

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070323\
 Data File : VY014541.D
 Acq On : 03 Jul 2023 17:32
 Operator : KP/MD
 Sample : 03412-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUCT-1

Quant Time: Jul 04 03:03:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

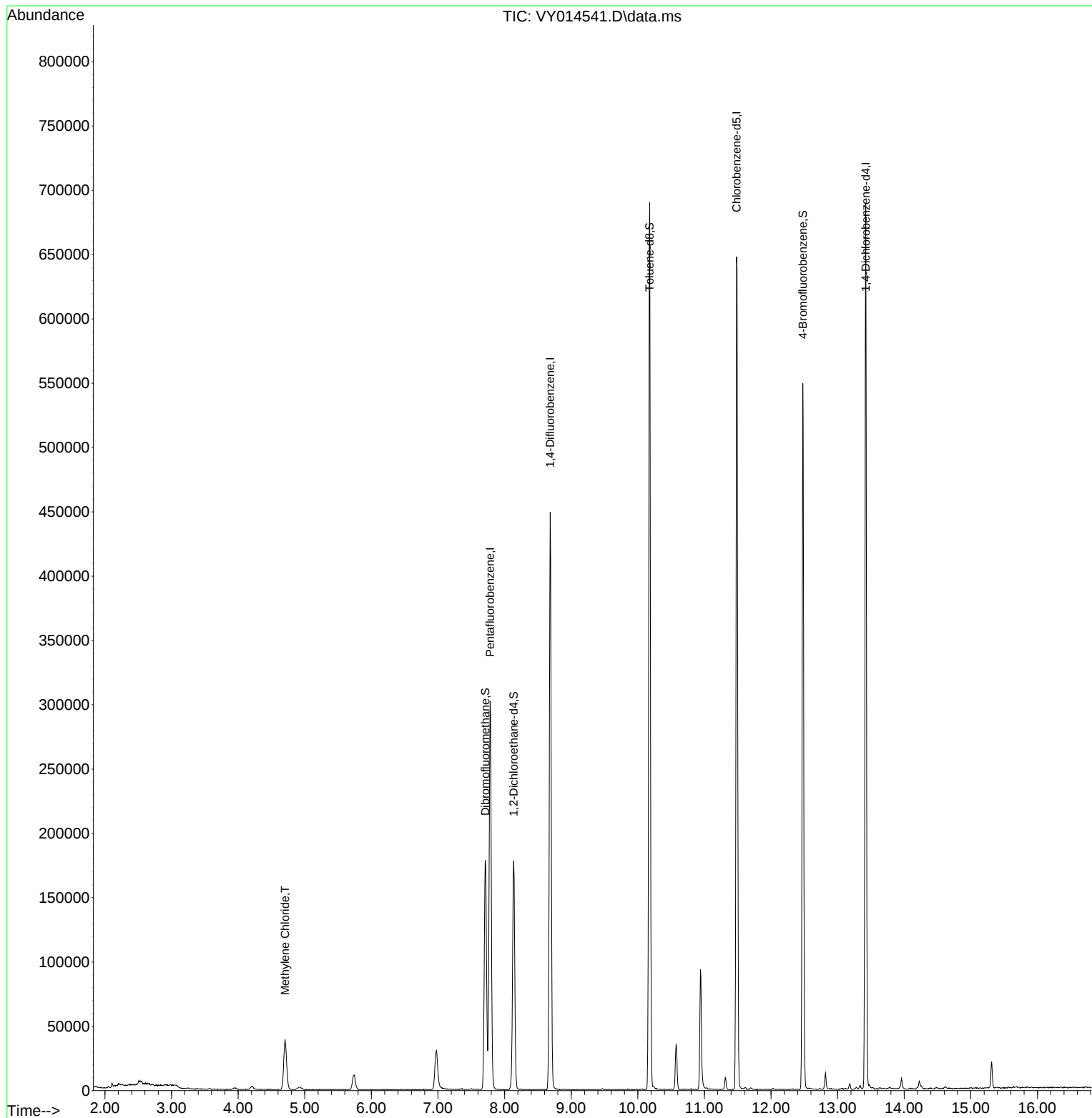
Internal Standards						
1) Pentafluorobenzene	7.783	168	259527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	411571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	397246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	191430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	141399	54.769	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.540%	
35) Dibromofluoromethane	7.710	113	130358	51.434	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.860%	
50) Toluene-d8	10.179	98	485259	48.433	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.860%	
62) 4-Bromofluorobenzene	12.477	95	161196	46.333	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.660%	
Target Compounds						
						Qvalue
20) Methylene Chloride	4.704	84	32042	6.502	ug/l	# 82

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

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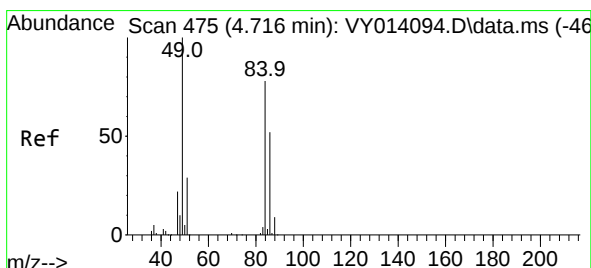
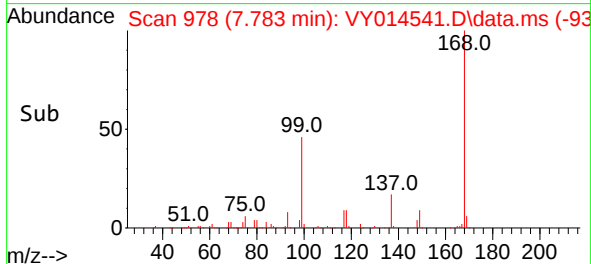
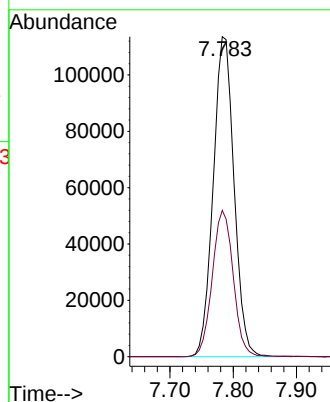
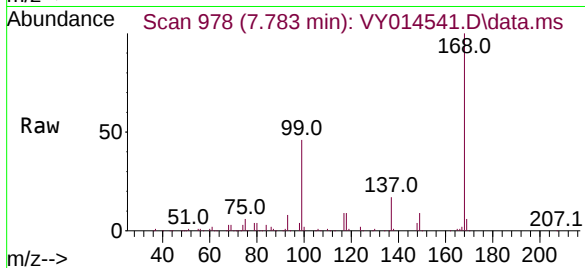




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014541.D
Acq: 03 Jul 2023 17:32

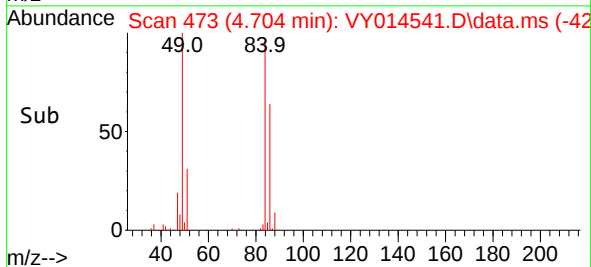
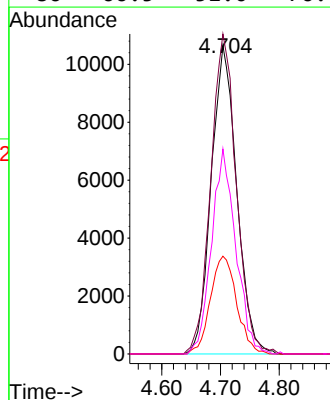
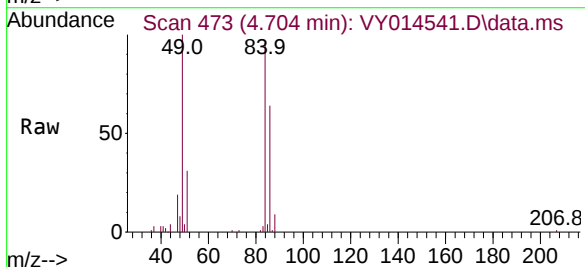
Instrument :
MSVOA_Y
ClientSampleId :
DUCT-1

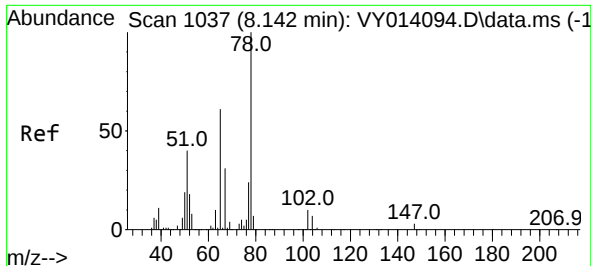
Tgt Ion:168 Resp: 259527
Ion Ratio Lower Upper
168 100
99 45.7 43.4 65.0



#20
Methylene Chloride
Concen: 6.502 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY014541.D
Acq: 03 Jul 2023 17:32

Tgt Ion: 84 Resp: 32042
Ion Ratio Lower Upper
84 100
49 103.8 106.9 160.3#
51 31.7 33.2 49.8#
86 66.5 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 54.769 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY014541.D

Acq: 03 Jul 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

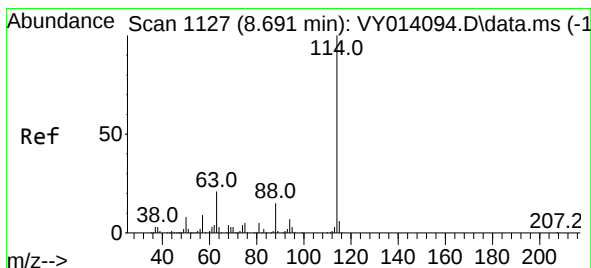
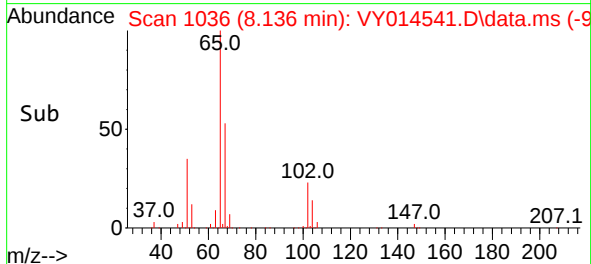
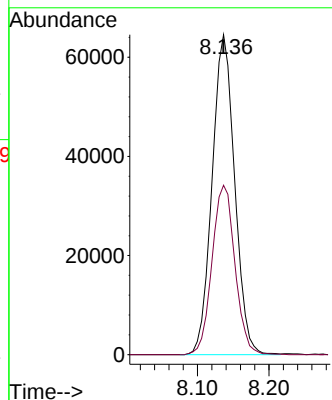
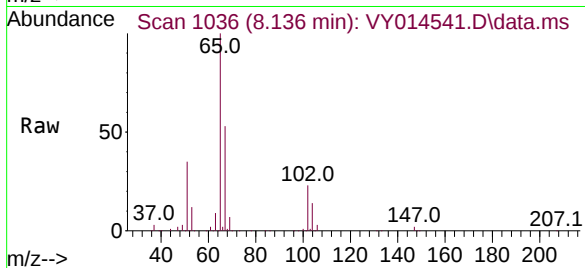
DUCT-1

Tgt Ion: 65 Resp: 141399

Ion Ratio Lower Upper

65 100

67 53.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014541.D

Acq: 03 Jul 2023 17:32

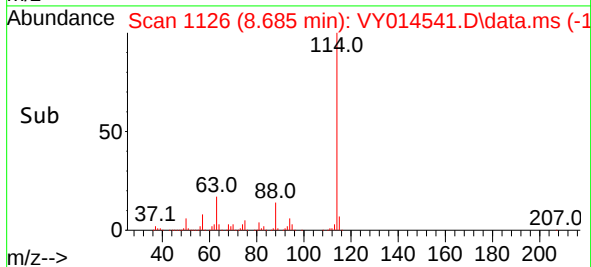
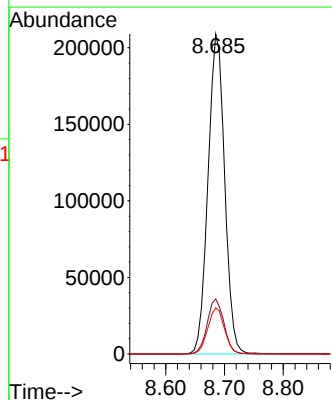
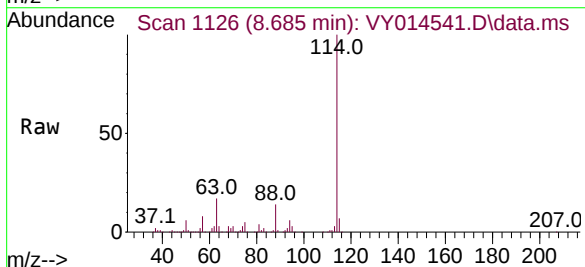
Tgt Ion: 114 Resp: 411571

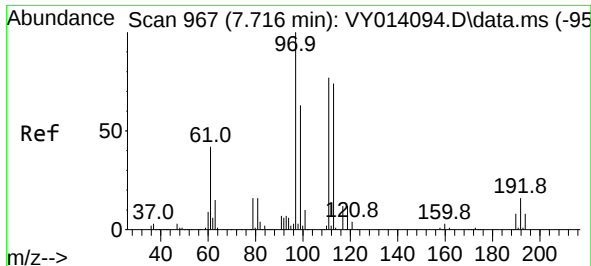
Ion Ratio Lower Upper

114 100

63 17.2 0.0 42.4

88 14.4 0.0 30.6

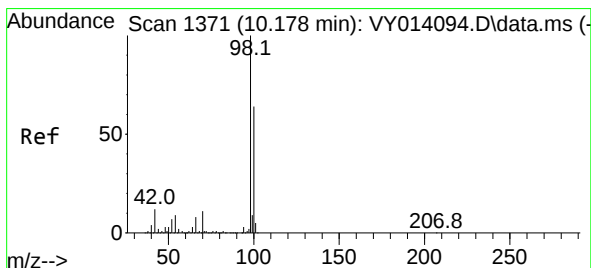
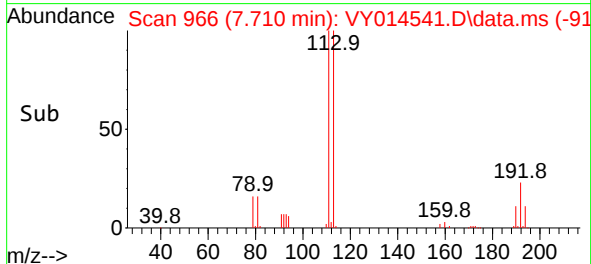
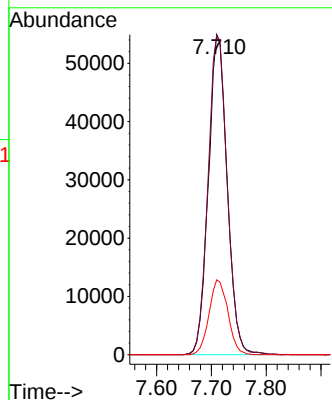
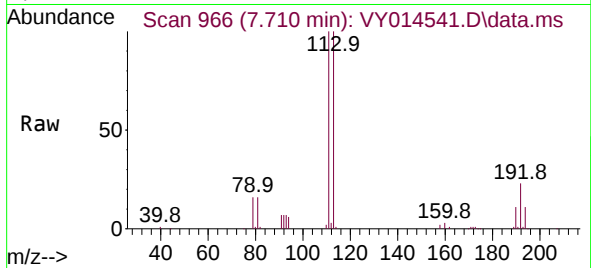




#35
Dibromofluoromethane
Concen: 51.434 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014541.D
Acq: 03 Jul 2023 17:32

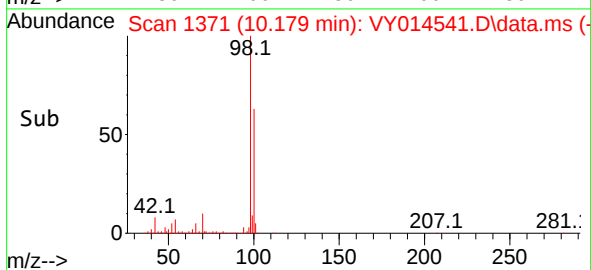
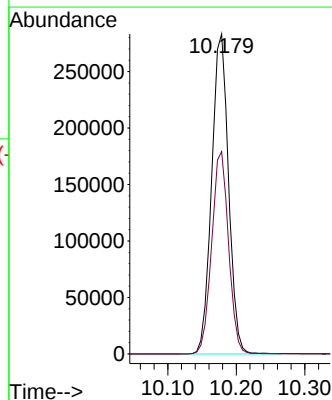
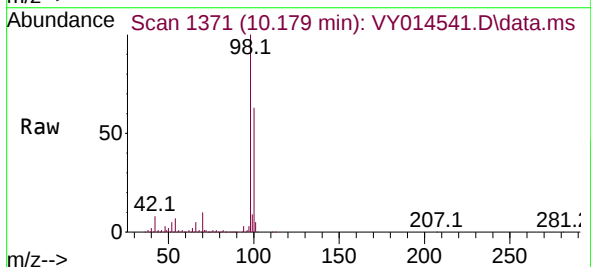
Instrument :
MSVOA_Y
ClientSampleId :
DUCT-1

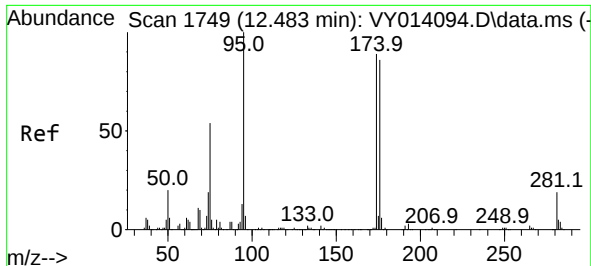
Tgt Ion:113 Resp: 130358
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 23.5 16.9 25.3



#50
Toluene-d8
Concen: 48.433 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014541.D
Acq: 03 Jul 2023 17:32

Tgt Ion: 98 Resp: 485259
Ion Ratio Lower Upper
98 100
100 63.3 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 46.333 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014541.D

Acq: 03 Jul 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

DUCT-1

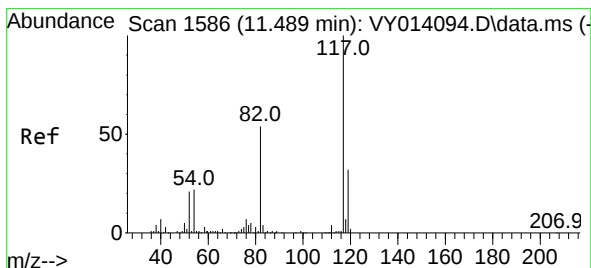
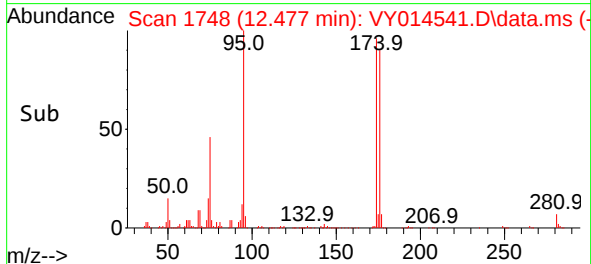
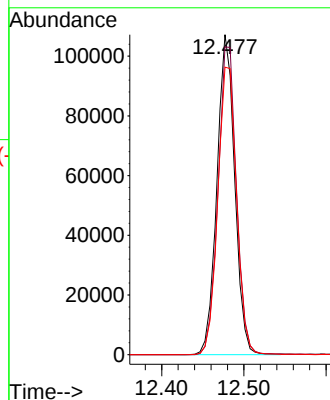
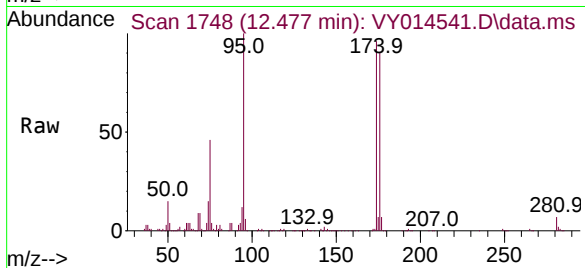
Tgt Ion: 95 Resp: 161196

Ion Ratio Lower Upper

95 100

174 99.9 0.0 178.2

176 95.1 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 1585

Delta R.T. -0.006 min

Lab File: VY014541.D

Acq: 03 Jul 2023 17:32

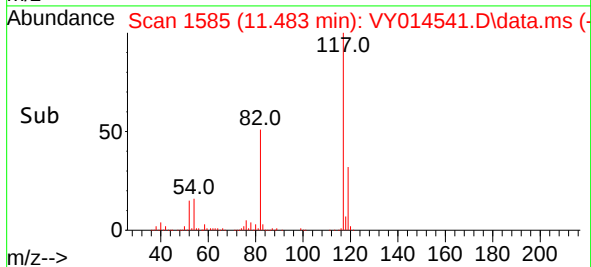
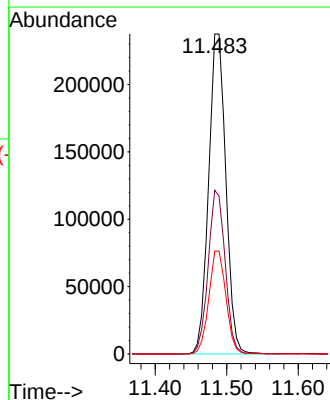
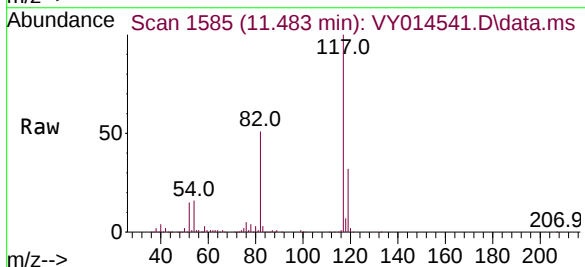
Tgt Ion: 117 Resp: 397246

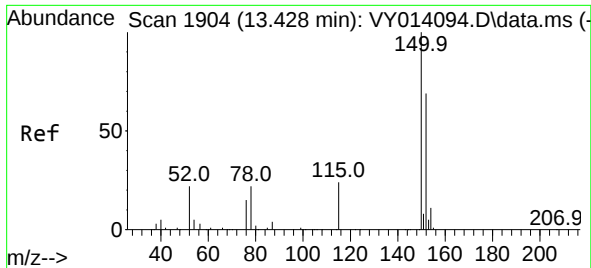
Ion Ratio Lower Upper

117 100

82 51.2 43.4 65.0

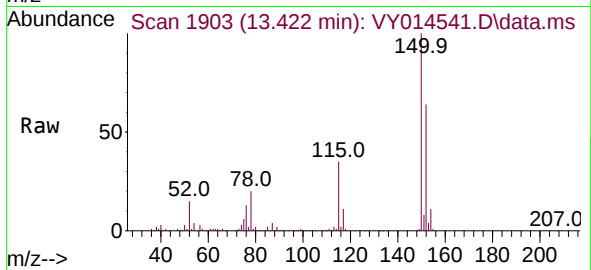
119 32.1 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.006 min
 Lab File: VY014541.D
 Acq: 03 Jul 2023 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUCT-1



Tgt Ion:152 Resp: 191430
 Ion Ratio Lower Upper
 152 100
 115 54.3 28.8 86.5
 150 156.4 0.0 348.8

