

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041522\
 Data File : VY008346.D
 Acq On : 15 Apr 2022 13:18
 Operator : KP/MD
 Sample : N2401-02
 Misc : 4.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-2-11.5

Quant Time: Apr 16 04:57:41 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

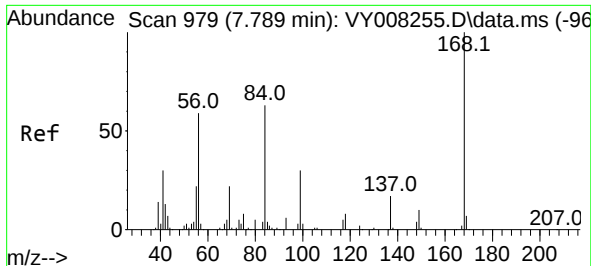
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	107147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	192662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	184576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	60150	59.764	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.520%	
35) Dibromofluoromethane	7.722	113	61279	55.068	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.140%	
50) Toluene-d8	10.179	98	230796	60.613	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 121.220%	
62) 4-Bromofluorobenzene	12.483	95	80576	56.261	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	237	Below Cal	#	79
5) Bromomethane	2.656	94	441	Below Cal	#	44
10) Methyl Iodide	4.101	142	360	2.652	ug/l #	65
11) Tert butyl alcohol	4.942	59	283	2.630	ug/l #	77
16) Acetone	3.942	43	322	1.330	ug/l #	47
18) Methyl Acetate	4.478	43	208	Below Cal	#	56
20) Methylene Chloride	4.722	84	2294	Below Cal	#	78
31) Cyclohexane	7.783	56	2111	1.160	ug/l #	9
36) 1,1-Dichloropropene	7.783	75	7907	4.450	ug/l #	52
38) Carbon Tetrachloride	7.789	117	10369	5.424	ug/l #	15
51) 4-Methyl-2-Pentanone	10.179	43	935	1.065	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	45398	50.331	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45398	112.614	ug/l #	8

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

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Response via : Initial Calibration

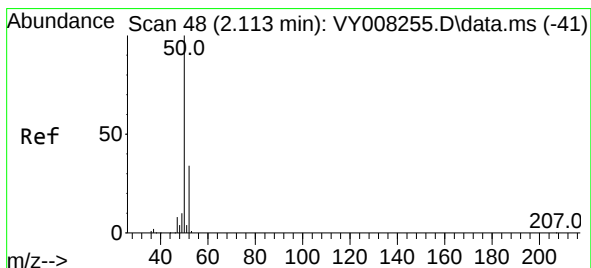
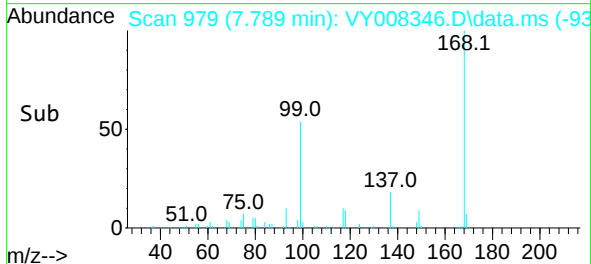
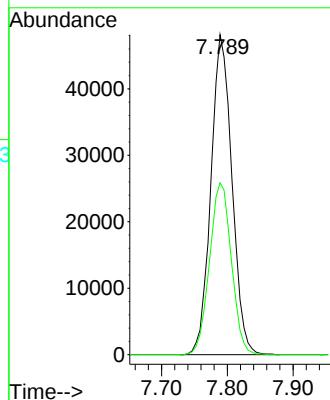
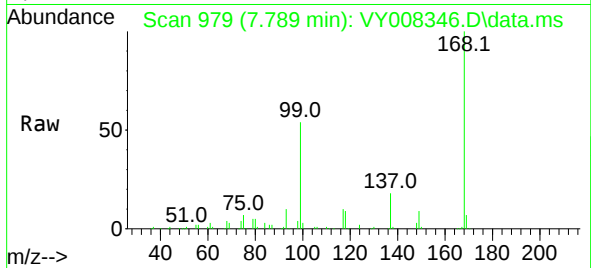




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

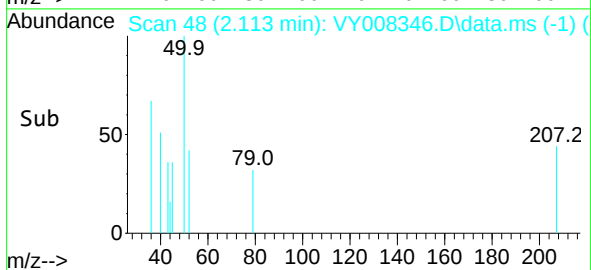
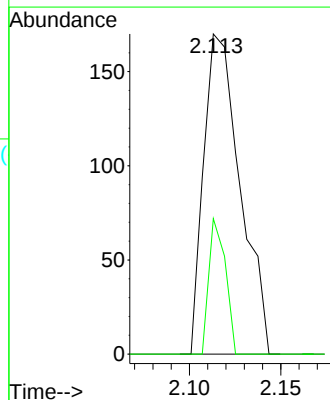
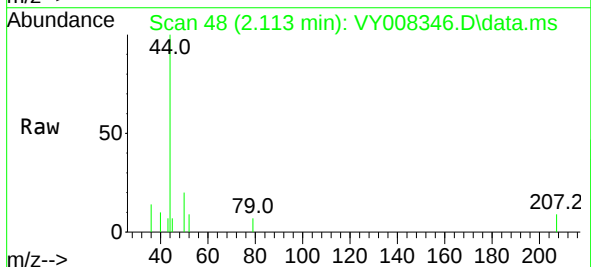
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-11.5

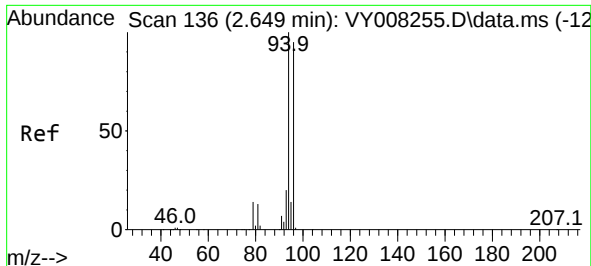
Tgt Ion:168 Resp: 107147
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

Tgt Ion: 50 Resp: 237
Ion Ratio Lower Upper
50 100
52 42.4 24.6 37.0#

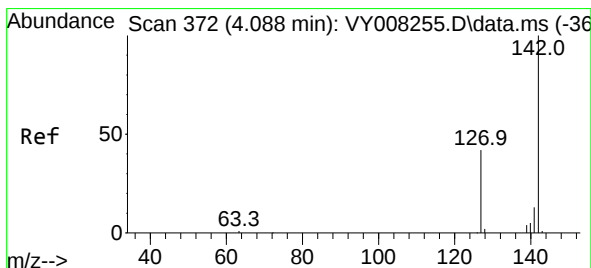
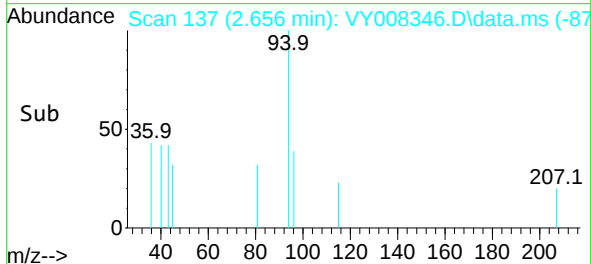
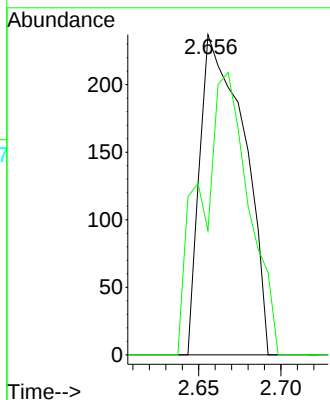
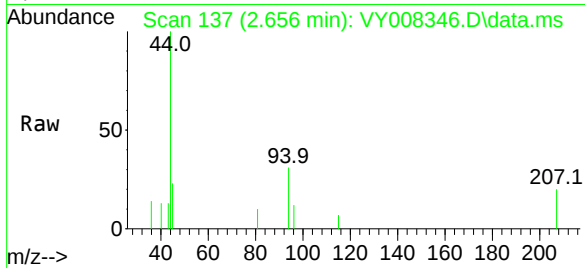




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

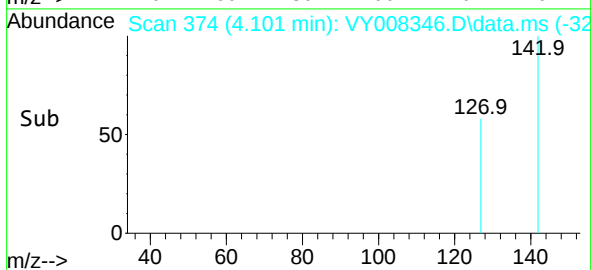
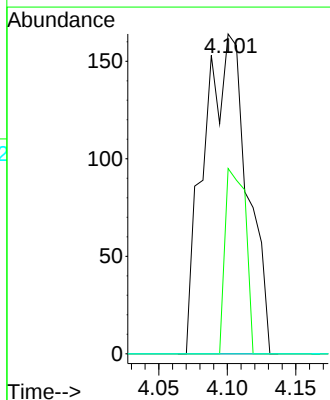
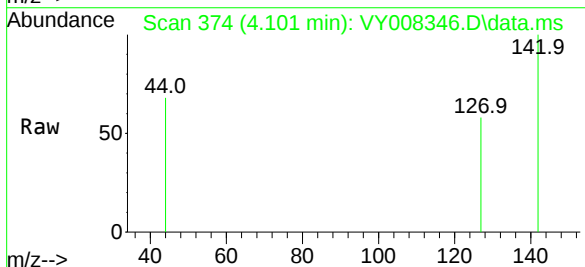
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-11.5

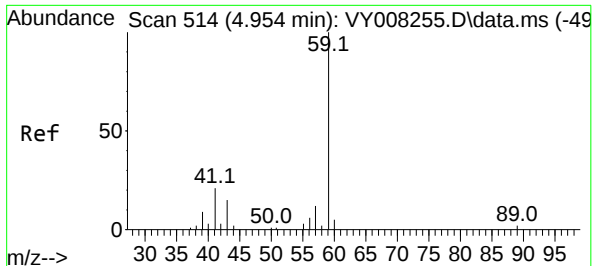
Tgt Ion: 94 Resp: 441
Ion Ratio Lower Upper
94 100
96 38.8 73.5 110.3#



#10
Methyl Iodide
Concen: 2.652 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

Tgt Ion:142 Resp: 360
Ion Ratio Lower Upper
142 100
127 27.2 41.5 62.3#
141 0.0 11.9 17.9#

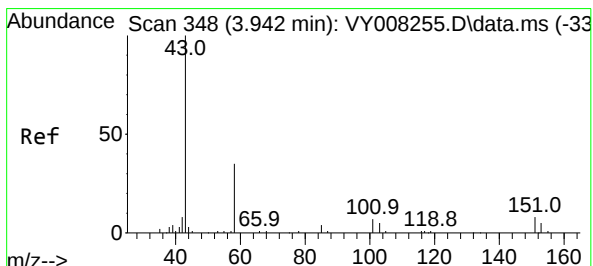
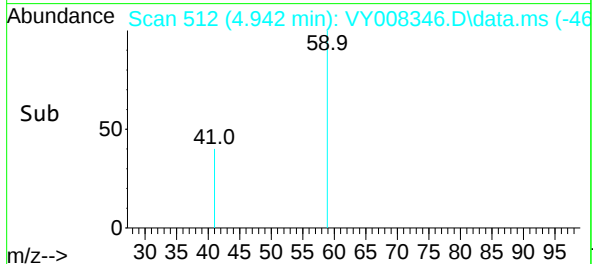
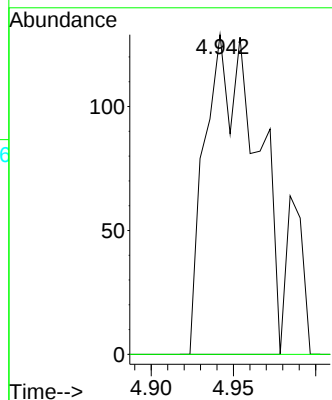
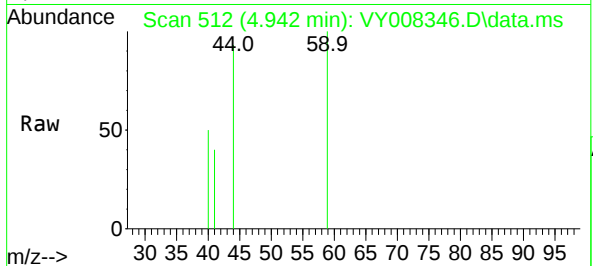




#11
Tert butyl alcohol
Concen: 2.630 ug/l
RT: 4.942 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

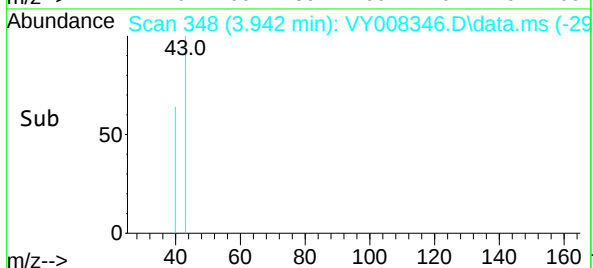
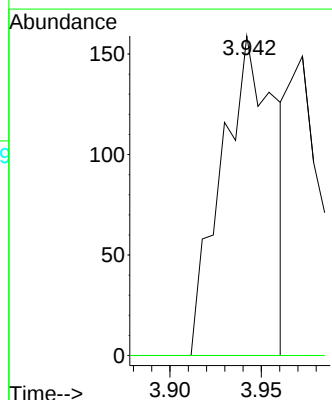
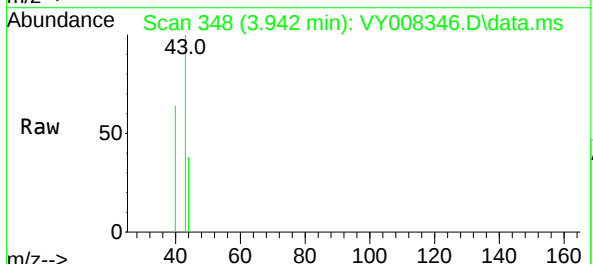
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-11.5

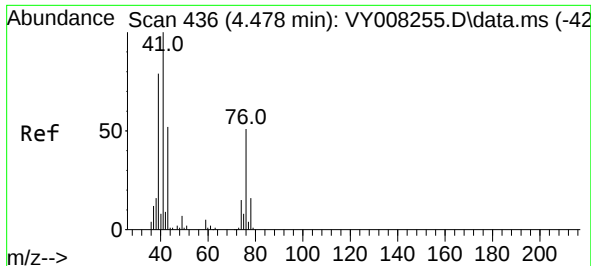
Tgt Ion: 59 Resp: 283
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.330 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

Tgt Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY008346.D

Acq: 15 Apr 2022 13:18

Instrument :

MSVOA_Y

ClientSampleId :

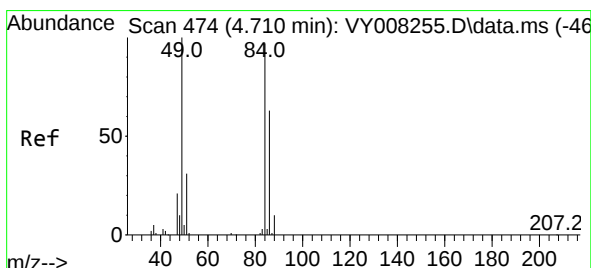
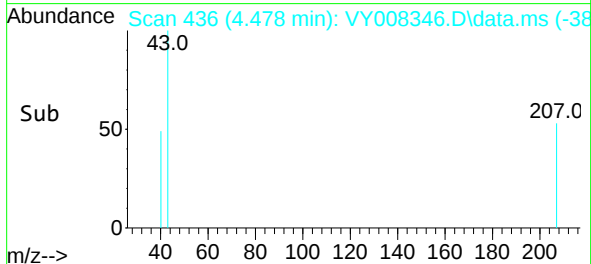
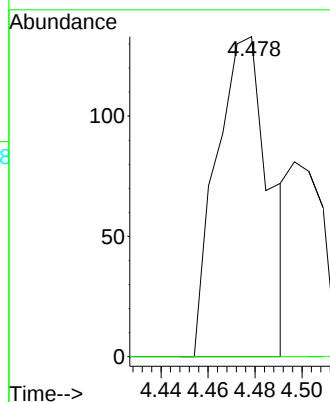
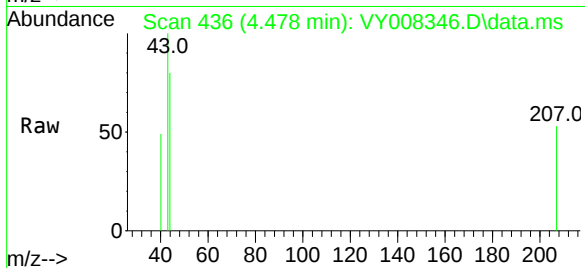
CL-2-11.5

Tgt Ion: 43 Resp: 208

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.012 min

Lab File: VY008346.D

Acq: 15 Apr 2022 13:18

Tgt Ion: 84 Resp: 2294

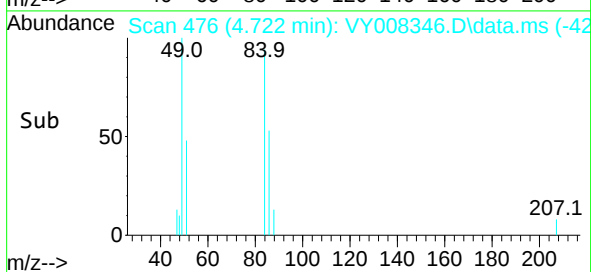
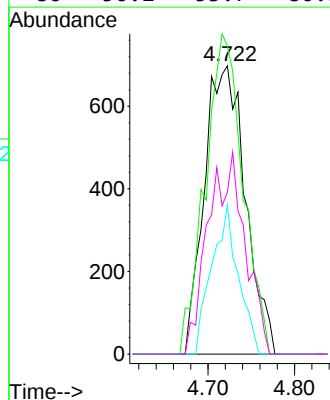
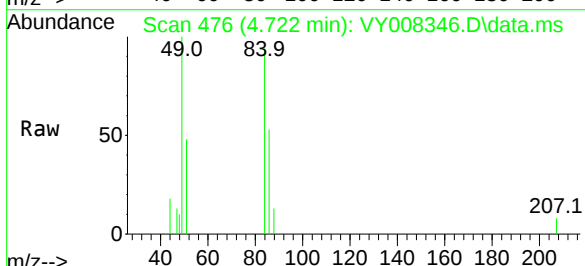
Ion Ratio Lower Upper

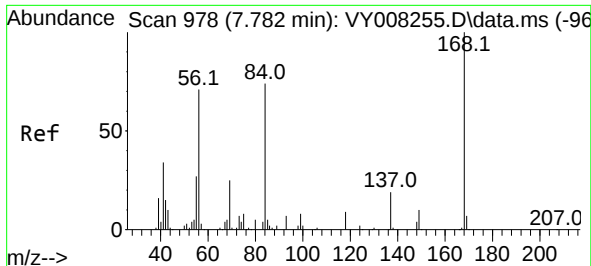
84 100

49 106.9 114.4 171.6#

51 51.7 35.3 52.9

86 56.2 53.7 80.5

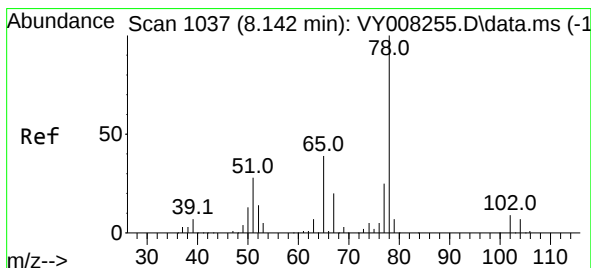
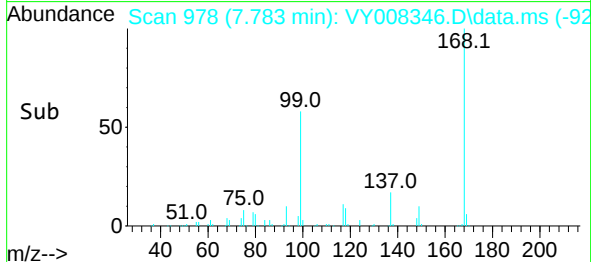
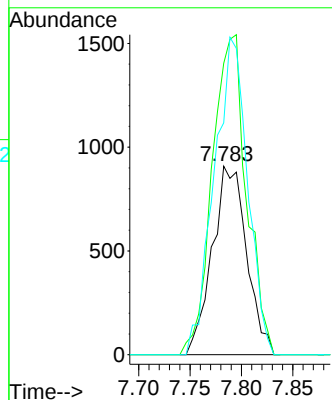
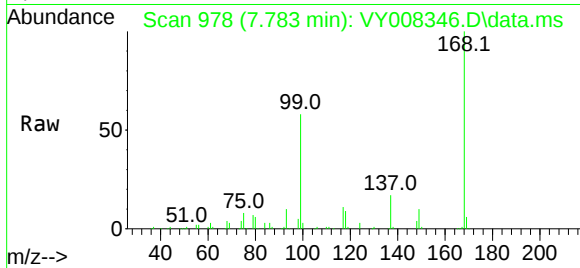




#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

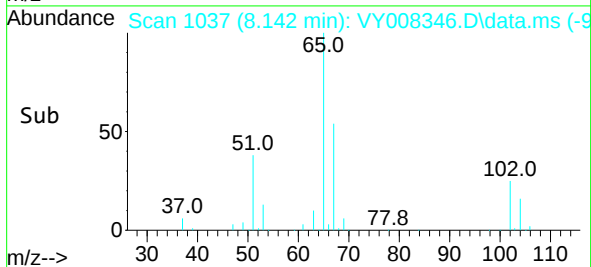
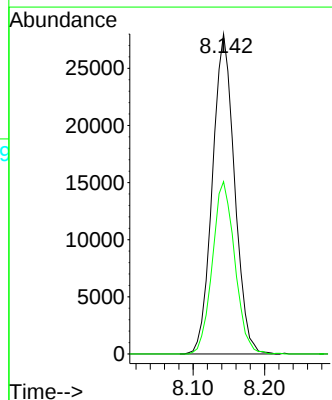
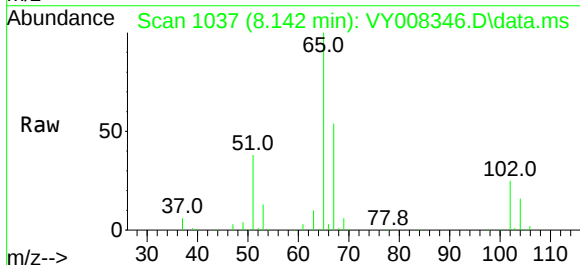
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-11.5

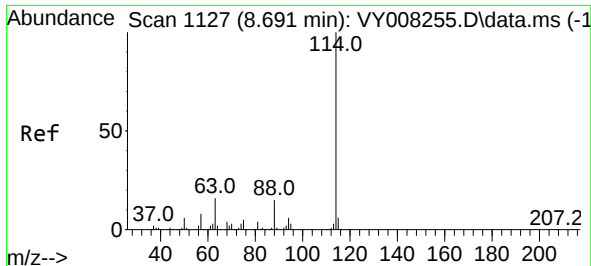
Tgt Ion: 56 Resp: 2111
Ion Ratio Lower Upper
56 100
69 154.6 26.7 40.1#
84 123.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 59.764 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

Tgt Ion: 65 Resp: 60150
Ion Ratio Lower Upper
65 100
67 54.5 0.0 99.4

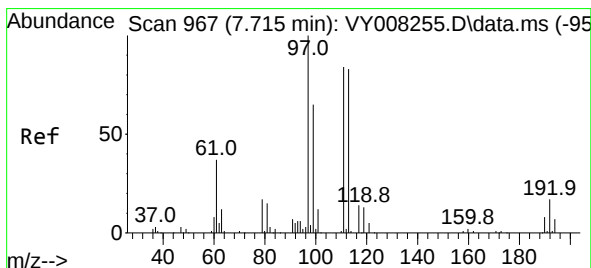
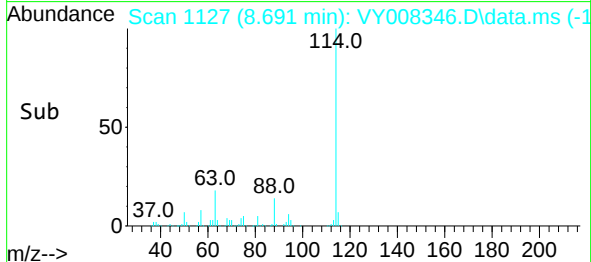
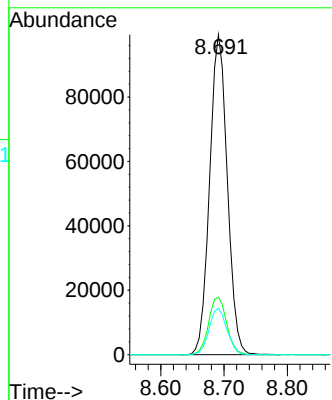
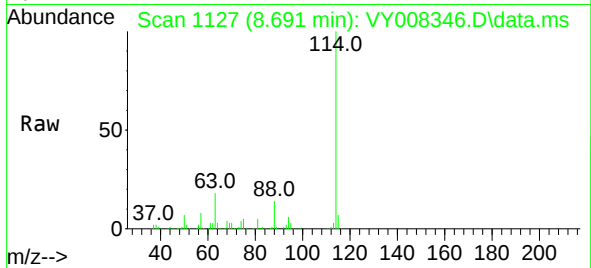




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

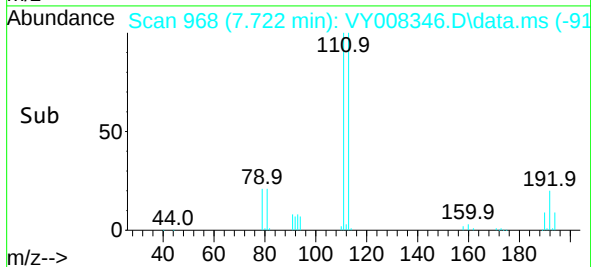
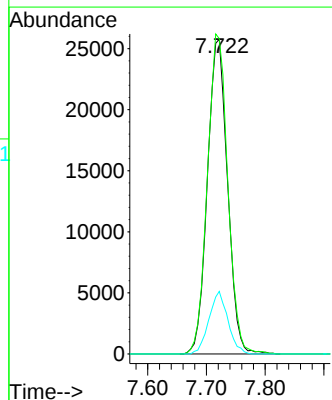
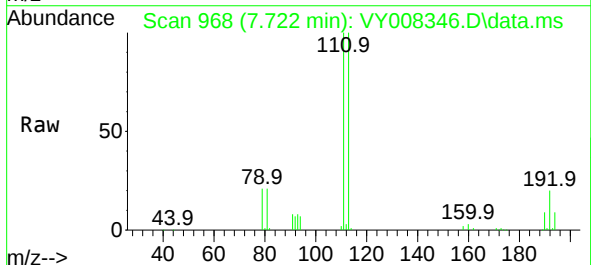
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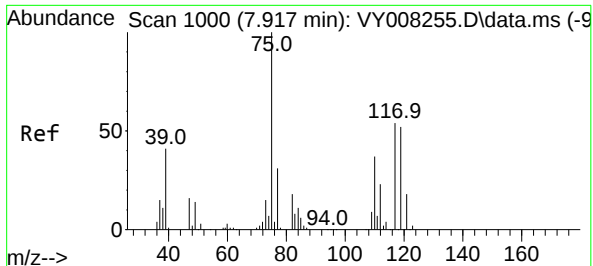
Tgt Ion:114 Resp: 192662
Ion Ratio Lower Upper
114 100
63 18.0 0.0 43.2
88 14.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.068 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.007 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

Tgt Ion:113 Resp: 61279
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 18.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.450 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008346.D

Acq: 15 Apr 2022 13:18

Instrument :

MSVOA_Y

ClientSampleId :

CL-2-11.5

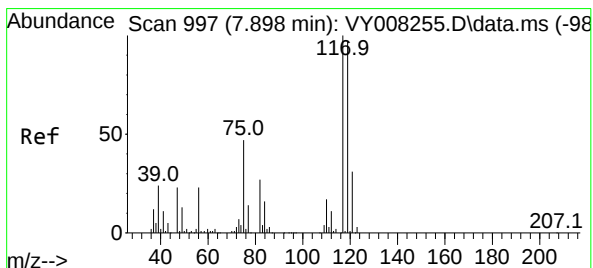
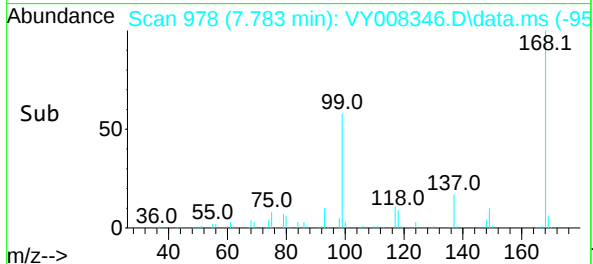
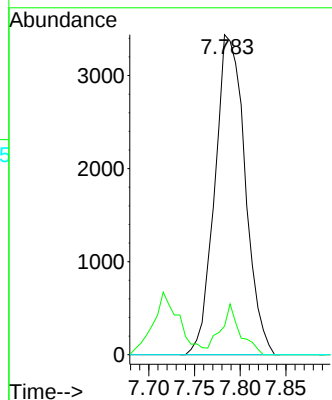
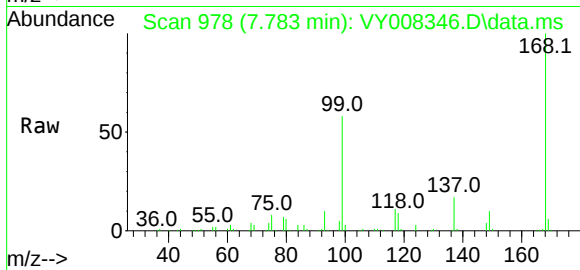
Tgt Ion: 75 Resp: 7907

Ion Ratio Lower Upper

75 100

110 10.1 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.424 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY008346.D

Acq: 15 Apr 2022 13:18

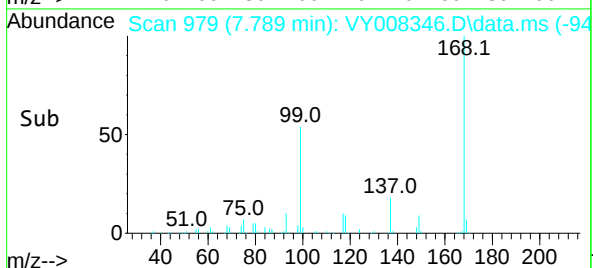
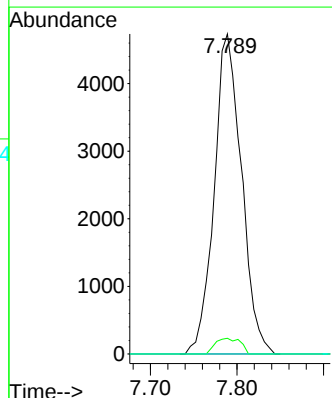
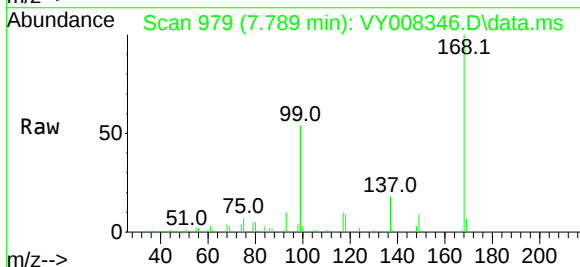
Tgt Ion: 117 Resp: 10369

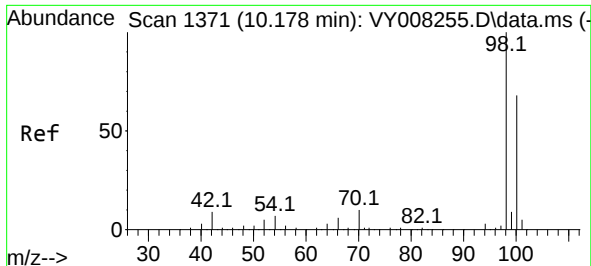
Ion Ratio Lower Upper

117 100

119 4.9 77.9 116.9#

121 0.0 24.8 37.2#

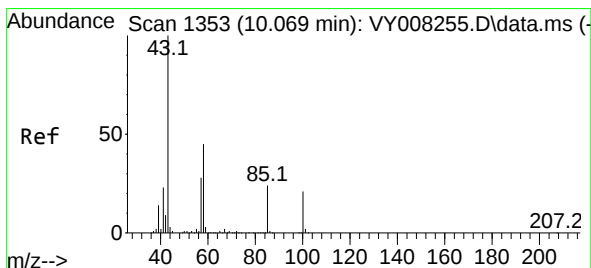
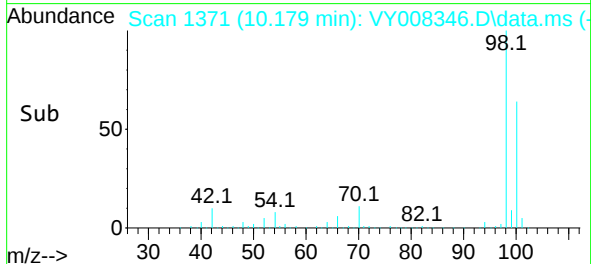
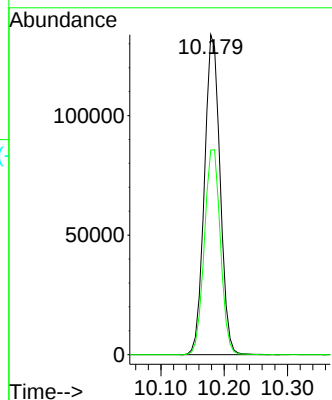
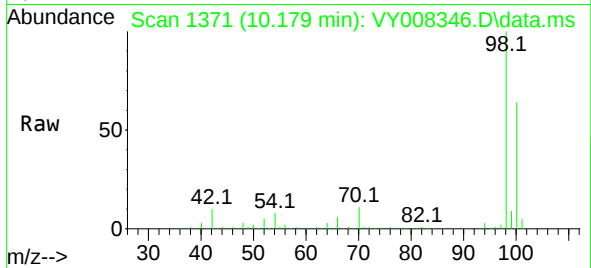




#50
Toluene-d8
Concen: 60.613 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

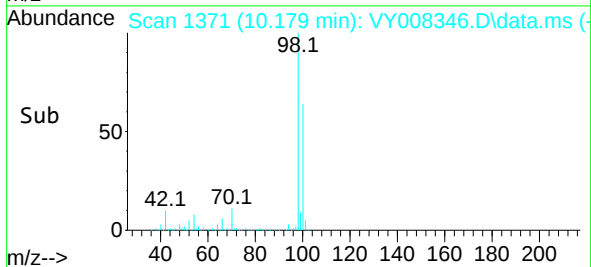
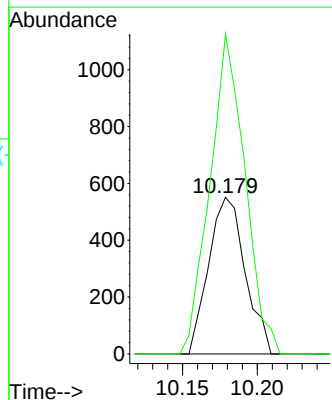
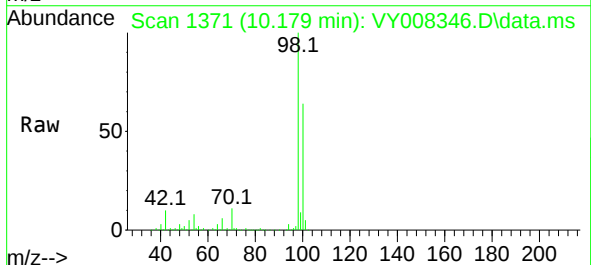
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-11.5

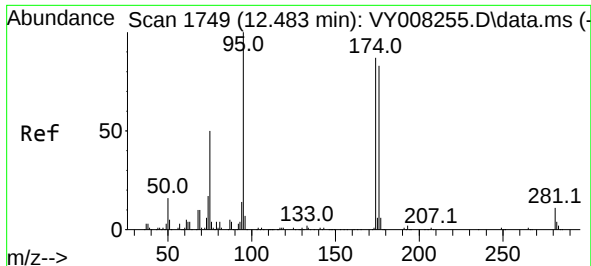
Tgt Ion: 98 Resp: 230796
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.065 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

Tgt Ion: 43 Resp: 935
Ion Ratio Lower Upper
43 100
58 196.5 28.1 42.1#

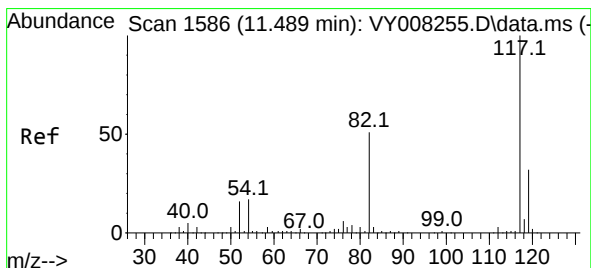
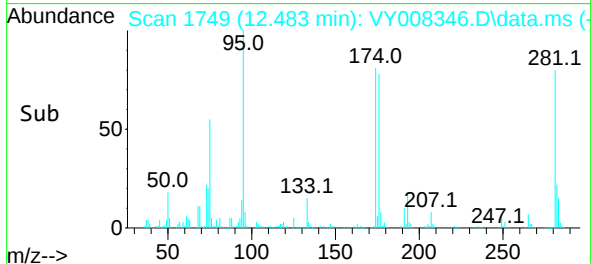
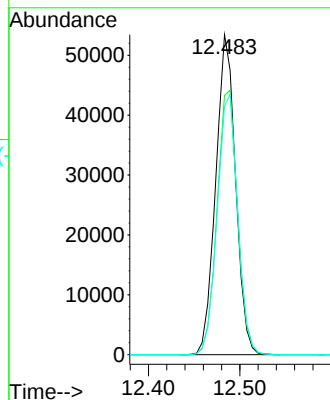
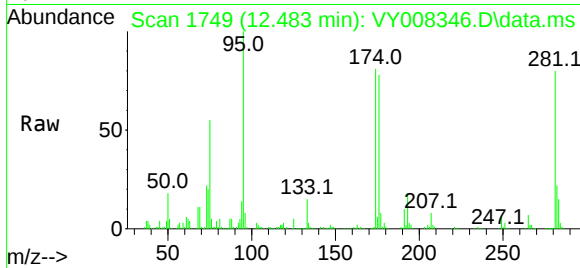




#62
4-Bromofluorobenzene
Concen: 56.261 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

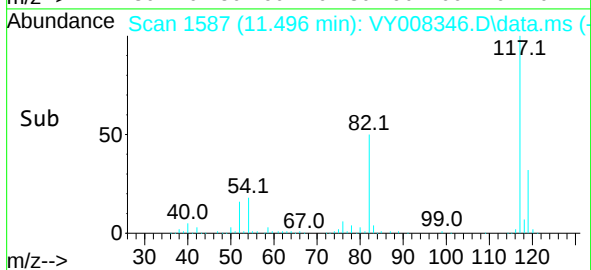
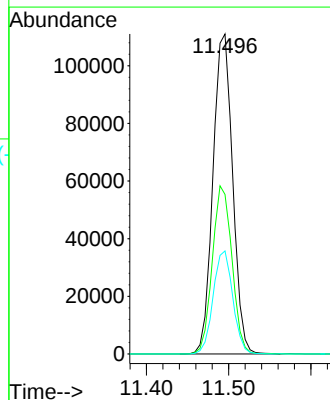
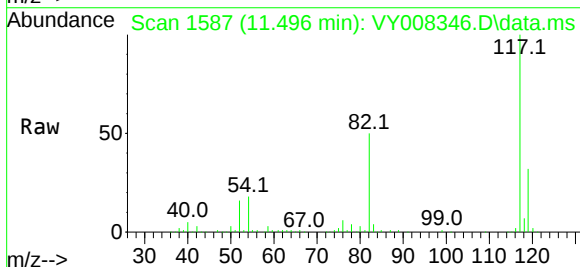
Instrument :
MSVOA_Y
ClientSampleId :
CL-2-11.5

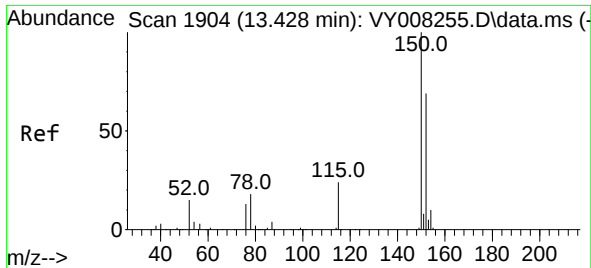
Tgt Ion: 95 Resp: 80576
Ion Ratio Lower Upper
95 100
174 85.8 0.0 177.0
176 83.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY008346.D
Acq: 15 Apr 2022 13:18

Tgt Ion: 117 Resp: 184576
Ion Ratio Lower Upper
117 100
82 49.9 43.0 64.4
119 32.2 25.4 38.0

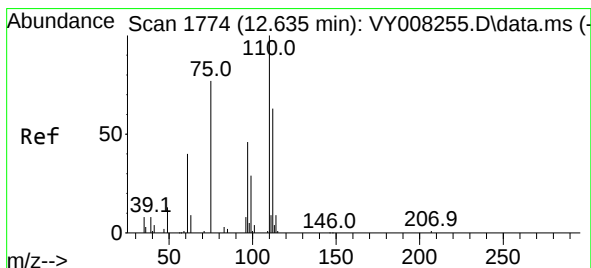
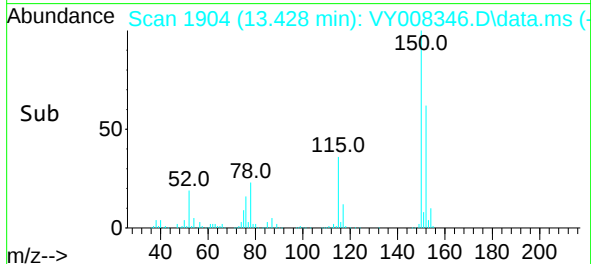
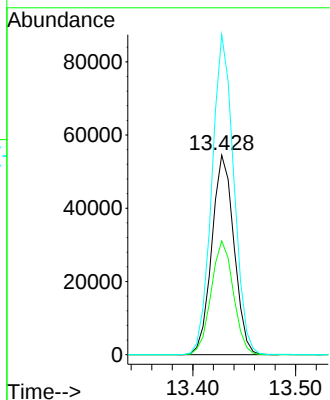
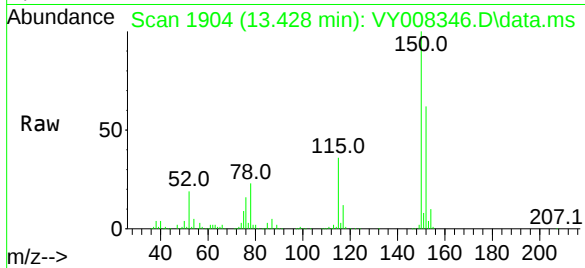




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008346.D
 Acq: 15 Apr 2022 13:18

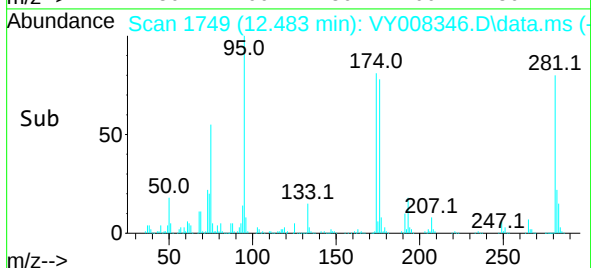
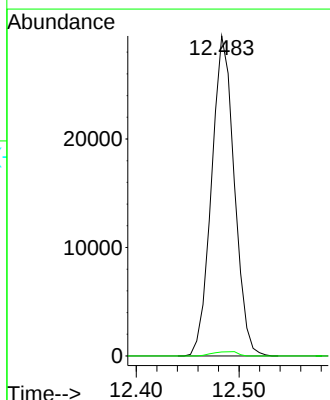
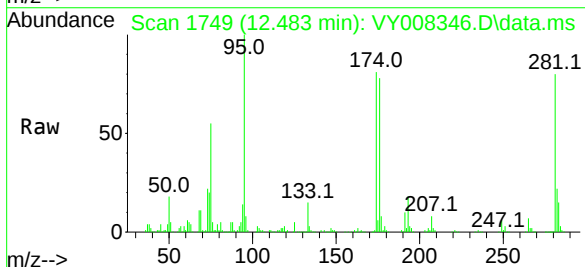
Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-2-11.5

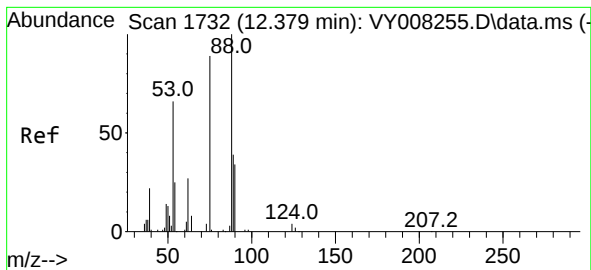
Tgt Ion:152 Resp: 81556
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.2 84.7
 150 158.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 50.331 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008346.D
 Acq: 15 Apr 2022 13:18

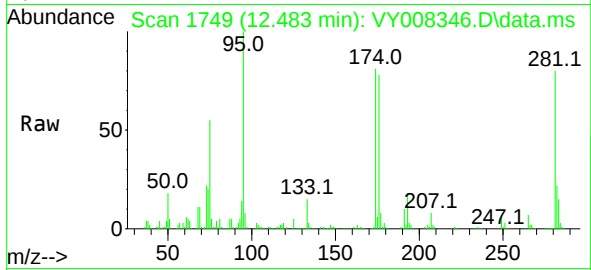
Tgt Ion: 75 Resp: 45398
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.614 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008346.D
 Acq: 15 Apr 2022 13:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-2-11.5



Tgt Ion: 75 Resp: 45398
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 2.7 37.0 55.4#

