

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072222\
 Data File : VY009661.D
 Acq On : 22 Jul 2022 15:48
 Operator : KP/MD
 Sample : N3773-18RE
 Misc : 6.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DL-3(14.5-15)RE

Quant Time: Jul 23 00:54:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

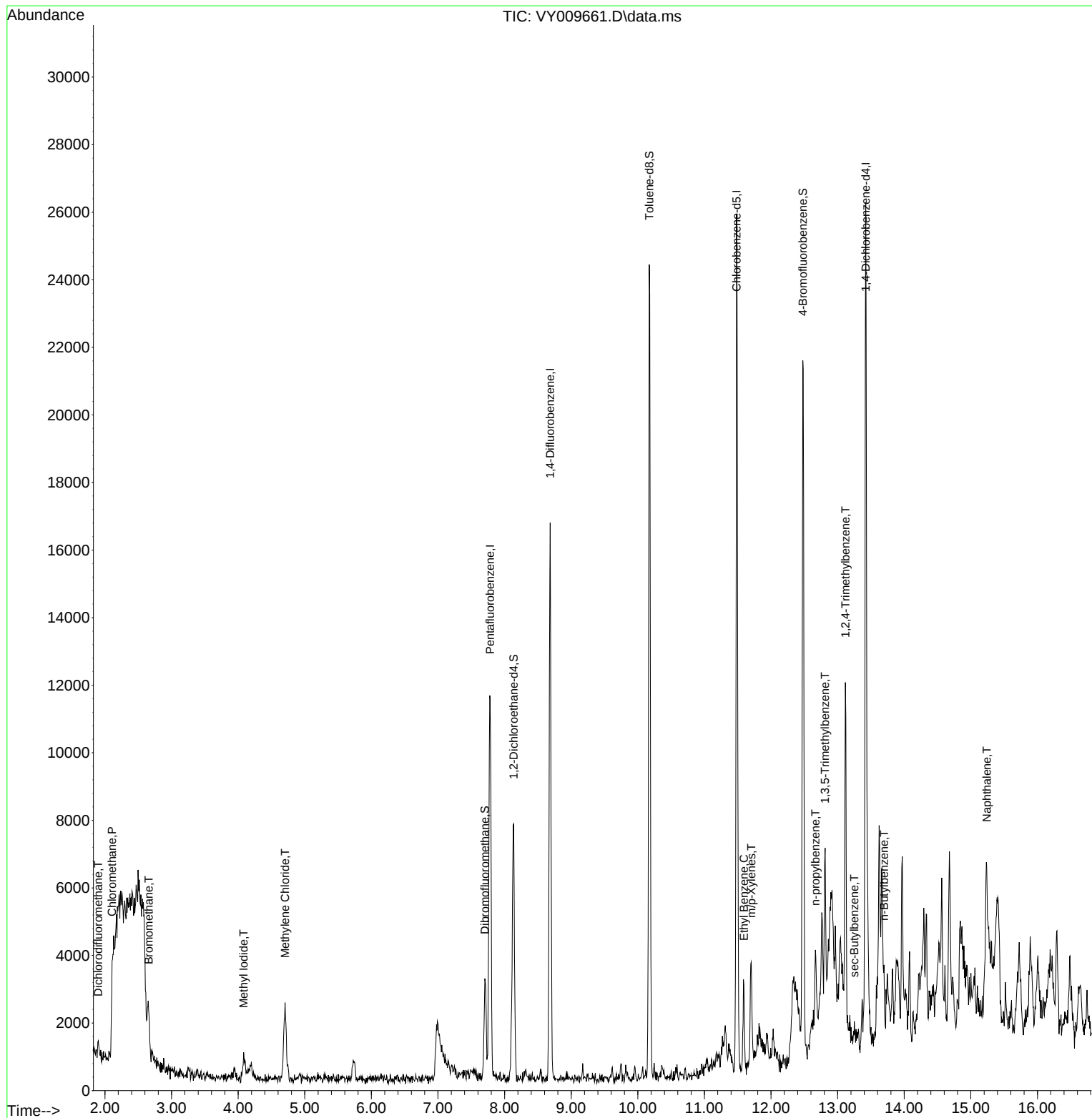
Internal Standards						
1) Pentafluorobenzene	7.783	168	10031	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	14170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	13977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	6455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	5402	56.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.880%	
35) Dibromofluoromethane	7.703	113	2222	24.891	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 49.780%#	
50) Toluene-d8	10.173	98	16345	47.628	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 95.260%	
62) 4-Bromofluorobenzene	12.477	95	5695	51.213	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 102.420%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	301	3.420	ug/l	99
3) Chloromethane	2.107	50	605	4.638	ug/l	94
5) Bromomethane	2.656	94	737	7.983	ug/l	90
10) Methyl Iodide	4.082	142	1297	10.330	ug/l #	73
20) Methylene Chloride	4.704	84	1779	6.082	ug/l #	78
67) Ethyl Benzene	11.593	91	1874	3.731	ug/l #	81
68) m/p-Xylenes	11.703	106	1012	5.062	ug/l	92
78) n-propylbenzene	12.666	91	2207	4.087	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	2036	5.513	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	5281	14.299	ug/l	90
85) sec-Butylbenzene	13.251	105	625	1.285	ug/l	96
89) n-Butylbenzene	13.696	91	808	2.164	ug/l #	83
95) Naphthalene	15.239	128	4111	17.664	ug/l #	90

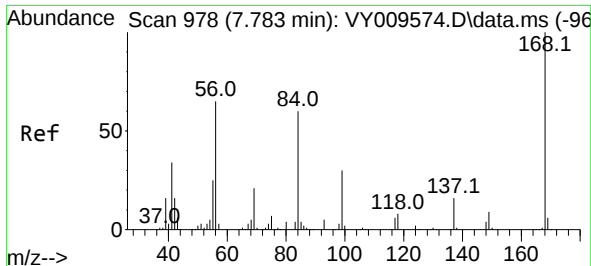
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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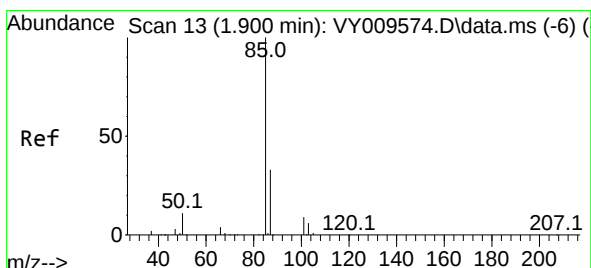
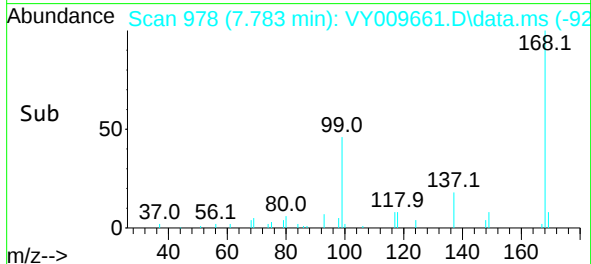
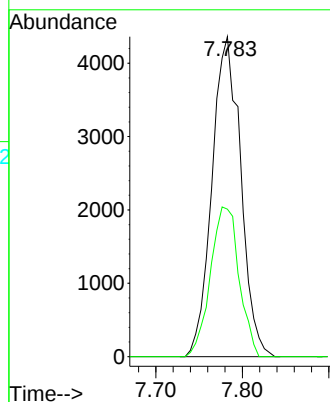
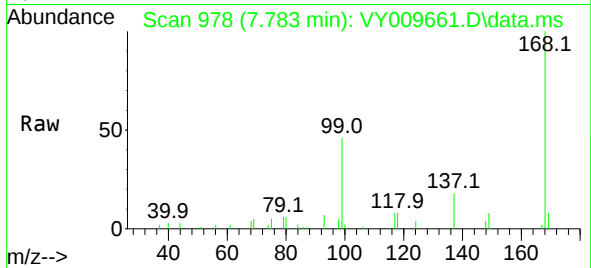




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

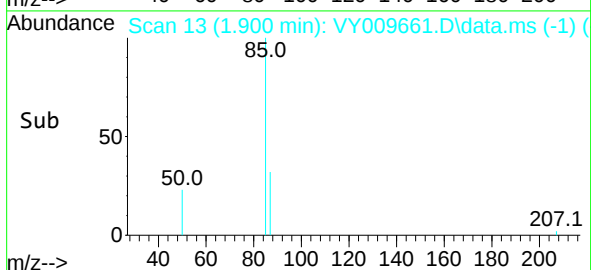
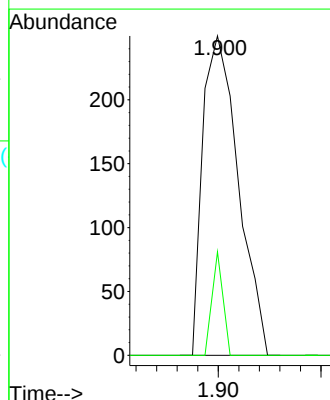
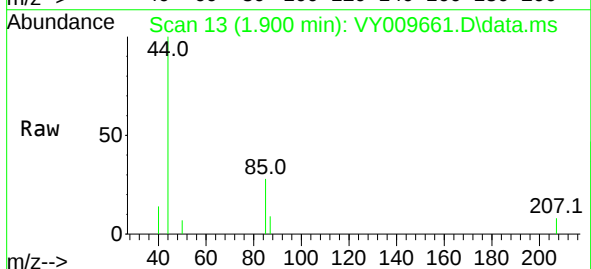
Instrument :
MSVOA_Y
ClientSampleId :
DL-3(14.5-15)RE

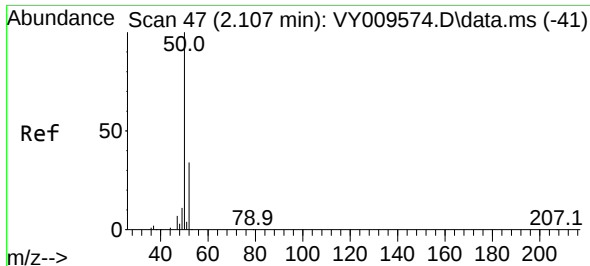
Tgt Ion:168 Resp: 10031
Ion Ratio Lower Upper
168 100
99 46.1 46.9 70.3#



#2
Dichlorodifluoromethane
Concen: 3.420 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

Tgt Ion: 85 Resp: 301
Ion Ratio Lower Upper
85 100
87 32.4 16.1 48.2

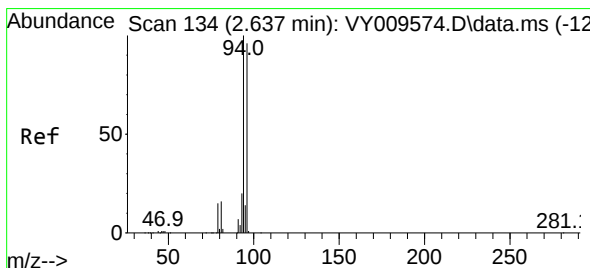
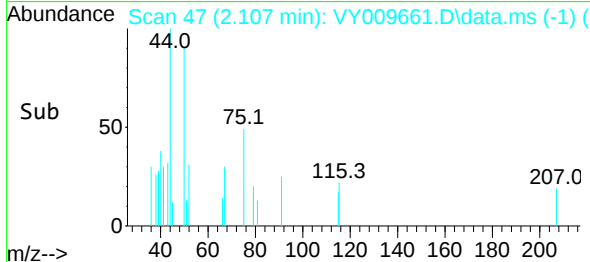
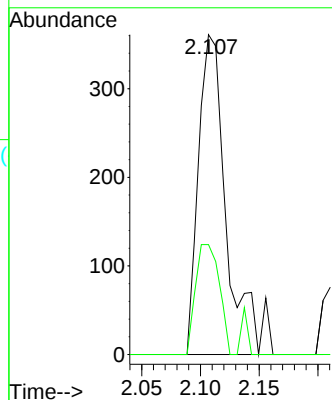
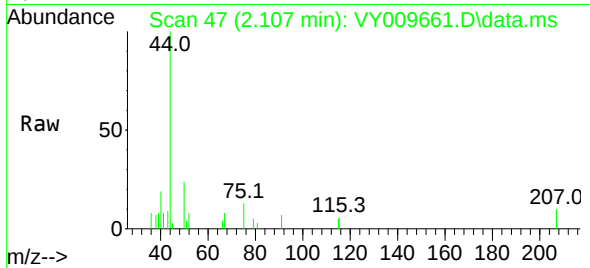




#3
Chloromethane
Concen: 4.638 ug/l
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

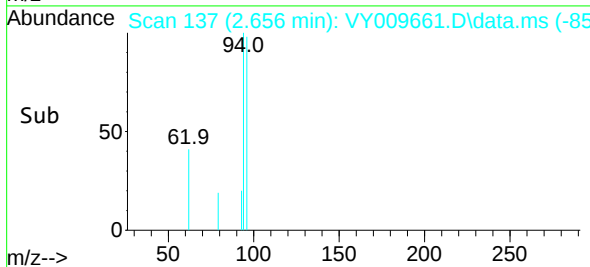
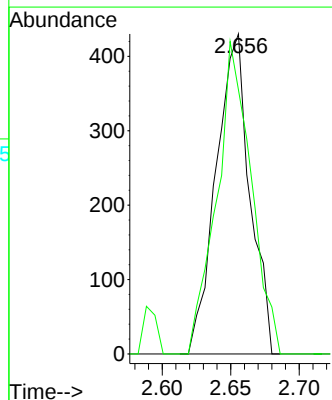
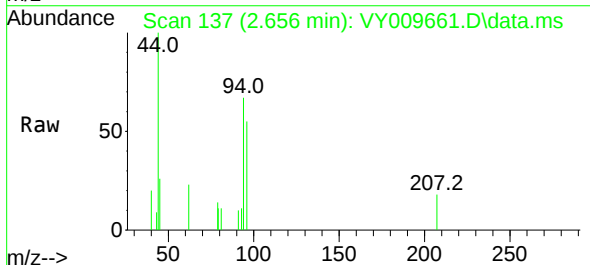
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DL-3(14.5-15)RE

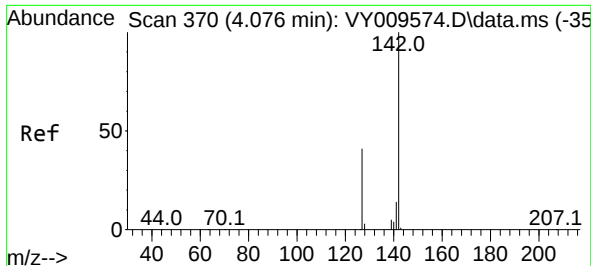
Tgt Ion: 50 Resp: 605
Ion Ratio Lower Upper
50 100
52 34.3 24.6 37.0



#5
Bromomethane
Concen: 7.983 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.018 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

Tgt Ion: 94 Resp: 737
Ion Ratio Lower Upper
94 100
96 82.6 73.5 110.3

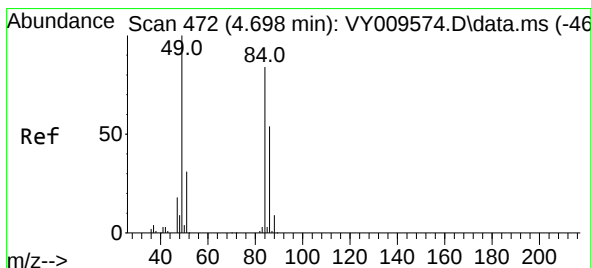
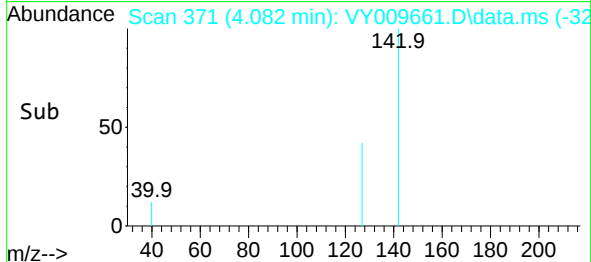
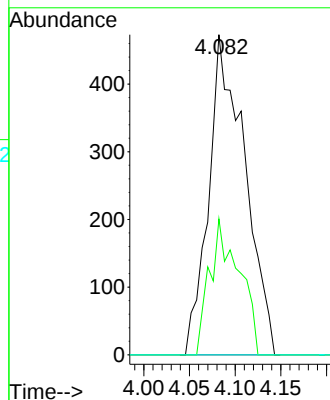
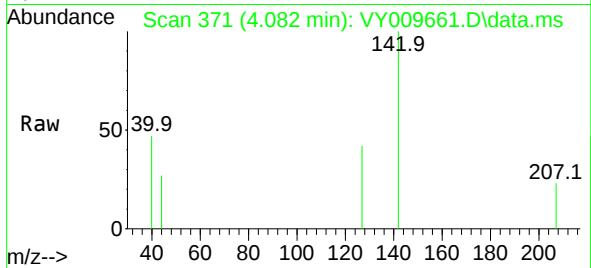




#10
Methyl Iodide
Concen: 10.330 ug/l
RT: 4.082 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

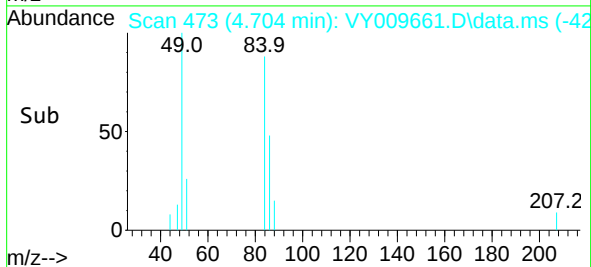
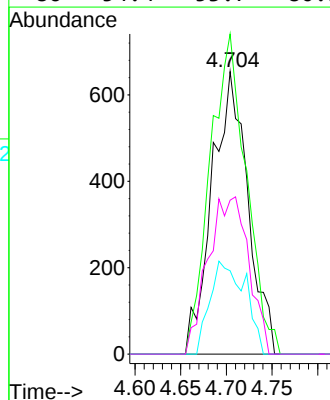
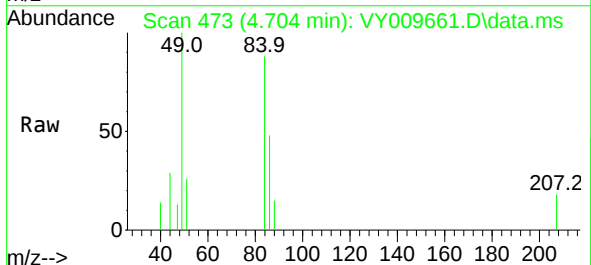
Instrument :
MSVOA_Y
ClientSampleId :
DL-3(14.5-15)RE

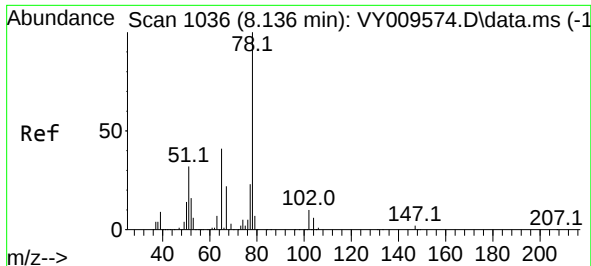
Tgt Ion:142 Resp: 1297
Ion Ratio Lower Upper
142 100
127 34.7 41.5 62.3#
141 0.0 11.9 17.9#



#20
Methylene Chloride
Concen: 6.082 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

Tgt Ion: 84 Resp: 1779
Ion Ratio Lower Upper
84 100
49 113.3 114.4 171.6#
51 29.5 35.3 52.9#
86 54.4 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 56.942 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY009661.D

Acq: 22 Jul 2022 15:48

Instrument :

MSVOA_Y

ClientSampleId :

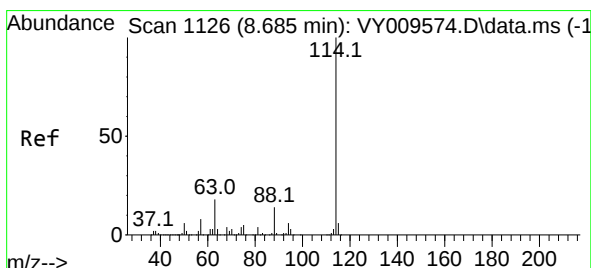
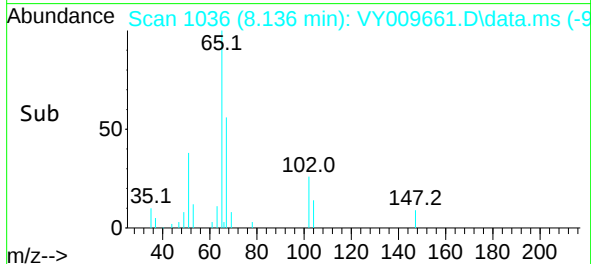
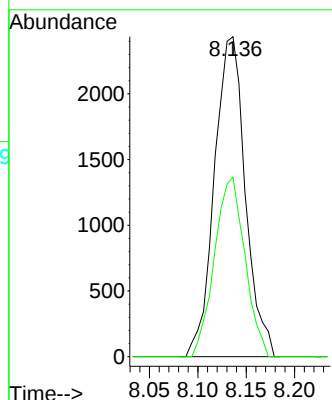
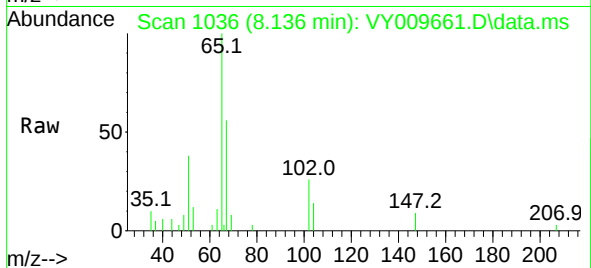
DL-3(14.5-15)RE

Tgt Ion: 65 Resp: 5402

Ion Ratio Lower Upper

65 100

67 55.2 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: VY009661.D

Acq: 22 Jul 2022 15:48

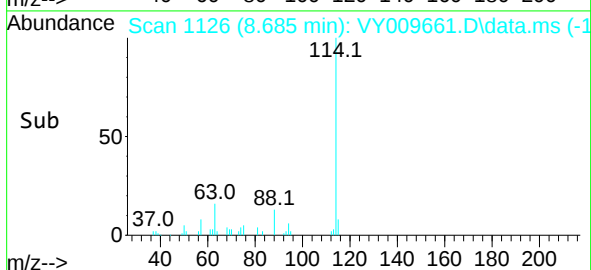
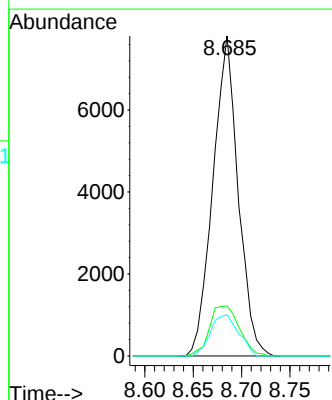
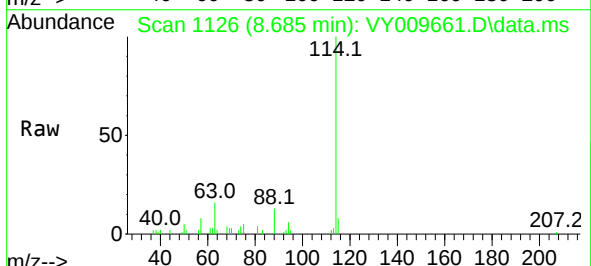
Tgt Ion: 114 Resp: 14170

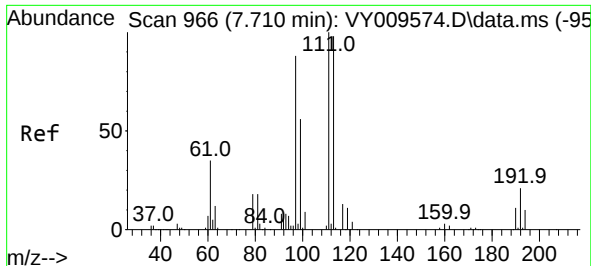
Ion Ratio Lower Upper

114 100

63 15.6 0.0 43.2

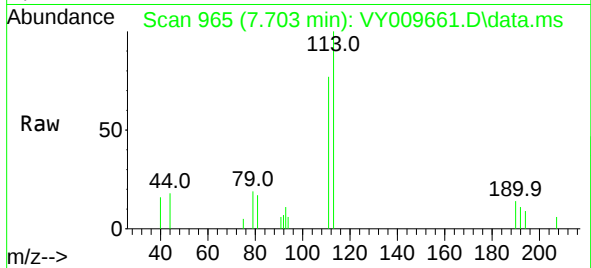
88 12.8 0.0 31.8



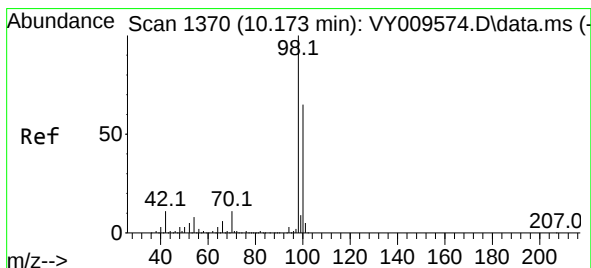
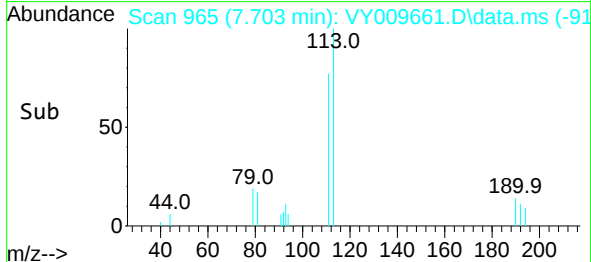
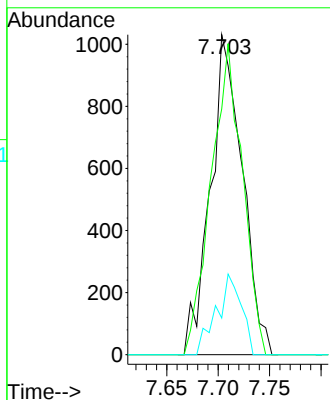


#35
 Dibromofluoromethane
 Concen: 24.891 ug/l
 RT: 7.703 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VY009661.D
 Acq: 22 Jul 2022 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 DL-3(14.5-15)RE

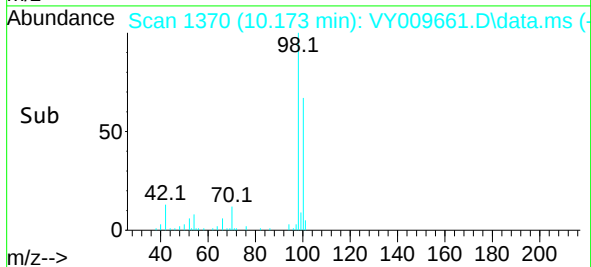
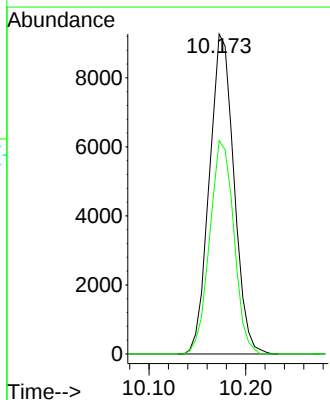
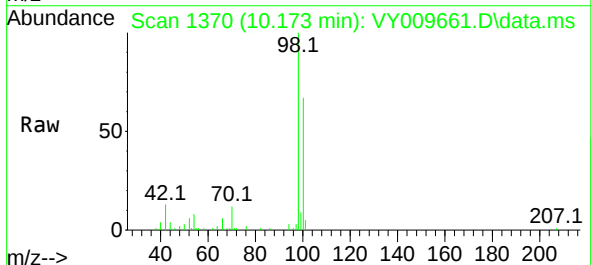


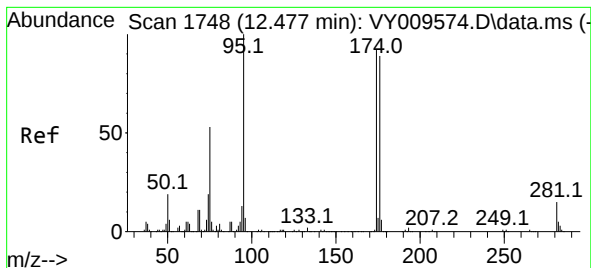
Tgt Ion:113	Resp:	2222	
Ion	Ratio	Lower	Upper
113	100		
111	95.7	82.6	124.0
192	19.5	17.6	26.4



#50
 Toluene-d8
 Concen: 47.628 ug/l
 RT: 10.173 min Scan# 1370
 Delta R.T. -0.000 min
 Lab File: VY009661.D
 Acq: 22 Jul 2022 15:48

Tgt Ion: 98	Resp:	16345	
Ion Ratio	Lower	Upper	
98 100			
100 65.7	50.2	75.2	

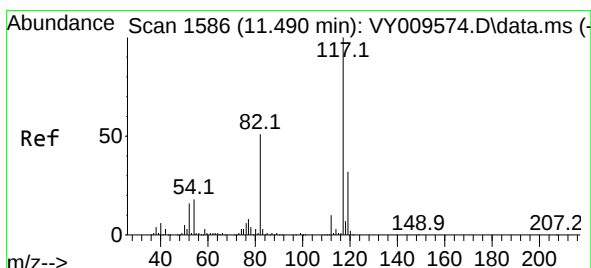
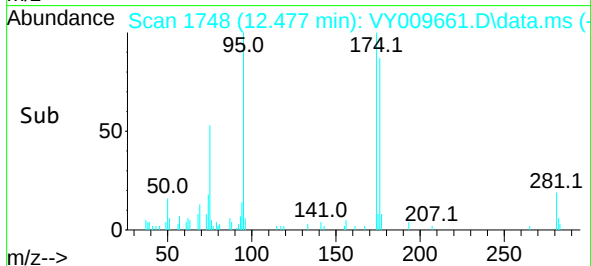
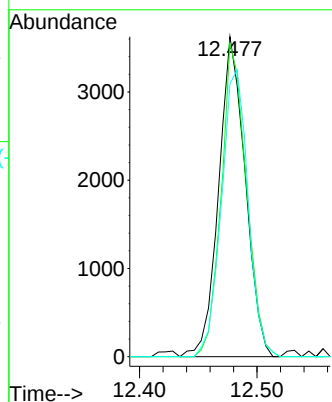
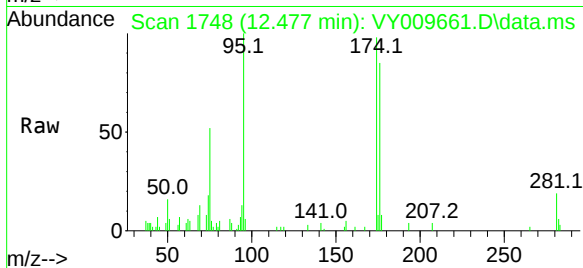




#62
4-Bromofluorobenzene
Concen: 51.213 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

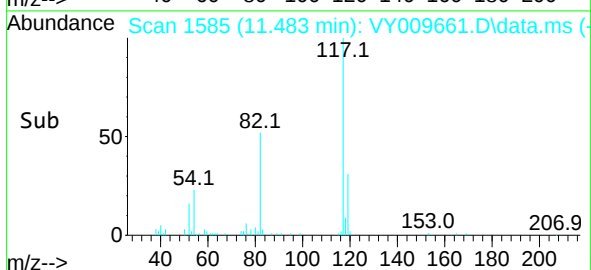
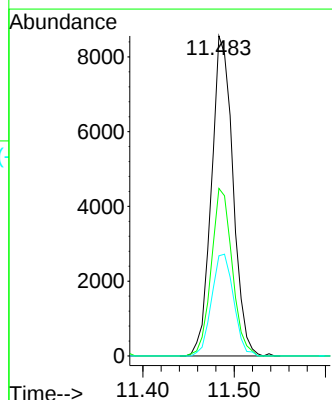
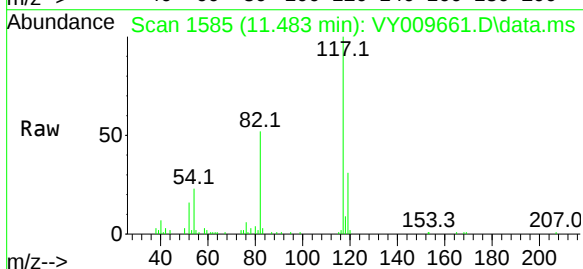
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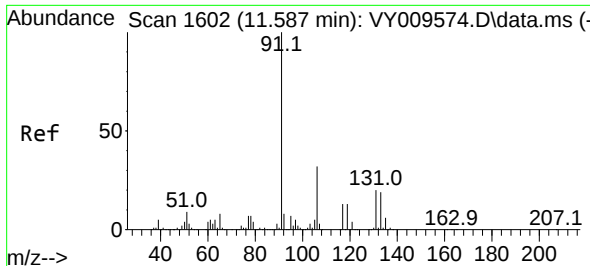
Tgt Ion:	95	Resp:	5695
Ion Ratio	Lower	Upper	
95	100		
174	92.7	0.0	177.0
176	89.9	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

Tgt Ion:	117	Resp:	13977
Ion Ratio	Lower	Upper	
117	100		
82	52.3	43.0	64.4
119	31.3	25.4	38.0

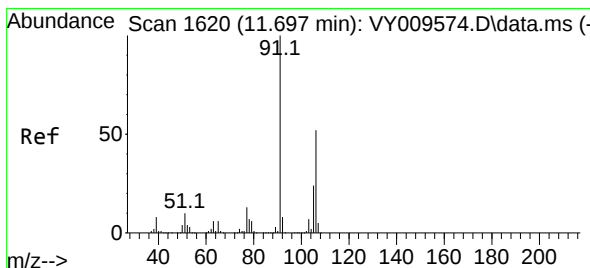
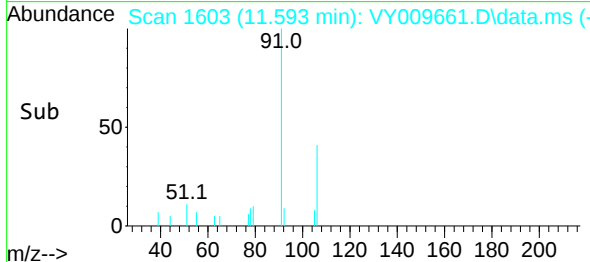
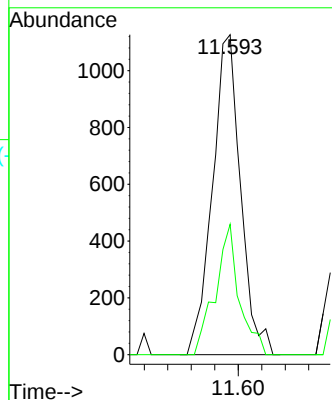
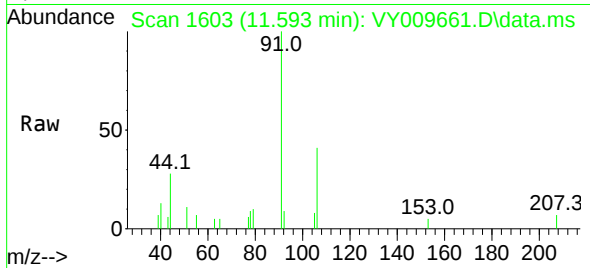




#67
Ethyl Benzene
Concen: 3.731 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

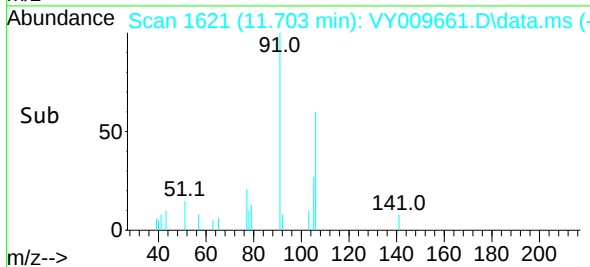
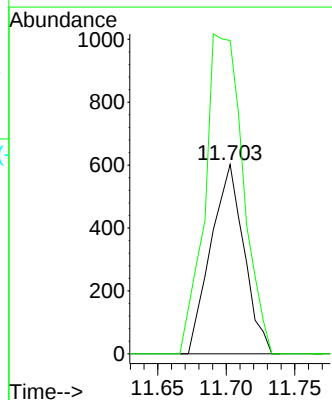
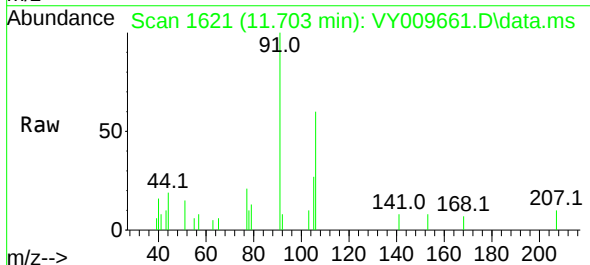
Instrument :
MSVOA_Y
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DL-3(14.5-15)RE

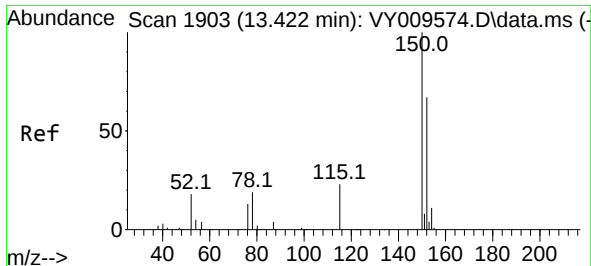
Tgt Ion: 91 Resp: 1874
Ion Ratio Lower Upper
91 100
106 40.7 24.5 36.7#



#68
m/p-Xylenes
Concen: 5.062 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

Tgt Ion:106 Resp: 1012
Ion Ratio Lower Upper
106 100
91 195.1 166.6 249.8

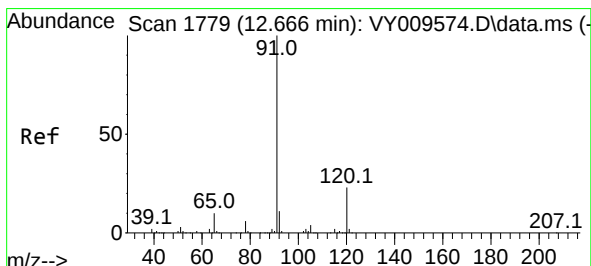
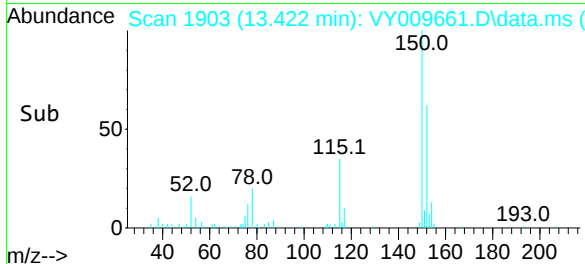
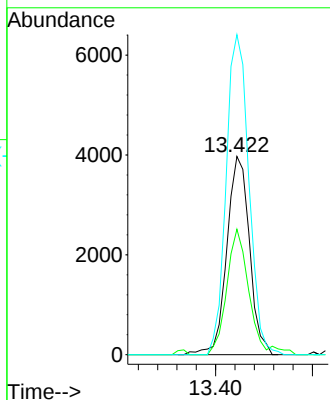
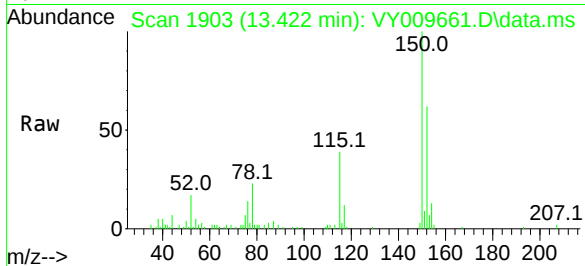




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

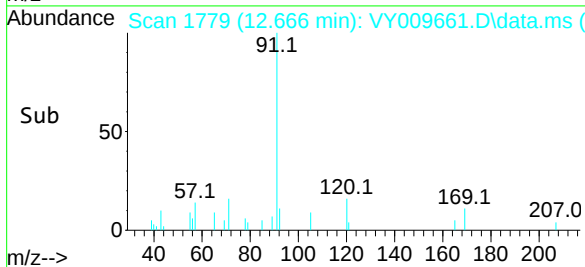
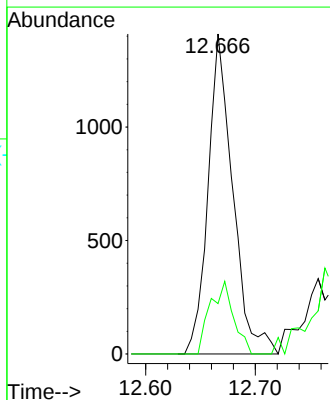
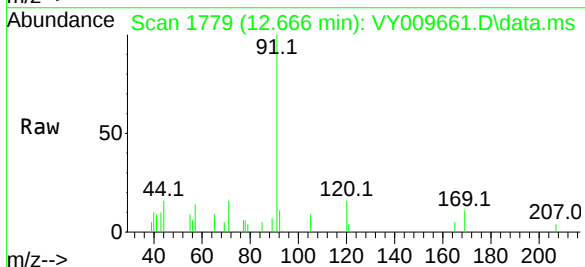
Instrument :
MSVOA_Y
ClientSampleId :
DL-3(14.5-15)RE

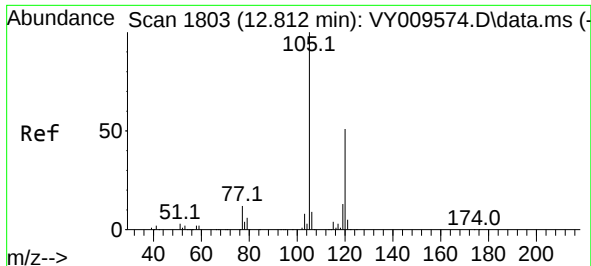
Tgt Ion:152 Resp: 6455
Ion Ratio Lower Upper
152 100
115 62.5 28.2 84.7
150 161.6 0.0 347.6



#78
n-propylbenzene
Concen: 4.087 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

Tgt Ion: 91 Resp: 2207
Ion Ratio Lower Upper
91 100
120 21.5 11.3 33.9

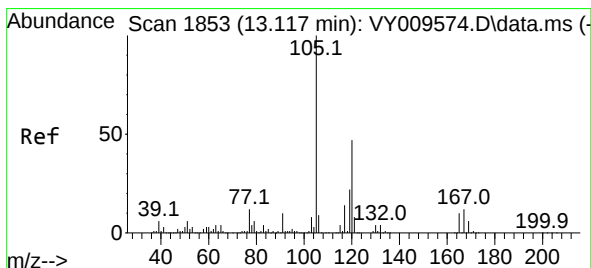
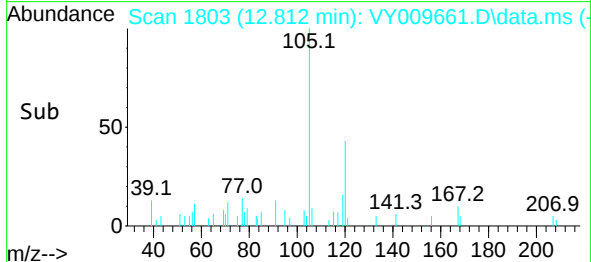
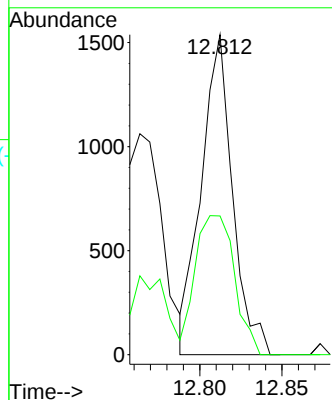
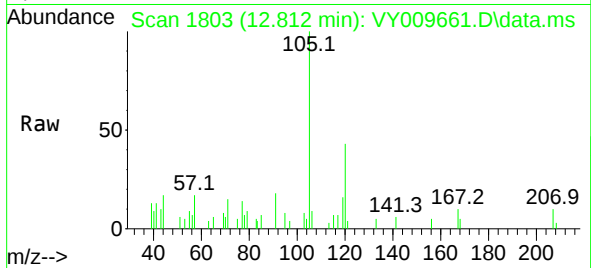




#80
1,3,5-Trimethylbenzene
Concen: 5.513 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

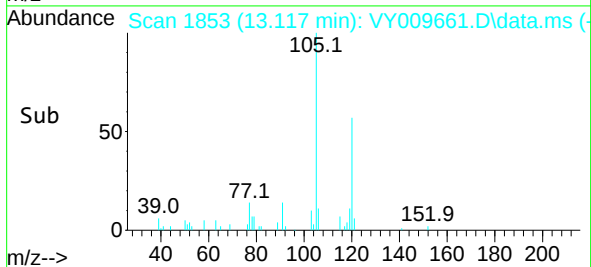
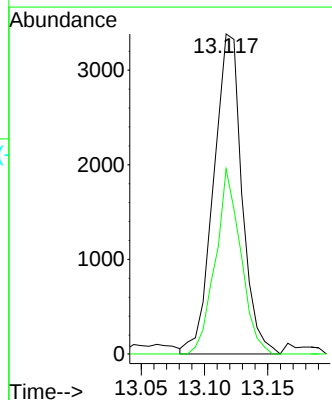
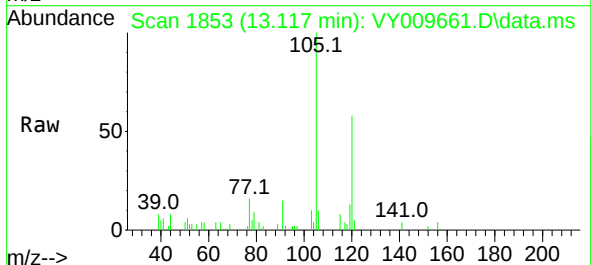
Instrument :
MSVOA_Y
ClientSampleId :
DL-3(14.5-15)RE

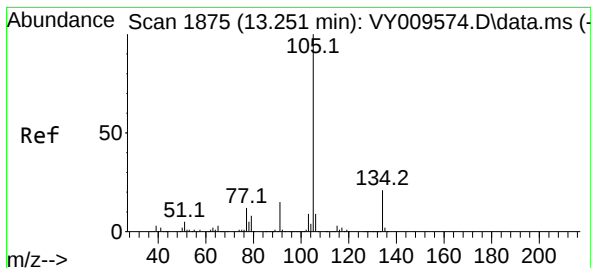
Tgt Ion:105 Resp: 2036
Ion Ratio Lower Upper
105 100
120 54.5 24.4 73.4



#84
1,2,4-Trimethylbenzene
Concen: 14.299 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

Tgt Ion:105 Resp: 5281
Ion Ratio Lower Upper
105 100
120 51.4 22.3 66.9





#85

sec-Butylbenzene

Concen: 1.285 ug/l

RT: 13.251 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009661.D

Acq: 22 Jul 2022 15:48

Instrument :

MSVOA_Y

ClientSampleId :

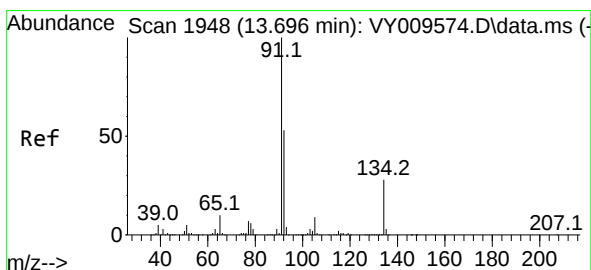
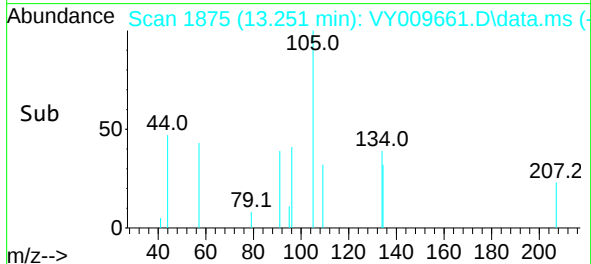
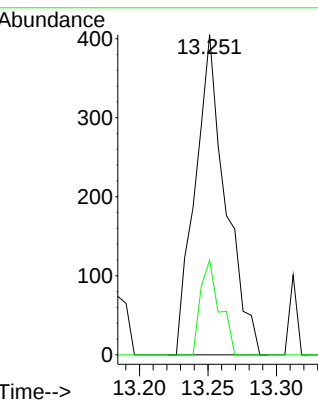
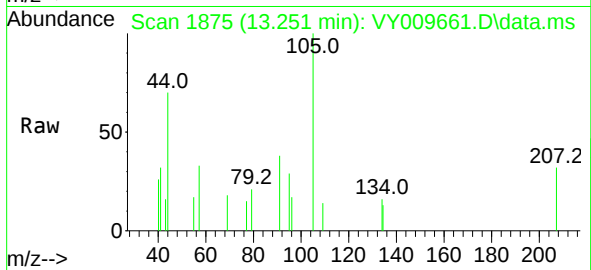
DL-3(14.5-15)RE

Tgt Ion:105 Resp: 625

Ion Ratio Lower Upper

105 100

134 18.6 10.2 30.4



#89

n-Butylbenzene

Concen: 2.164 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY009661.D

Acq: 22 Jul 2022 15:48

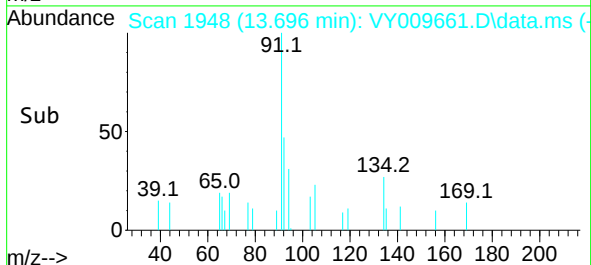
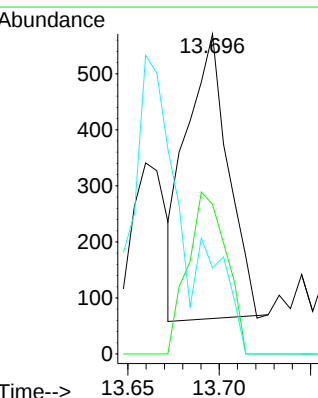
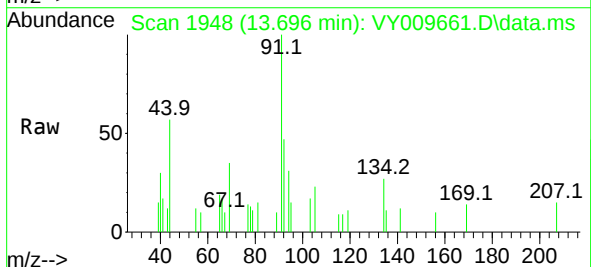
Tgt Ion: 91 Resp: 808

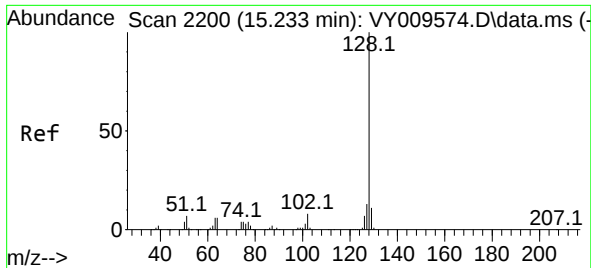
Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

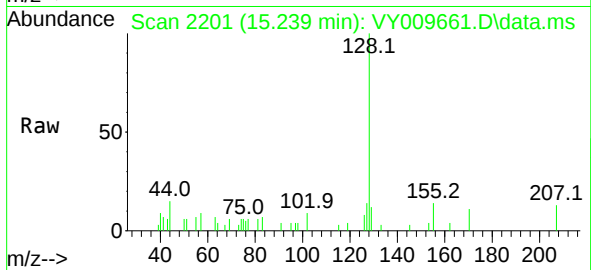
134 0.0 13.0 38.9#





#95
Naphthalene
Concen: 17.664 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY009661.D
Acq: 22 Jul 2022 15:48

Instrument :
MSVOA_Y
ClientSampleId :
DL-3(14.5-15)RE



Tgt Ion:128 Resp: 4111
Ion Ratio Lower Upper
128 100
127 17.4 11.0 16.4#
129 14.4 8.4 12.6#

