

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041422\
 Data File : VY008332.D
 Acq On : 14 Apr 2022 17:01
 Operator : KP/MD
 Sample : N2401-02
 Misc : 4.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-2-11.5

Quant Time: Apr 15 06:15:59 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)

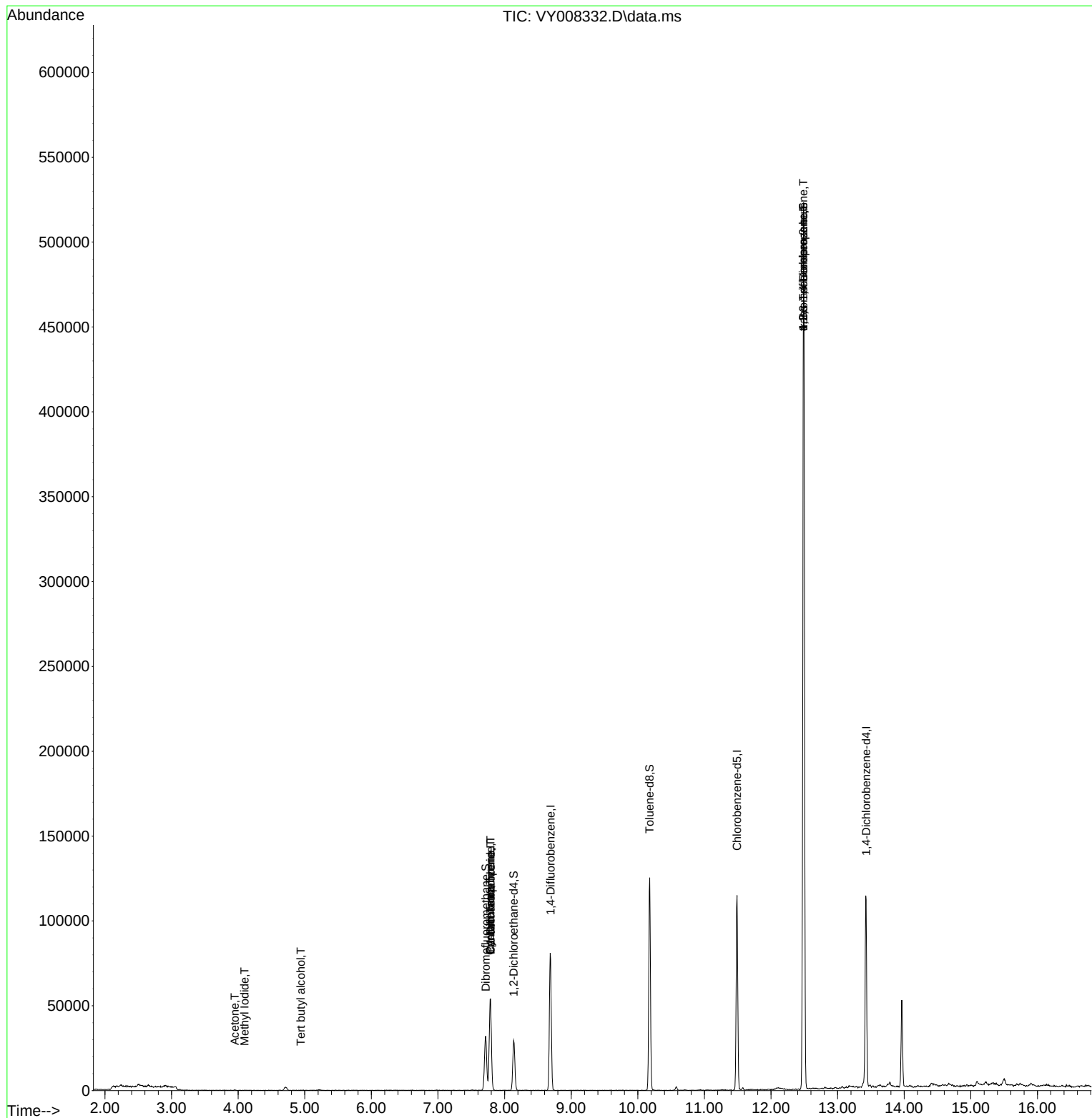
Internal Standards						
1) Pentafluorobenzene	7.789	168	42375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	72763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	64906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	28669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	22655	56.917	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.840%
35) Dibromofluoromethane	7.716	113	22701	54.016	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.040%
50) Toluene-d8	10.179	98	84872	59.018	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	118.040%
62) 4-Bromofluorobenzene	12.483	95	29225	54.031	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	132	Below Cal	#	44
5) Bromomethane	2.656	94	443	Below Cal		99
10) Methyl Iodide	4.094	142	138	2.644	ug/l #	35
11) Tert butyl alcohol	4.942	59	80	1.880	ug/l #	77
16) Acetone	3.948	43	309	3.228	ug/l #	87
18) Methyl Acetate	4.491	43	20	Below Cal	#	56
20) Methylene Chloride	4.710	84	1577	Below Cal	#	70
31) Cyclohexane	7.783	56	842	1.170	ug/l #	29
36) 1,1-Dichloropropene	7.789	75	3389	5.050	ug/l #	50
38) Carbon Tetrachloride	7.789	117	4273	5.918	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	19578	61.746	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	19578	138.155	ug/l #	11

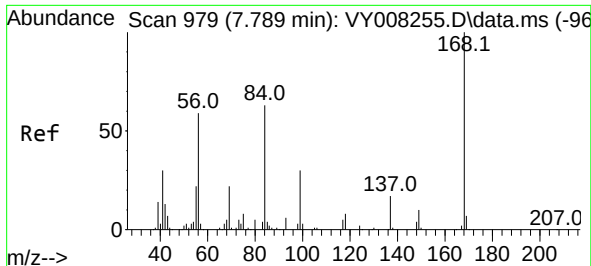
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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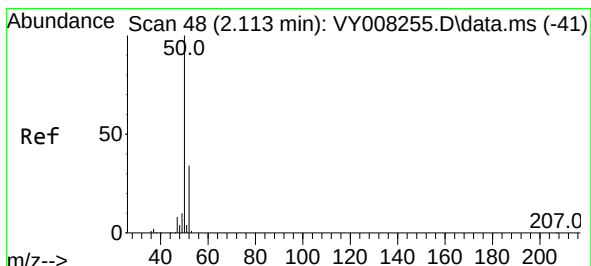
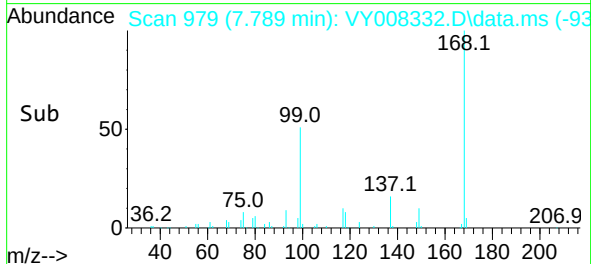
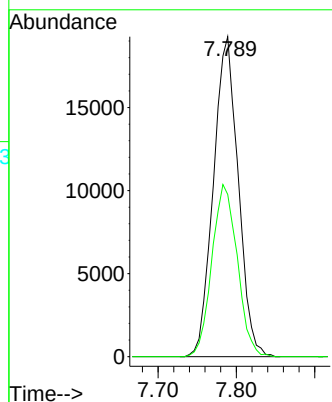
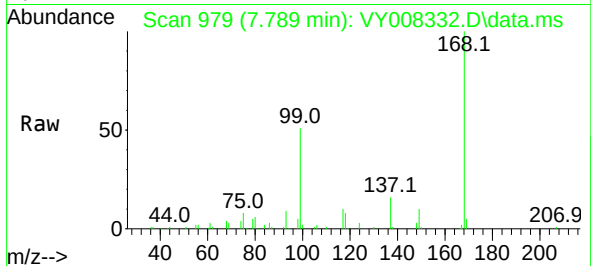




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

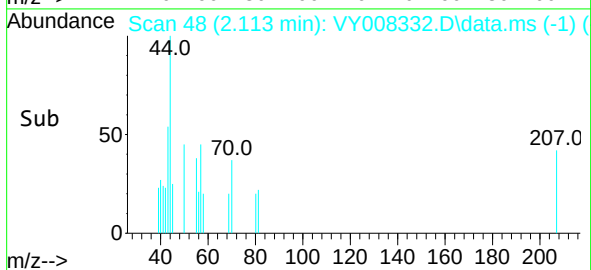
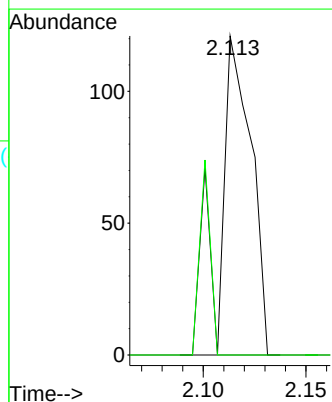
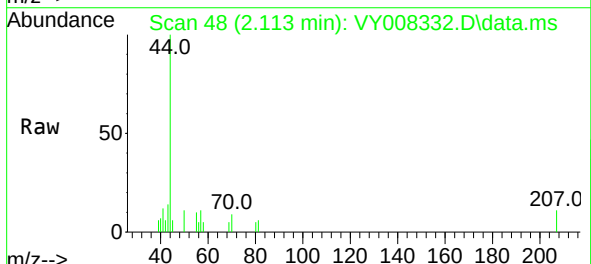
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-11.5

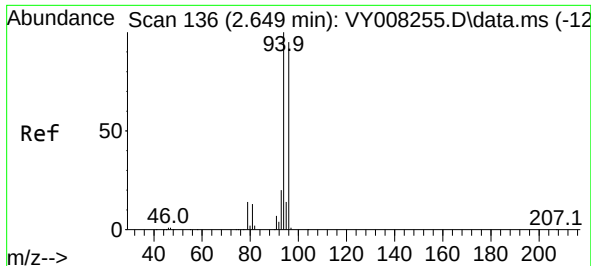
Tgt Ion:168 Resp: 42375
Ion Ratio Lower Upper
168 100
99 50.7 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

Tgt Ion: 50 Resp: 132
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

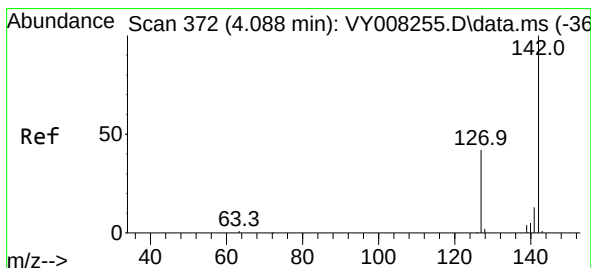
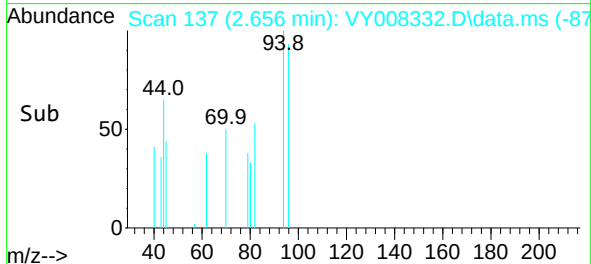
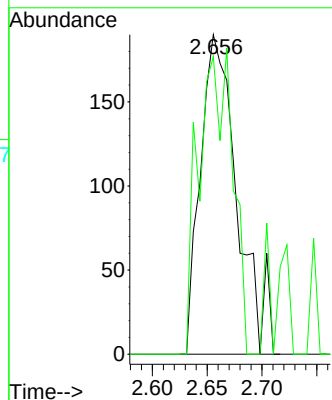
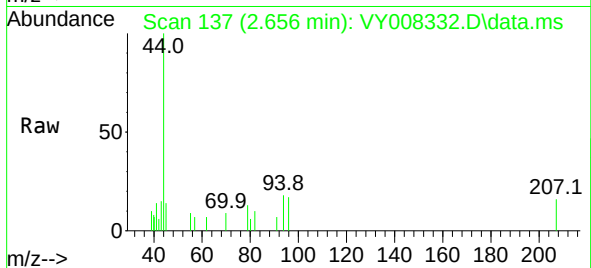




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

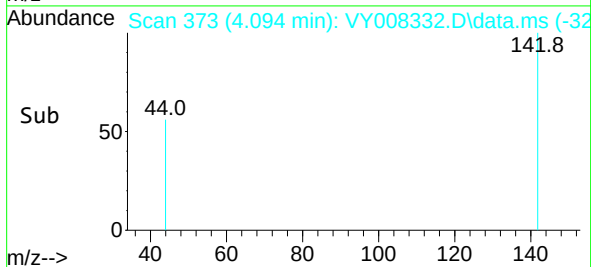
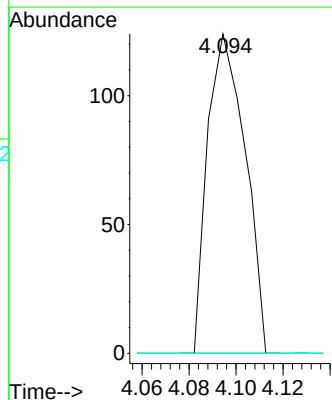
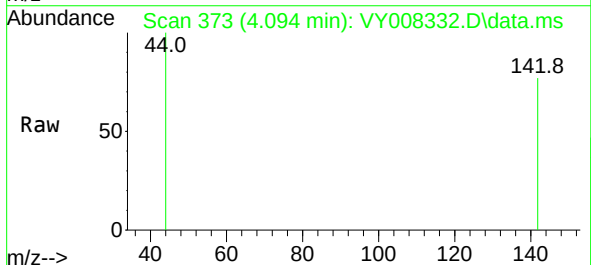
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-11.5

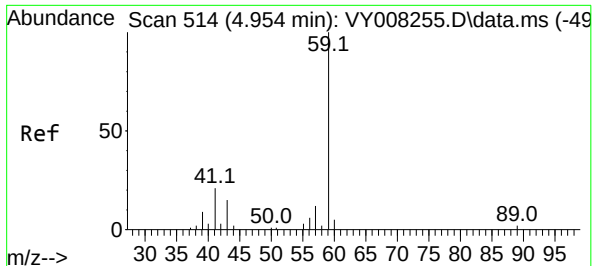
Tgt Ion: 94 Resp: 443
Ion Ratio Lower Upper
94 100
96 93.2 73.5 110.3



#10
Methyl Iodide
Concen: 2.644 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

Tgt Ion: 142 Resp: 138
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

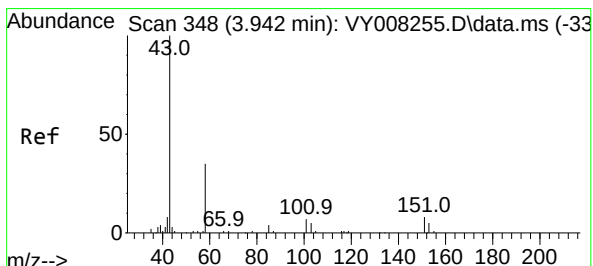
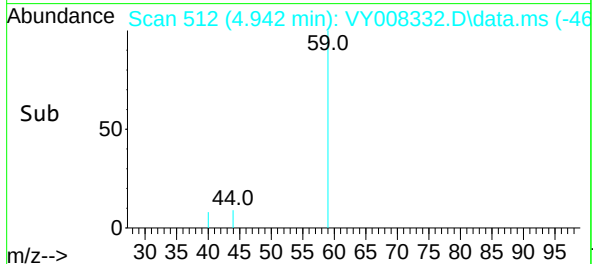
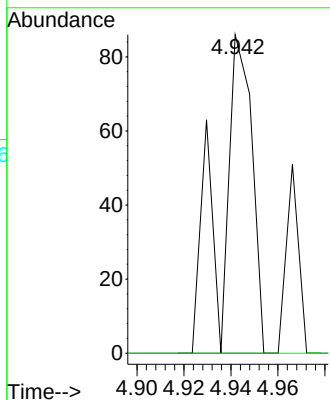
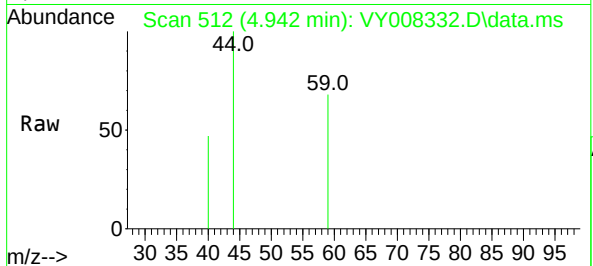




#11
Tert butyl alcohol
Concen: 1.880 ug/l
RT: 4.942 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

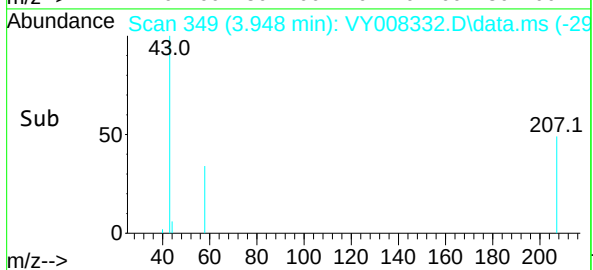
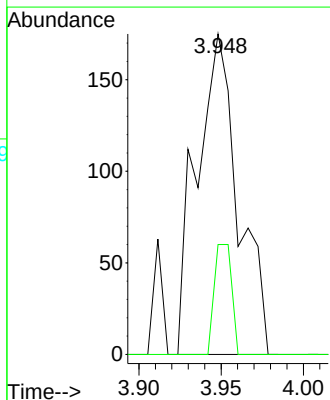
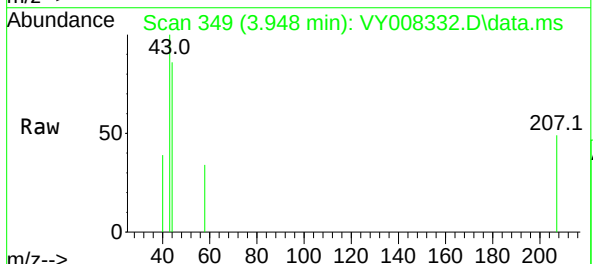
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-11.5

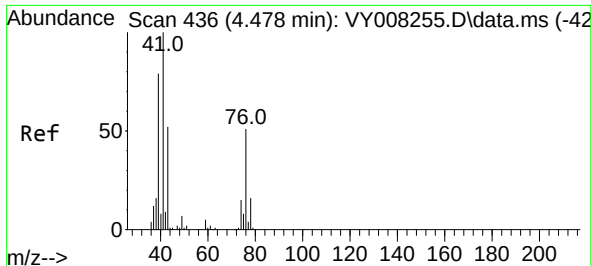
Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 3.228 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

Tgt Ion: 43 Resp: 309
Ion Ratio Lower Upper
43 100
58 34.3 22.0 33.0#

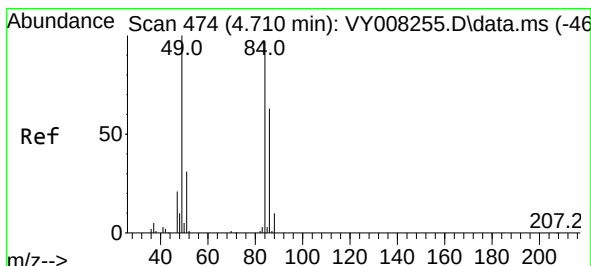
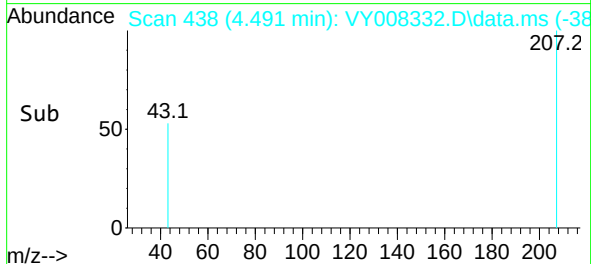
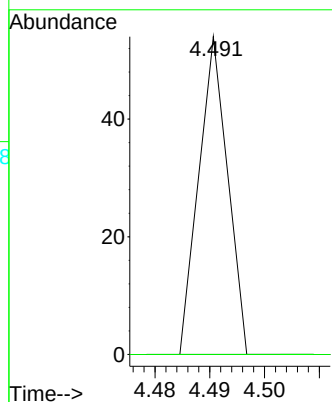
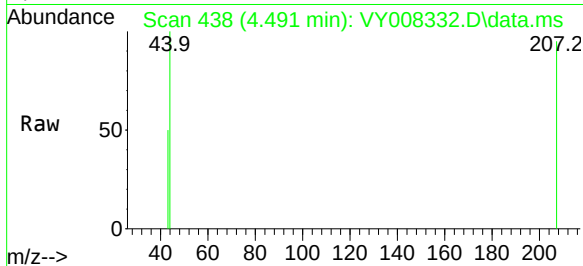




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

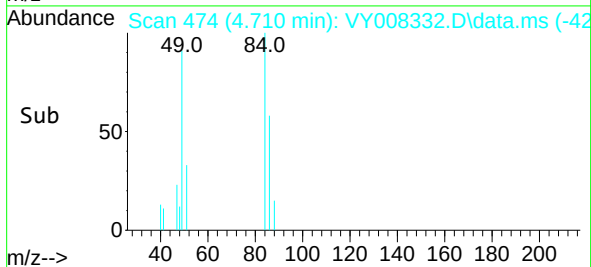
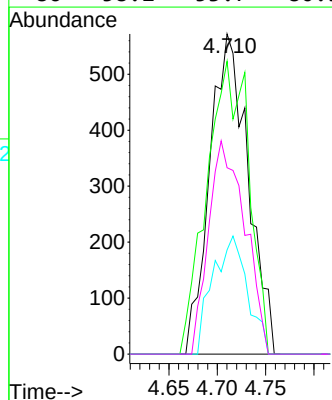
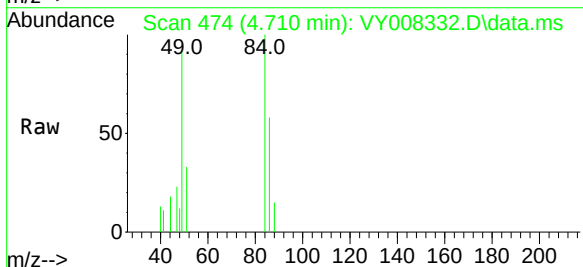
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-11.5

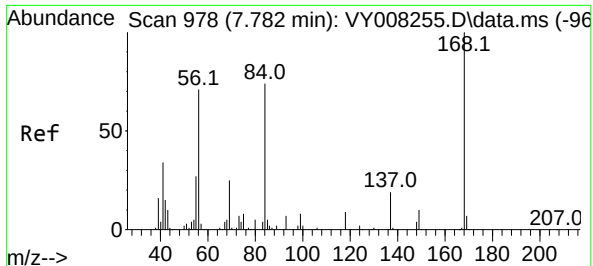
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

Tgt Ion: 84 Resp: 1577
Ion Ratio Lower Upper
84 100
49 91.4 114.4 171.6#
51 32.5 35.3 52.9#
86 58.2 53.7 80.5

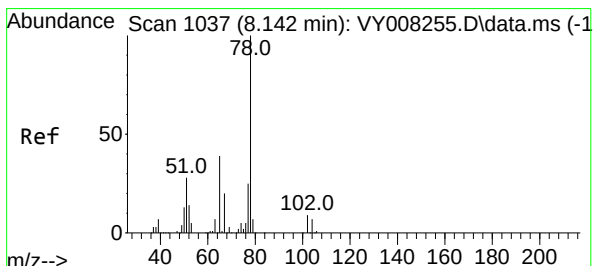
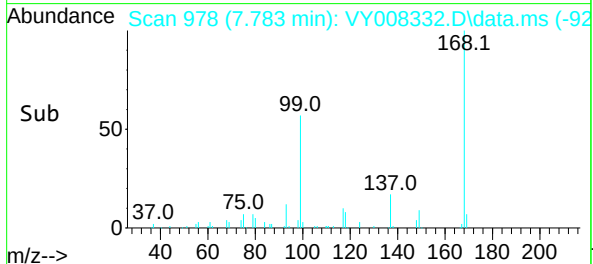
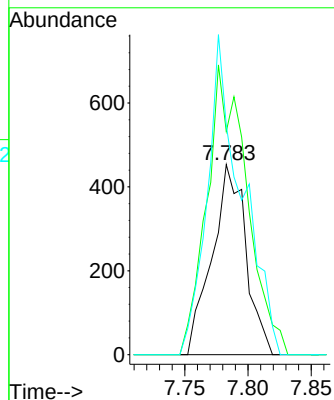
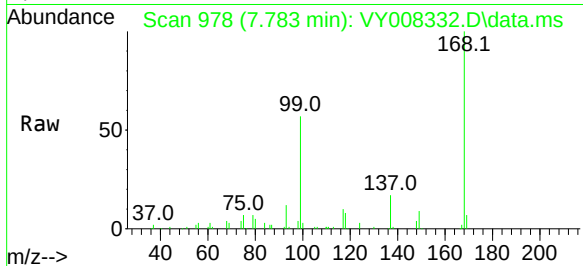




#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

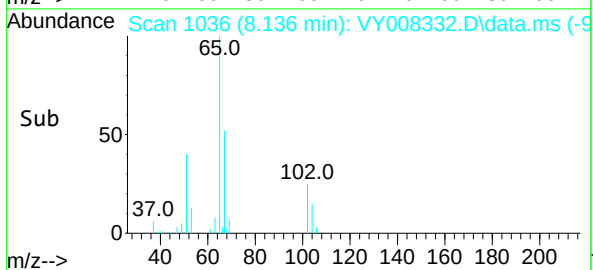
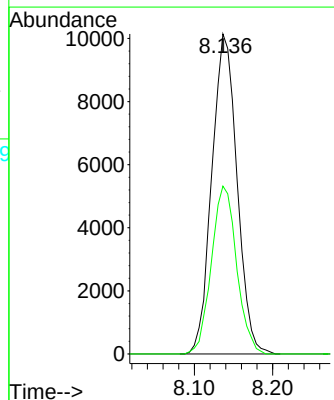
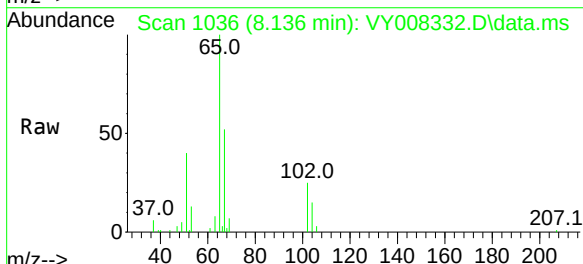
Instrument :
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CL-2-11.5

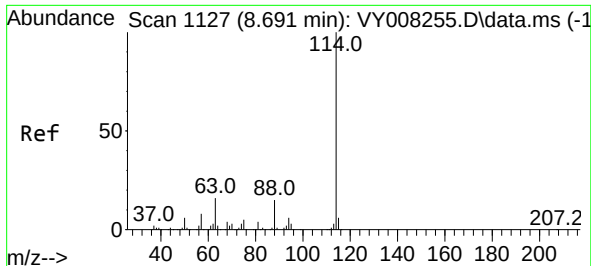
Tgt Ion: 56 Resp: 842
Ion Ratio Lower Upper
56 100
69 117.4 26.7 40.1#
84 120.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.917 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

Tgt Ion: 65 Resp: 22655
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: VY008332.D

Acq: 14 Apr 2022 17:01

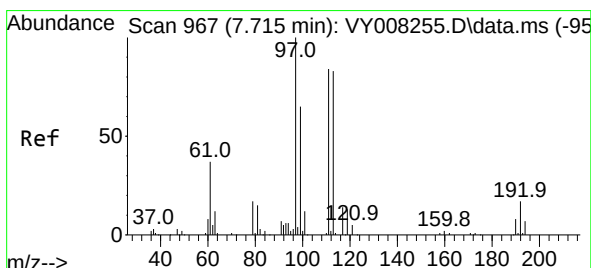
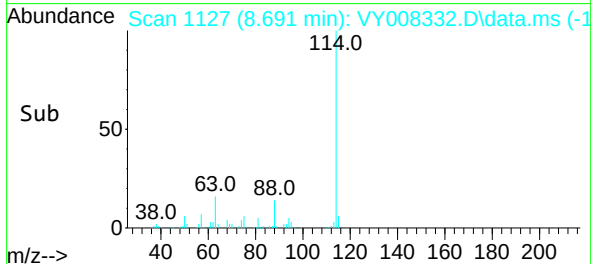
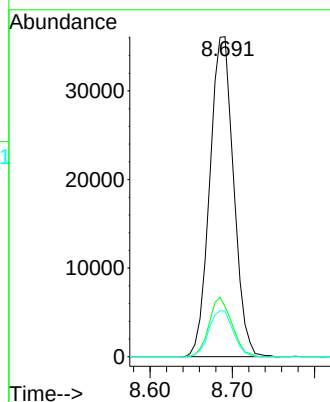
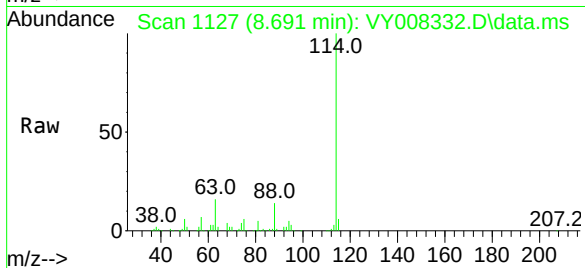
Instrument :

MSVOA_Y

ClientSampleId :

CL-2-11.5

Tgt Ion:	114	Resp:	72763
Ion	Ratio	Lower	Upper
114	100		
63	15.7	0.0	43.2
88	14.2	0.0	31.8



#35

Dibromofluoromethane

Concen: 54.016 ug/l

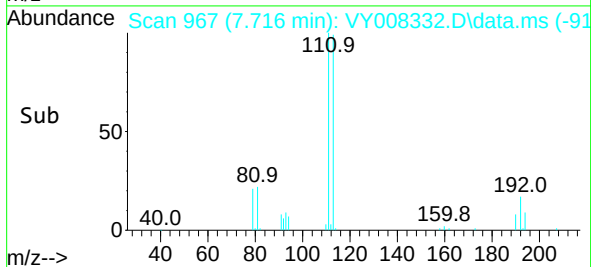
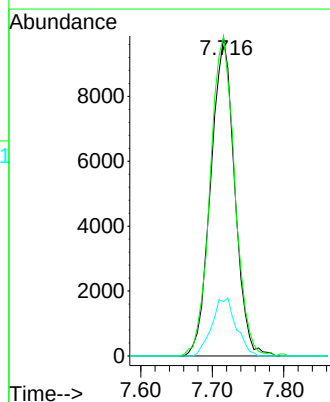
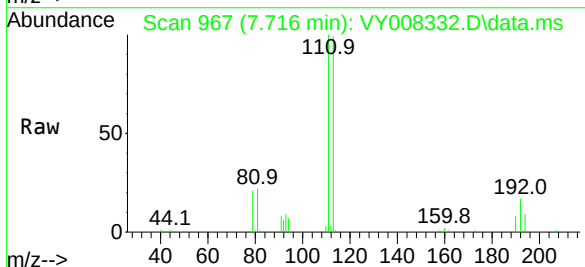
RT: 7.716 min Scan# 967

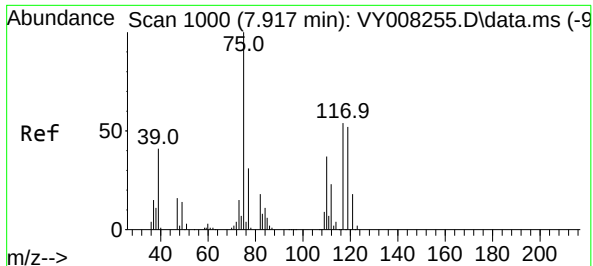
Delta R.T. 0.001 min

Lab File: VY008332.D

Acq: 14 Apr 2022 17:01

Tgt Ion:	113	Resp:	22701
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	124.0
192	18.5	17.6	26.4

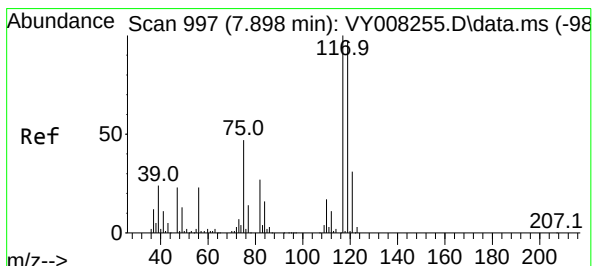
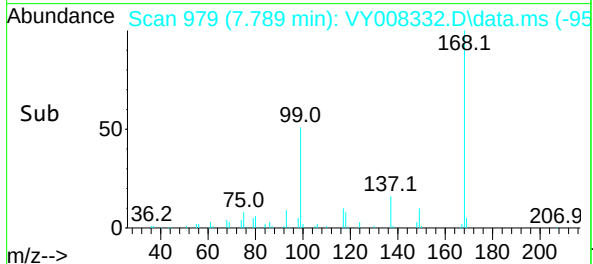
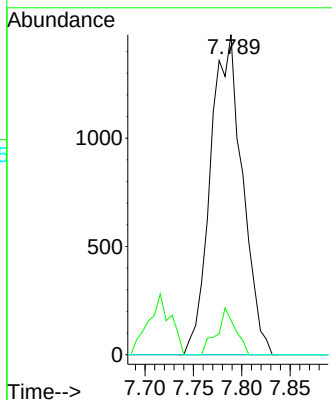
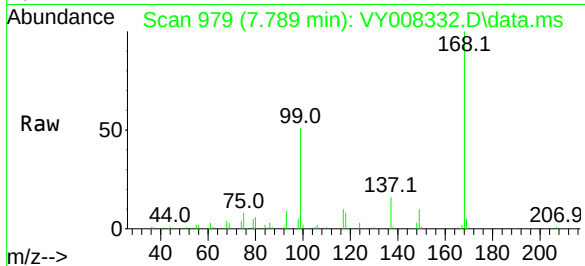




#36
1,1-Dichloropropene
Concen: 5.050 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

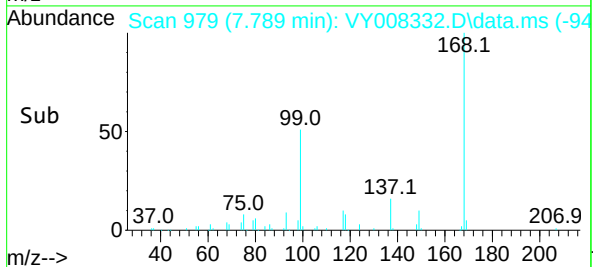
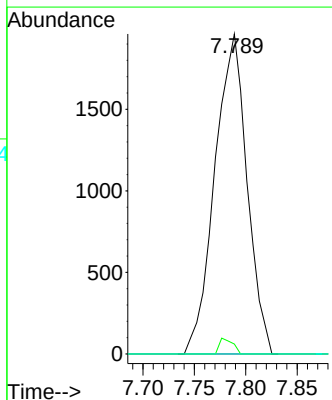
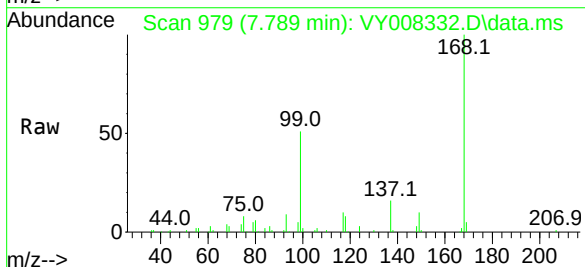
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-11.5

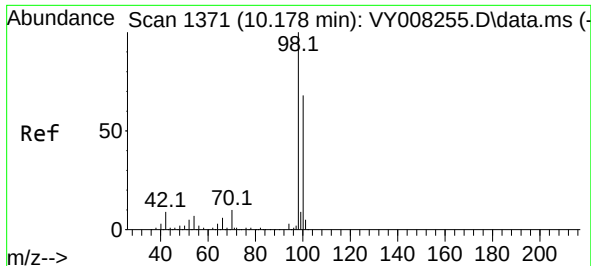
Tgt Ion: 75 Resp: 3389
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.918 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

Tgt Ion: 117 Resp: 4273
Ion Ratio Lower Upper
117 100
119 3.1 77.9 116.9#
121 0.0 24.8 37.2#

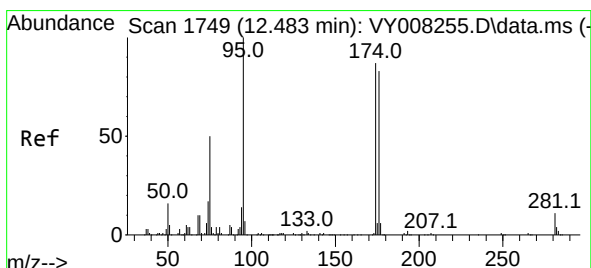
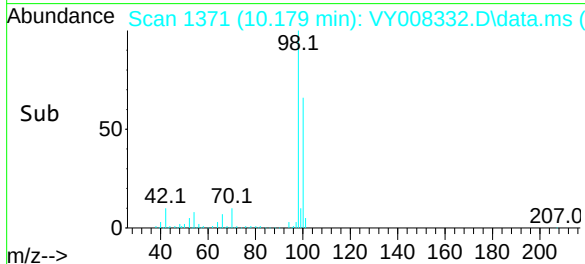
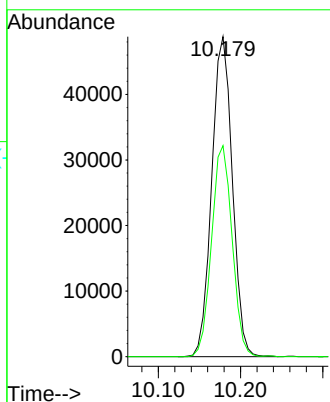
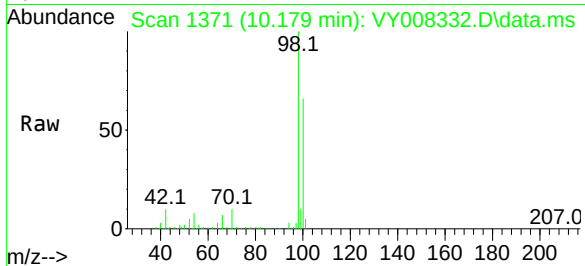




#50
Toluene-d8
Concen: 59.018 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

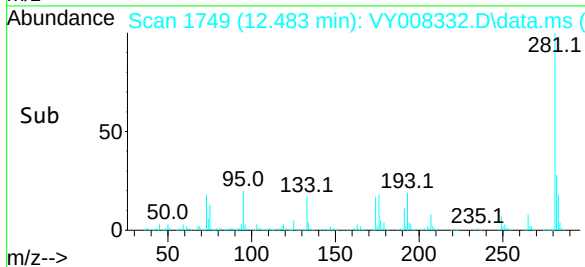
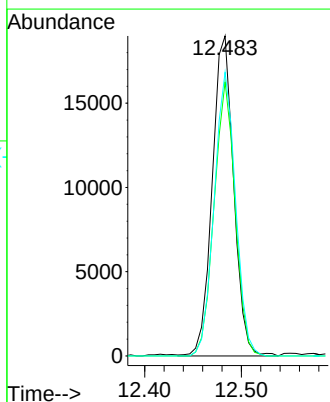
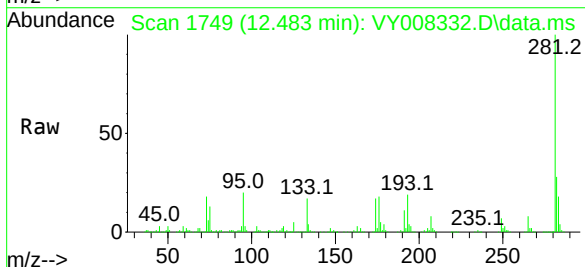
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-11.5

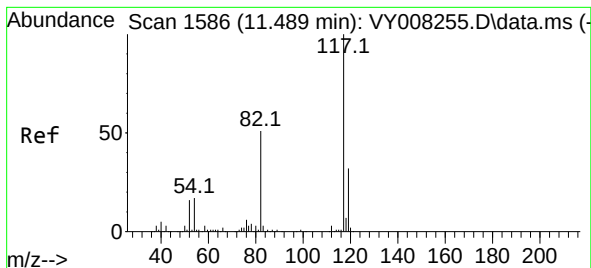
Tgt Ion: 98 Resp: 84872
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 54.031 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008332.D
Acq: 14 Apr 2022 17:01

Tgt Ion: 95 Resp: 29225
Ion Ratio Lower Upper
95 100
174 83.7 0.0 177.0
176 88.4 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: VY008332.D

Acq: 14 Apr 2022 17:01

Instrument :

MSVOA_Y

ClientSampleId :

CL-2-11.5

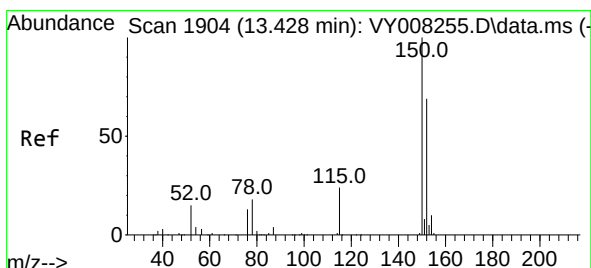
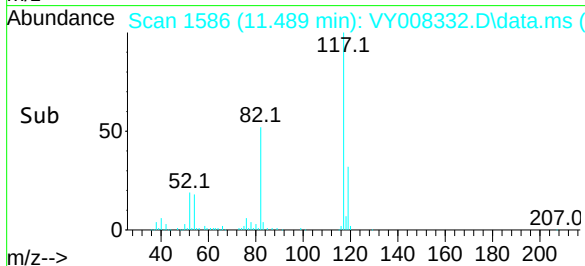
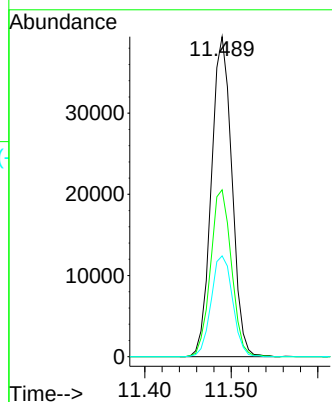
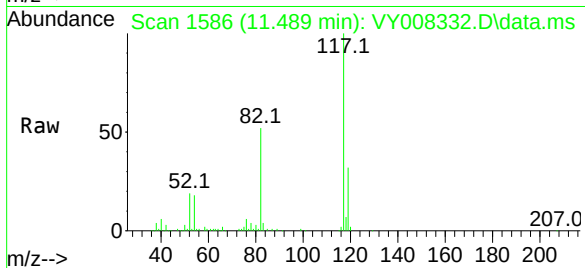
Tgt Ion:117 Resp: 64906

Ion Ratio Lower Upper

117 100

82 52.2 43.0 64.4

119 31.5 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: VY008332.D

Acq: 14 Apr 2022 17:01

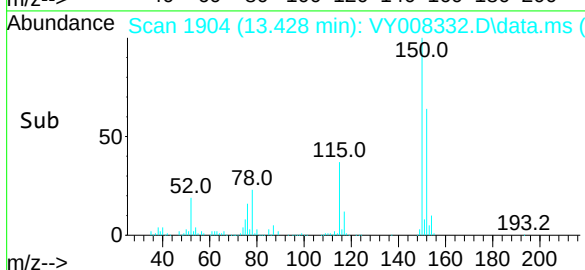
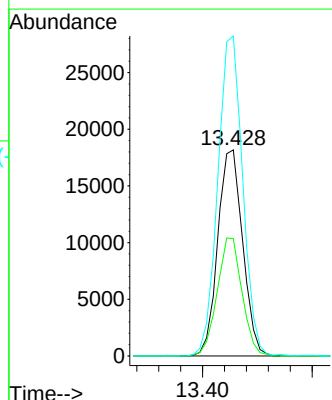
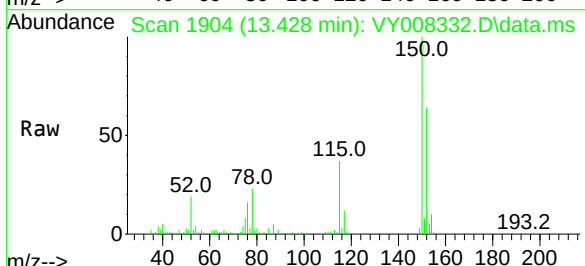
Tgt Ion:152 Resp: 28669

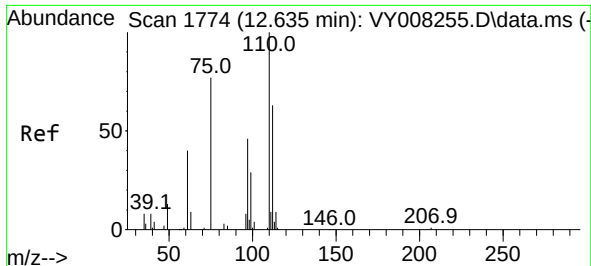
Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.7

150 155.2 0.0 347.6

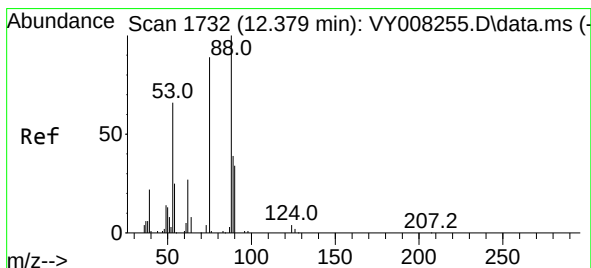
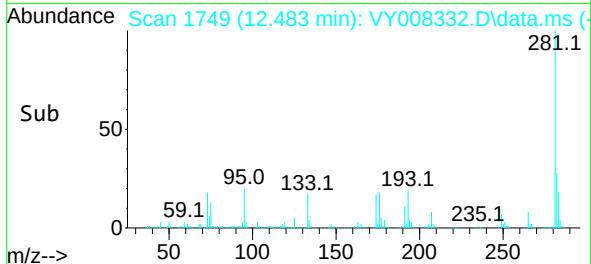
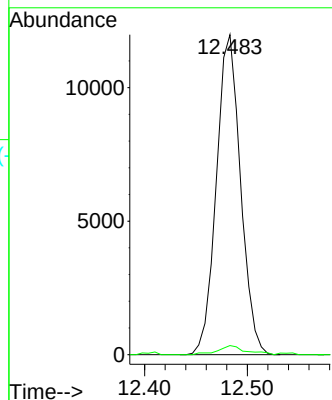
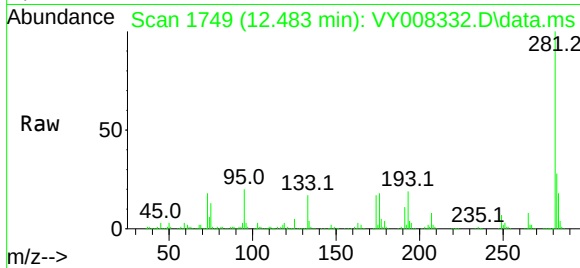




#76
 1,2,3-Trichloropropane
 Concen: 61.746 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008332.D
 Acq: 14 Apr 2022 17:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-2-11.5

Tgt Ion: 75 Resp: 19578
 Ion Ratio Lower Upper
 75 100
 77 3.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.155 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY008332.D
 Acq: 14 Apr 2022 17:01

Tgt Ion: 75 Resp: 19578
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 7.6 37.0 55.4#

