

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042122\
 Data File : VY008447.D
 Acq On : 21 Apr 2022 17:49
 Operator : KP/MD
 Sample : N2476-05
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 05:26:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

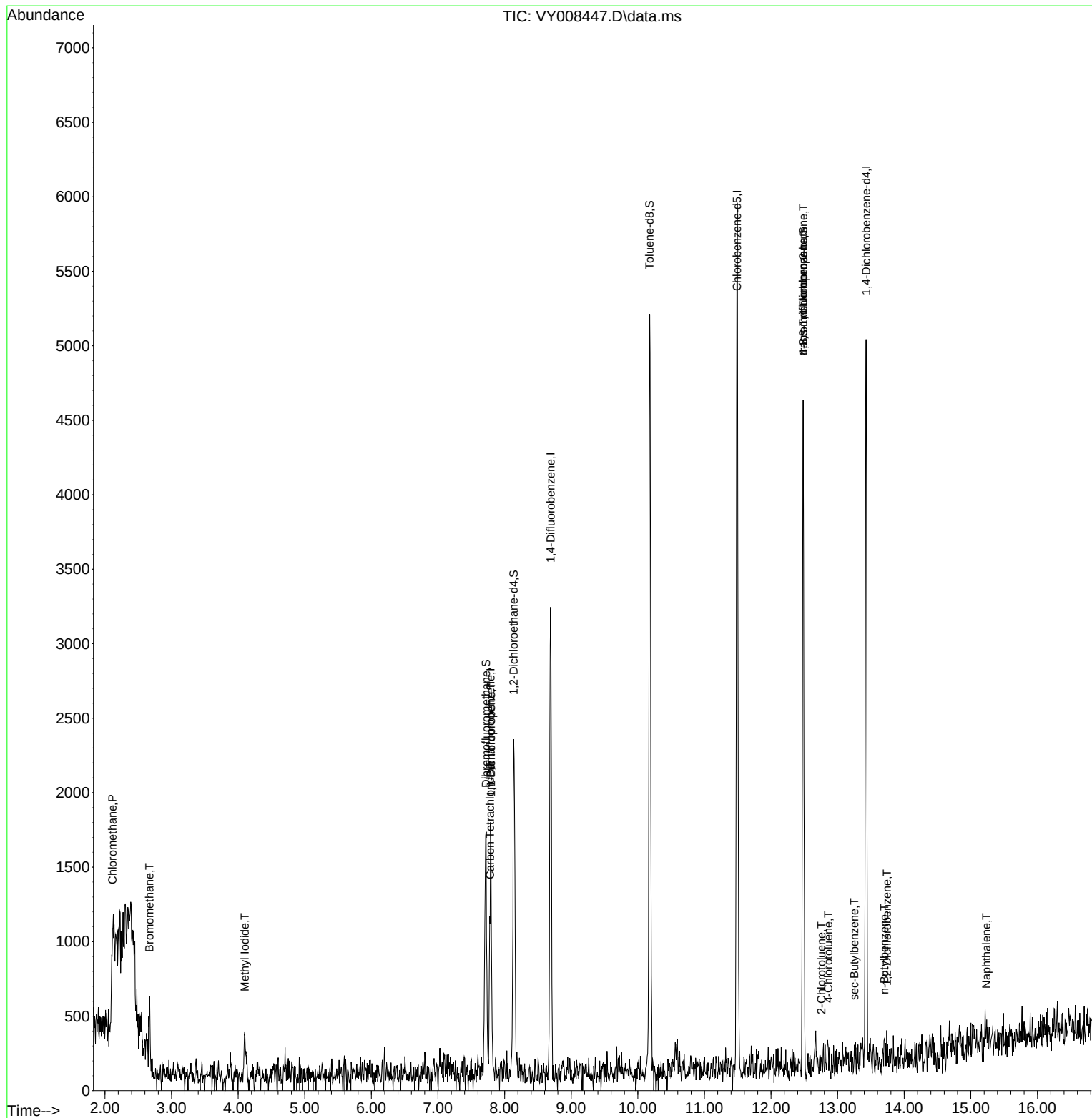
Internal Standards						
1) Pentafluorobenzene	7.789	168	1553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	3254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	3433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	1740	95.223	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 190.440%#	
35) Dibromofluoromethane	7.722	113	1142	54.379	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.760%	
50) Toluene-d8	10.179	98	3745	44.976	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 89.960%	
62) 4-Bromofluorobenzene	12.483	95	1551	54.847	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.700%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	241	10.860	ug/l #	44
5) Bromomethane	2.668	94	256	9.548	ug/l	98
10) Methyl Iodide	4.101	142	445	20.043	ug/l #	61
20) Methylene Chloride	4.716	84	19	Below Cal	#	1
36) 1,1-Dichloropropene	7.795	75	44	1.317	ug/l #	42
38) Carbon Tetrachloride	7.783	117	62	1.786	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	879	49.686	ug/l #	100
79) 2-Chlorotoluene	12.758	91	95	1.358	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.483	75	879	115.265	ug/l #	7
82) 4-Chlorotoluene	12.861	91	83	1.145	ug/l #	41
85) sec-Butylbenzene	13.251	105	127	1.127	ug/l #	56
89) n-Butylbenzene	13.702	91	127	1.482	ug/l #	33
91) 1,2-Dichlorobenzene	13.739	146	95	2.111	ug/l #	24
95) Naphthalene	15.233	128	162	2.853	ug/l #	69

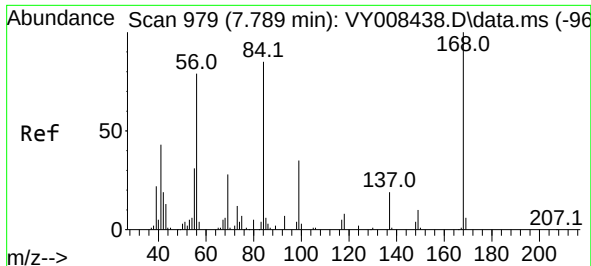
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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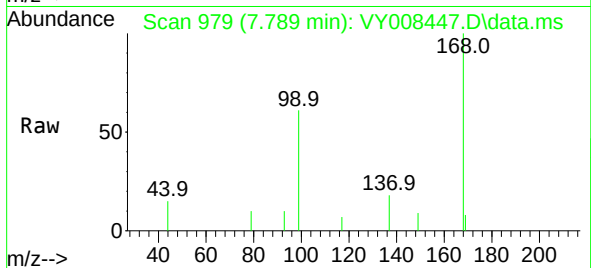
Quant Time: Apr 22 05:26:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260
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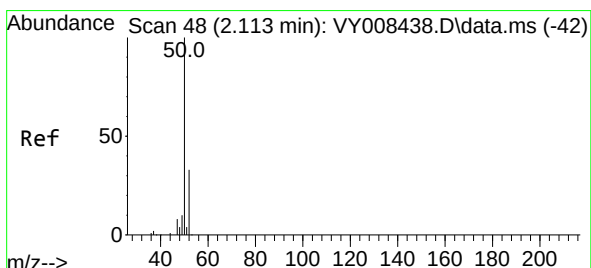
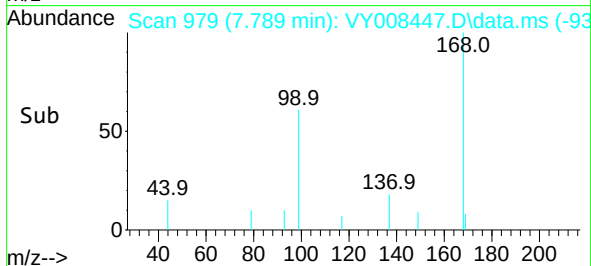
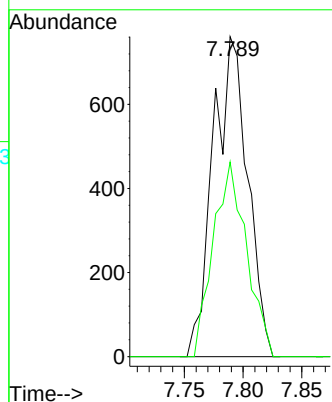


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :

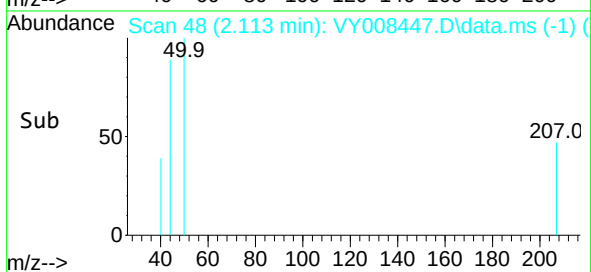
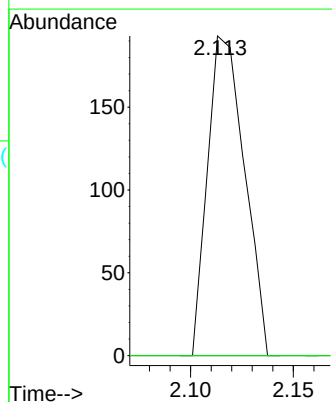
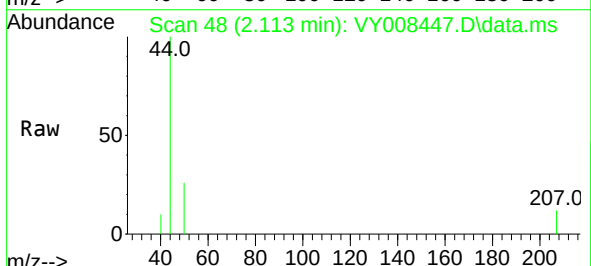


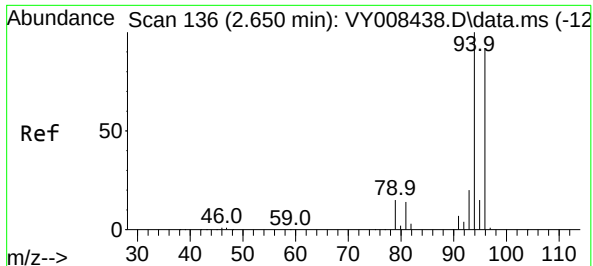
Tgt Ion:168 Resp: 1553
Ion Ratio Lower Upper
168 100
99 60.8 46.9 70.3



#3
Chloromethane
Concen: 10.860 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

Tgt Ion: 50 Resp: 241
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

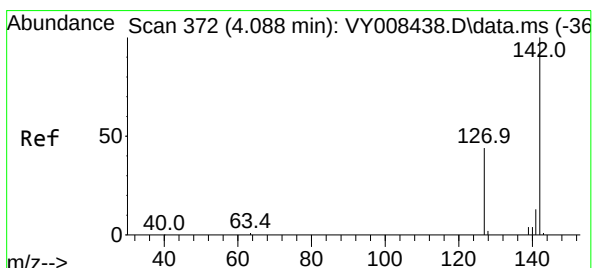
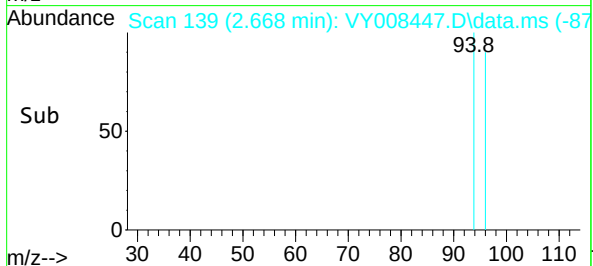
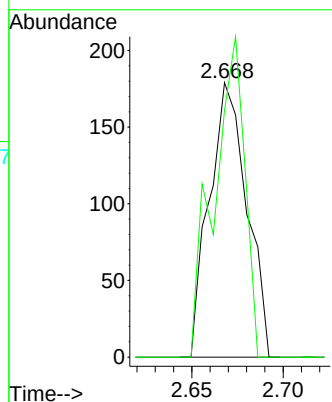
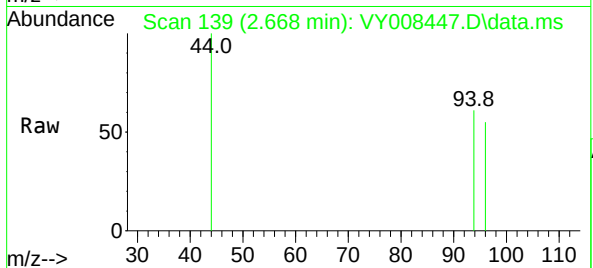




#5
Bromomethane
Concen: 9.548 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

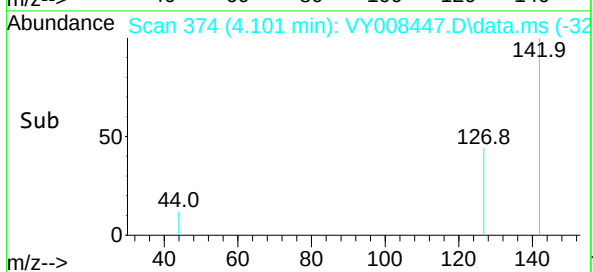
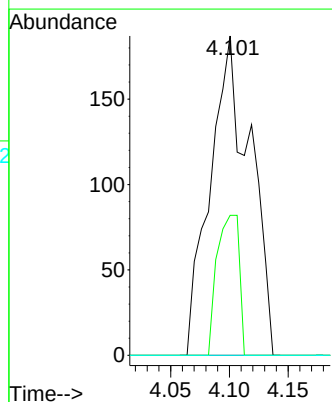
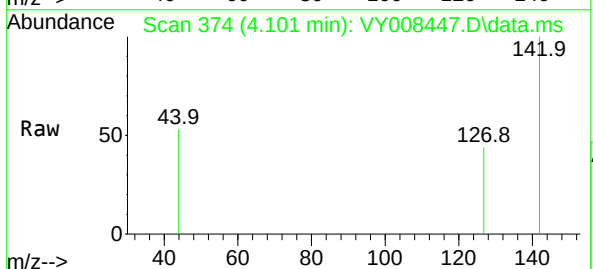
Instrument :
MSVOA_Y
ClientSampleId :

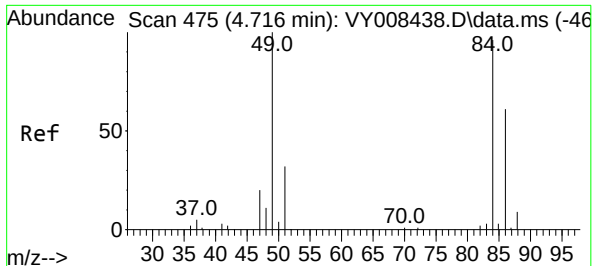
Tgt Ion: 94 Resp: 256
Ion Ratio Lower Upper
94 100
96 89.9 73.5 110.3



#10
Methyl Iodide
Concen: 20.043 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

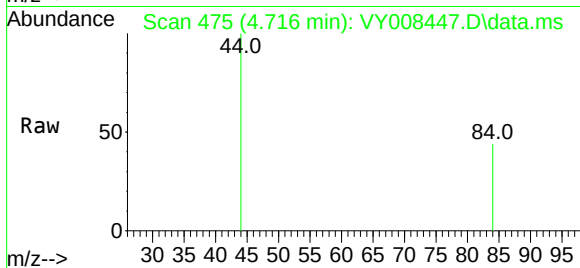
Tgt Ion: 142 Resp: 445
Ion Ratio Lower Upper
142 100
127 24.3 41.5 62.3#
141 0.0 11.9 17.9#





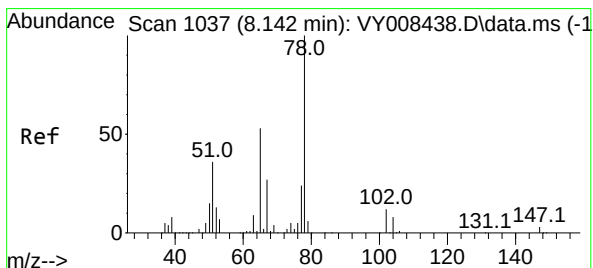
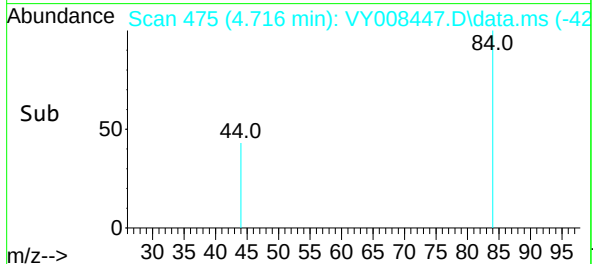
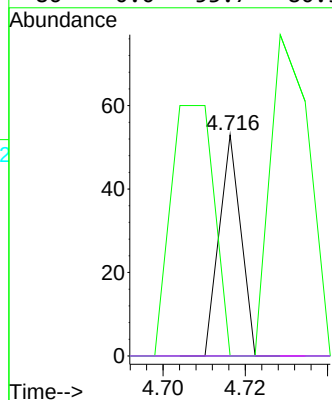
#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 19

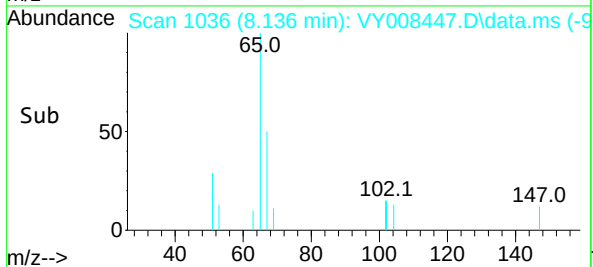
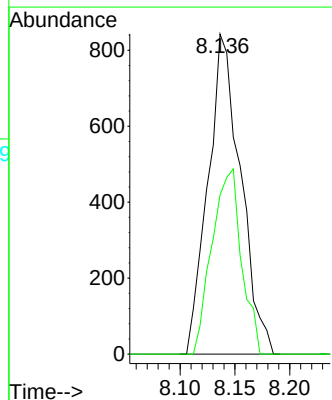
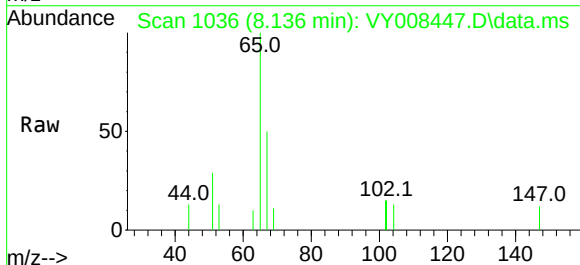
Ion	Ratio	Lower	Upper
84	100		
49	0.0	114.4	171.6#
51	0.0	35.3	52.9#
86	0.0	53.7	80.5#

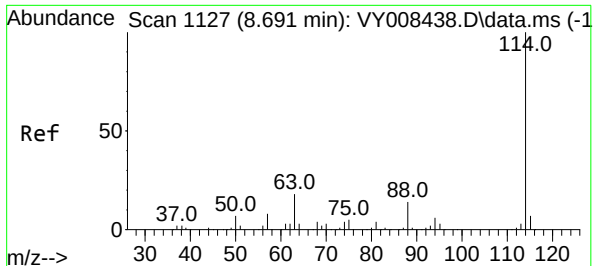


#33
1,2-Dichloroethane-d4
Concen: 95.223 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

Tgt Ion: 65 Resp: 1740

Ion	Ratio	Lower	Upper
65	100		
67	52.5	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: VY008447.D

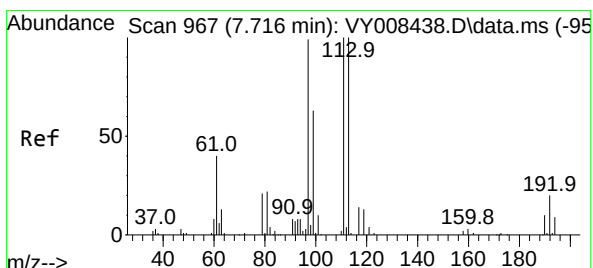
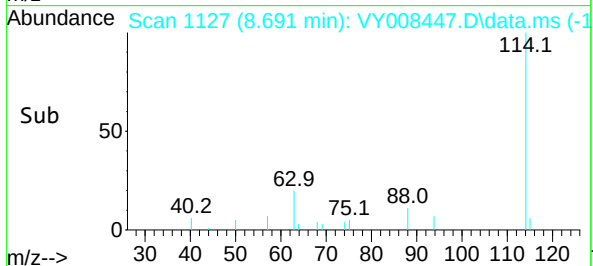
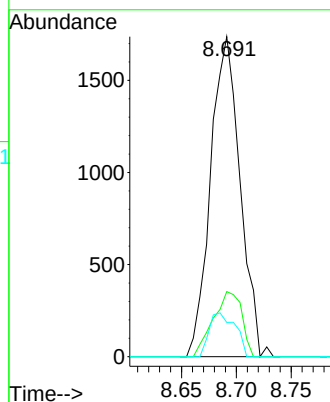
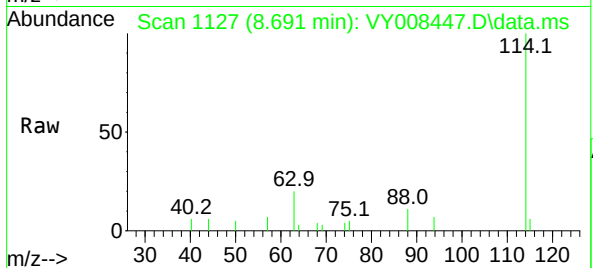
Acq: 21 Apr 2022 17:49

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	3254
Ion	Ratio	Lower Upper
114	100	
63	20.4	0.0 43.2
88	10.7	0.0 31.8



#35

Dibromofluoromethane

Concen: 54.379 ug/l

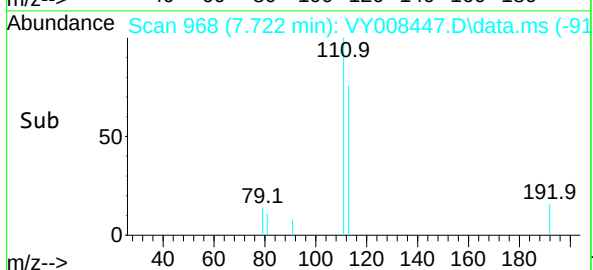
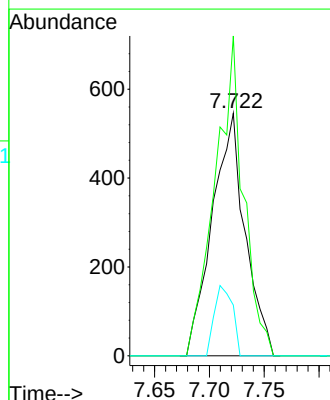
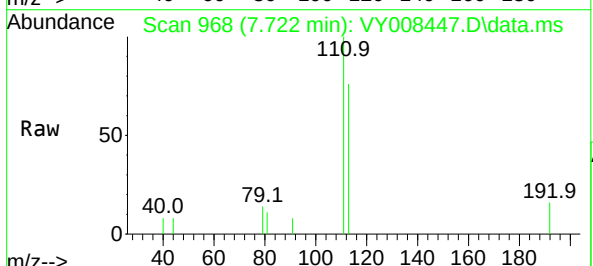
RT: 7.722 min Scan# 968

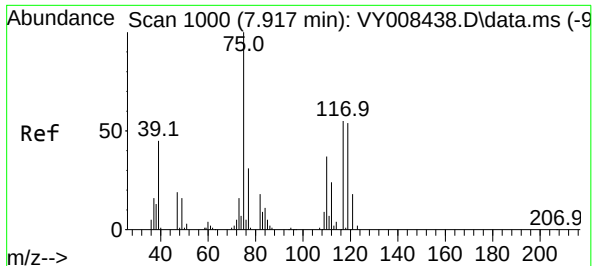
Delta R.T. 0.006 min

Lab File: VY008447.D

Acq: 21 Apr 2022 17:49

Tgt Ion:113	Resp:	1142
Ion	Ratio	Lower Upper
113	100	
111	113.9	82.6 124.0
192	15.9	17.6 26.4





#36

1,1-Dichloropropene

Concen: 1.317 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

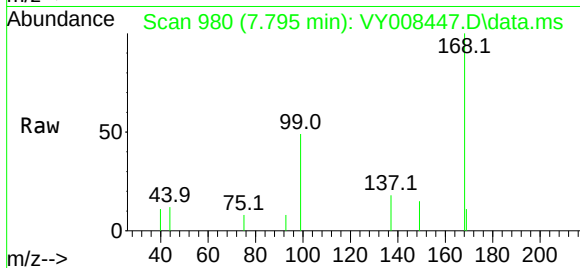
Lab File: VY008447.D

Acq: 21 Apr 2022 17:49

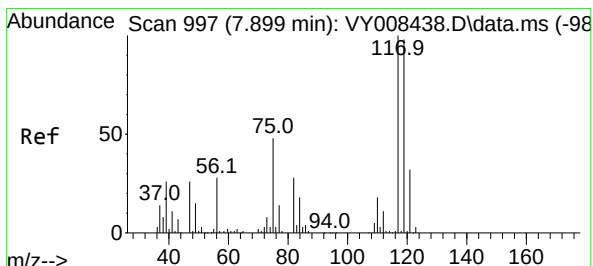
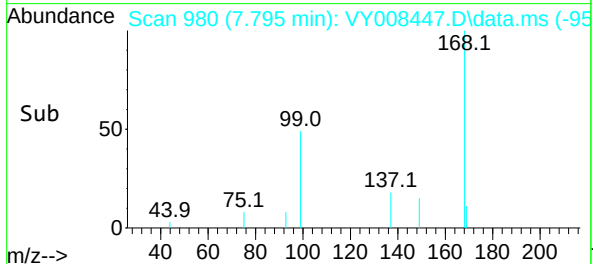
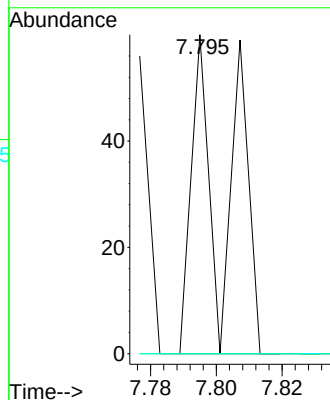
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 44
Ion Ratio	Lower Upper
75	100
110	0.0 17.1 51.2#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 1.786 ug/l

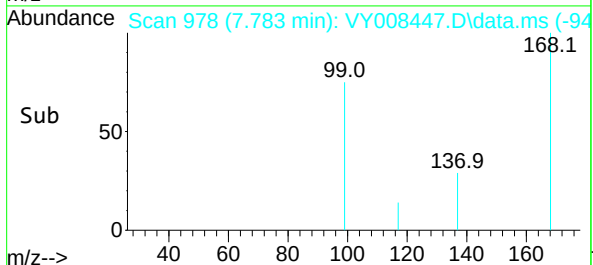
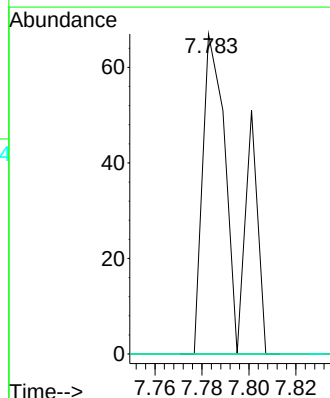
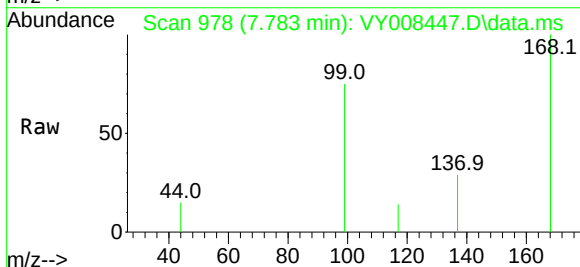
RT: 7.783 min Scan# 978

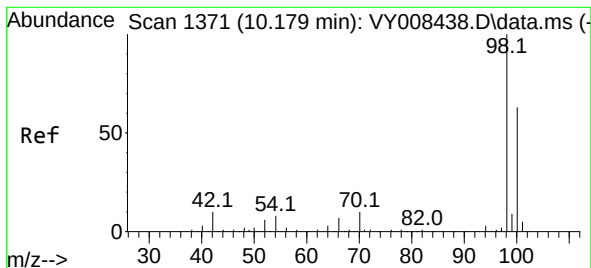
Delta R.T. -0.116 min

Lab File: VY008447.D

Acq: 21 Apr 2022 17:49

Tgt Ion: 117	Resp: 62
Ion Ratio	Lower Upper
117	100
119	0.0 77.9 116.9#
121	0.0 24.8 37.2#

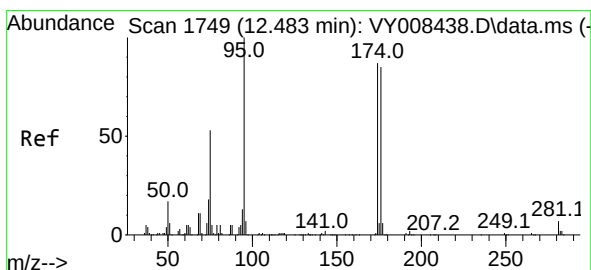
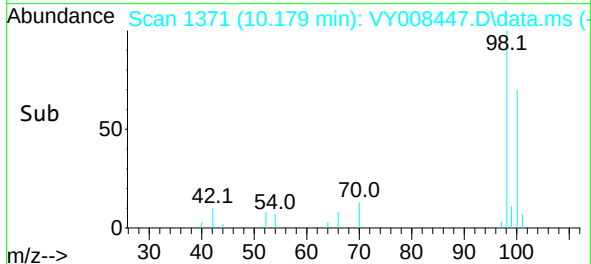
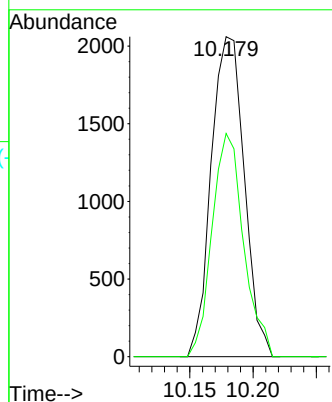
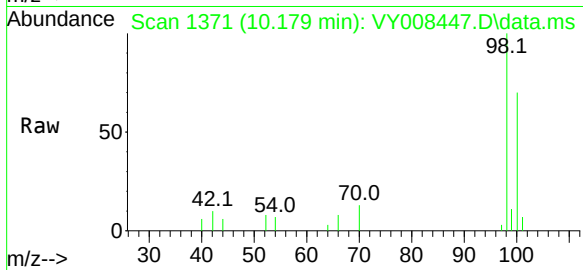




#50
Toluene-d8
Concen: 44.976 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

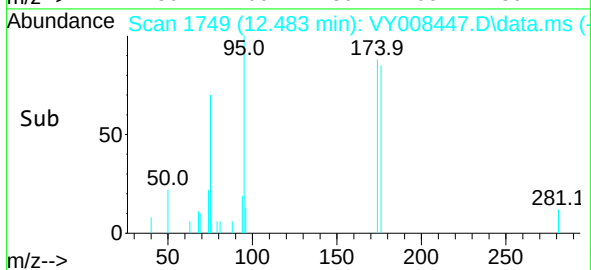
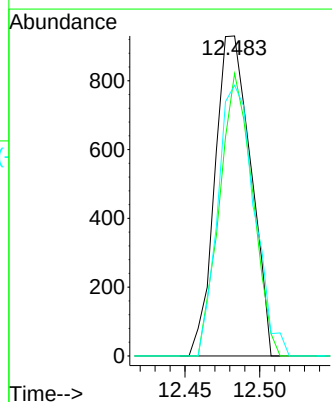
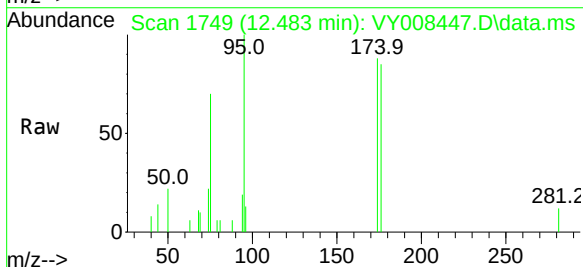
Instrument :
MSVOA_Y
ClientSampleId :

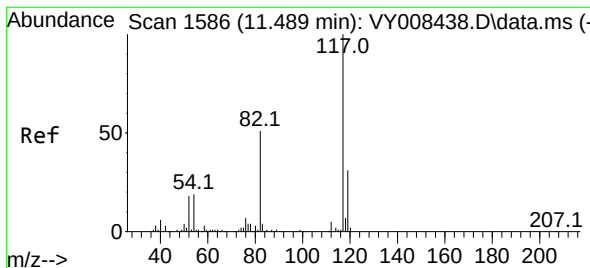
Tgt Ion: 98 Resp: 3745
Ion Ratio Lower Upper
98 100
100 66.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 54.847 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

Tgt Ion: 95 Resp: 1551
Ion Ratio Lower Upper
95 100
174 81.0 0.0 177.0
176 86.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

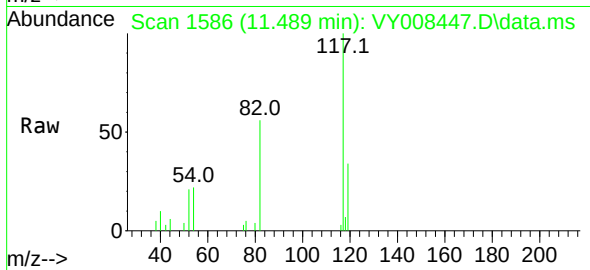
Lab File: VY008447.D

Acq: 21 Apr 2022 17:49

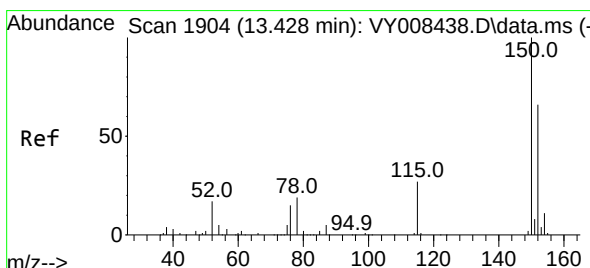
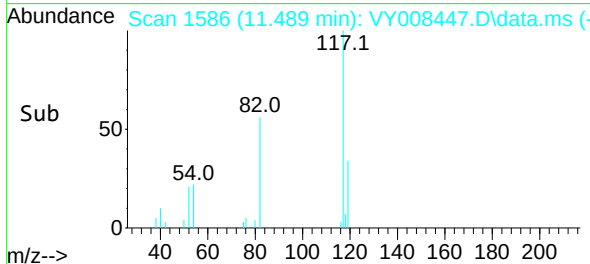
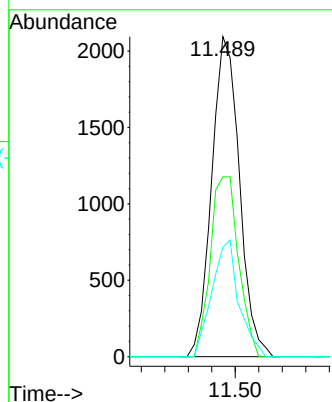
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:117	Resp:	3433
Ion	Ratio	Lower Upper
117	100	
82	56.2	43.0 64.4
119	34.2	25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

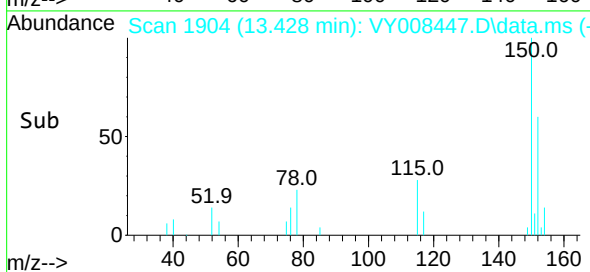
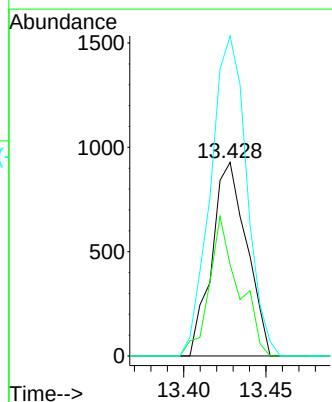
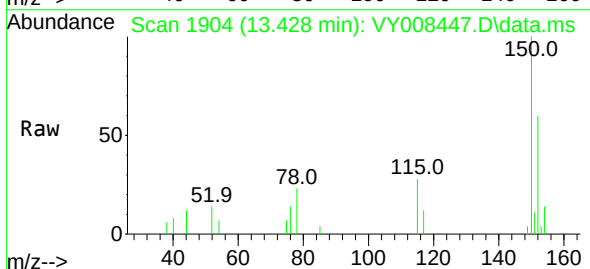
RT: 13.428 min Scan# 1904

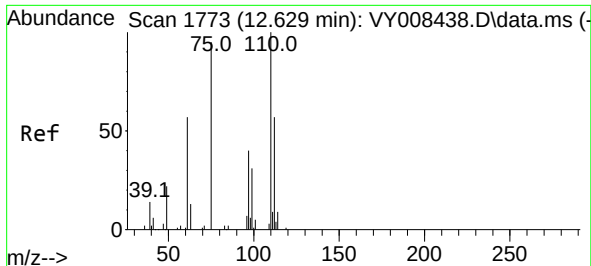
Delta R.T. 0.000 min

Lab File: VY008447.D

Acq: 21 Apr 2022 17:49

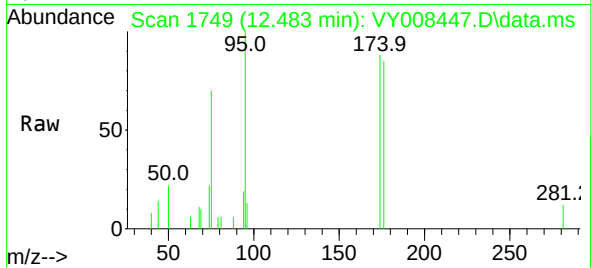
Tgt Ion:152	Resp:	1367
Ion	Ratio	Lower Upper
152	100	
115	60.6	28.2 84.7
150	171.3	0.0 347.6



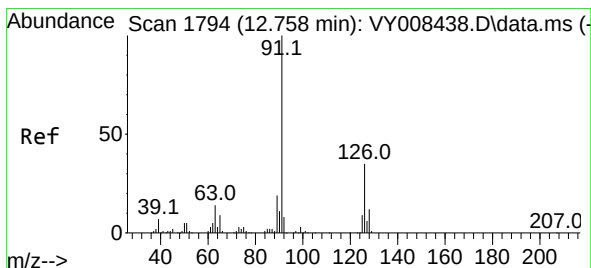
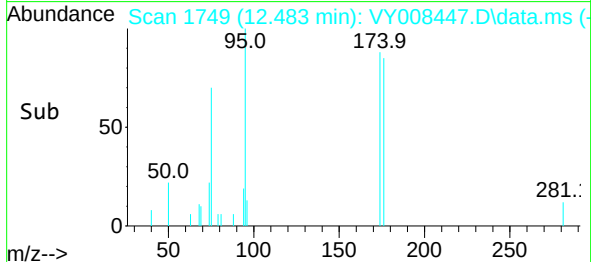
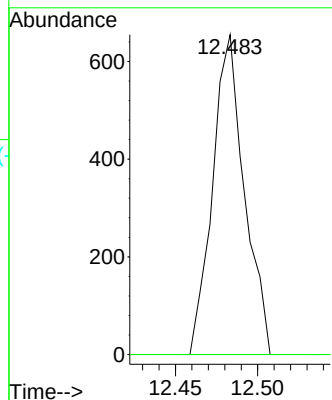


#76
1,2,3-Trichloropropane
Concen: 49.686 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

Instrument :
MSVOA_Y
ClientSampleId :

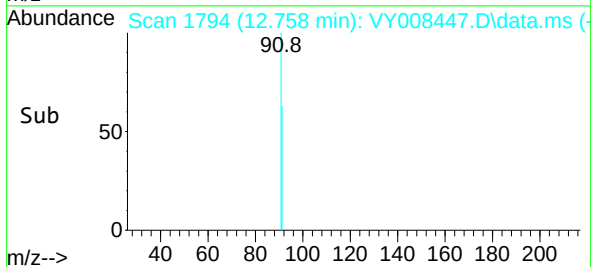
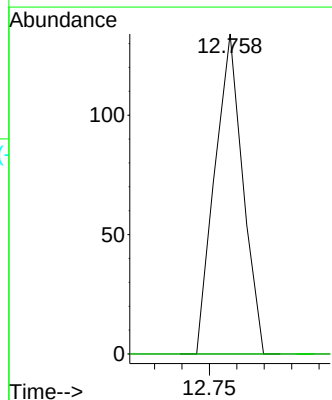
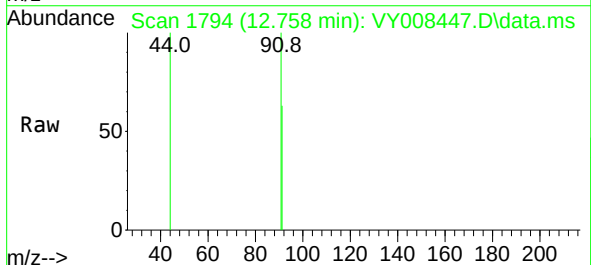


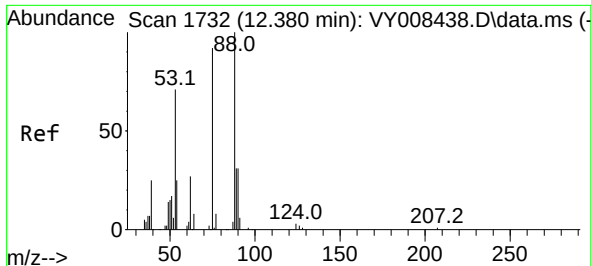
Tgt Ion: 75 Resp: 879
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#79
2-Chlorotoluene
Concen: 1.358 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

Tgt Ion: 91 Resp: 95
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#

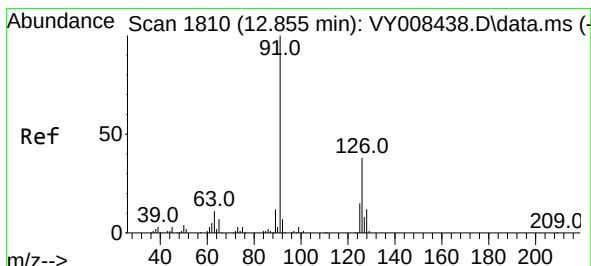
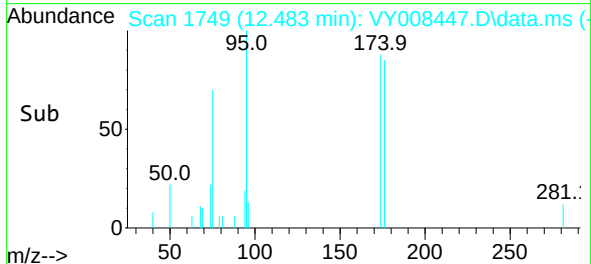
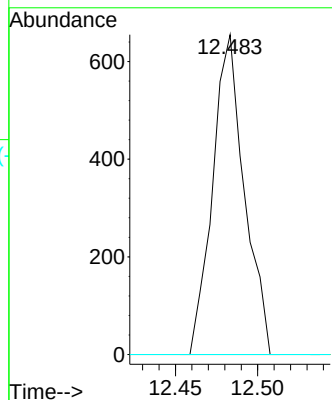
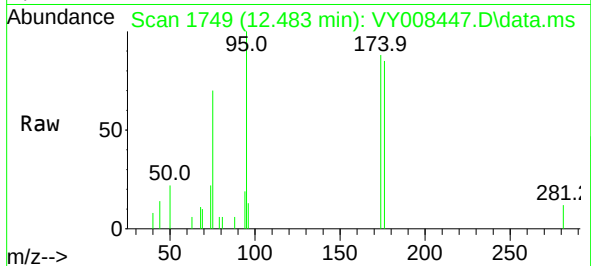




#81
trans-1,4-Dichloro-2-butene
Concen: 115.265 ug/l
RT: 12.483 min Scan# 1732
Delta R.T. 0.103 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

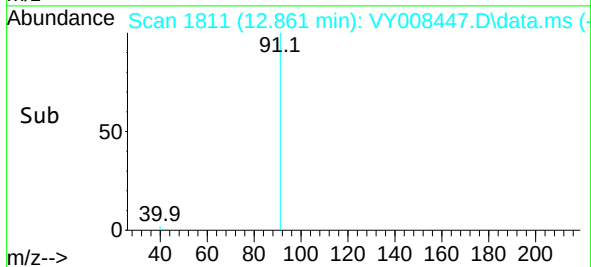
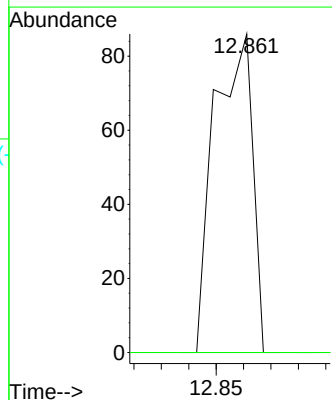
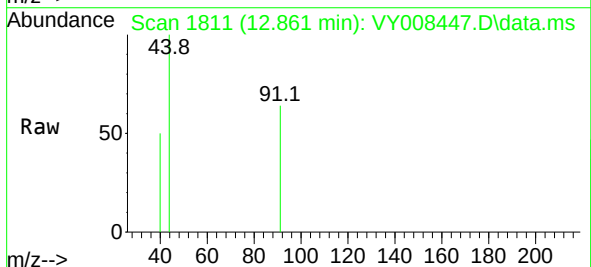
Instrument :
MSVOA_Y
ClientSampleId :

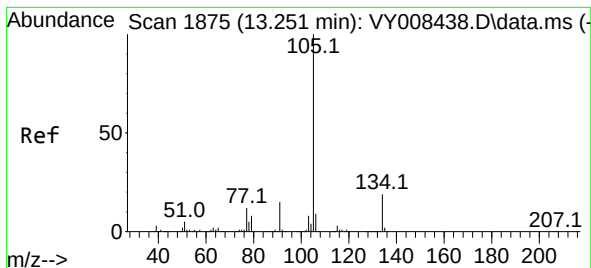
Tgt Ion: 75 Resp: 879
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#82
4-Chlorotoluene
Concen: 1.145 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

Tgt Ion: 91 Resp: 83
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#





#85

sec-Butylbenzene

Concen: 1.127 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY008447.D

Acq: 21 Apr 2022 17:49

Instrument :

MSVOA_Y

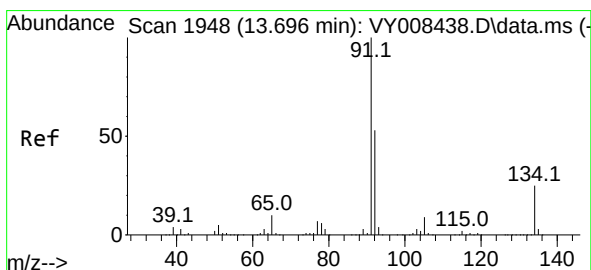
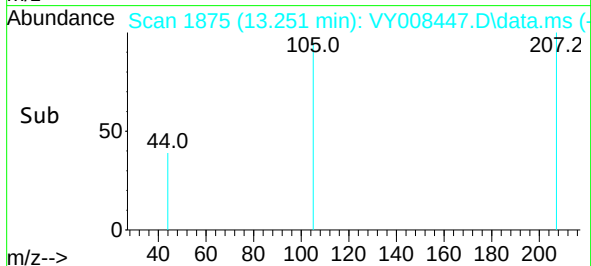
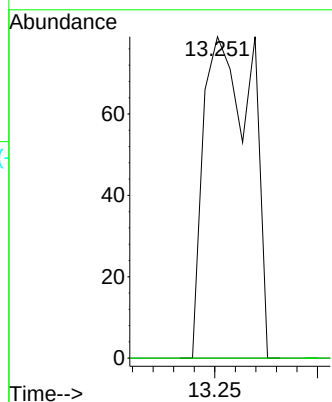
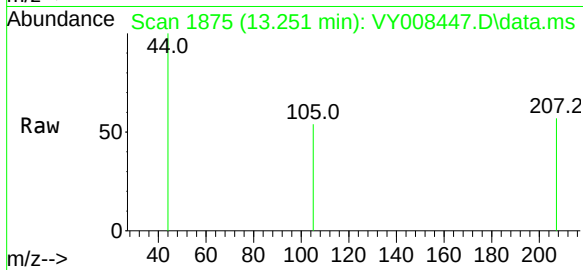
ClientSampleId :

Tgt Ion:105 Resp: 127

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#



#89

n-Butylbenzene

Concen: 1.482 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY008447.D

Acq: 21 Apr 2022 17:49

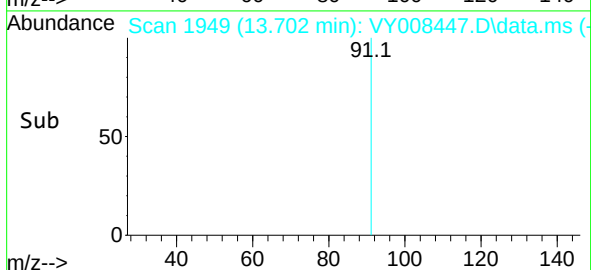
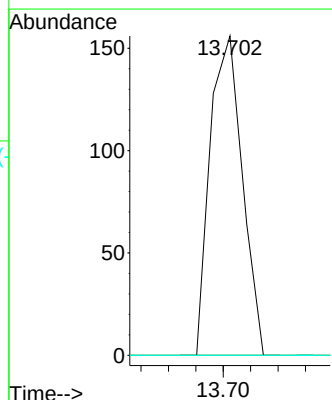
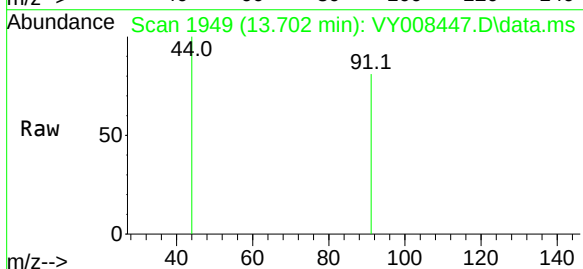
Tgt Ion: 91 Resp: 127

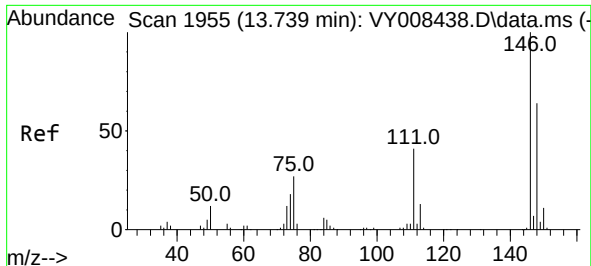
Ion Ratio Lower Upper

91 100

92 0.0 26.3 78.9#

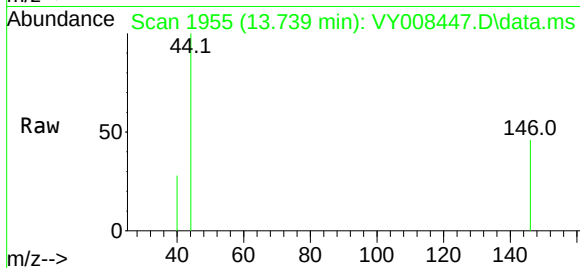
134 0.0 13.0 38.9#



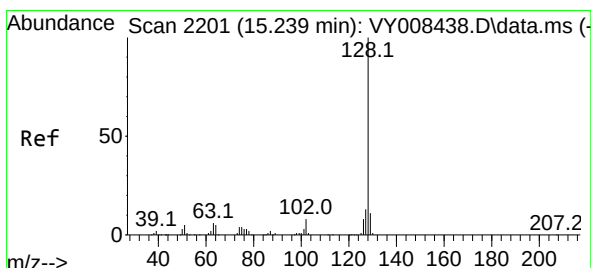
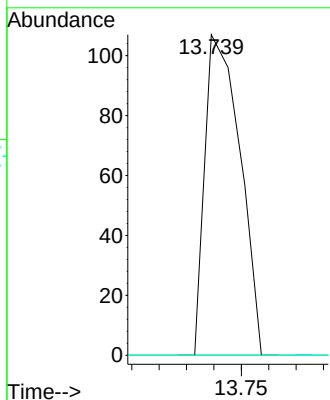
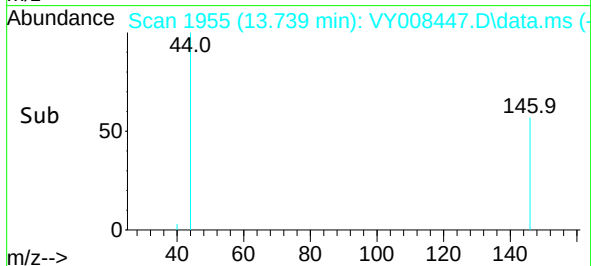


#91
1,2-Dichlorobenzene
Concen: 2.111 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49

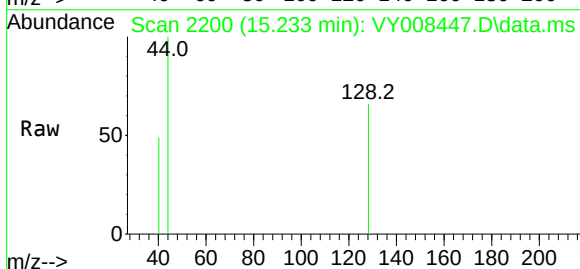
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:146 Resp: 95
Ion Ratio Lower Upper
146 100
111 0.0 20.3 60.9#
148 0.0 32.3 96.9#



#95
Naphthalene
Concen: 2.853 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY008447.D
Acq: 21 Apr 2022 17:49



Tgt Ion:128 Resp: 162
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

