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

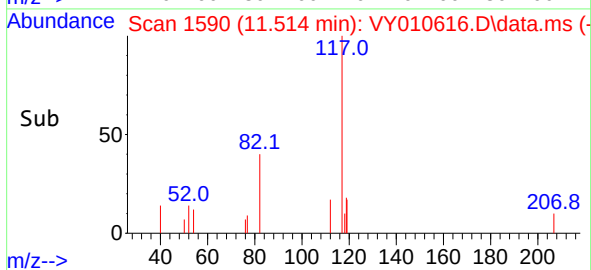
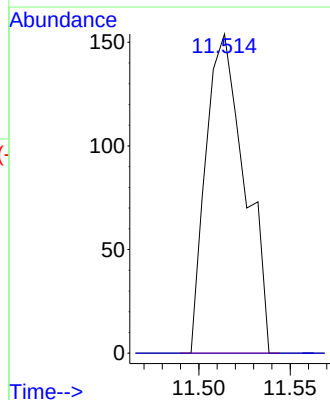
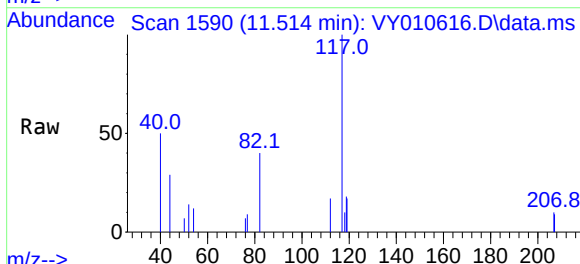
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

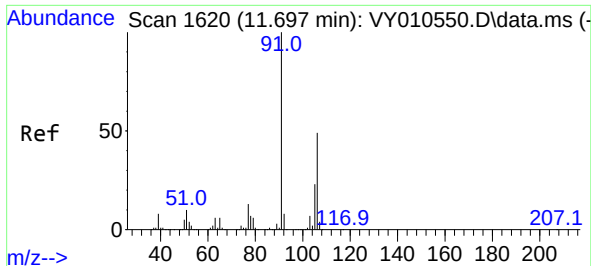
Tgt Ion:	117	Resp:	13096
Ion	Ratio	Lower	Upper
117	100		
82	52.6	43.0	64.4
119	32.9	25.4	38.0



#65
Chlorobenzene
Concen: 1.011 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

Tgt Ion:	112	Resp:	229
Ion	Ratio	Lower	Upper
112	100		
114	0.0	25.8	38.6#

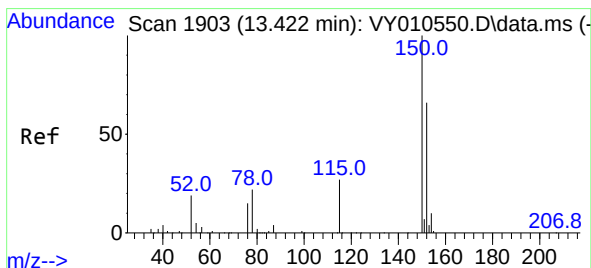
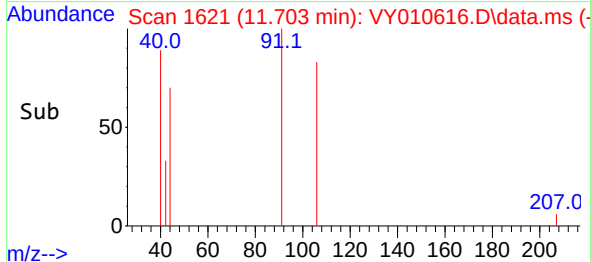
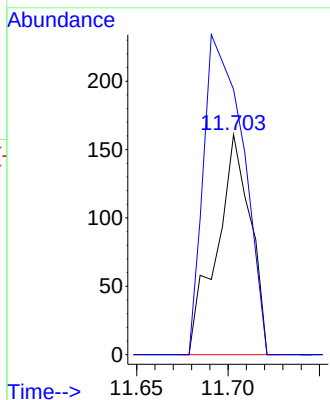
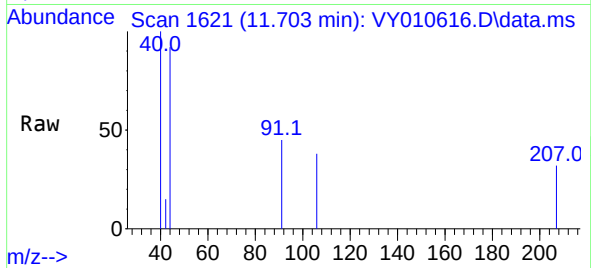




#68
m/p-Xylenes
Concen: 1.350 ug/l
RT: 11.703 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

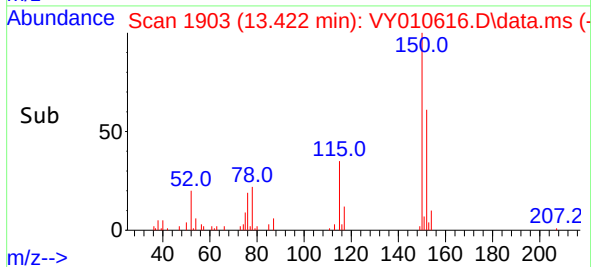
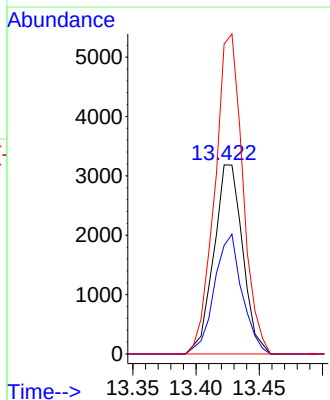
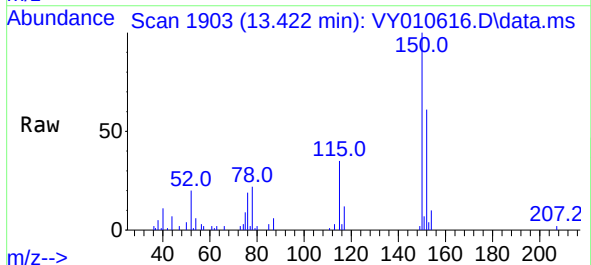
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

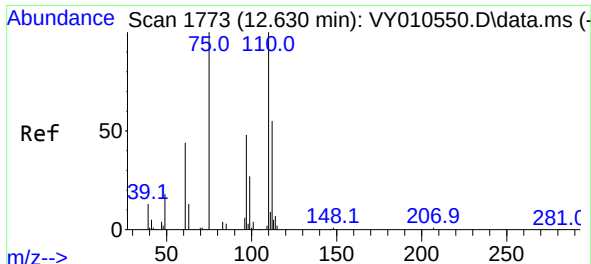
Tgt Ion:106 Resp: 208
Ion Ratio Lower Upper
106 100
91 169.2 166.6 249.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

Tgt Ion:152 Resp: 5036
Ion Ratio Lower Upper
152 100
115 61.0 28.2 84.7
150 164.3 0.0 347.6

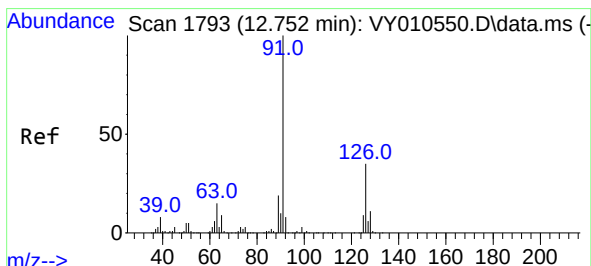
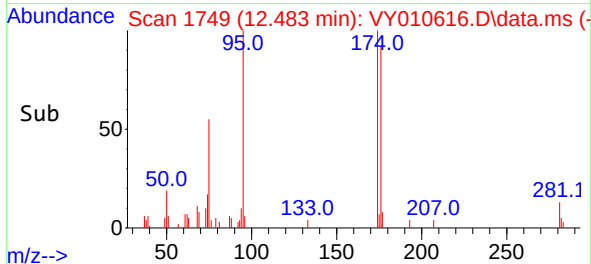
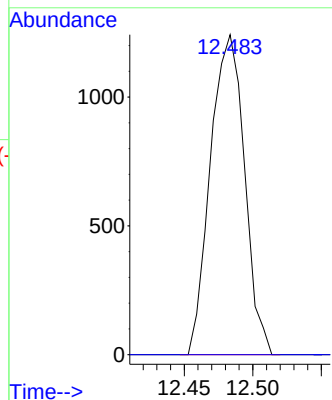
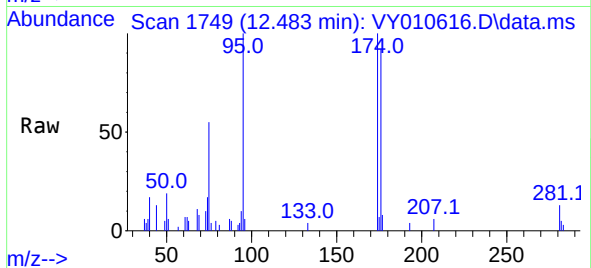




#76
1,2,3-Trichloropropane
Concen: 44.752 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

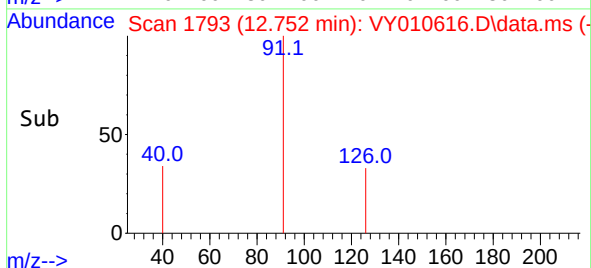
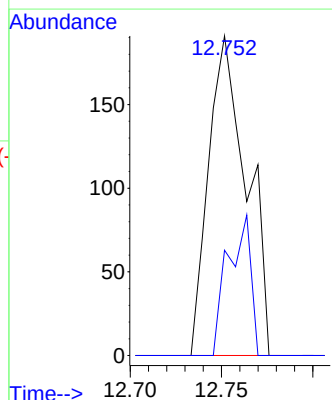
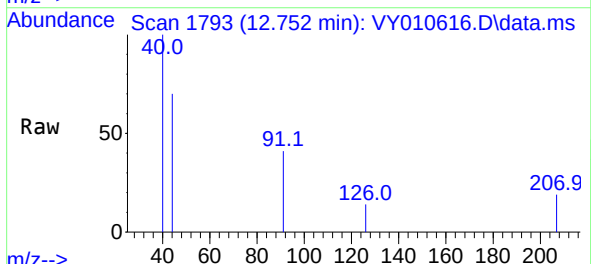
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

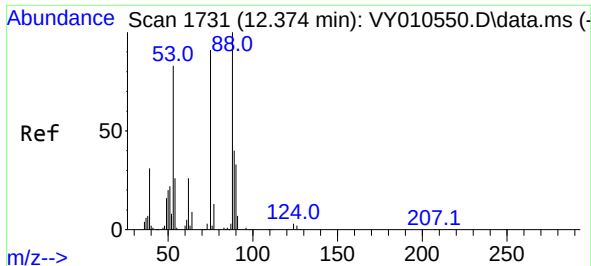
Tgt Ion: 75 Resp: 2151
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#79
2-Chlorotoluene
Concen: 1.307 ug/l
RT: 12.752 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

Tgt Ion: 91 Resp: 276
Ion Ratio Lower Upper
91 100
126 26.4 16.9 50.6

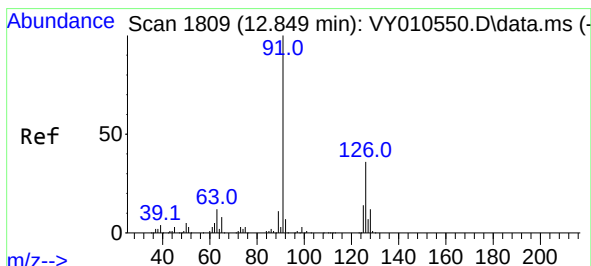
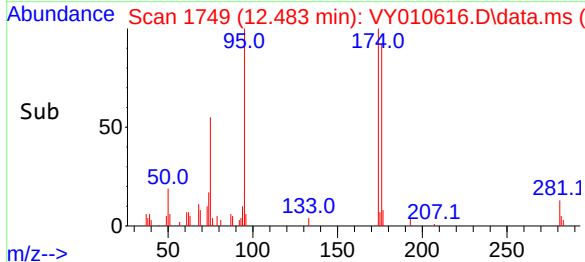
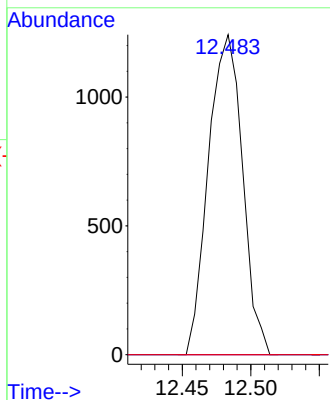
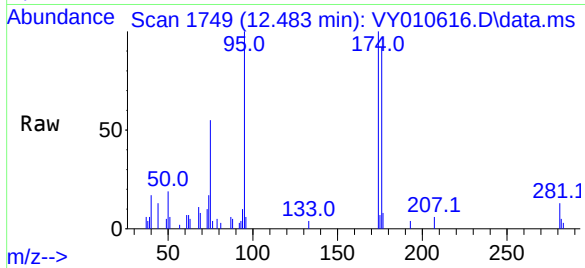




#81
trans-1,4-Dichloro-2-butene
Concen: 99.502 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

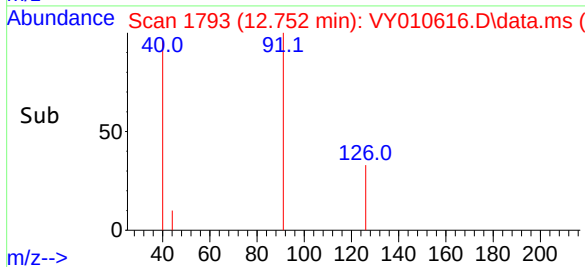
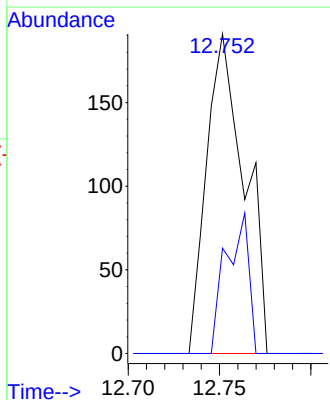
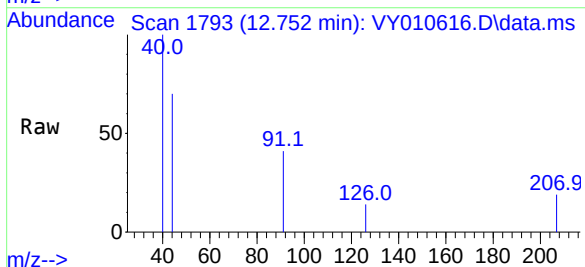
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

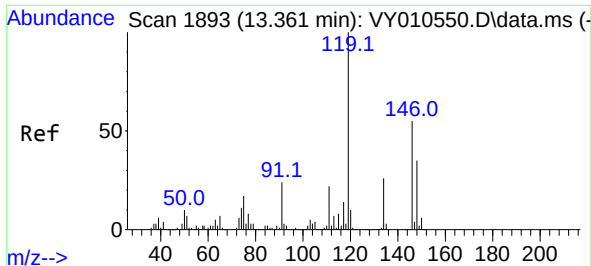
Tgt Ion: 75 Resp: 2151
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#82
4-Chlorotoluene
Concen: 1.265 ug/l
RT: 12.752 min Scan# 1793
Delta R.T. -0.097 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

Tgt Ion: 91 Resp: 276
Ion Ratio Lower Upper
91 100
126 26.4 17.0 51.0

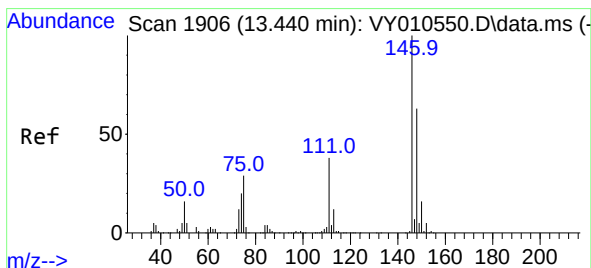
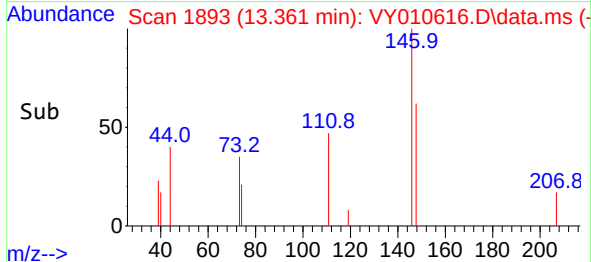
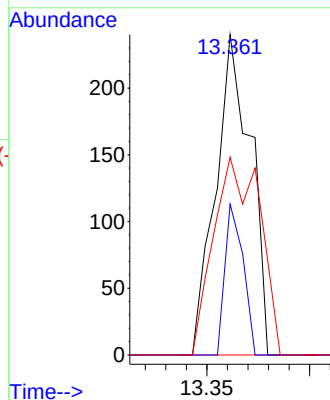
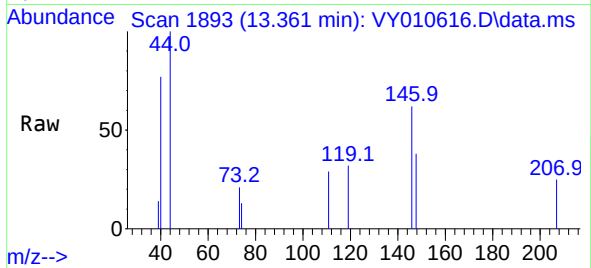




#87
1,3-Dichlorobenzene
Concen: 1.883 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

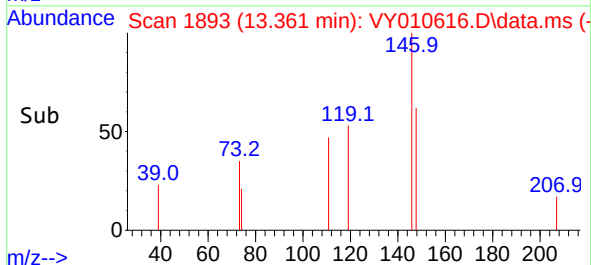
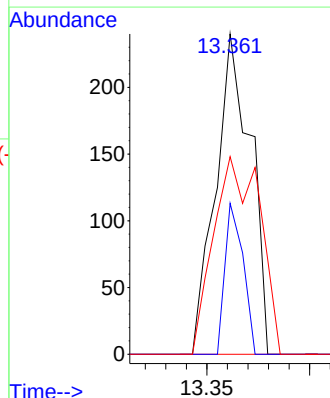
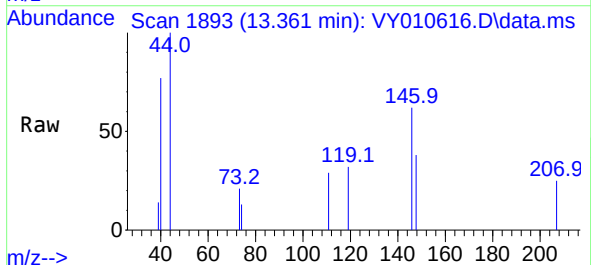
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

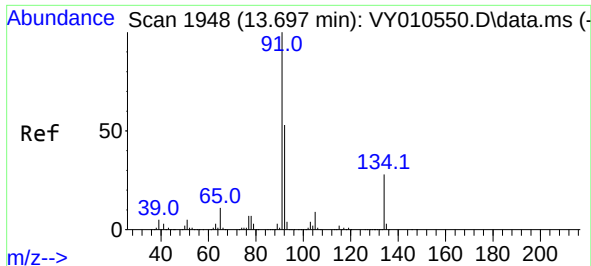
Tgt Ion:	146	Resp:	283
Ion	Ratio	Lower	Upper
146	100		
111	24.4	19.5	58.5
148	82.0	31.6	95.0



#88
1,4-Dichlorobenzene
Concen: 1.902 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.079 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

Tgt Ion:	146	Resp:	283
Ion	Ratio	Lower	Upper
146	100		
111	24.4	19.3	57.8
148	82.0	32.6	97.8

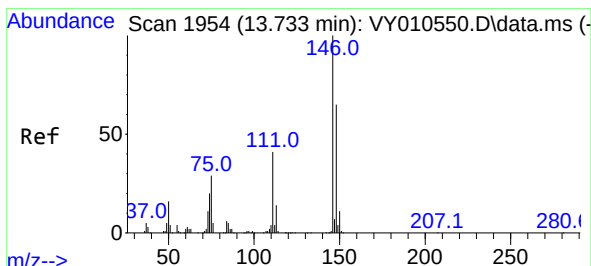
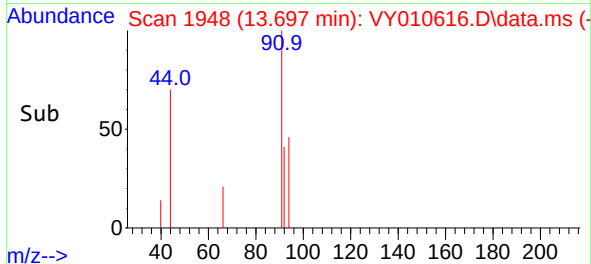
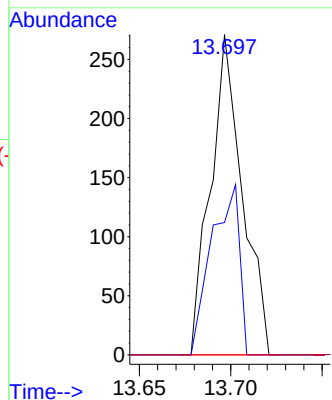
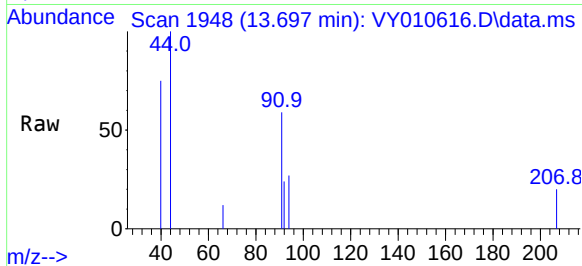




#89
n-Butylbenzene
Concen: 1.241 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

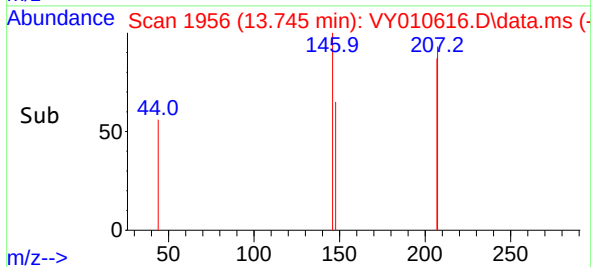
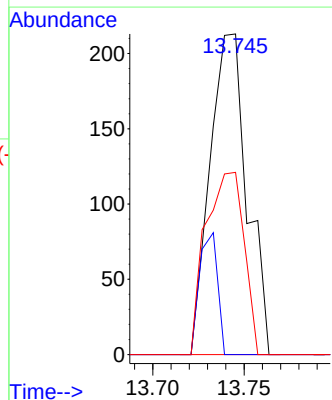
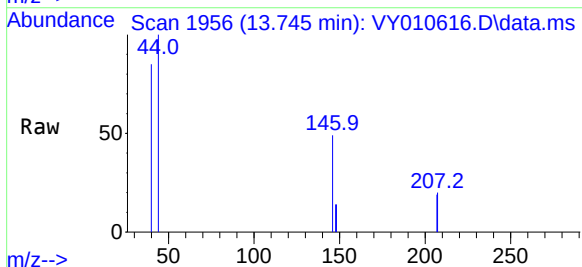
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-091922RE

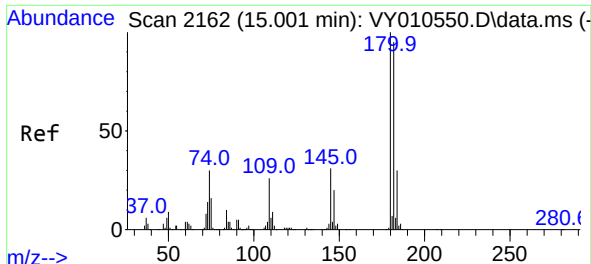
Tgt Ion:	91	Resp:	328
Ion	Ratio	Lower	Upper
91	100		
92	47.0	26.3	78.9
134	0.0	13.0	38.9#



#91
1,2-Dichlorobenzene
Concen: 2.256 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.012 min
Lab File: VY010616.D
Acq: 22 Sep 2022 12:45

Tgt Ion:	146	Resp:	302
Ion	Ratio	Lower	Upper
146	100		
111	18.2	20.3	60.9#
148	58.3	32.3	96.9





#93

1,2,4-Trichlorobenzene

Concen: 1.494 ug/l

RT: 15.007 min Scan# 2162

Delta R.T. 0.006 min

Lab File: VY010616.D

Acq: 22 Sep 2022 12:45

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-091922RE

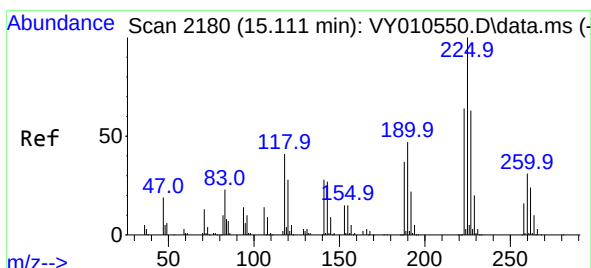
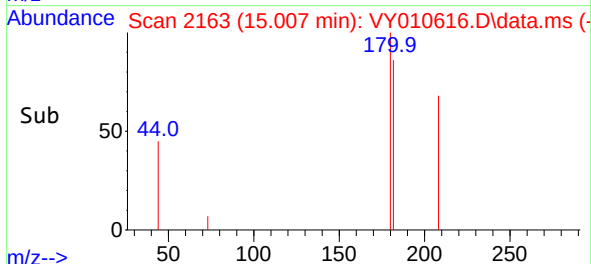
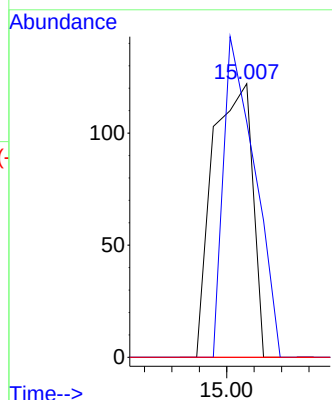
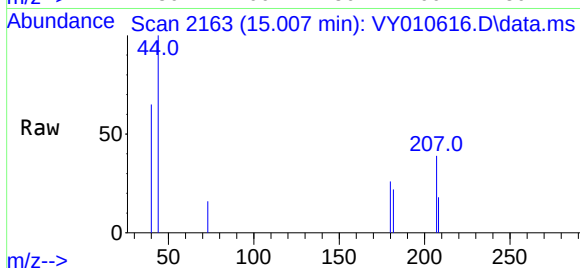
Tgt Ion:180 Resp: 122

Ion Ratio Lower Upper

180 100

182 92.6 47.3 141.9

145 0.0 14.6 43.8#



#94

Hexachlorobutadiene

Concen: 1.974 ug/l

RT: 15.105 min Scan# 2179

Delta R.T. -0.006 min

Lab File: VY010616.D

Acq: 22 Sep 2022 12:45

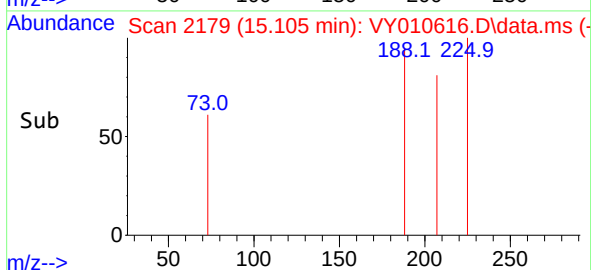
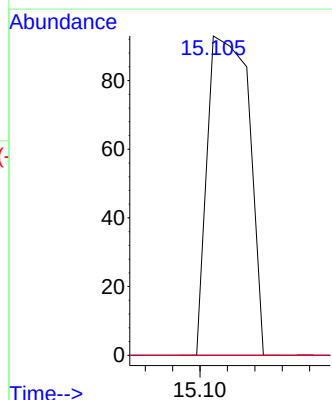
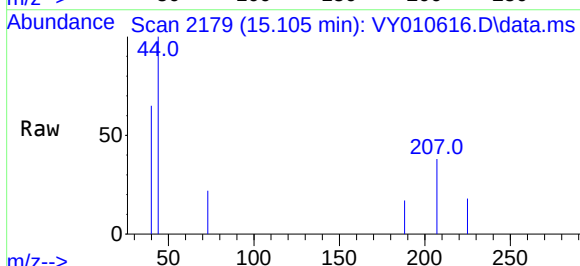
Tgt Ion:225 Resp: 98

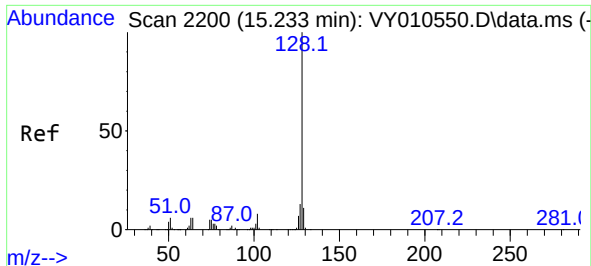
Ion Ratio Lower Upper

225 100

223 0.0 30.8 92.3#

227 0.0 31.6 94.7#





#95

Naphthalene

Concen: 3.372 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.012 min

Lab File: VY010616.D

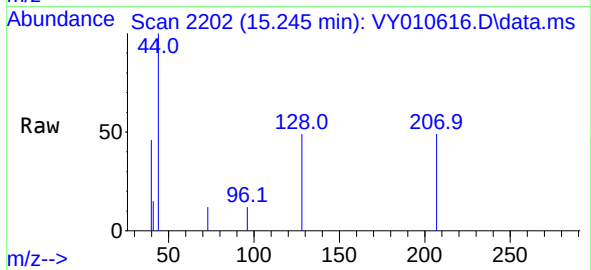
Acq: 22 Sep 2022 12:45

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-091922RE



Tgt Ion:	128	Resp:	555
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

