

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041422\
 Data File : VY008335.D
 Acq On : 14 Apr 2022 18:11
 Operator : KP/MD
 Sample : N2401-05
 Misc : 3.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-5-11.5

Quant Time: Apr 15 06:16:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

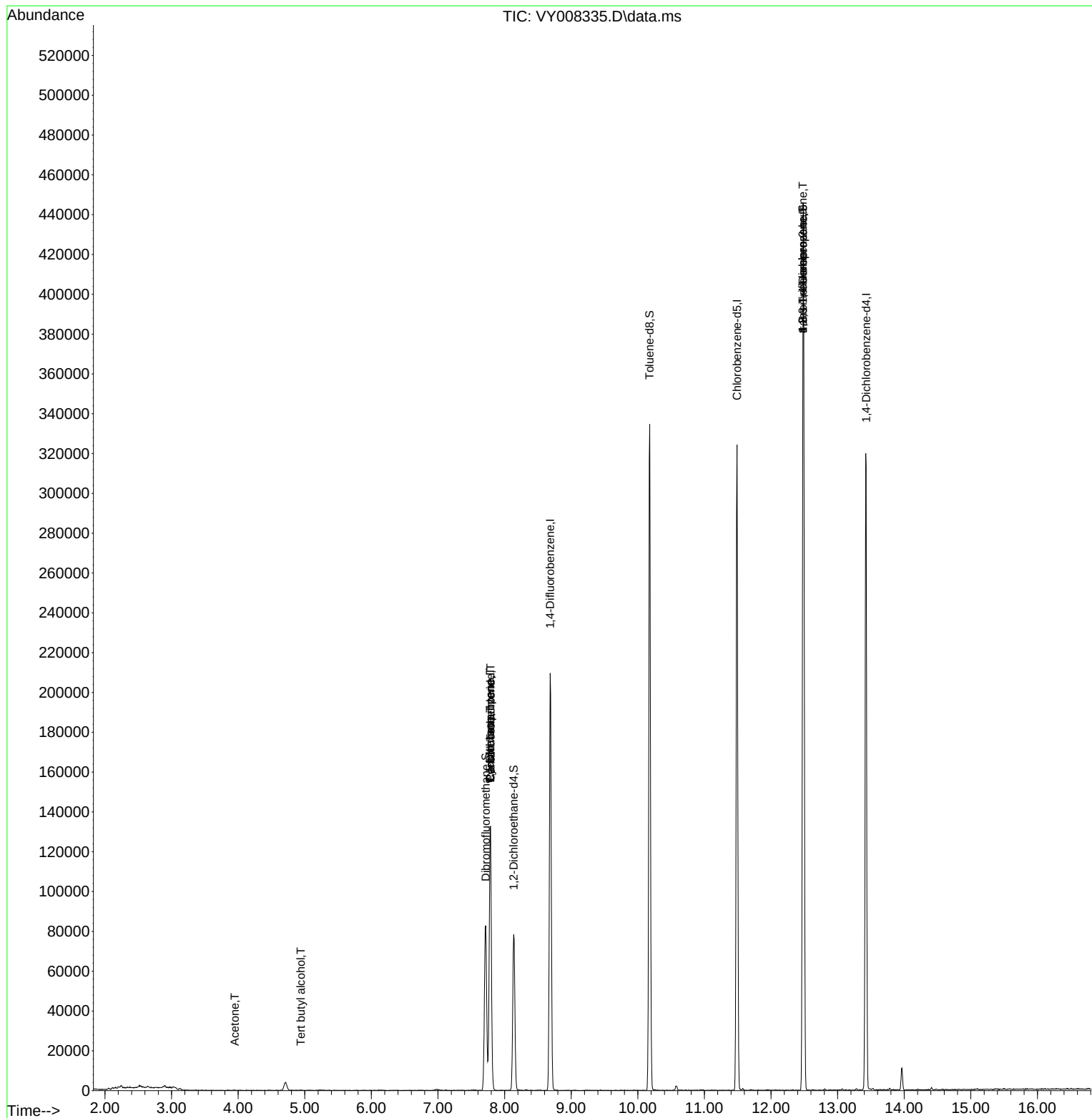
Internal Standards						
1) Pentafluorobenzene	7.789	168	103519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	187498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	180064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	60691	62.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.840%	
35) Dibromofluoromethane	7.716	113	59016	54.495	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.000%	
50) Toluene-d8	10.179	98	225997	60.987	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 121.980%	
62) 4-Bromofluorobenzene	12.477	95	79891	57.319	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.640%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	121	Below Cal	#	75
5) Bromomethane	2.662	94	231	Below Cal		98
11) Tert butyl alcohol	4.942	59	243	2.338	ug/l #	77
16) Acetone	3.948	43	341	1.458	ug/l #	47
18) Methyl Acetate	4.473	43	151	Below Cal	#	56
20) Methylene Chloride	4.716	84	3316	Below Cal		85
31) Cyclohexane	7.783	56	2182	1.241	ug/l #	4
36) 1,1-Dichloropropene	7.783	75	8144	4.709	ug/l #	52
38) Carbon Tetrachloride	7.789	117	10465	5.625	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	44545	49.540	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44545	110.843	ug/l #	8

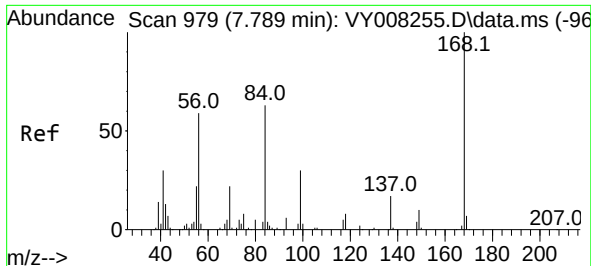
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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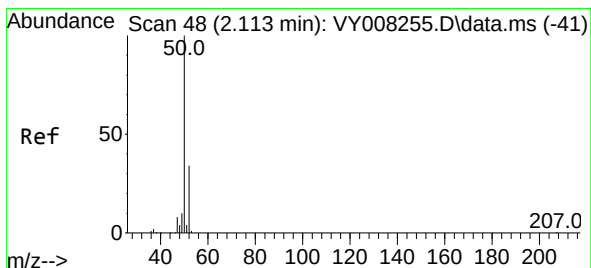
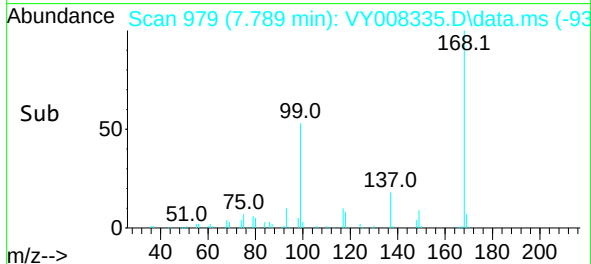
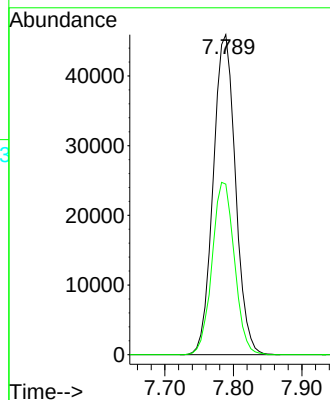
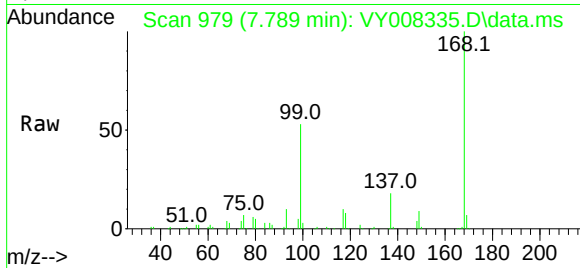




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

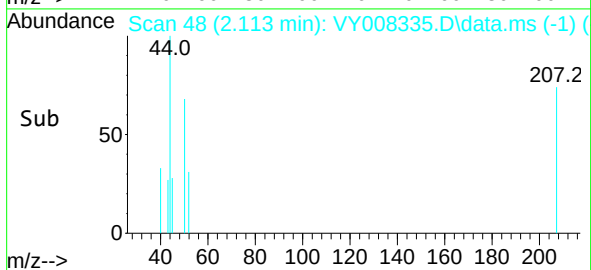
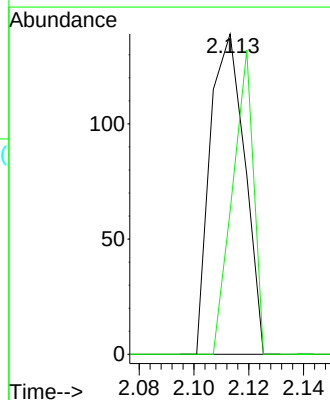
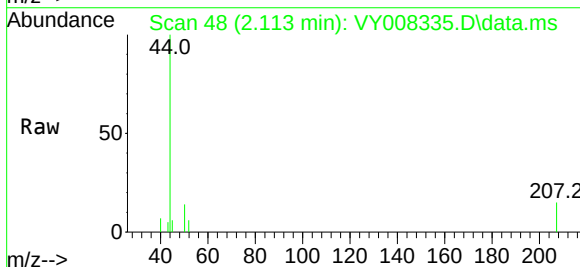
Instrument :
MSVOA_Y
ClientSampleId :
CL-5-11.5

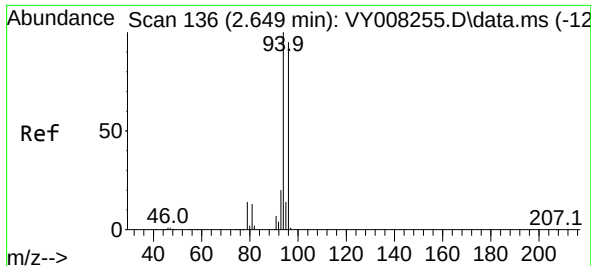
Tgt Ion:168 Resp: 103519
Ion Ratio Lower Upper
168 100
99 53.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

Tgt Ion: 50 Resp: 121
Ion Ratio Lower Upper
50 100
52 44.6 24.6 37.0#

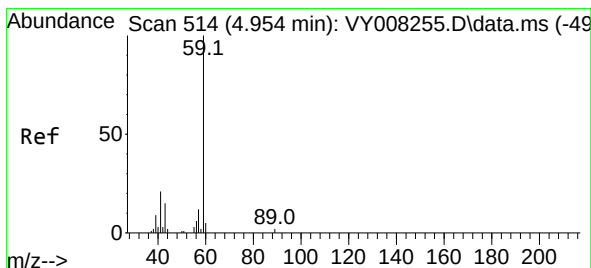
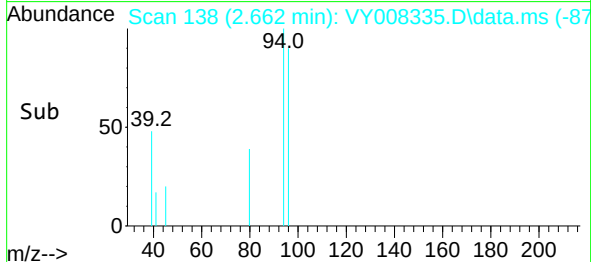
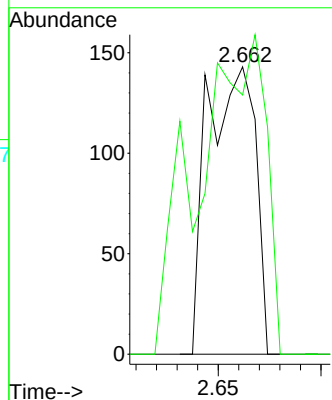
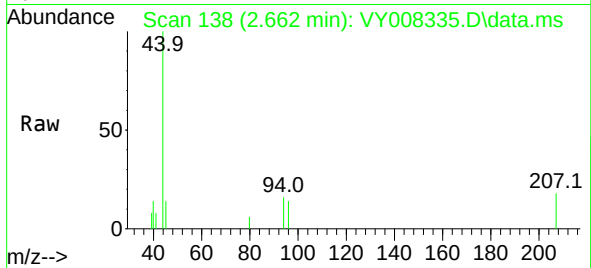




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

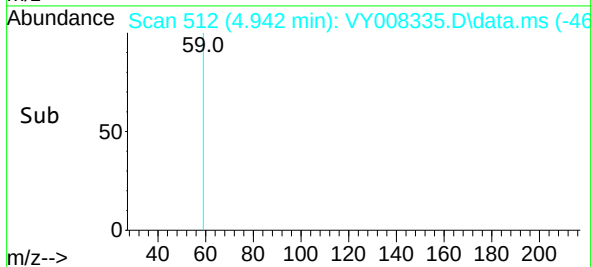
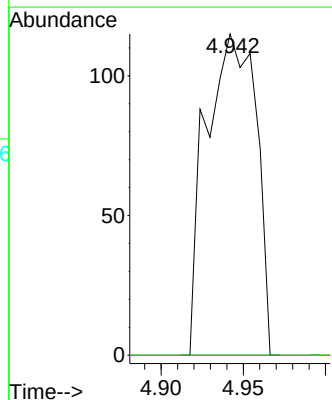
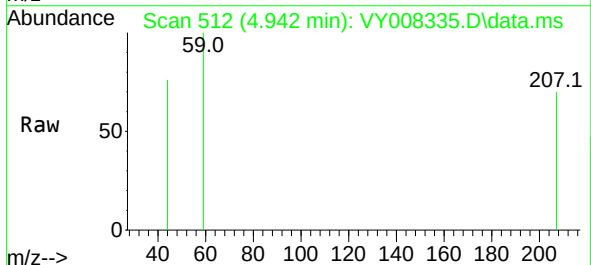
Instrument :
MSVOA_Y
ClientSampleId :
CL-5-11.5

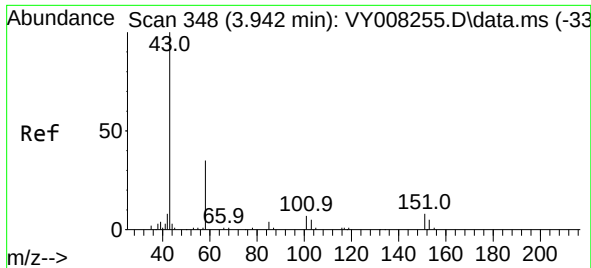
Tgt Ion: 94 Resp: 231
Ion Ratio Lower Upper
94 100
96 90.2 73.5 110.3



#11
Tert butyl alcohol
Concen: 2.338 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 1.458 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY008335.D

Acq: 14 Apr 2022 18:11

Instrument :

MSVOA_Y

ClientSampleId :

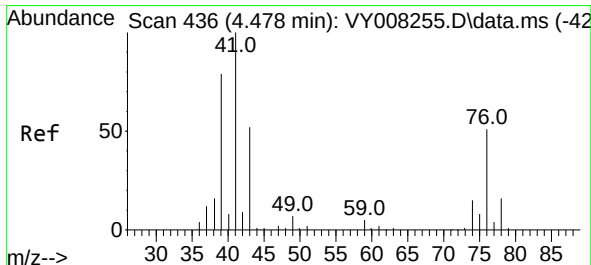
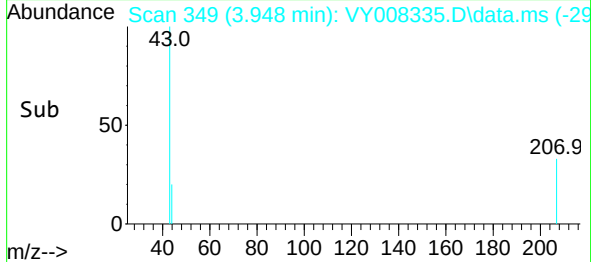
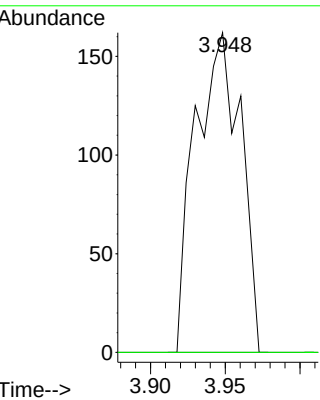
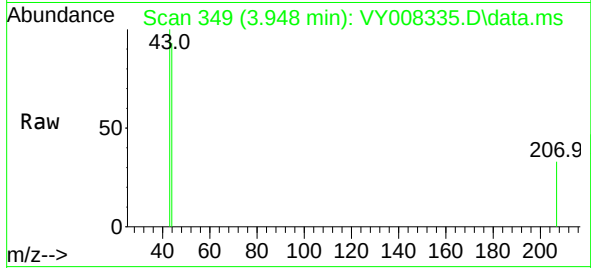
CL-5-11.5

Tgt Ion: 43 Resp: 341

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.473 min Scan# 435

Delta R.T. -0.005 min

Lab File: VY008335.D

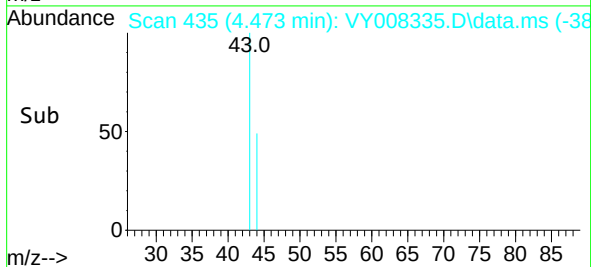
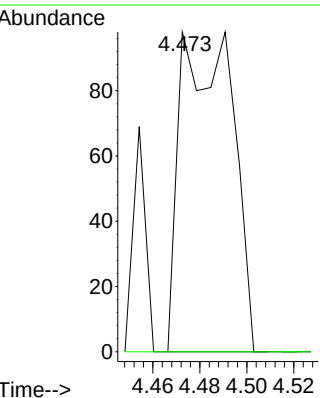
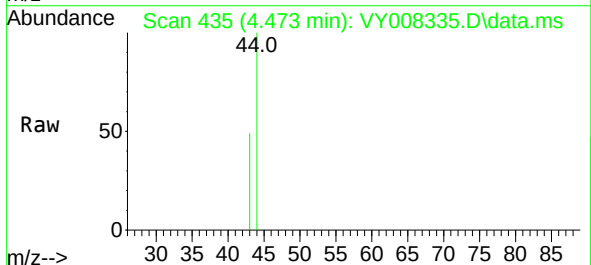
Acq: 14 Apr 2022 18:11

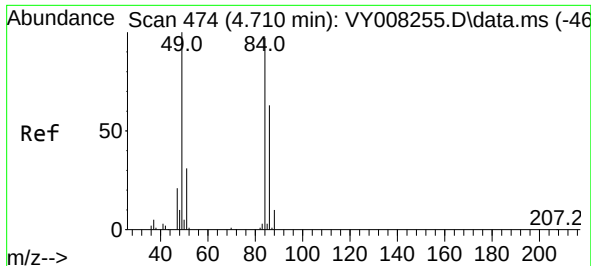
Tgt Ion: 43 Resp: 151

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

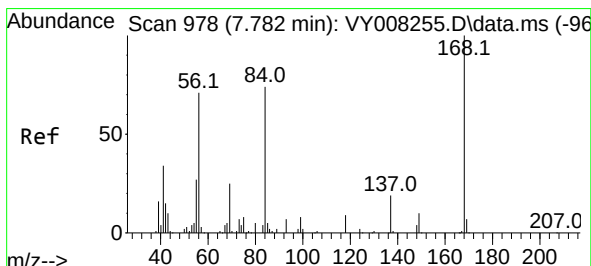
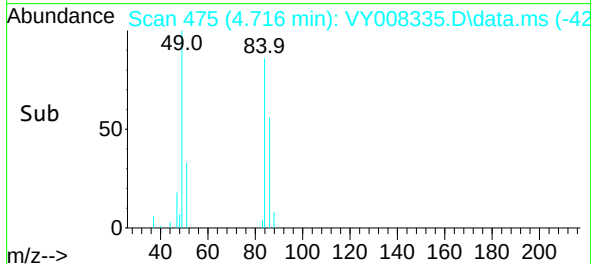
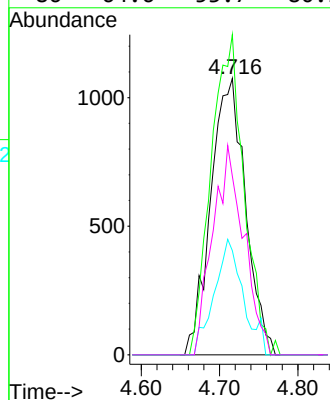
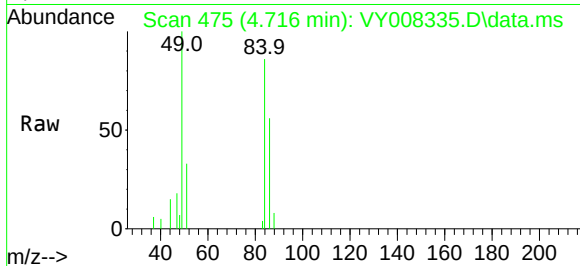




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

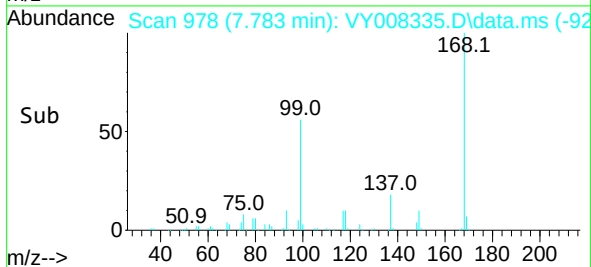
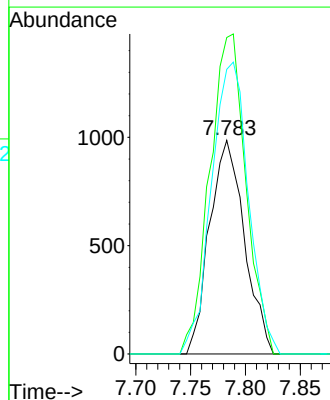
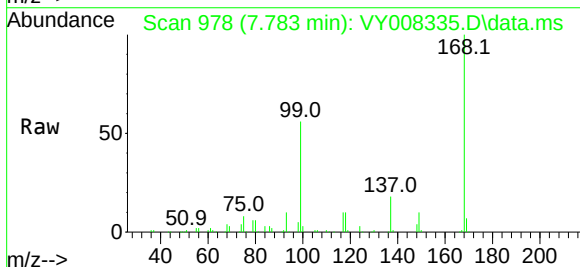
Instrument :
MSVOA_Y
ClientSampleId :
CL-5-11.5

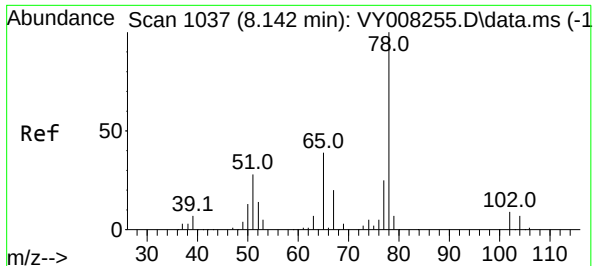
Tgt Ion: 84 Resp: 3316
Ion Ratio Lower Upper
84 100
49 115.8 114.4 171.6
51 37.7 35.3 52.9
86 64.6 53.7 80.5



#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.001 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

Tgt Ion: 56 Resp: 2182
Ion Ratio Lower Upper
56 100
69 148.2 26.7 40.1#
84 133.3 67.2 100.8#

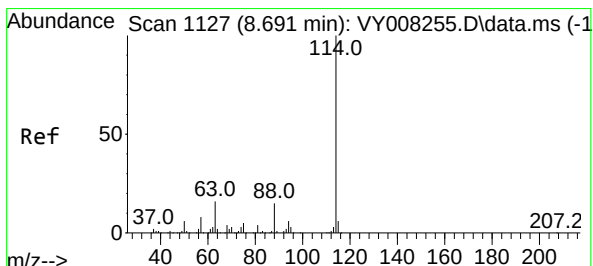
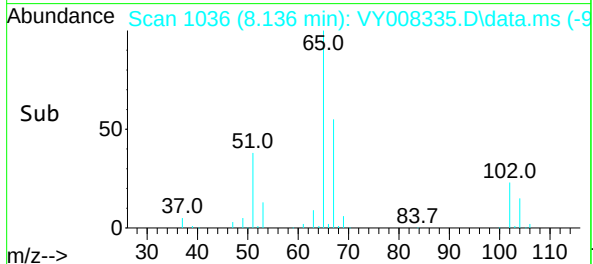
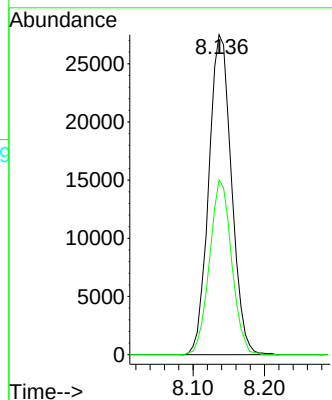
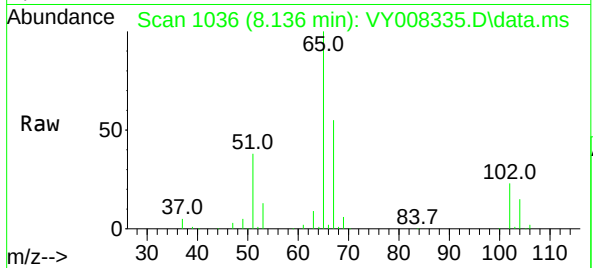




#33
1,2-Dichloroethane-d4
Concen: 62.415 ug/l
RT: 8.136 min Scan# 110
Delta R.T. -0.006 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

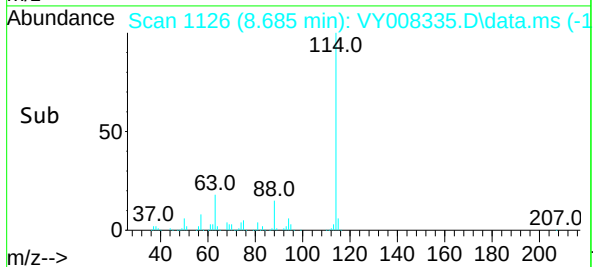
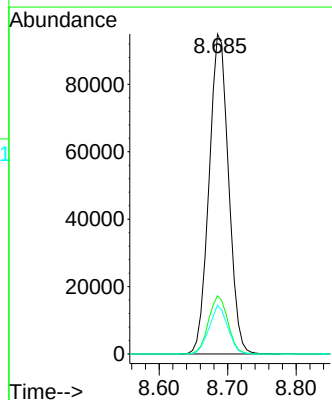
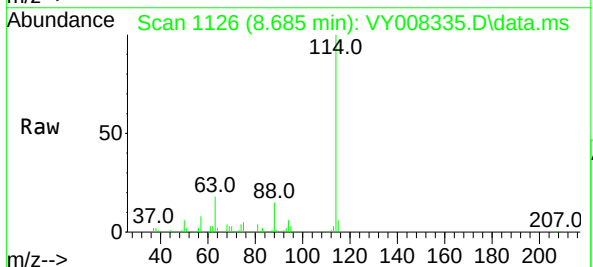
Instrument :
MSVOA_Y
ClientSampleId :
CL-5-11.5

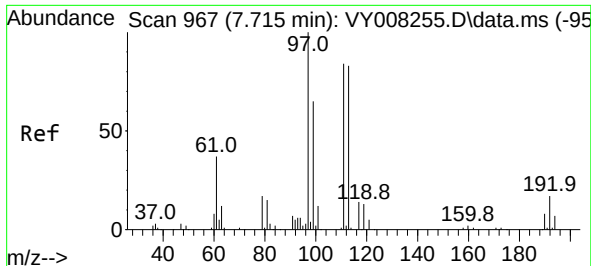
Tgt Ion: 65 Resp: 60691
Ion Ratio Lower Upper
65 100
67 53.2 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

Tgt Ion: 114 Resp: 187498
Ion Ratio Lower Upper
114 100
63 18.2 0.0 43.2
88 15.3 0.0 31.8

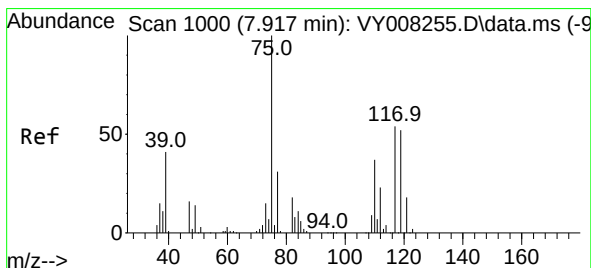
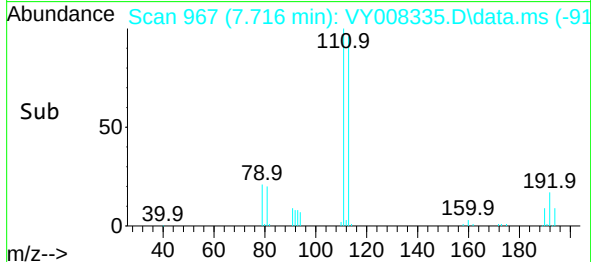
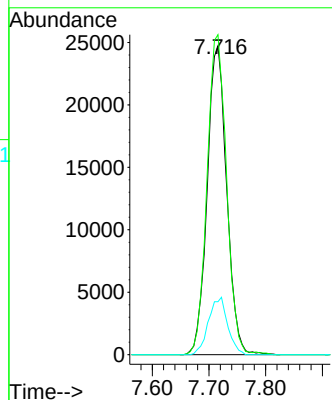
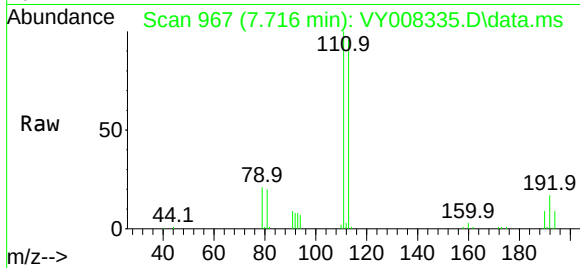




#35
Dibromofluoromethane
Concen: 54.495 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.001 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

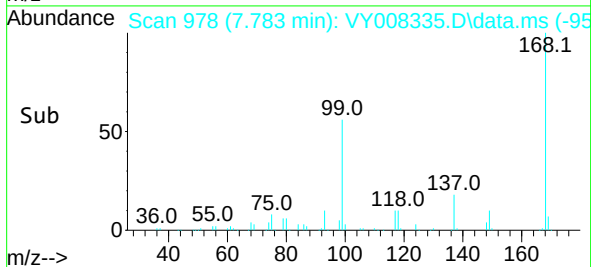
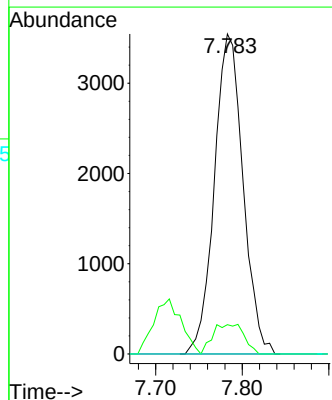
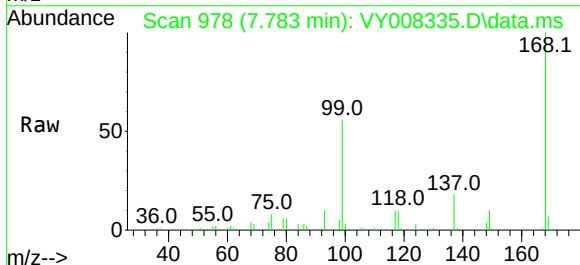
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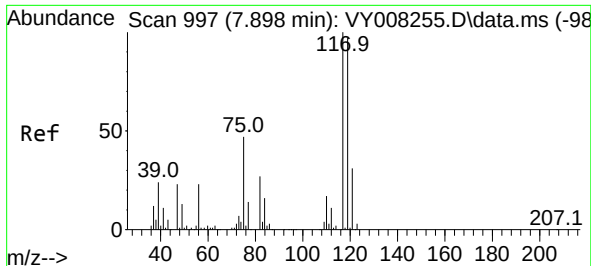
Tgt Ion:113 Resp: 59016
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 18.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.709 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

Tgt Ion: 75 Resp: 8144
Ion Ratio Lower Upper
75 100
110 10.1 17.1 51.2#
77 0.0 24.4 36.6#

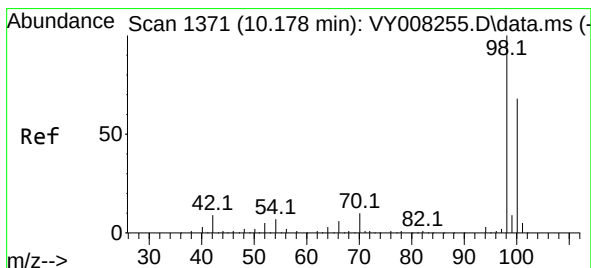
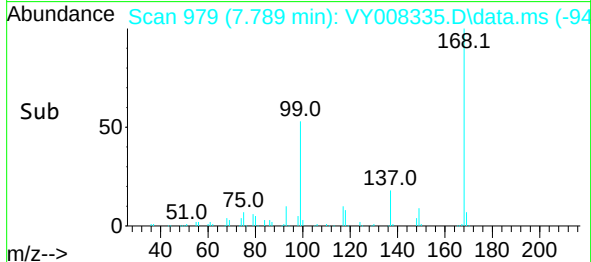
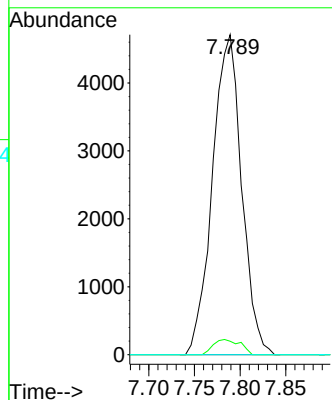
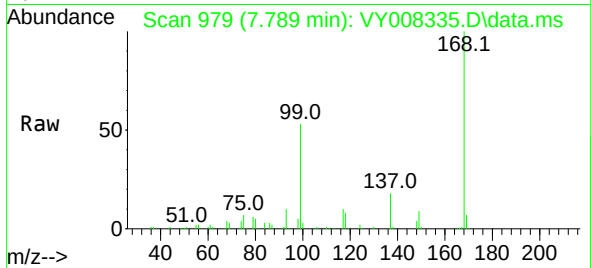




#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

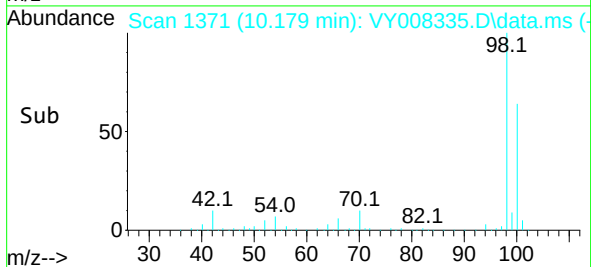
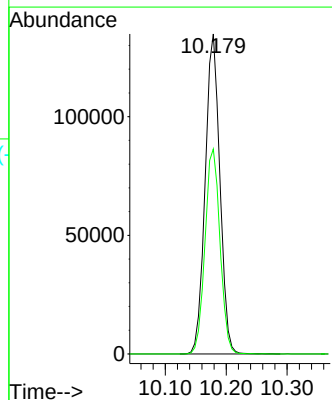
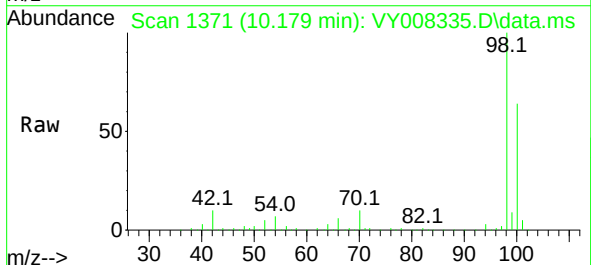
Instrument :
MSVOA_Y
ClientSampleId :
CL-5-11.5

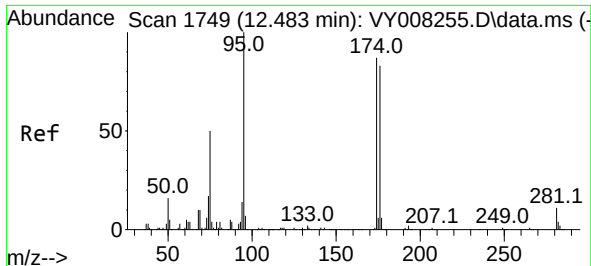
Tgt Ion:117 Resp: 10465
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 60.987 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

Tgt Ion: 98 Resp: 225997
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

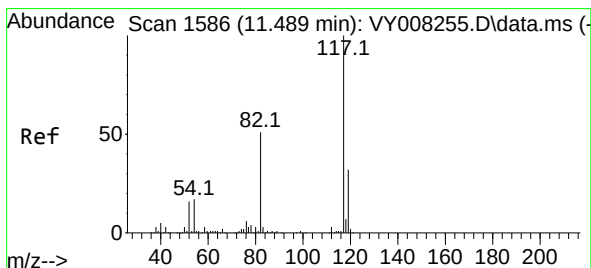
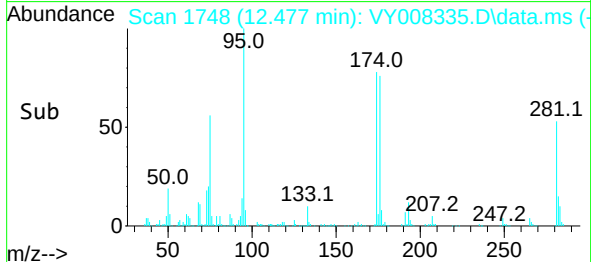
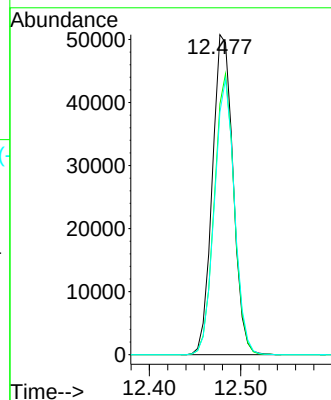
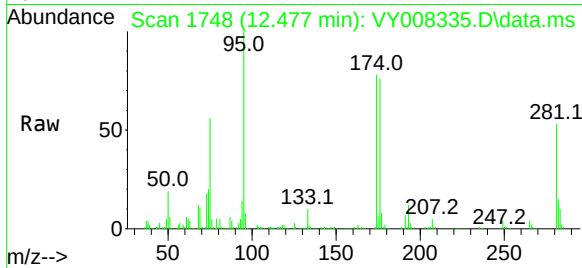




#62
4-Bromofluorobenzene
Concen: 57.319 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

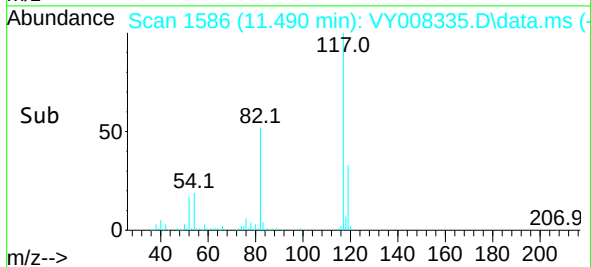
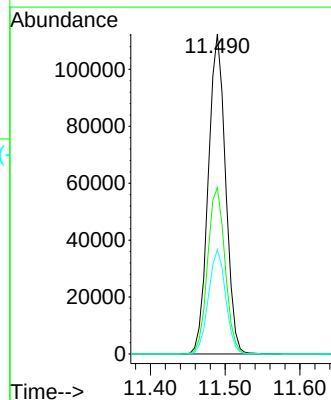
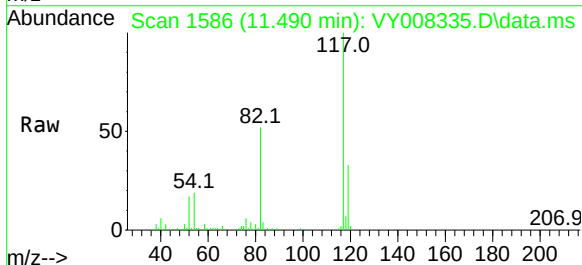
Instrument :
MSVOA_Y
ClientSampleId :
CL-5-11.5

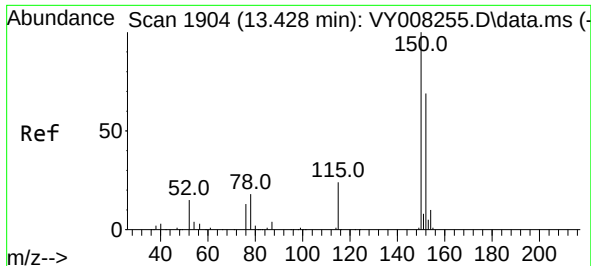
Tgt Ion: 95 Resp: 79891
Ion Ratio Lower Upper
95 100
174 84.1 0.0 177.0
176 83.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008335.D
Acq: 14 Apr 2022 18:11

Tgt Ion: 117 Resp: 180064
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 32.7 25.4 38.0

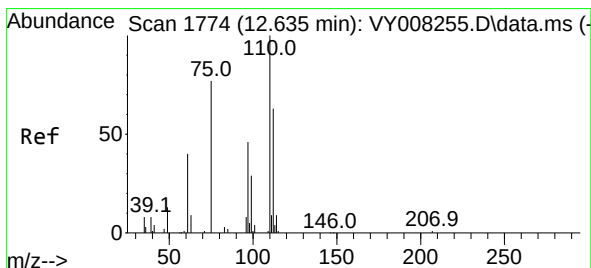
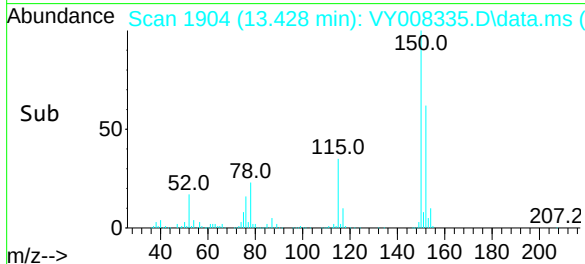
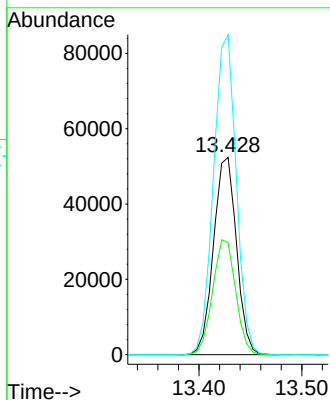
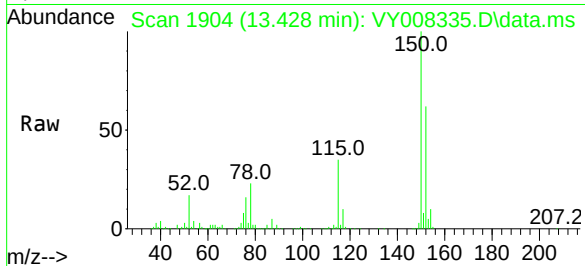




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008335.D
 Acq: 14 Apr 2022 18:11

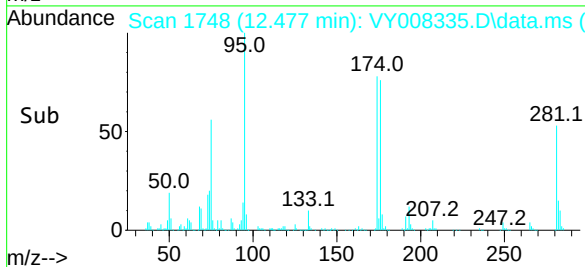
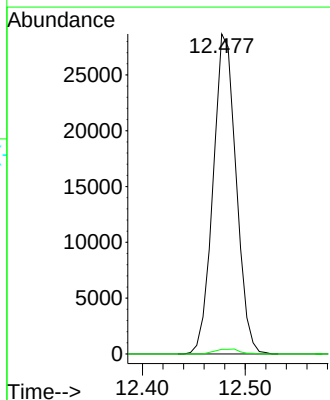
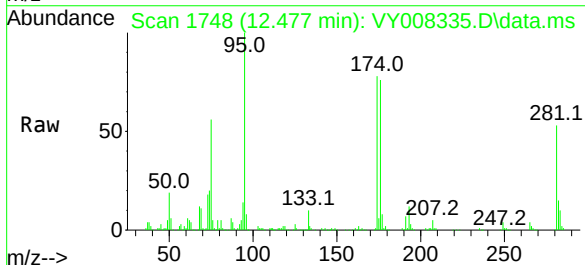
Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-5-11.5

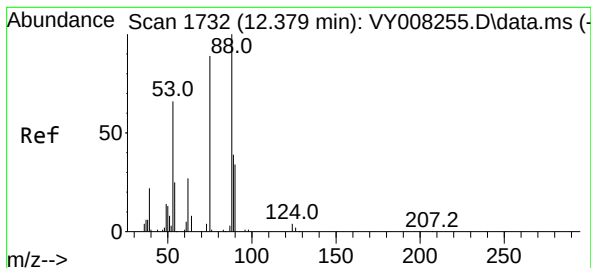
Tgt Ion:152 Resp: 81302
 Ion Ratio Lower Upper
 152 100
 115 58.5 28.2 84.7
 150 160.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 49.540 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY008335.D
 Acq: 14 Apr 2022 18:11

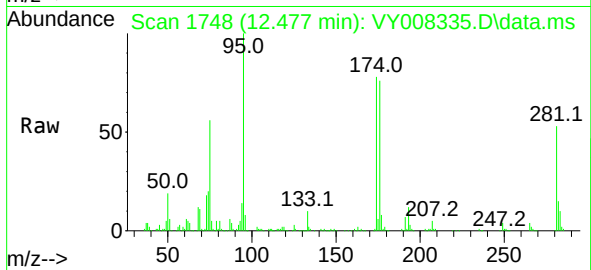
Tgt Ion: 75 Resp: 44545
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.843 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY008335.D
 Acq: 14 Apr 2022 18:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-5-11.5



Tgt Ion: 75 Resp: 44545
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 2.0 37.0 55.4#

