

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041422\
 Data File : VY008333.D
 Acq On : 14 Apr 2022 17:25
 Operator : KP/MD
 Sample : N2401-03
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-3-11.5

Quant Time: Apr 15 06:16:13 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)

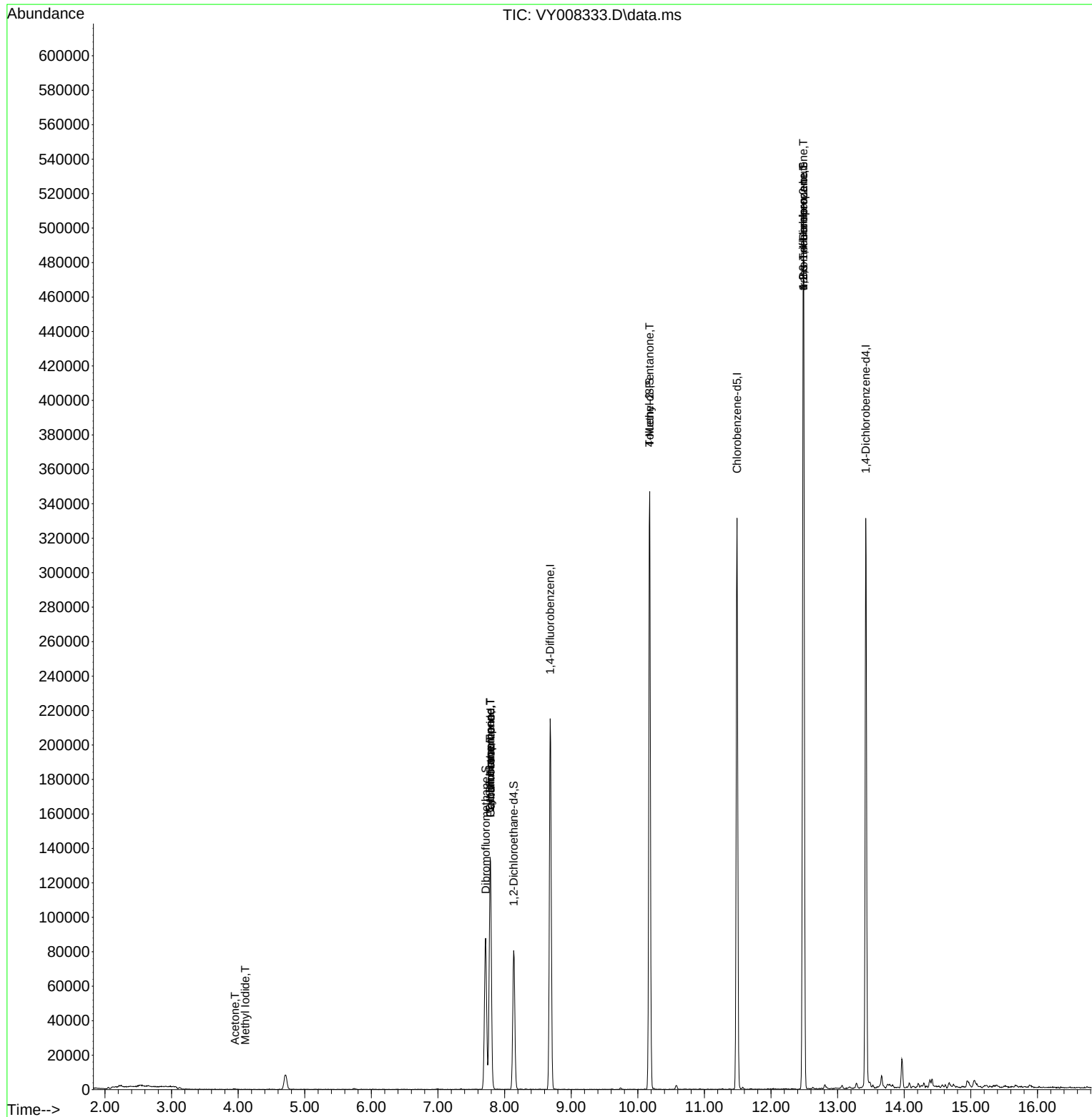
Internal Standards						
1) Pentafluorobenzene	7.789	168	106358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	193847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	184972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	61887	61.946	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.900%			
35) Dibromofluoromethane	7.716	113	60799	54.303	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.600%			
50) Toluene-d8	10.179	98	231790	60.502	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 121.000%			
62) 4-Bromofluorobenzene	12.483	95	81549	56.593	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.180%			
Target Compounds						
3) Chloromethane	2.107	50	237	Below Cal	#	44
5) Bromomethane	2.643	94	271	Below Cal	#	58
10) Methyl Iodide	4.107	142	119	2.478	ug/l #	35
16) Acetone	3.954	43	377	1.569	ug/l #	47
18) Methyl Acetate	4.485	43	102	Below Cal	#	56
20) Methylene Chloride	4.710	84	6868	Below Cal	#	72
31) Cyclohexane	7.783	56	2145	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8220	4.598	ug/l #	51
38) Carbon Tetrachloride	7.789	117	11015	5.727	ug/l #	14
51) 4-Methyl-2-Pentanone	10.179	43	937	1.061	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	45605	49.699	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45605	111.201	ug/l #	8

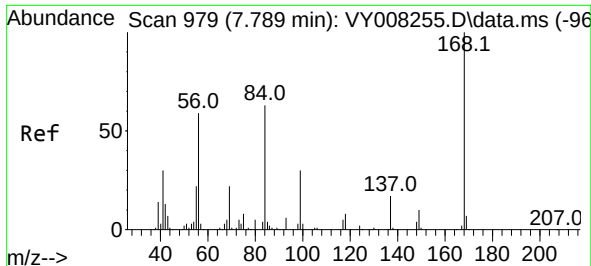
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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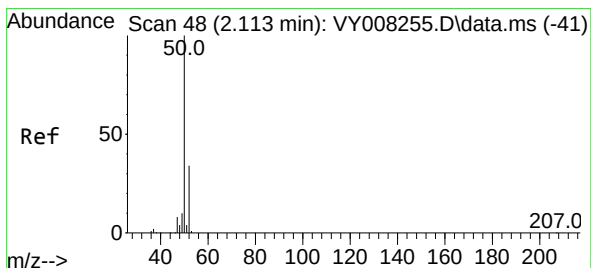
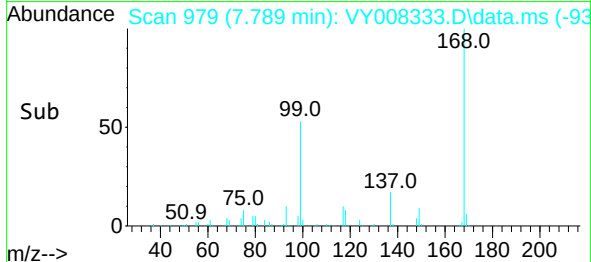
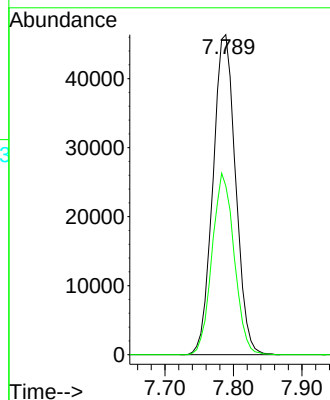
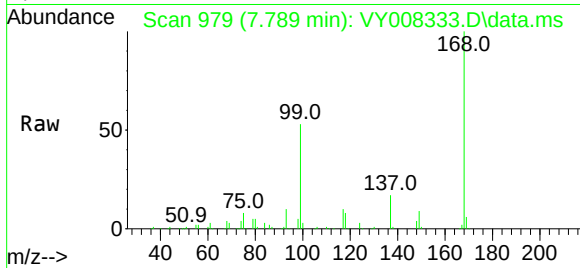




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

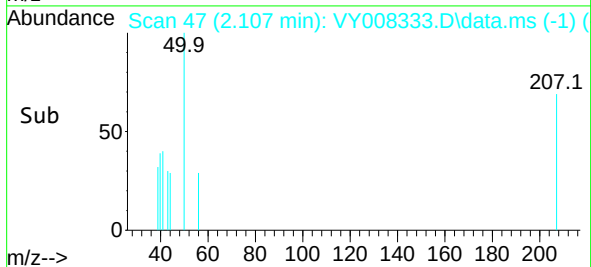
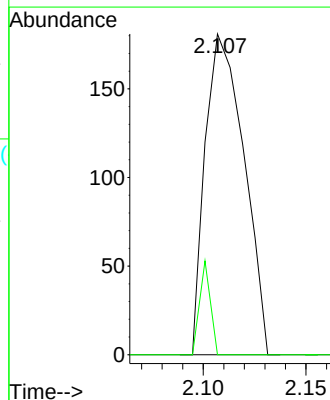
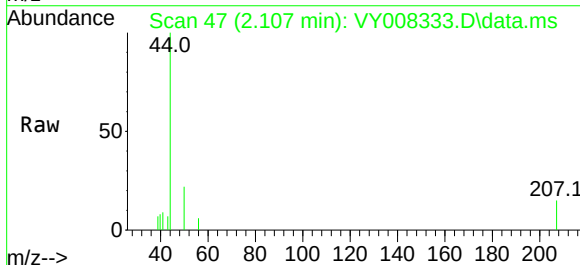
Instrument :
MSVOA_Y
ClientSampleId :
CL-3-11.5

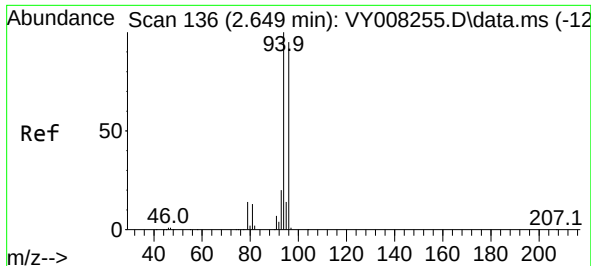
Tgt Ion:168 Resp: 106358
Ion Ratio Lower Upper
168 100
99 52.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

Tgt Ion: 50 Resp: 237
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

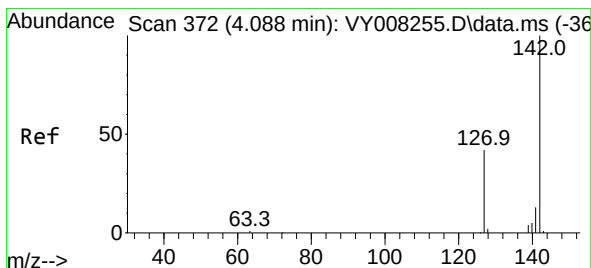
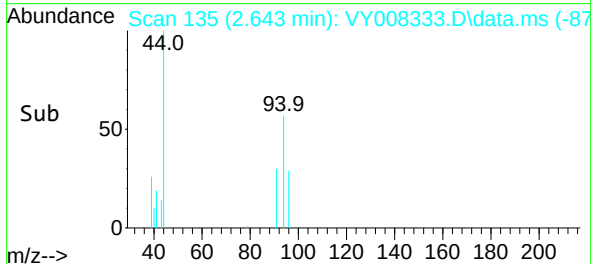
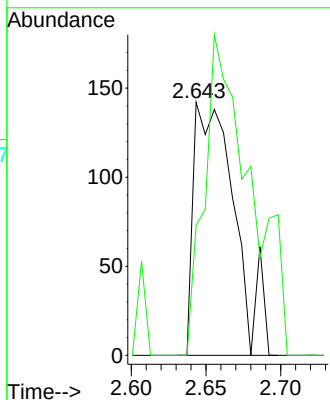
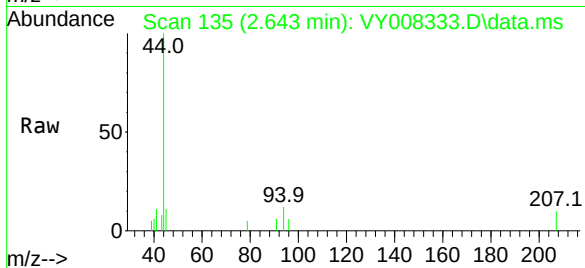




#5
Bromomethane
Concen: Below Cal
RT: 2.643 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

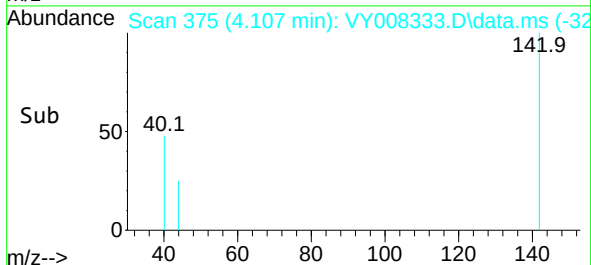
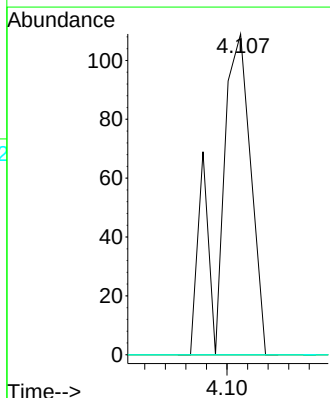
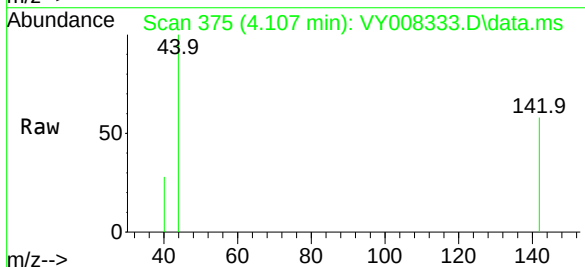
Instrument :
MSVOA_Y
ClientSampleId :
CL-3-11.5

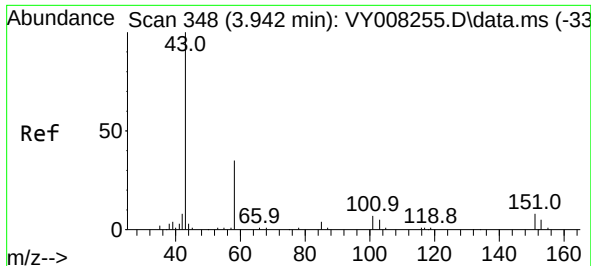
Tgt Ion: 94 Resp: 271
Ion Ratio Lower Upper
94 100
96 51.4 73.5 110.3#



#10
Methyl Iodide
Concen: 2.478 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

Tgt Ion: 142 Resp: 119
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

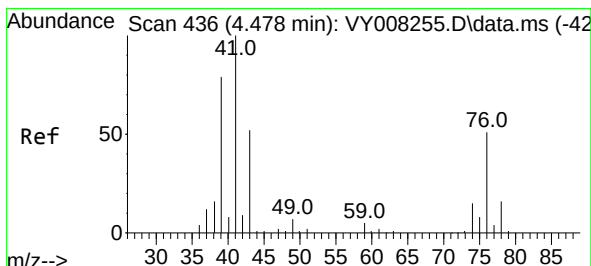
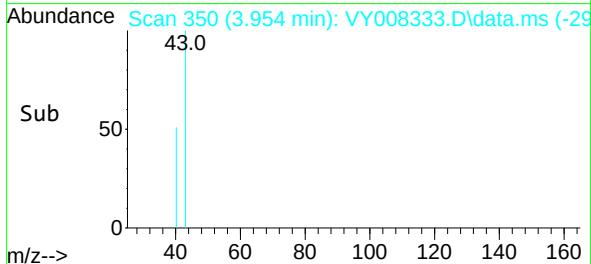
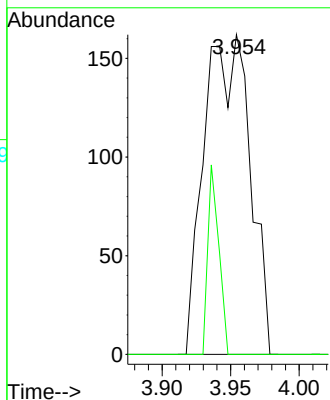
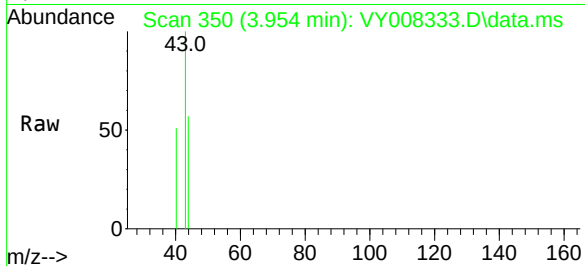




#16
Acetone
Concen: 1.569 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

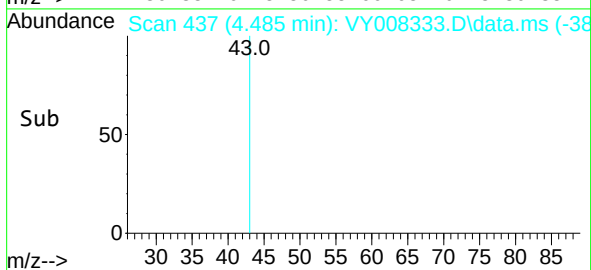
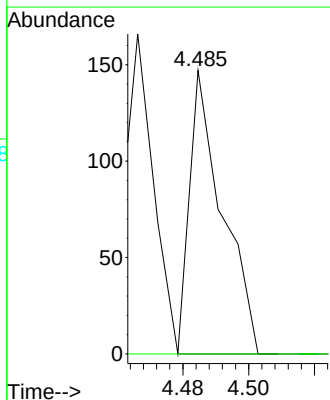
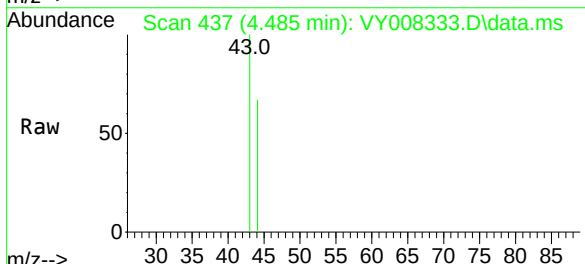
Instrument :
MSVOA_Y
ClientSampleId :
CL-3-11.5

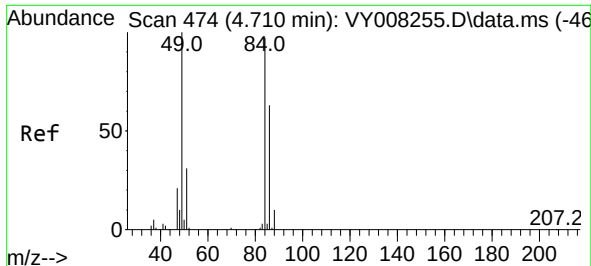
Tgt Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.007 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

Tgt Ion: 43 Resp: 102
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY008333.D

Acq: 14 Apr 2022 17:25

Instrument :

MSVOA_Y

ClientSampleId :

CL-3-11.5

Tgt Ion: 84 Resp: 6868

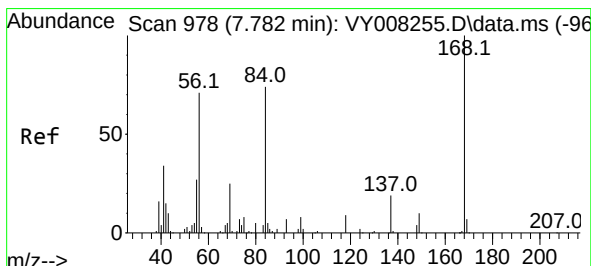
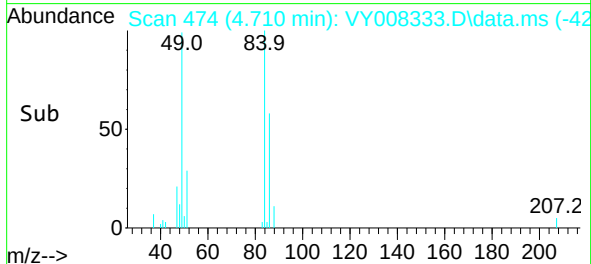
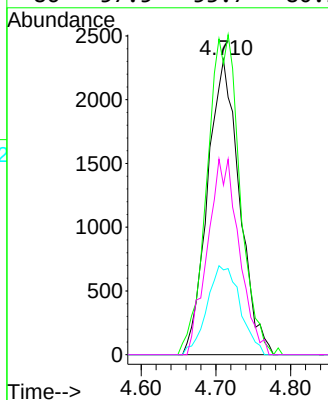
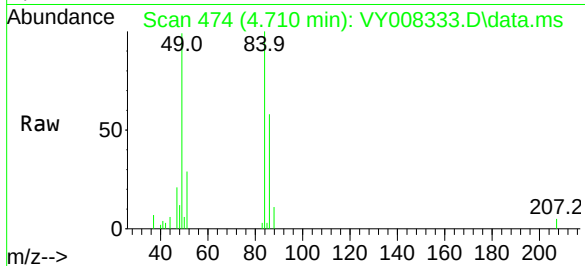
Ion Ratio Lower Upper

84 100

49 98.6 114.4 171.6#

51 28.8 35.3 52.9#

86 57.5 53.7 80.5



#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.001 min

Lab File: VY008333.D

Acq: 14 Apr 2022 17:25

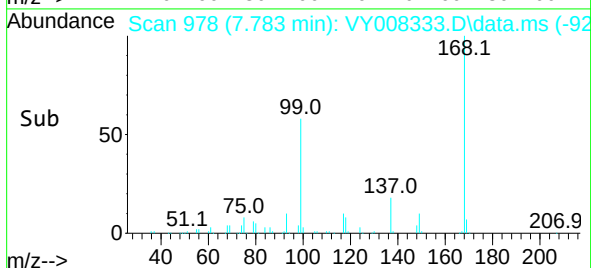
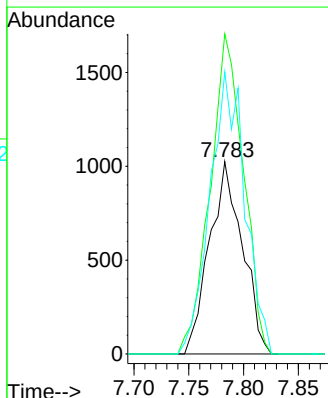
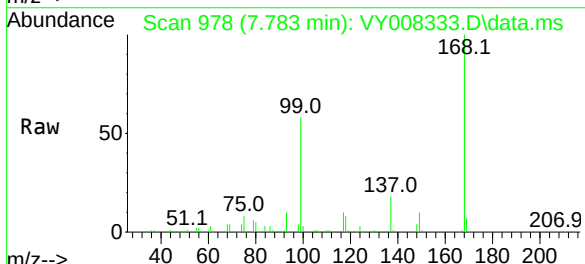
Tgt Ion: 56 Resp: 2145

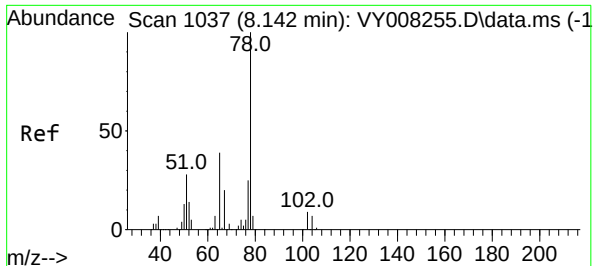
Ion Ratio Lower Upper

56 100

69 166.3 26.7 40.1#

84 146.6 67.2 100.8#

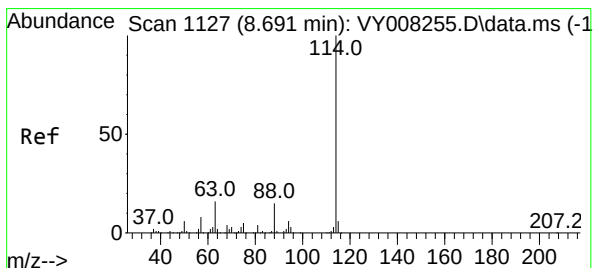
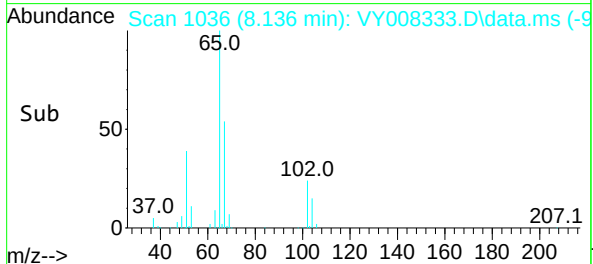
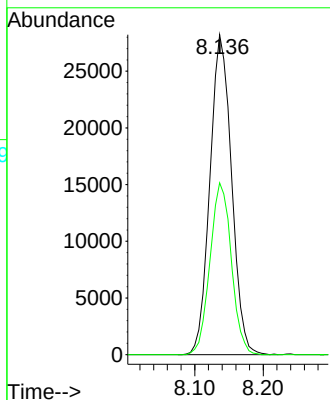
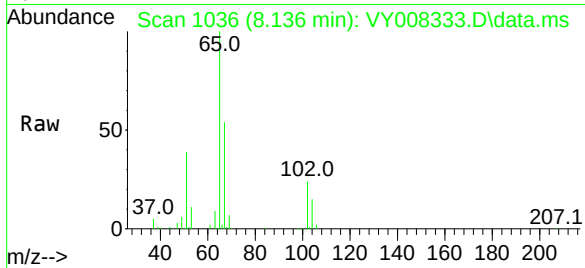




#33
1,2-Dichloroethane-d4
Concen: 61.946 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

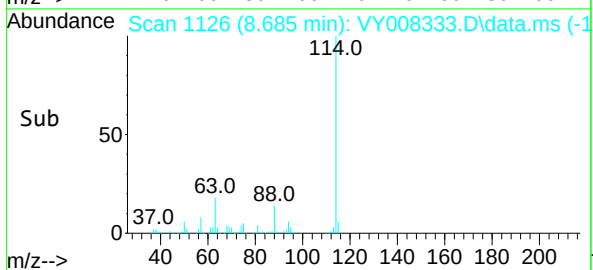
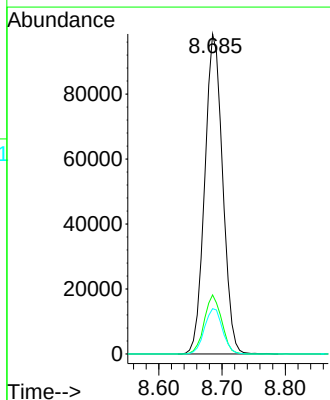
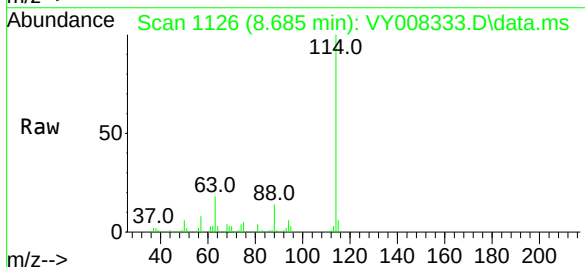
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CL-3-11.5

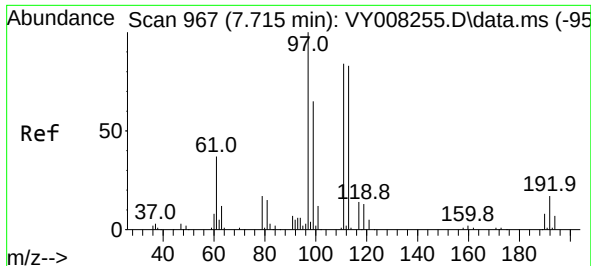
Tgt Ion: 65 Resp: 61887
Ion Ratio Lower Upper
65 100
67 52.9 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

Tgt Ion: 114 Resp: 193847
Ion Ratio Lower Upper
114 100
63 18.5 0.0 43.2
88 14.1 0.0 31.8

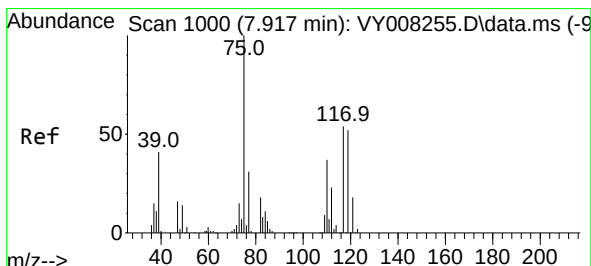
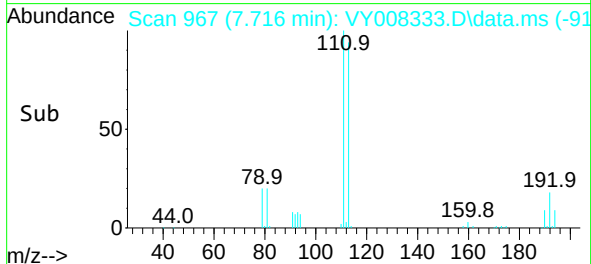
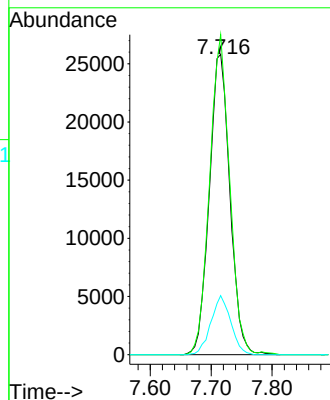
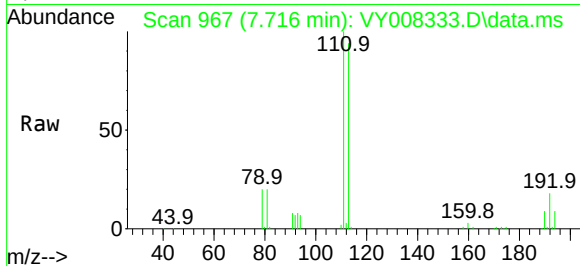




#35
Dibromofluoromethane
Concen: 54.303 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.001 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

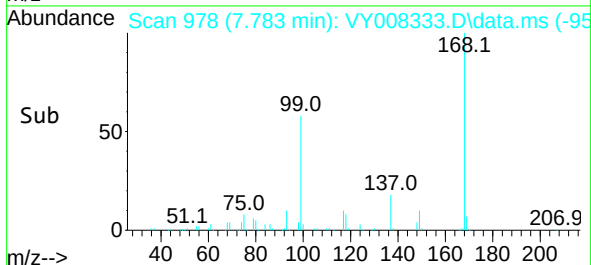
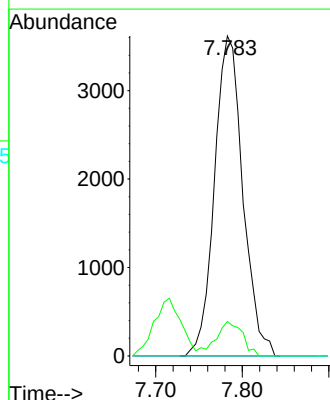
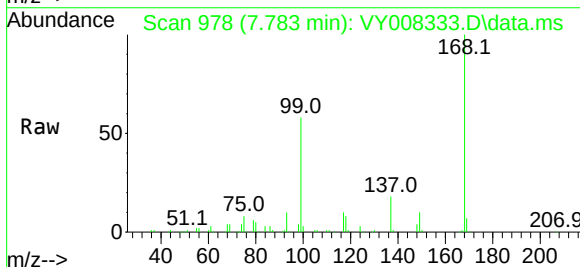
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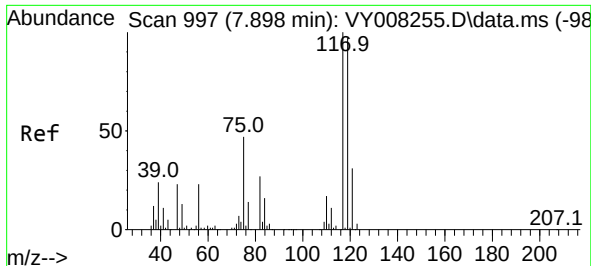
Tgt Ion:113 Resp: 60799
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 18.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.598 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

Tgt Ion: 75 Resp: 8220
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#

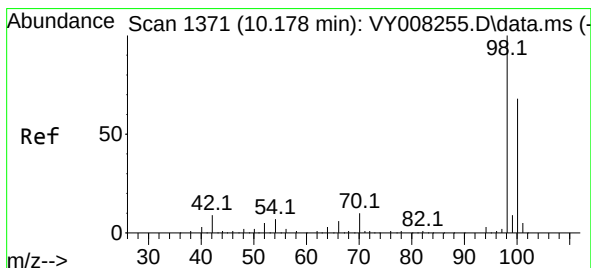
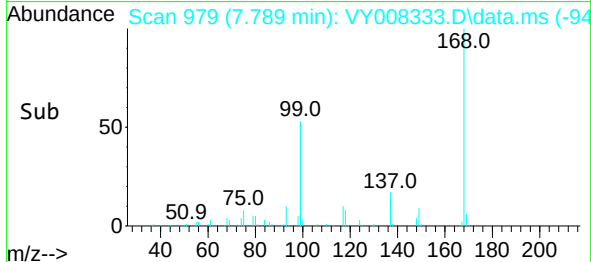
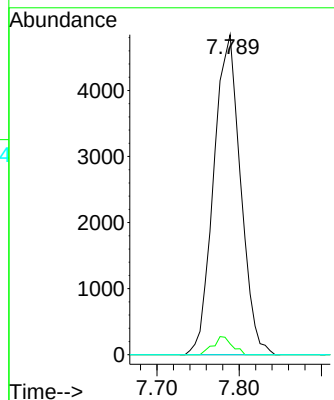
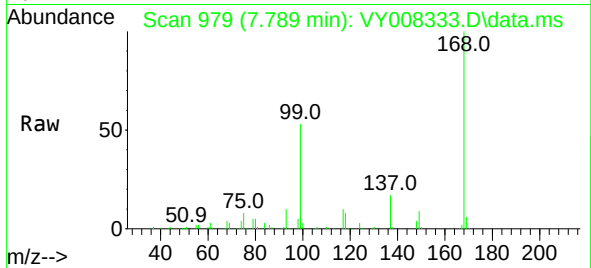




#38
Carbon Tetrachloride
Concen: 5.727 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

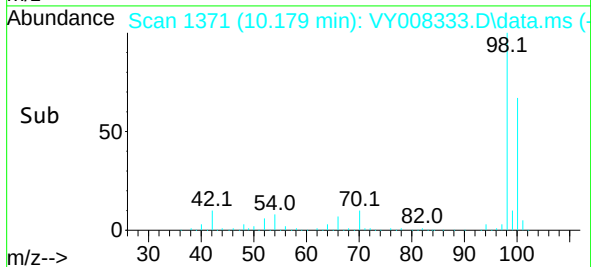
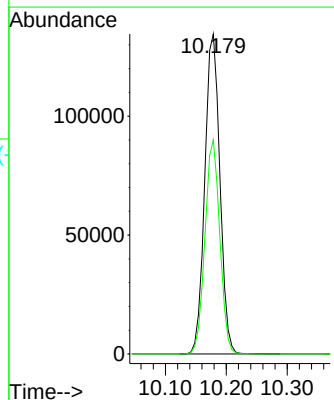
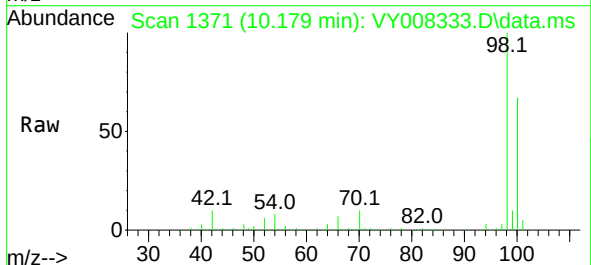
Instrument :
MSVOA_Y
ClientSampleId :
CL-3-11.5

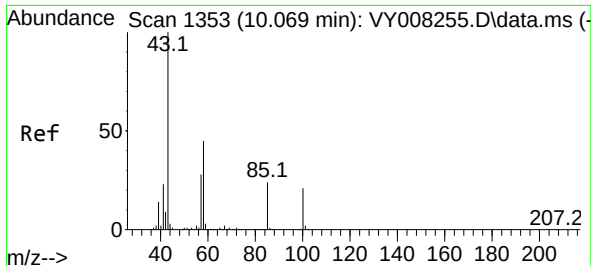
Tgt Ion:117 Resp: 11015
Ion Ratio Lower Upper
117 100
119 3.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 60.502 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

Tgt Ion: 98 Resp: 231790
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2

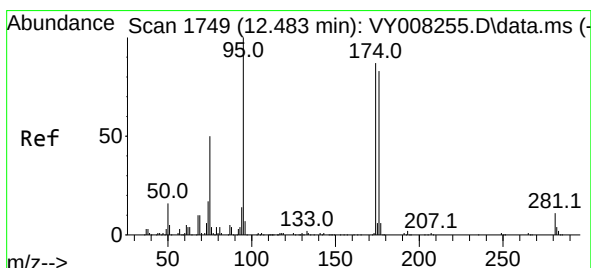
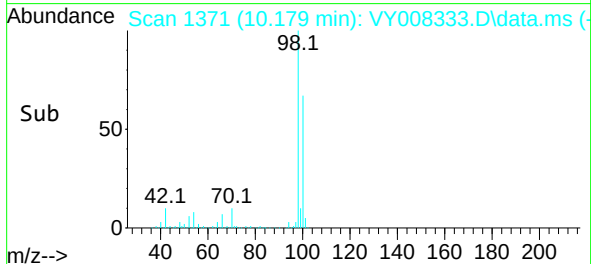
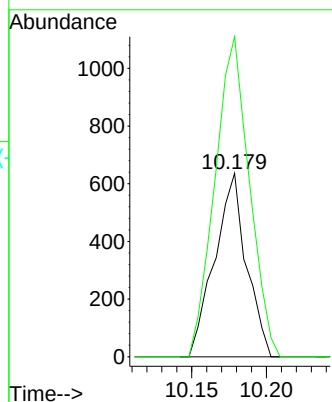
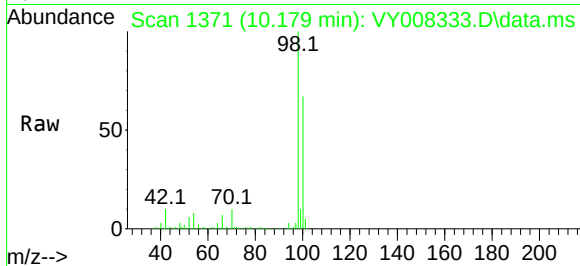




#51
4-Methyl-2-Pentanone
Concen: 1.061 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

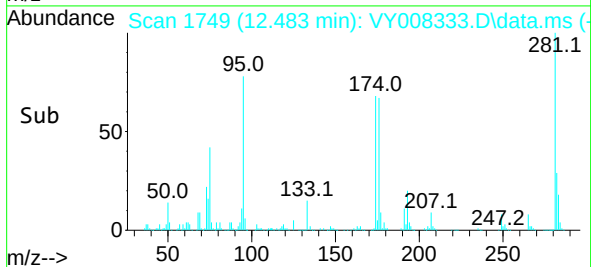
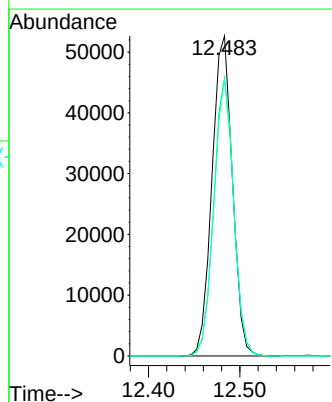
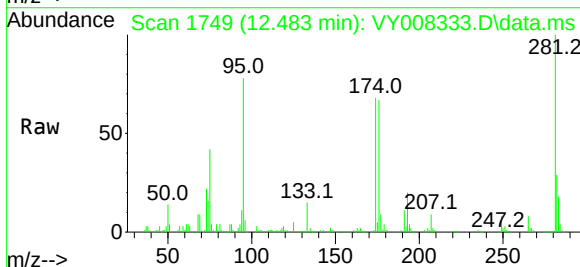
Instrument :
MSVOA_Y
ClientSampleId :
CL-3-11.5

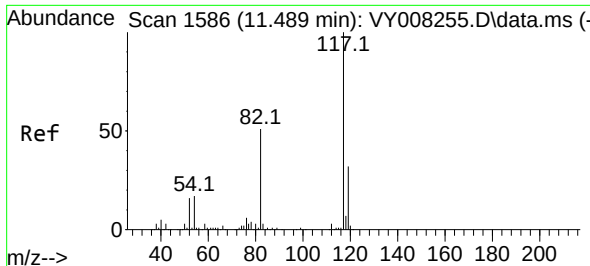
Tgt Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
58 189.4 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 56.593 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

Tgt Ion: 95 Resp: 81549
Ion Ratio Lower Upper
95 100
174 84.7 0.0 177.0
176 83.9 0.0 175.8

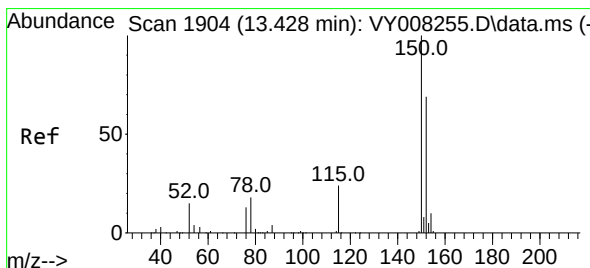
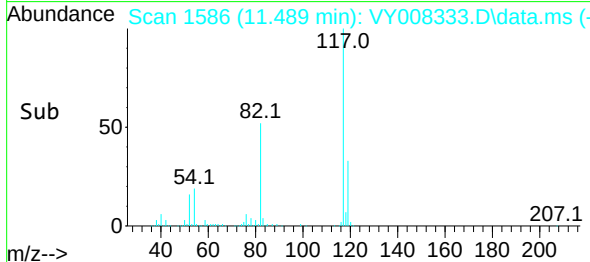
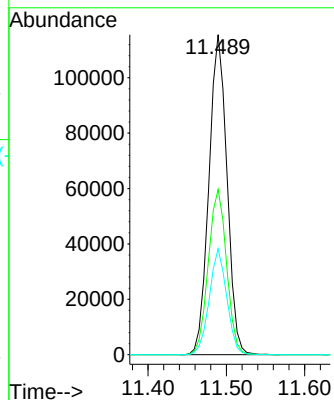
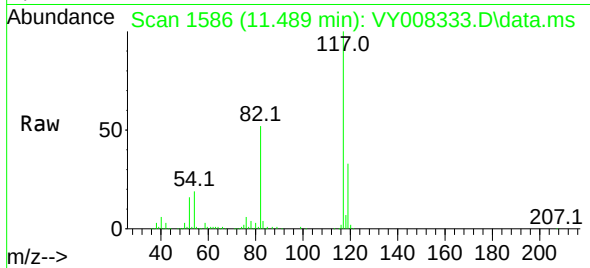




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

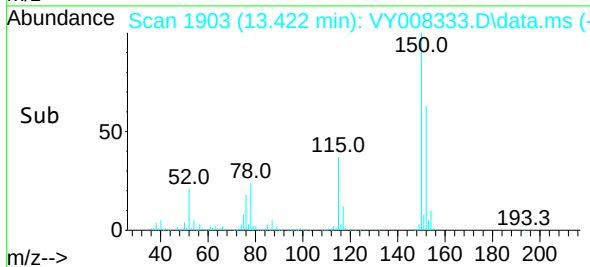
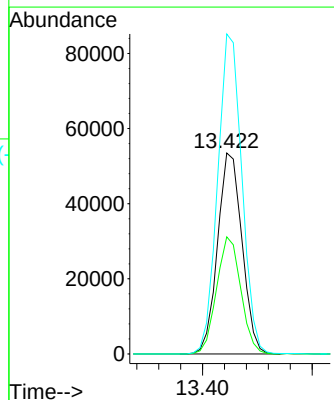
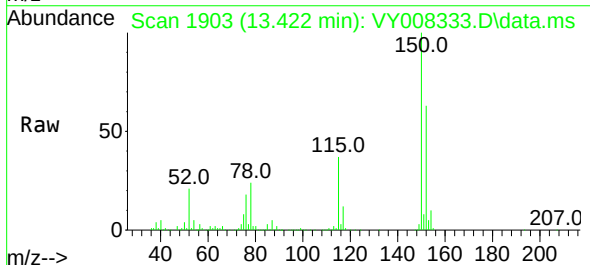
Instrument :
MSVOA_Y
ClientSampleId :
CL-3-11.5

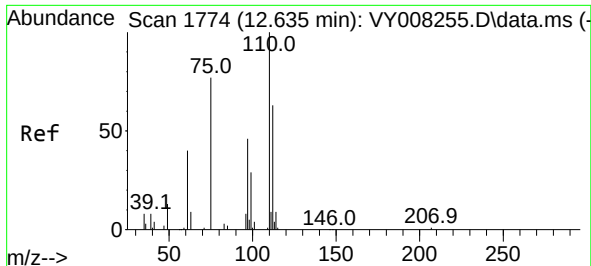
Tgt Ion:117 Resp: 184972
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.4
119 33.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

Tgt Ion:152 Resp: 82969
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.7
150 158.0 0.0 347.6

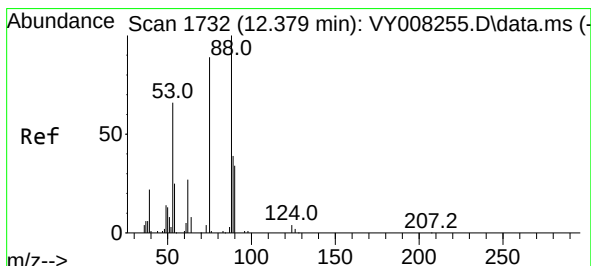
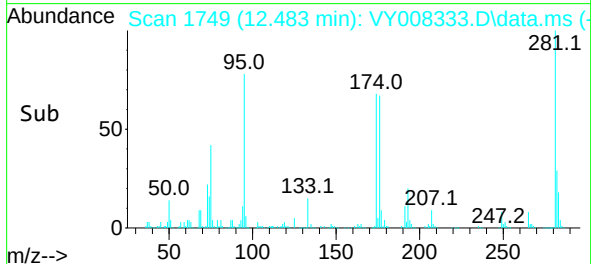
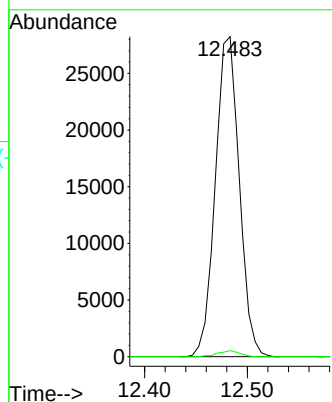
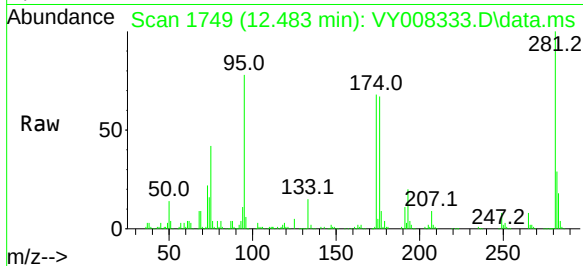




#76
1,2,3-Trichloropropane
Concen: 49.699 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

Instrument :
MSVOA_Y
ClientSampleId :
CL-3-11.5

Tgt Ion: 75 Resp: 45605
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.201 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008333.D
Acq: 14 Apr 2022 17:25

Tgt Ion: 75 Resp: 45605
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 2.4 37.0 55.4#

