

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090822\
 Data File : VY010388.D
 Acq On : 08 Sep 2022 12:17
 Operator : KP/MD
 Sample : N4498-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-090222

Quant Time: Sep 08 16:23:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

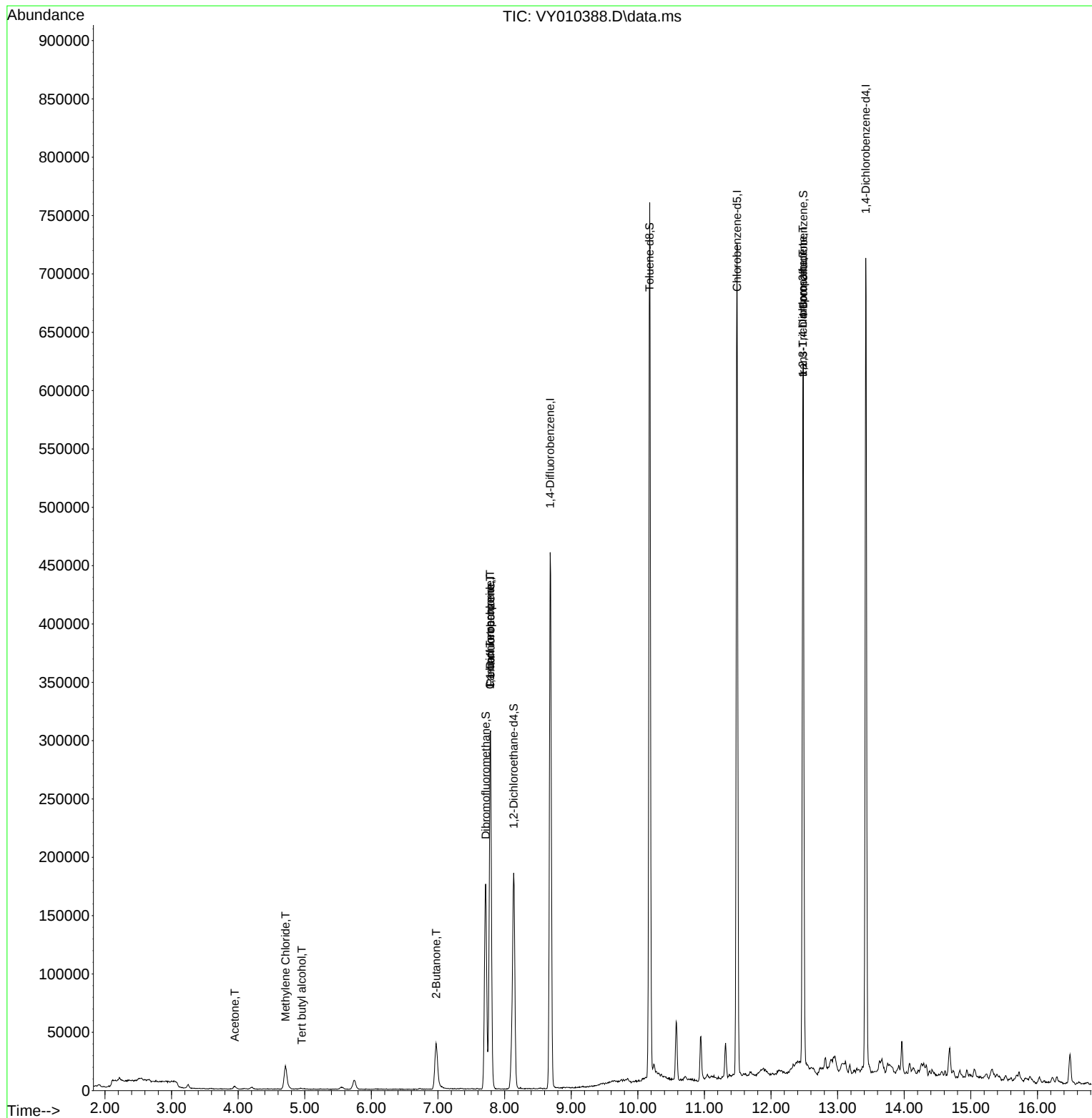
Internal Standards						
1) Pentafluorobenzene	7.789	168	249542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	411936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	391648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	188641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	131889	51.544	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.080%	
35) Dibromofluoromethane	7.716	113	124411	45.367	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.740%	
50) Toluene-d8	10.179	98	487277	53.072	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.140%	
62) 4-Bromofluorobenzene	12.483	95	175073	47.268	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.540%	
Target Compounds						
5) Bromomethane	2.656	94	619	Below Cal	#	47
11) Tert butyl alcohol	4.954	59	1193	3.897	ug/l #	91
16) Acetone	3.948	43	4298	6.719	ug/l #	85
20) Methylene Chloride	4.710	84	14179	4.593	ug/l #	85
25) 2-Butanone	6.972	43	2736	2.606	ug/l #	74
36) 1,1-Dichloropropene	7.783	75	17655	4.388	ug/l #	51
38) Carbon Tetrachloride	7.783	117	23319	5.624	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.606	63	146	Below Cal		96
76) 1,2,3-Trichloropropane	12.477	75	89567	39.898	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	89567	83.232	ug/l #	8

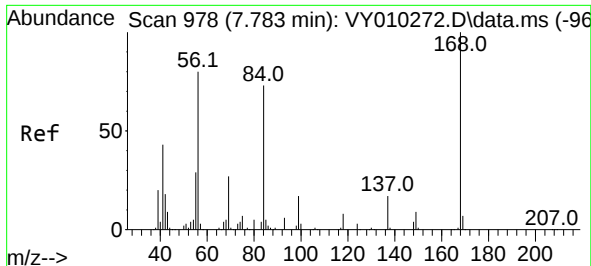
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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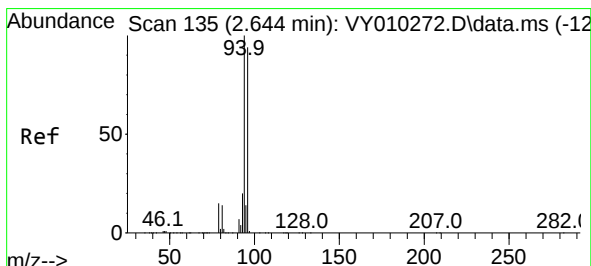
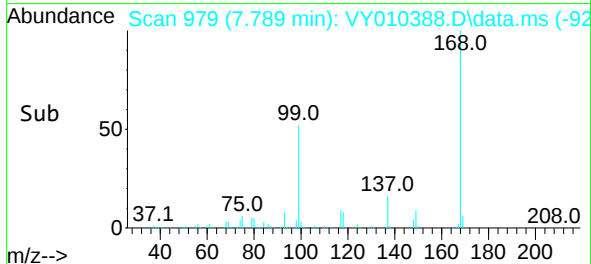
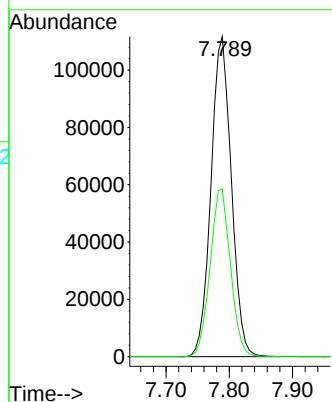
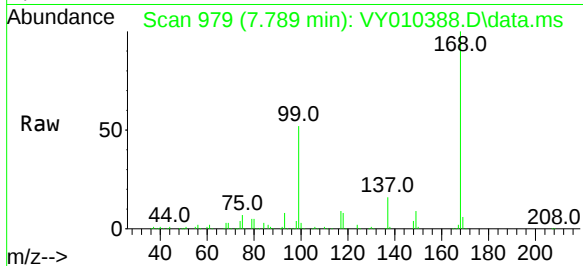




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

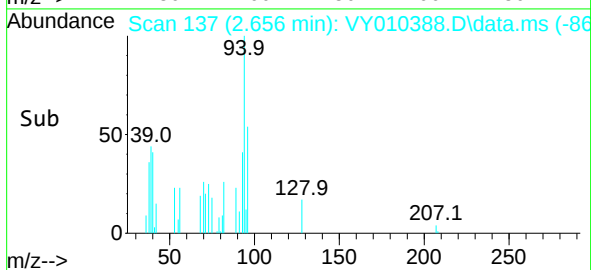
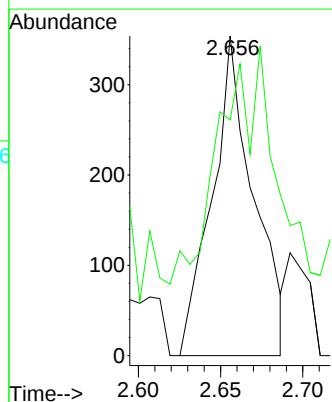
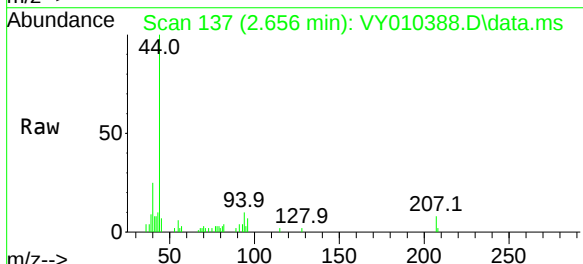
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-090222

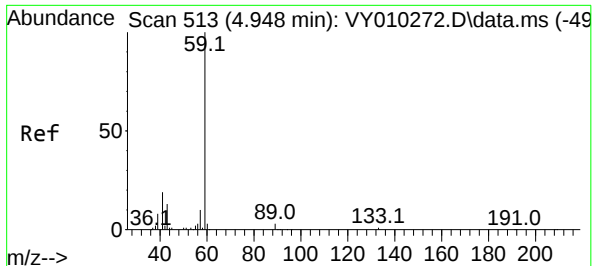
Tgt Ion:168 Resp: 249542
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.012 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

Tgt Ion: 94 Resp: 619
Ion Ratio Lower Upper
94 100
96 41.0 73.5 110.3#

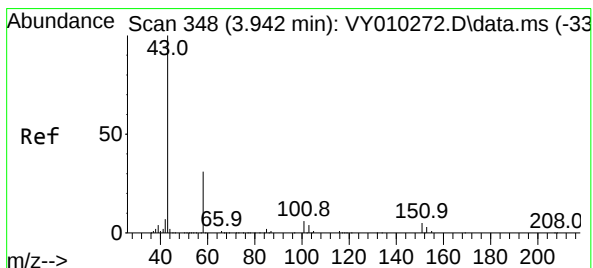
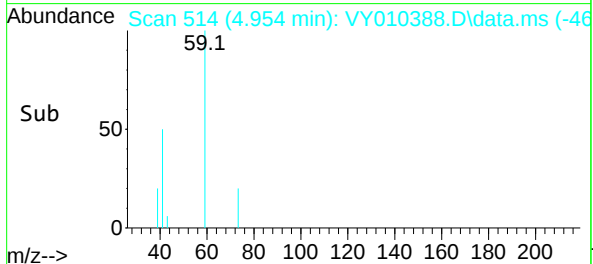
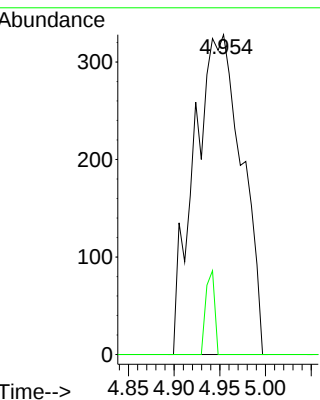
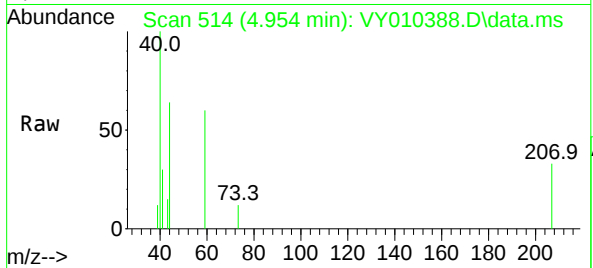




#11
Tert butyl alcohol
Concen: 3.897 ug/l
RT: 4.954 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

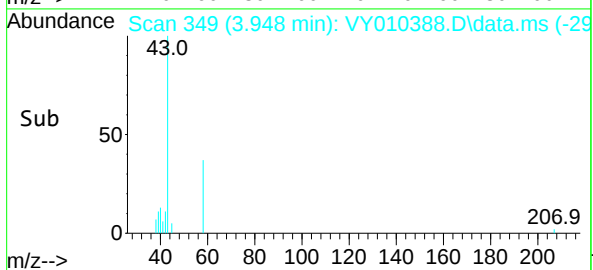
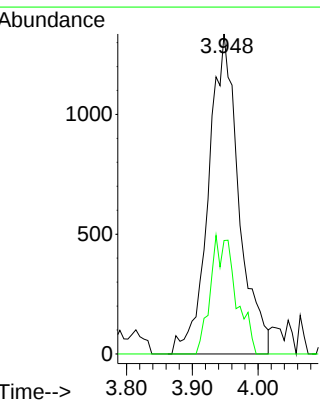
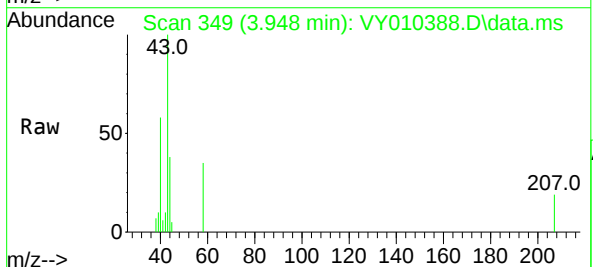
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-090222

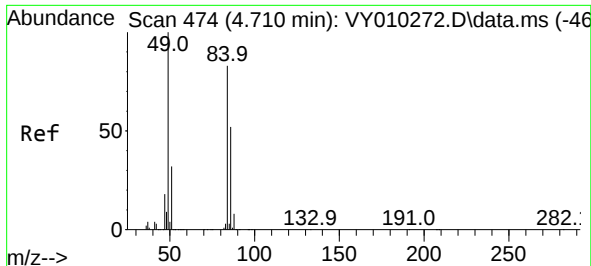
Tgt Ion: 59 Resp: 1193
Ion Ratio Lower Upper
59 100
57 4.8 6.4 9.6#



#16
Acetone
Concen: 6.719 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

Tgt Ion: 43 Resp: 4298
Ion Ratio Lower Upper
43 100
58 35.5 22.0 33.0#

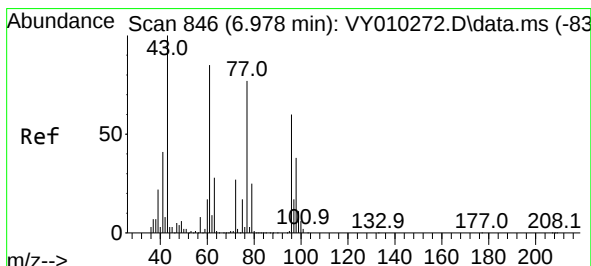
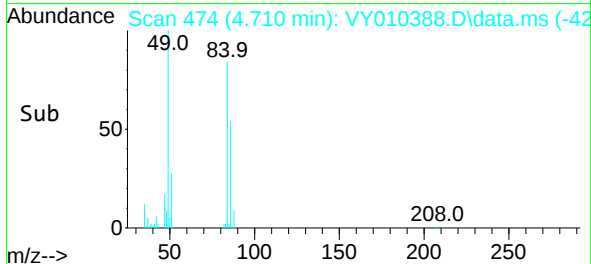
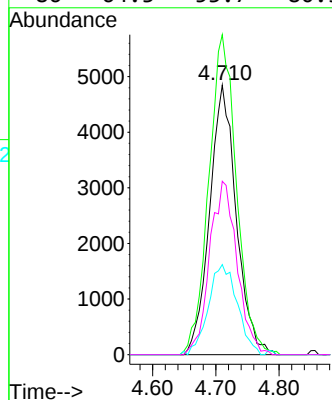
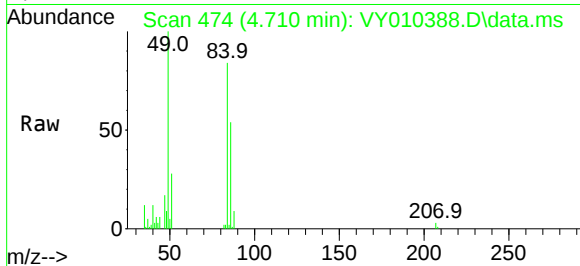




#20
Methylene Chloride
Concen: 4.593 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

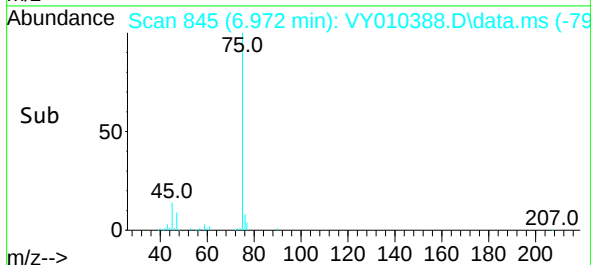
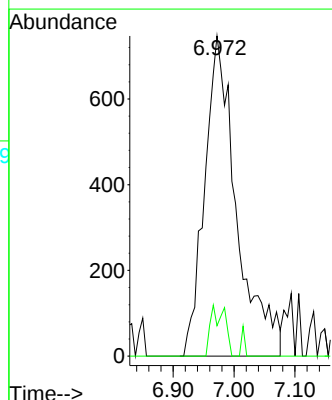
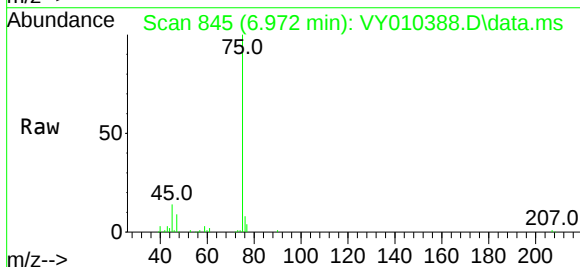
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-090222

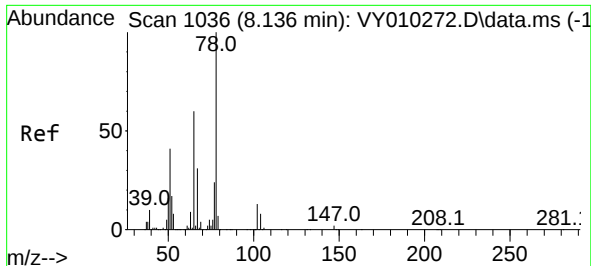
Tgt Ion: 84 Resp: 14179
Ion Ratio Lower Upper
84 100
49 118.7 114.4 171.6
51 33.4 35.3 52.9#
86 64.3 53.7 80.5



#25
2-Butanone
Concen: 2.606 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

Tgt Ion: 43 Resp: 2736
Ion Ratio Lower Upper
43 100
72 9.5 17.7 26.5#





#33

1,2-Dichloroethane-d4

Concen: 51.544 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010388.D

Acq: 08 Sep 2022 12:17

Instrument :

MSVOA_Y

ClientSampleId :

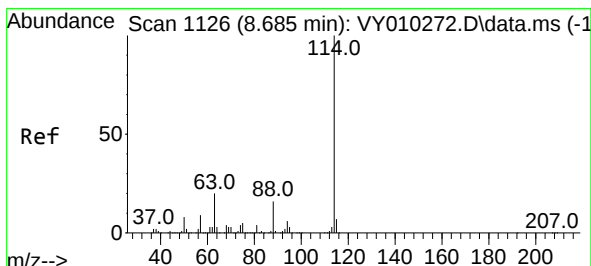
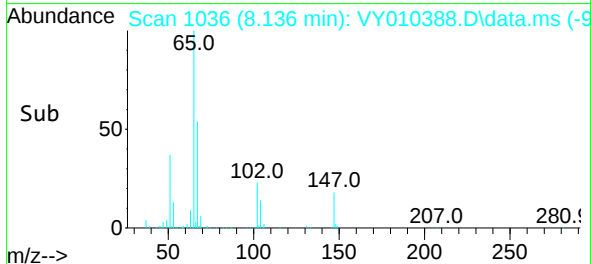
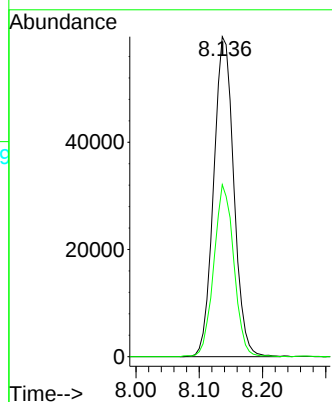
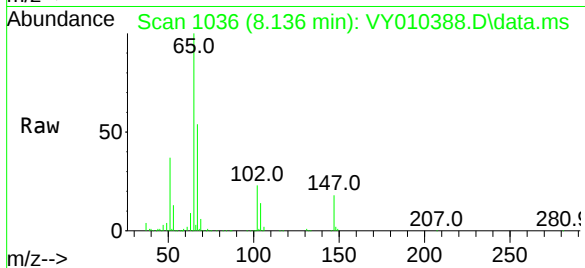
CL-02-090222

Tgt Ion: 65 Resp: 131889

Ion Ratio Lower Upper

65 100

67 53.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010388.D

Acq: 08 Sep 2022 12:17

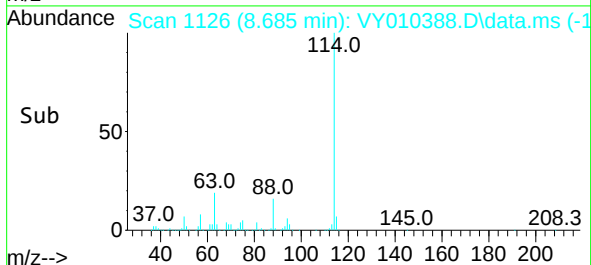
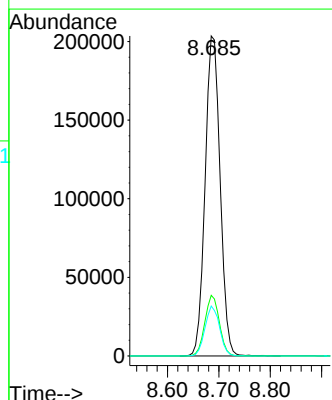
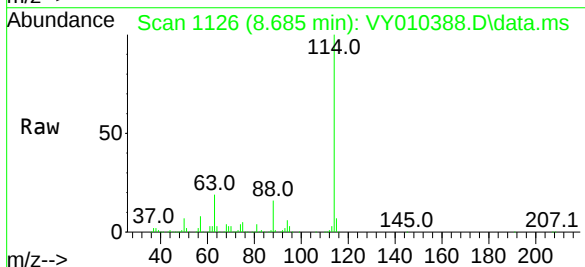
Tgt Ion: 114 Resp: 411936

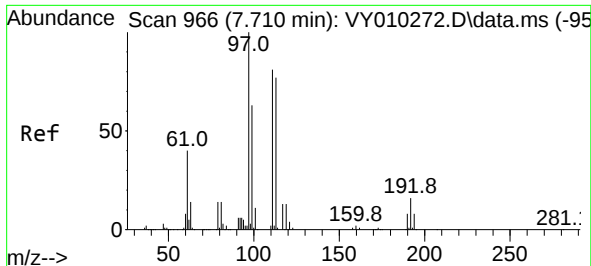
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.6 0.0 31.8

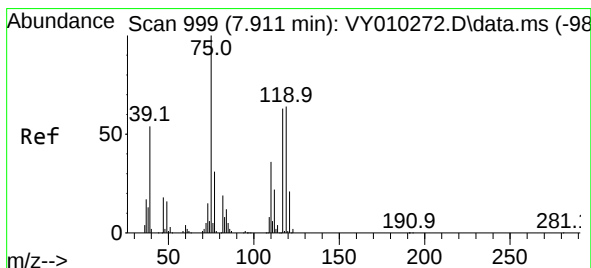
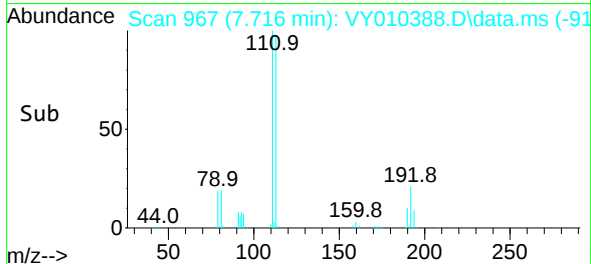
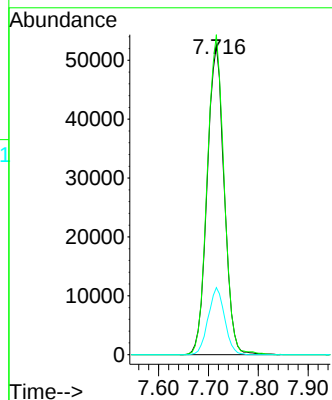
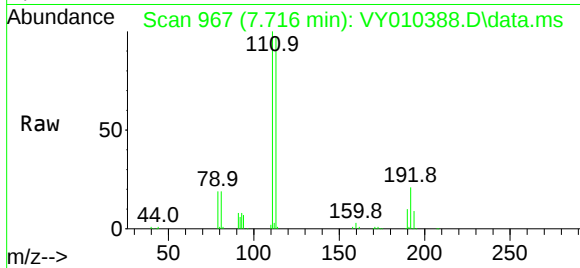




#35
Dibromofluoromethane
Concen: 45.367 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

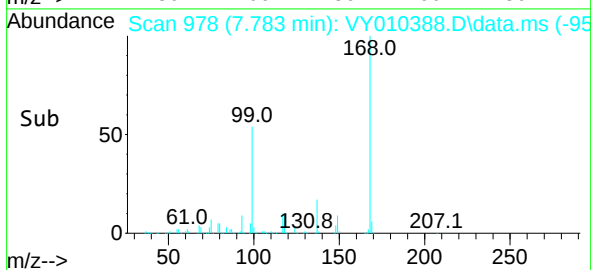
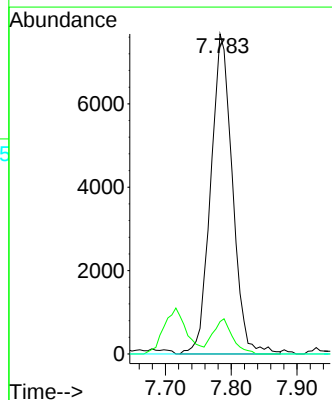
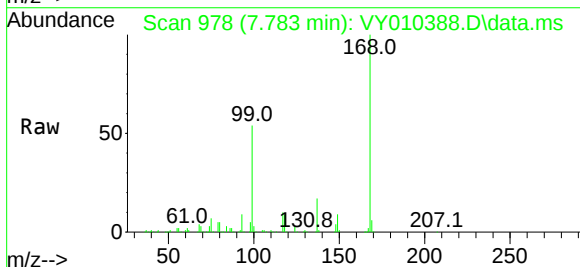
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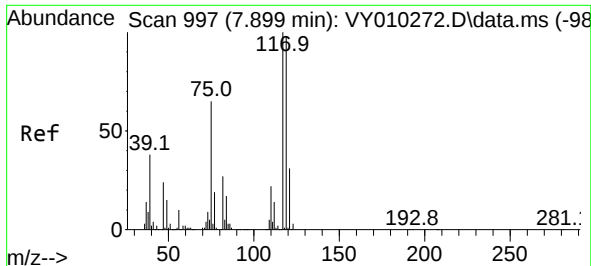
Tgt Ion:113 Resp: 124411
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 20.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.388 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

Tgt Ion: 75 Resp: 17655
Ion Ratio Lower Upper
75 100
110 9.9 17.1 51.2#
77 0.0 24.4 36.6#

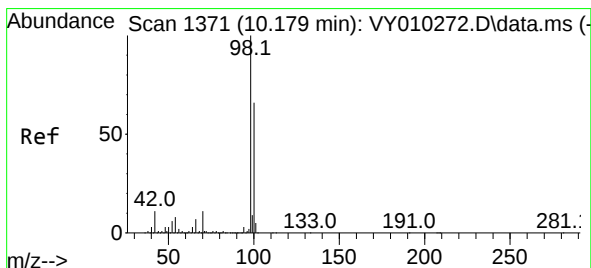
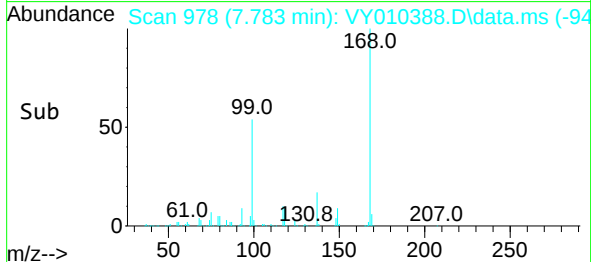
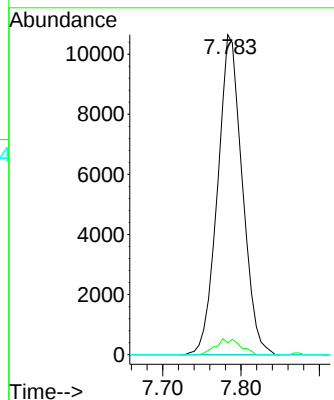
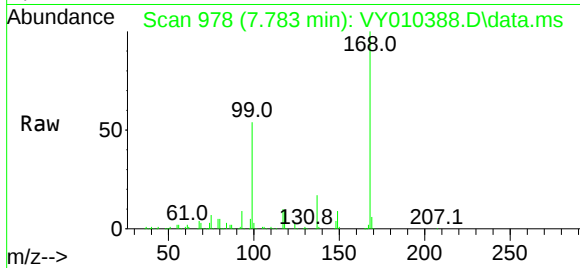




#38
Carbon Tetrachloride
Concen: 5.624 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

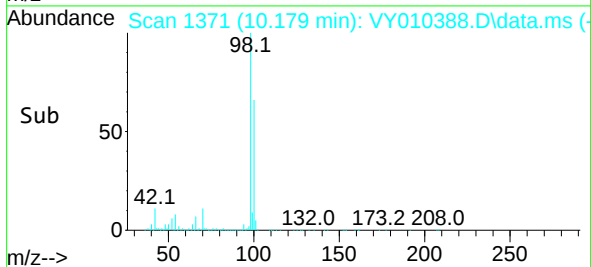
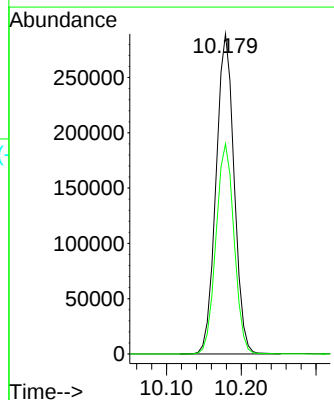
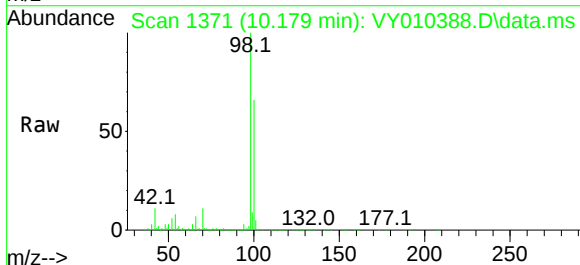
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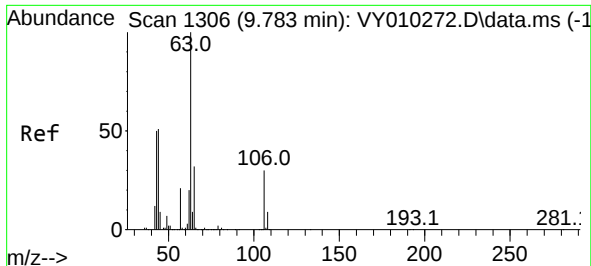
Tgt Ion:117 Resp: 23319
Ion Ratio Lower Upper
117 100
119 3.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.072 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

Tgt Ion: 98 Resp: 487277
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.606 min Scan# 11

Delta R.T. -0.177 min

Lab File: VY010388.D

Acq: 08 Sep 2022 12:17

Instrument :

MSVOA_Y

ClientSampleId :

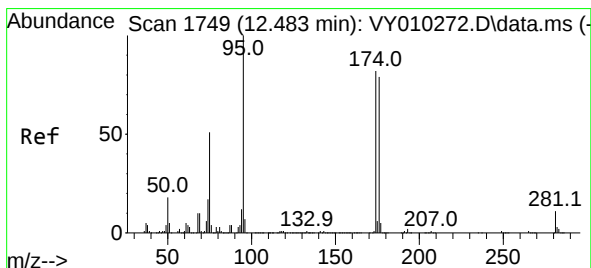
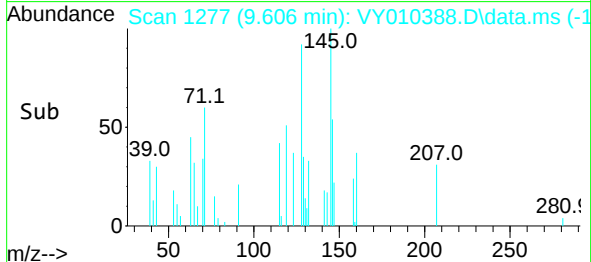
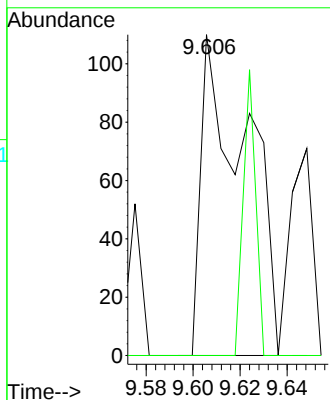
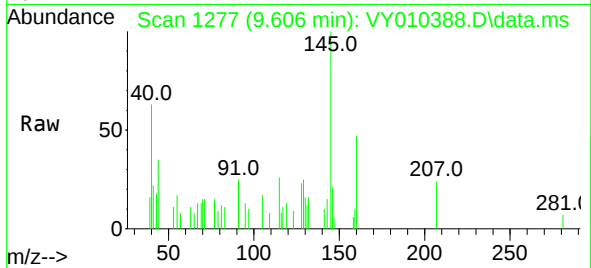
CL-02-090222

Tgt Ion: 63 Resp: 146

Ion Ratio Lower Upper

63 100

106 24.7 21.5 32.3



#62

4-Bromofluorobenzene

Concen: 47.268 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY010388.D

Acq: 08 Sep 2022 12:17

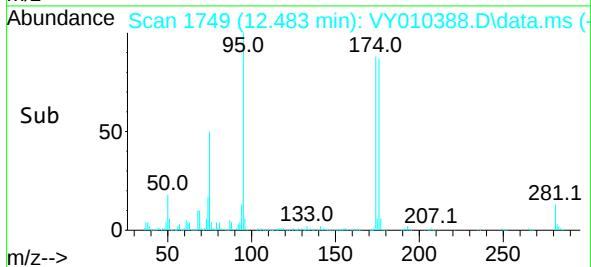
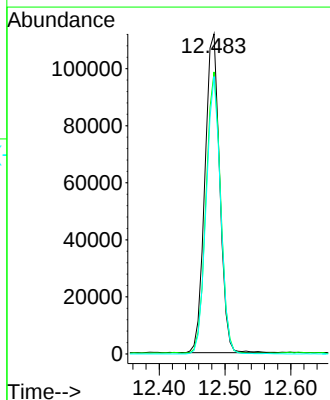
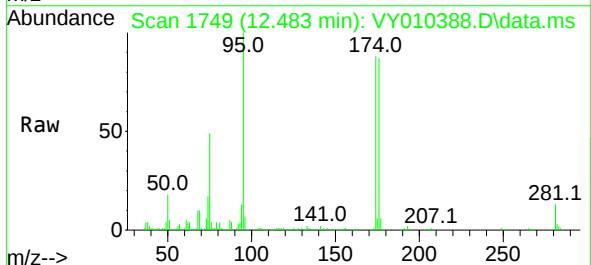
Tgt Ion: 95 Resp: 175073

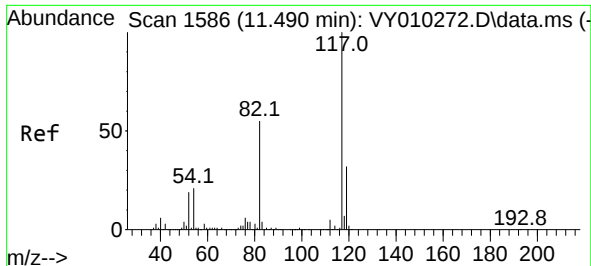
Ion Ratio Lower Upper

95 100

174 86.7 0.0 177.0

176 84.4 0.0 175.8

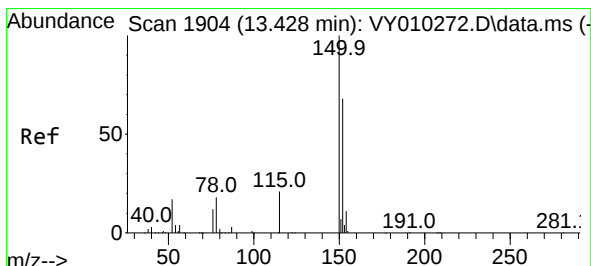
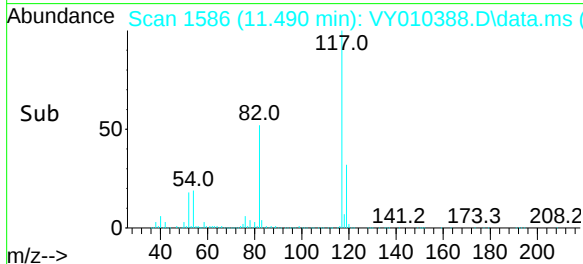
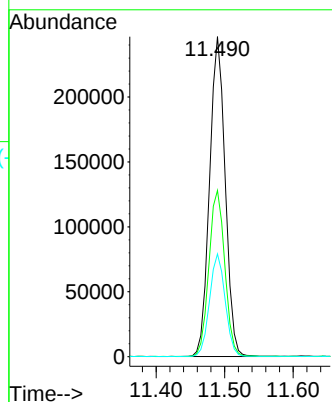
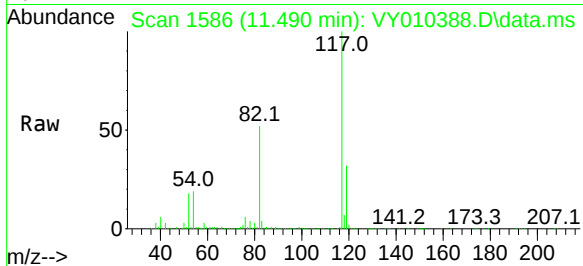




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

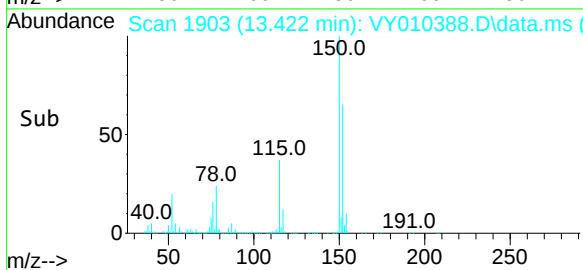
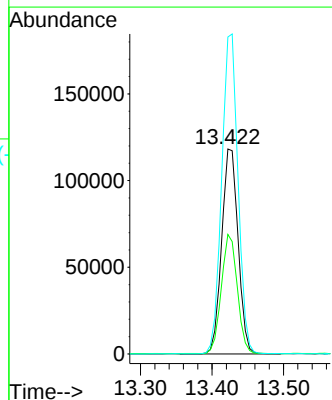
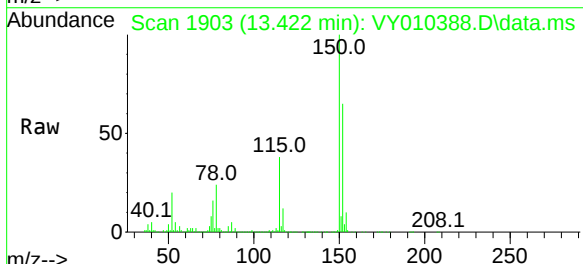
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-090222

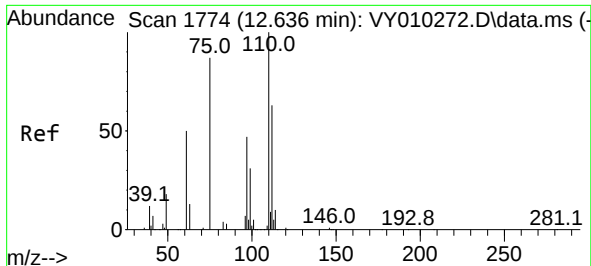
Tgt Ion:117 Resp: 391648
Ion Ratio Lower Upper
117 100
82 51.9 43.0 64.4
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

Tgt Ion:152 Resp: 188641
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.7
150 154.8 0.0 347.6

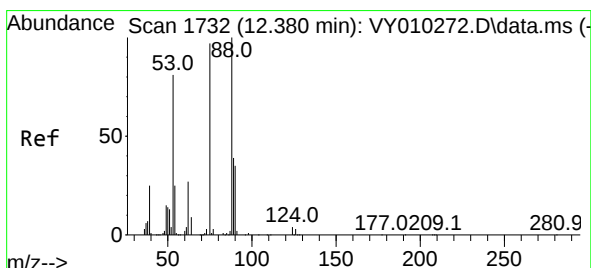
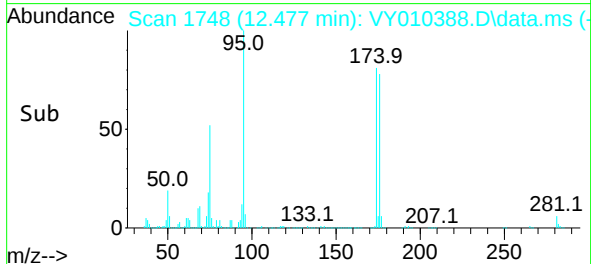
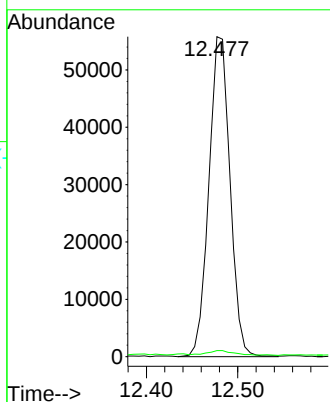
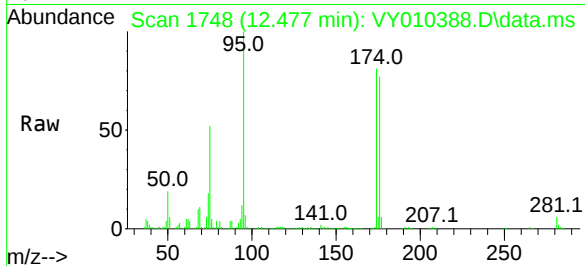




#76
1,2,3-Trichloropropane
Concen: 39.898 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

Instrument :
MSVOA_Y
ClientSampleId :
CL-02-090222

Tgt Ion: 75 Resp: 89567
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.232 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010388.D
Acq: 08 Sep 2022 12:17

Tgt Ion: 75 Resp: 89567
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.6 37.0 55.4#

