

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052422\
 Data File : VY009056.D
 Acq On : 24 May 2022 13:00
 Operator : KP/MD
 Sample : N2982-08
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P-8

Quant Time: May 25 02:51:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

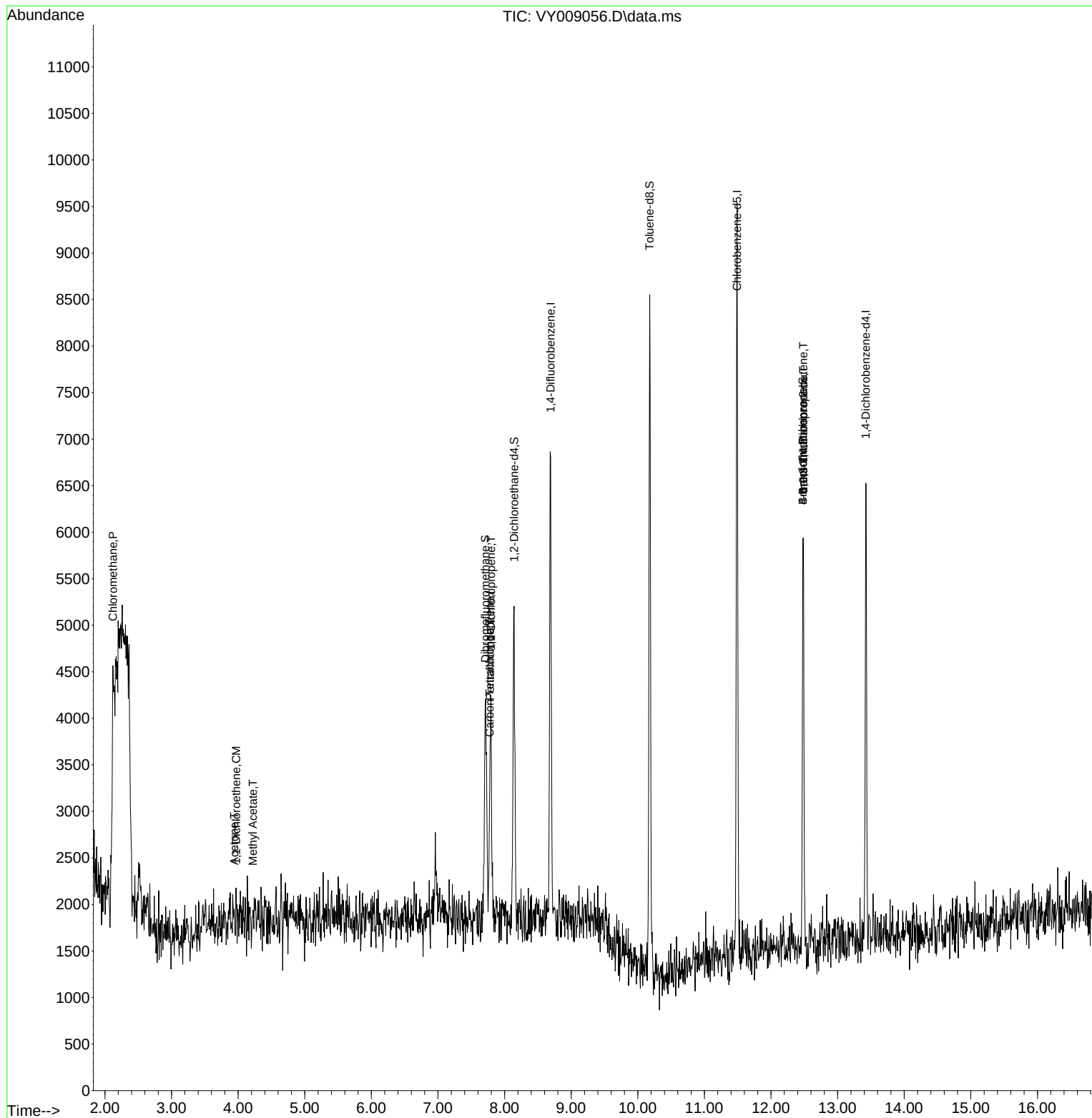
Internal Standards						
1) Pentafluorobenzene	7.783	168	2235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	4376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	2253	97.947	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 195.900%#	
35) Dibromofluoromethane	7.710	113	1765	66.863	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 133.720%	
50) Toluene-d8	10.179	98	4814	49.434	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.860%	
62) 4-Bromofluorobenzene	12.477	95	1446	36.810	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	282	9.629	ug/l #	44
12) 1,1-Dichloroethene	3.972	96	23	1.094	ug/l #	1
16) Acetone	3.942	43	290	60.567	ug/l #	47
18) Methyl Acetate	4.222	43	38	2.549	ug/l #	56
20) Methylene Chloride	4.710	84	56	Below Cal	#	53
36) 1,1-Dichloropropene	7.795	75	98	2.182	ug/l #	42
38) Carbon Tetrachloride	7.777	117	156	3.320	ug/l #	11
71) Bromoform	12.477	173	40	1.641	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	955	63.340	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	955	130.006	ug/l #	7

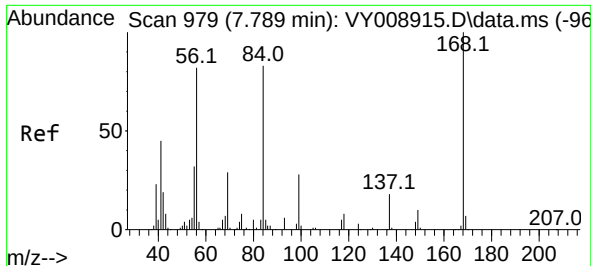
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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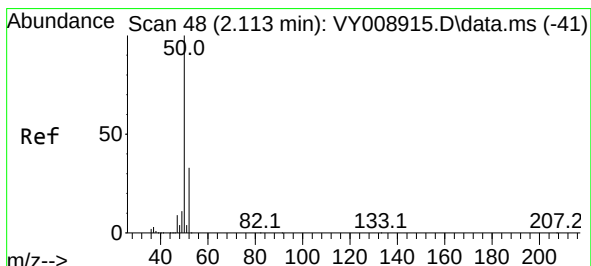
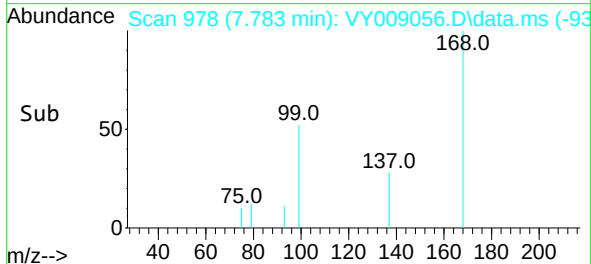
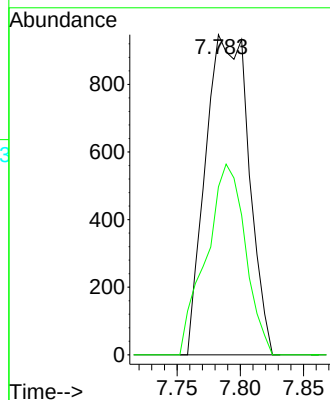
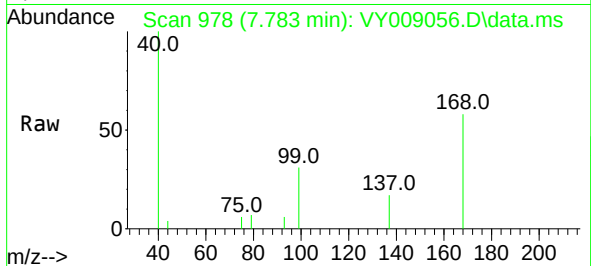




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009056.D
Acq: 24 May 2022 13:00

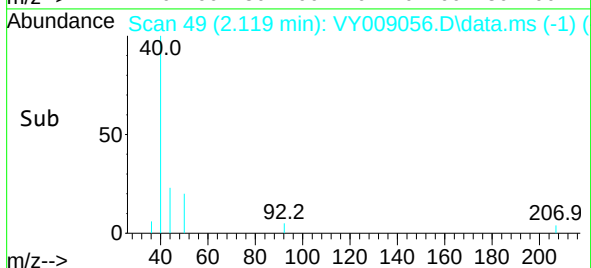
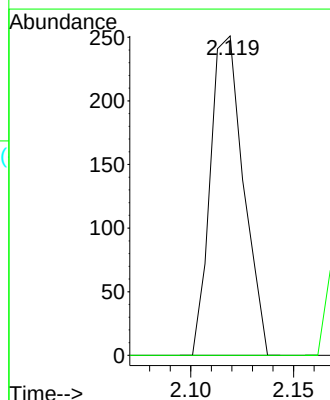
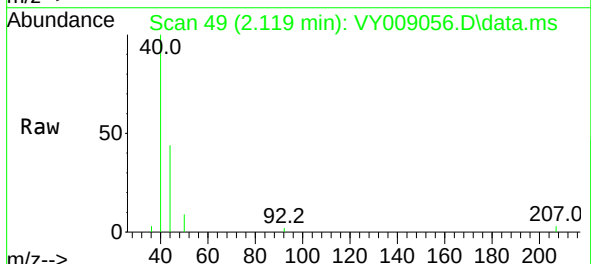
Instrument :
MSVOA_Y
ClientSampleId :
P-8

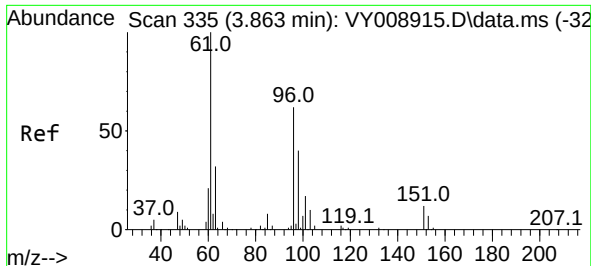
Tgt Ion:168 Resp: 2235
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#3
Chloromethane
Concen: 9.629 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY009056.D
Acq: 24 May 2022 13:00

Tgt Ion: 50 Resp: 282
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

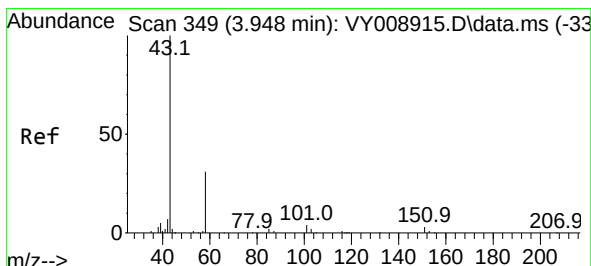
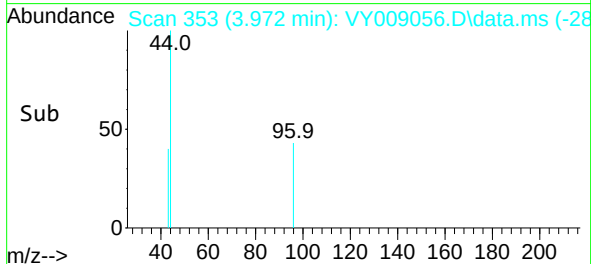
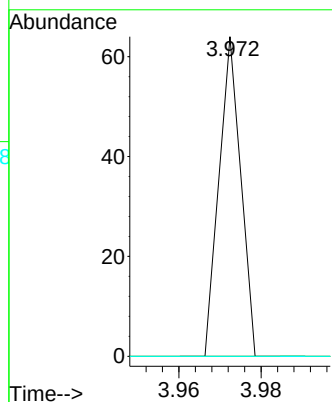
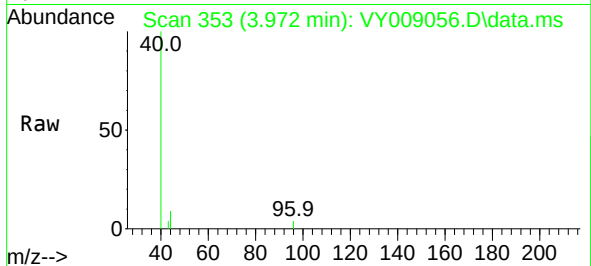




#12
1,1-Dichloroethene
Concen: 1.094 ug/l
RT: 3.972 min Scan# 31
Delta R.T. 0.109 min
Lab File: VY009056.D
Acq: 24 May 2022 13:00

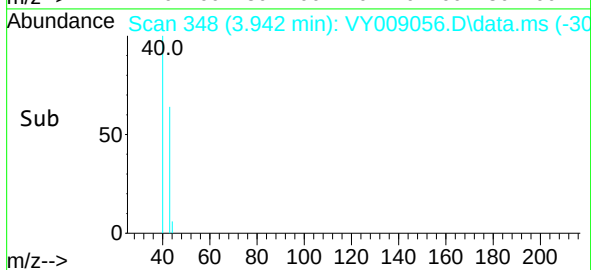
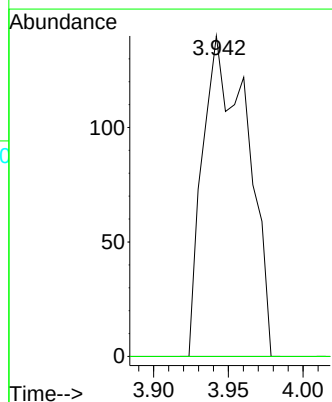
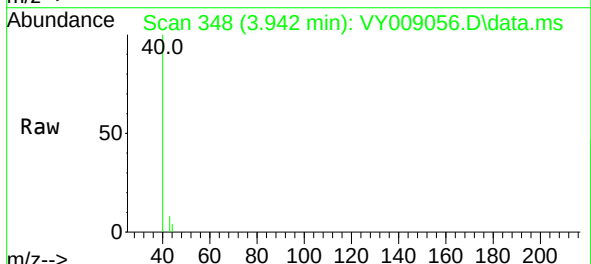
Instrument :
MSVOA_Y
ClientSampleId :
P-8

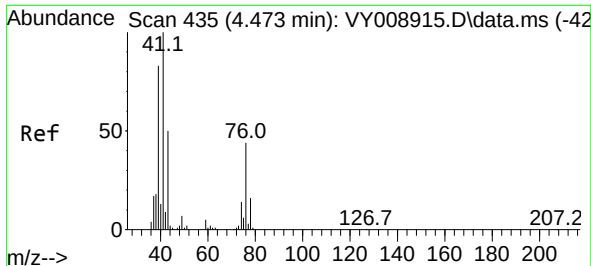
Tgt Ion: 96 Resp: 23
Ion Ratio Lower Upper
96 100
61 0.0 145.8 218.6#
98 0.0 52.5 78.7#



#16
Acetone
Concen: 60.567 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY009056.D
Acq: 24 May 2022 13:00

Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

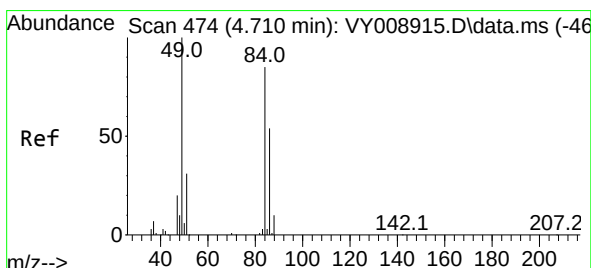
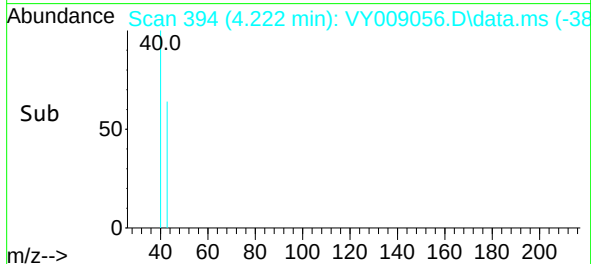
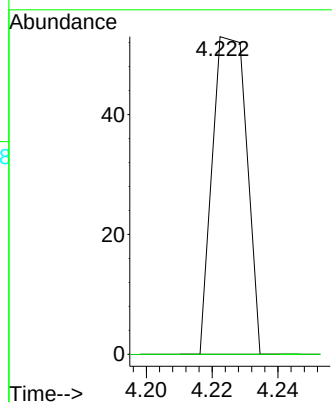
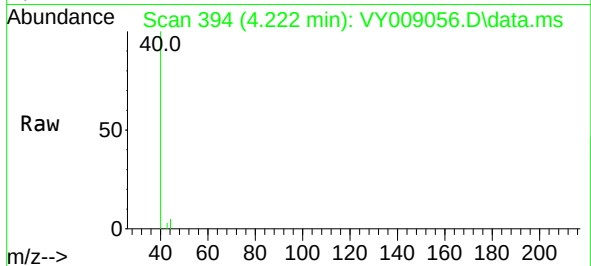




#18
Methyl Acetate
Concen: 2.549 ug/l
RT: 4.222 min Scan# 394
Delta R.T. -0.251 min
Lab File: VY009056.D
Acq: 24 May 2022 13:00

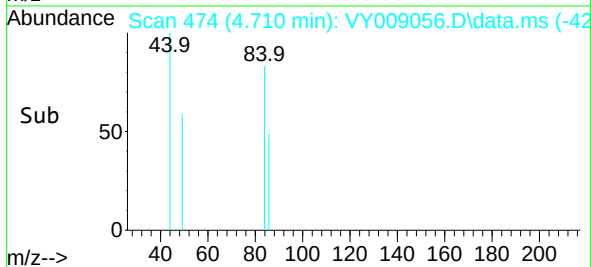
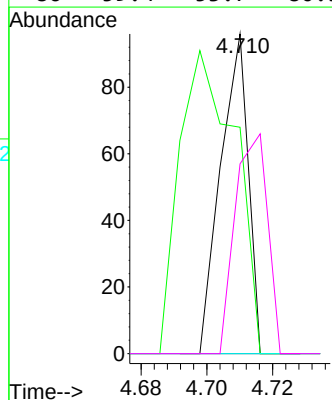
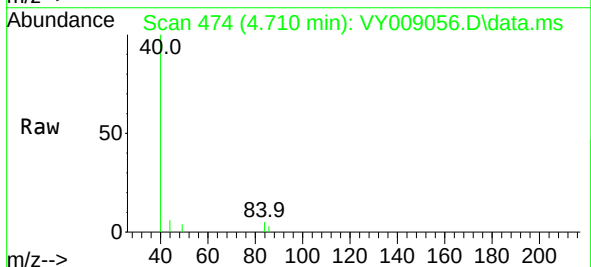
Instrument :
MSVOA_Y
ClientSampleId :
P-8

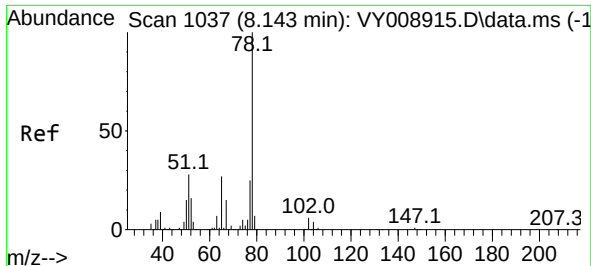
Tgt Ion: 43 Resp: 38
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY009056.D
Acq: 24 May 2022 13:00

Tgt Ion: 84 Resp: 56
Ion Ratio Lower Upper
84 100
49 70.8 114.4 171.6#
51 0.0 35.3 52.9#
86 59.4 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 97.947 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY009056.D

Acq: 24 May 2022 13:00

Instrument :

MSVOA_Y

ClientSampleId :

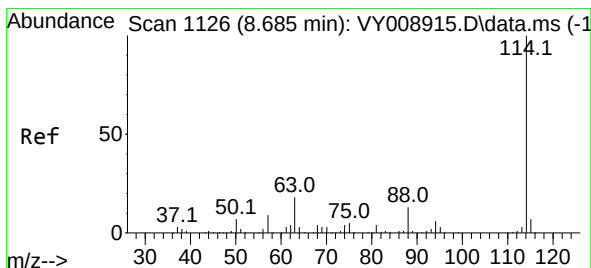
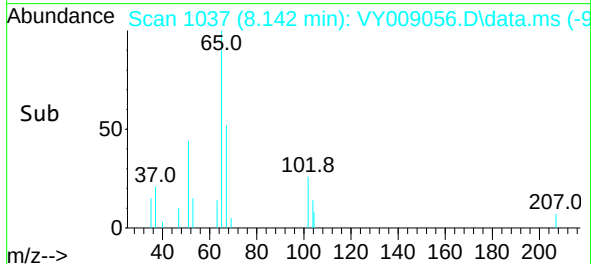
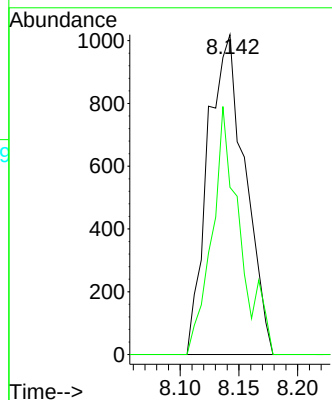
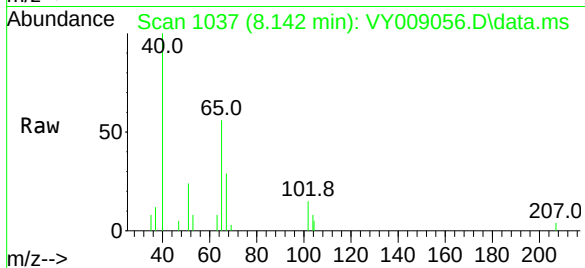
P-8

Tgt Ion: 65 Resp: 2253

Ion Ratio Lower Upper

65 100

67 58.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009056.D

Acq: 24 May 2022 13:00

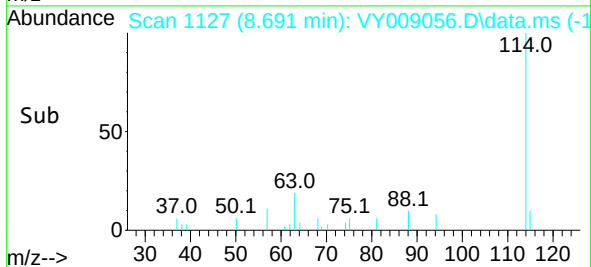
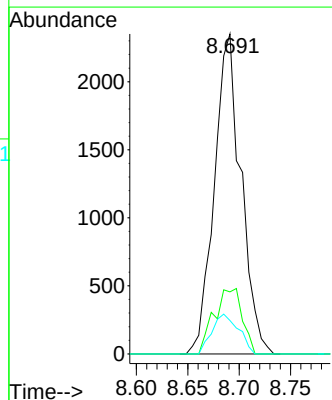
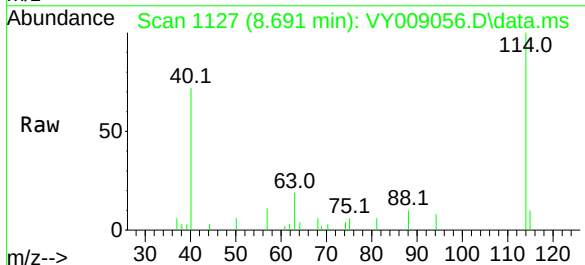
Tgt Ion: 114 Resp: 4245

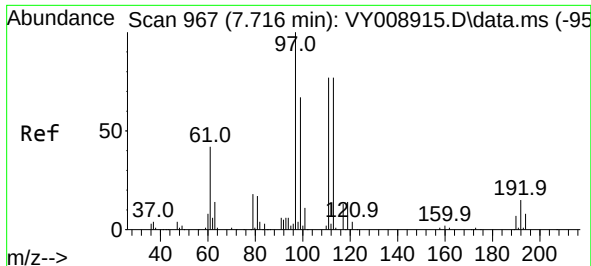
Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 10.4 0.0 31.8

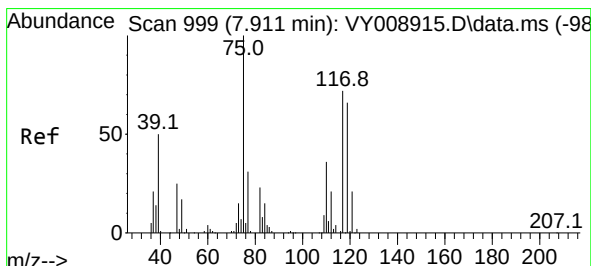
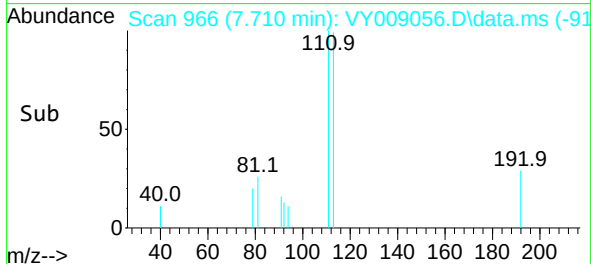
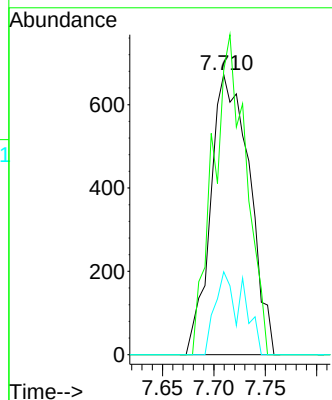
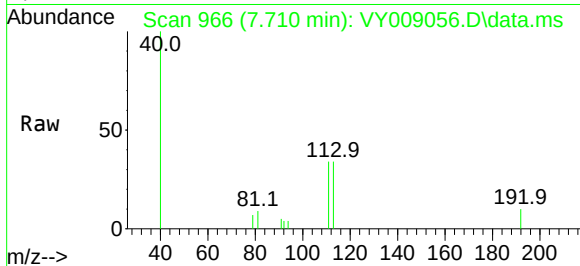




#35
 Dibromofluoromethane
 Concen: 66.863 ug/l
 RT: 7.710 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VY009056.D
 Acq: 24 May 2022 13:00

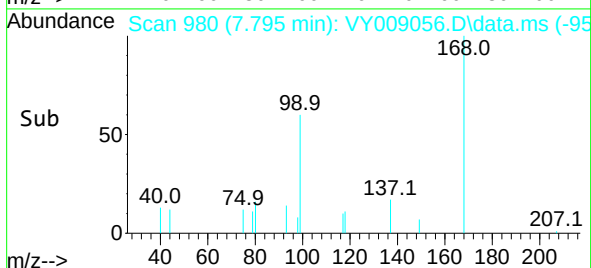
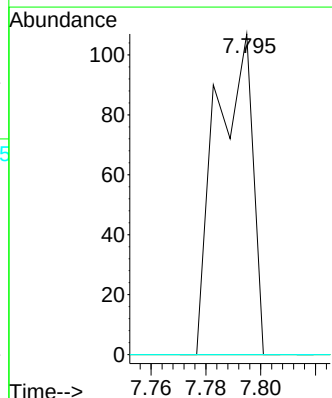
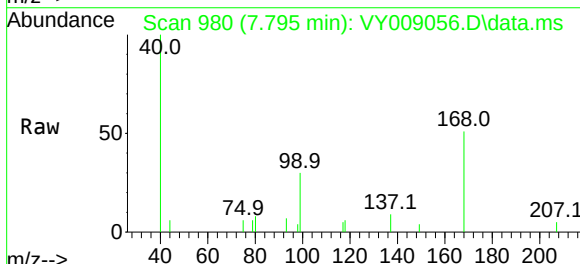
Instrument :
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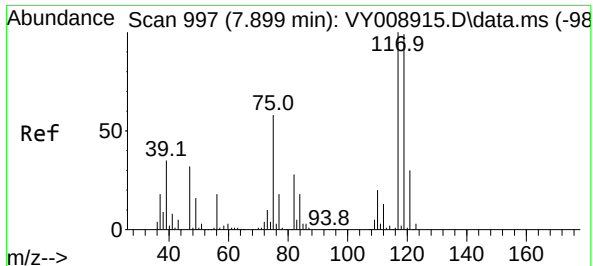
Tgt Ion:113 Resp: 1765
 Ion Ratio Lower Upper
 113 100
 111 97.7 82.6 124.0
 192 13.8 17.6 26.4#



#36
 1,1-Dichloropropene
 Concen: 2.182 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.116 min
 Lab File: VY009056.D
 Acq: 24 May 2022 13:00

Tgt Ion: 75 Resp: 98
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.1 51.2#
 77 0.0 24.4 36.6#

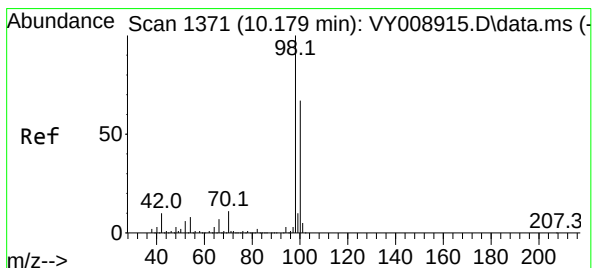
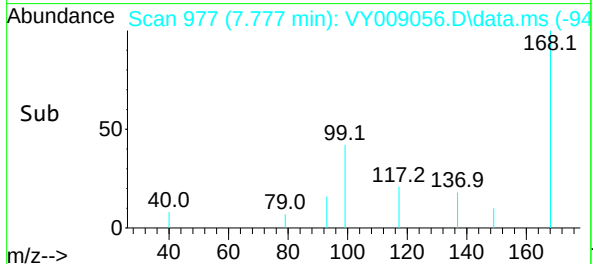
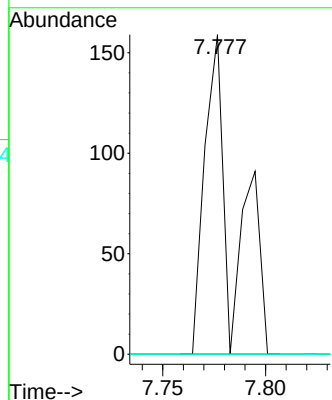
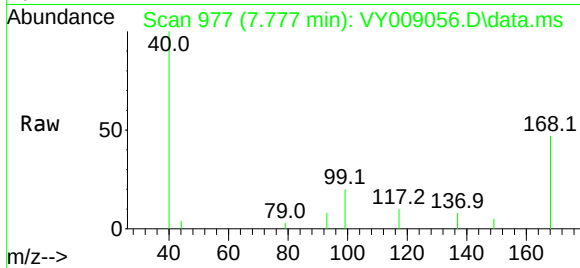




#38
Carbon Tetrachloride
Concen: 3.320 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY009056.D
Acq: 24 May 2022 13:00

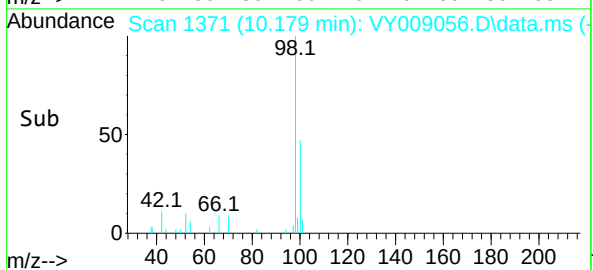
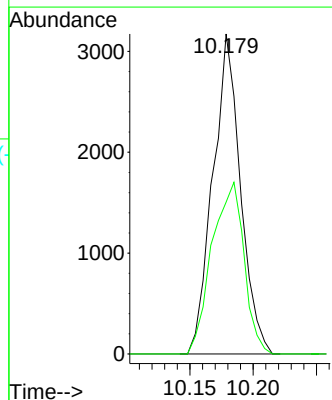
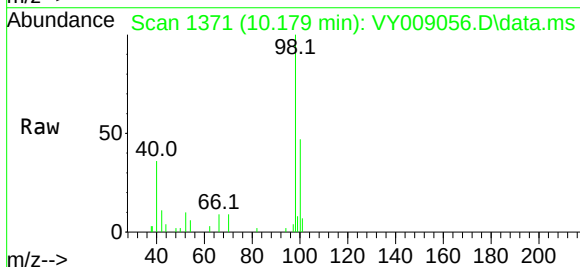
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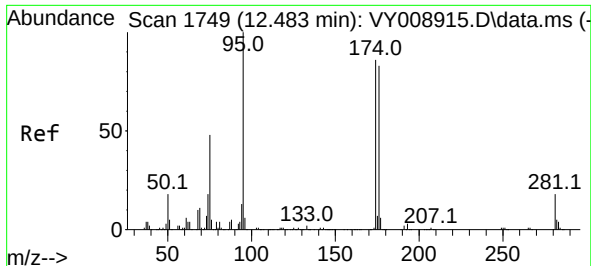
Tgt Ion:117 Resp: 156
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.434 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009056.D
Acq: 24 May 2022 13:00

Tgt Ion: 98 Resp: 4814
Ion Ratio Lower Upper
98 100
100 62.2 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 36.810 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY009056.D

Acq: 24 May 2022 13:00

Instrument :

MSVOA_Y

ClientSampleId :

P-8

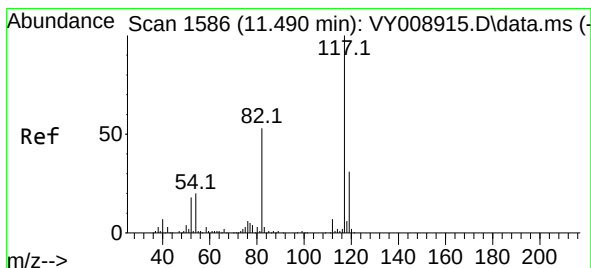
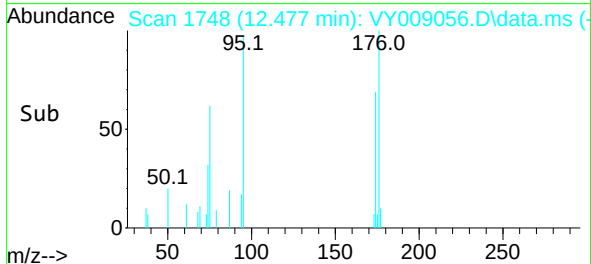
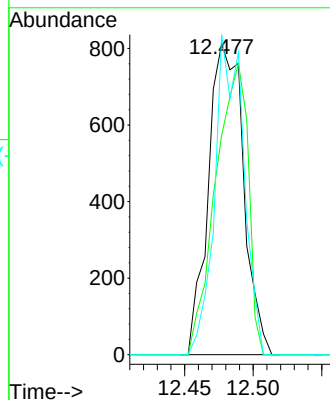
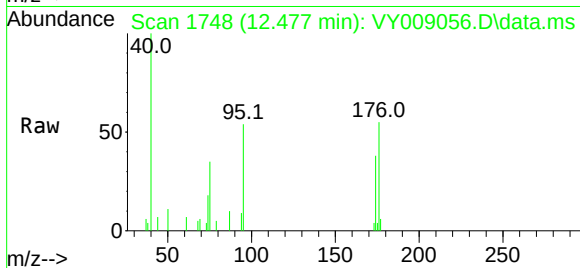
Tgt Ion: 95 Resp: 1446

Ion Ratio Lower Upper

95 100

174 86.8 0.0 177.0

176 84.1 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY009056.D

Acq: 24 May 2022 13:00

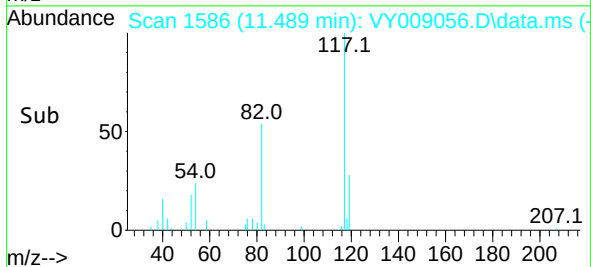
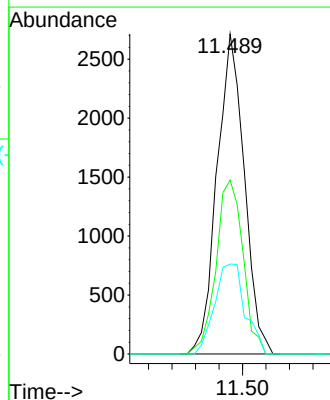
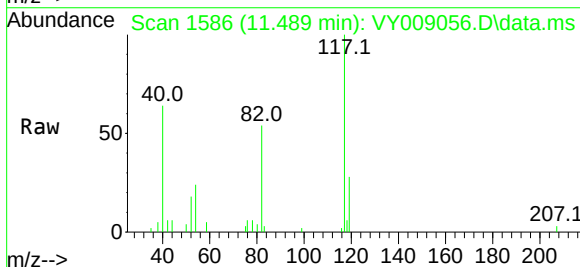
Tgt Ion: 117 Resp: 4376

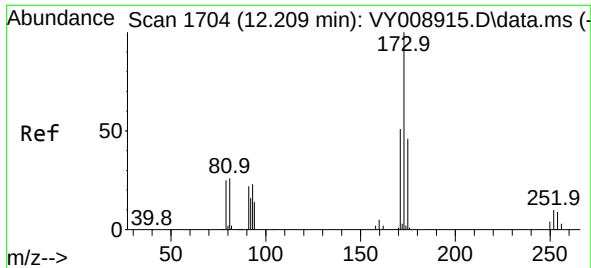
Ion Ratio Lower Upper

117 100

82 54.3 43.0 64.4

119 28.1 25.4 38.0

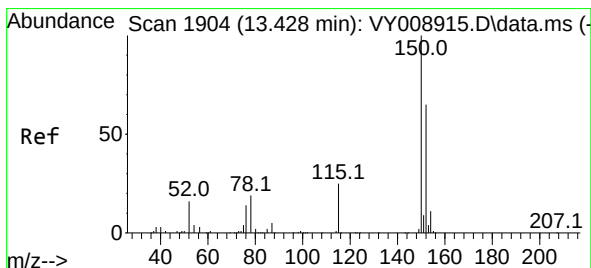
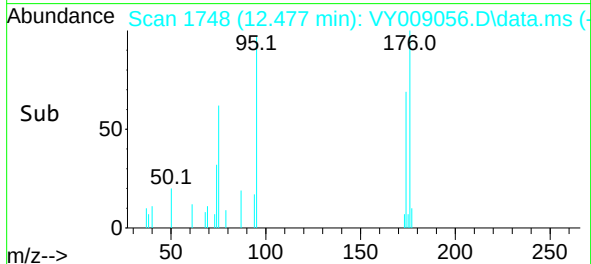
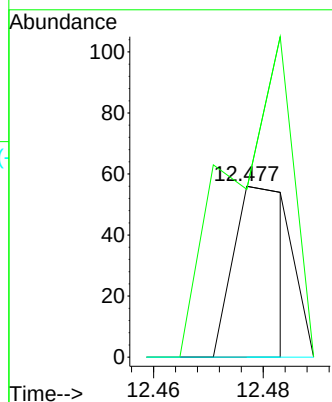
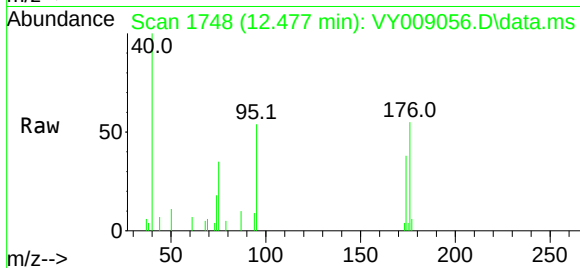




#71
Bromoform
Concen: 1.641 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.268 min
Lab File: VY009056.D
Acq: 24 May 2022 13:00

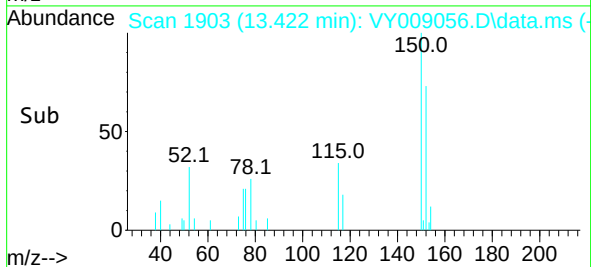
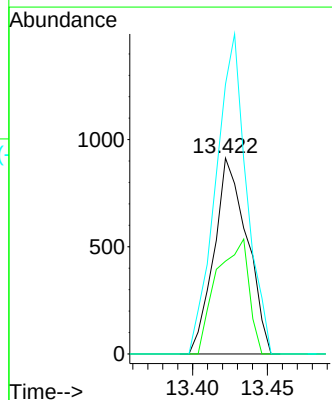
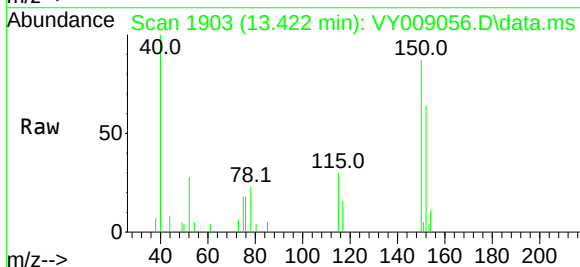
Instrument :
MSVOA_Y
ClientSampleId :
P-8

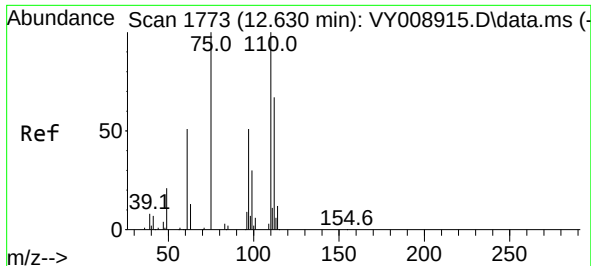
Tgt Ion:173 Resp: 40
Ion Ratio Lower Upper
173 100
175 107.5 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY009056.D
Acq: 24 May 2022 13:00

Tgt Ion:152 Resp: 1404
Ion Ratio Lower Upper
152 100
115 57.2 28.2 84.7
150 152.2 0.0 347.6

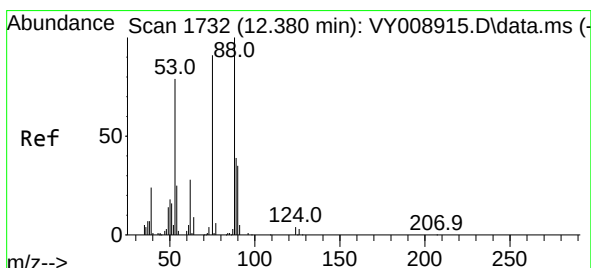
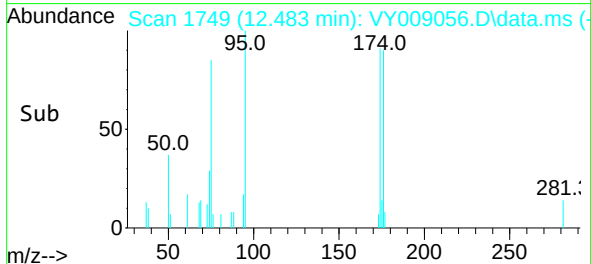
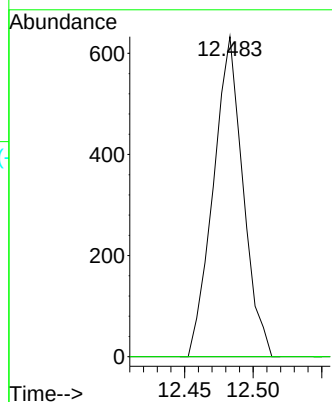
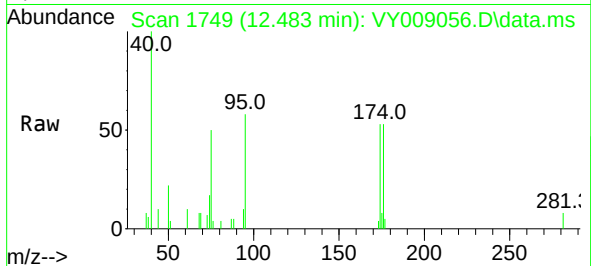




#76
1,2,3-Trichloropropane
Concen: 63.340 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY009056.D
Acq: 24 May 2022 13:00

Instrument :
MSVOA_Y
ClientSampleId :
P-8

Tgt Ion: 75 Resp: 955
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 130.006 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY009056.D
Acq: 24 May 2022 13:00

Tgt Ion: 75 Resp: 955
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

