

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021291.D
 Acq On : 21 Feb 2025 17:21
 Operator : SY/MD
 Sample : Q1382-09
 Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-05-021725

Quant Time: Feb 21 23:10:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

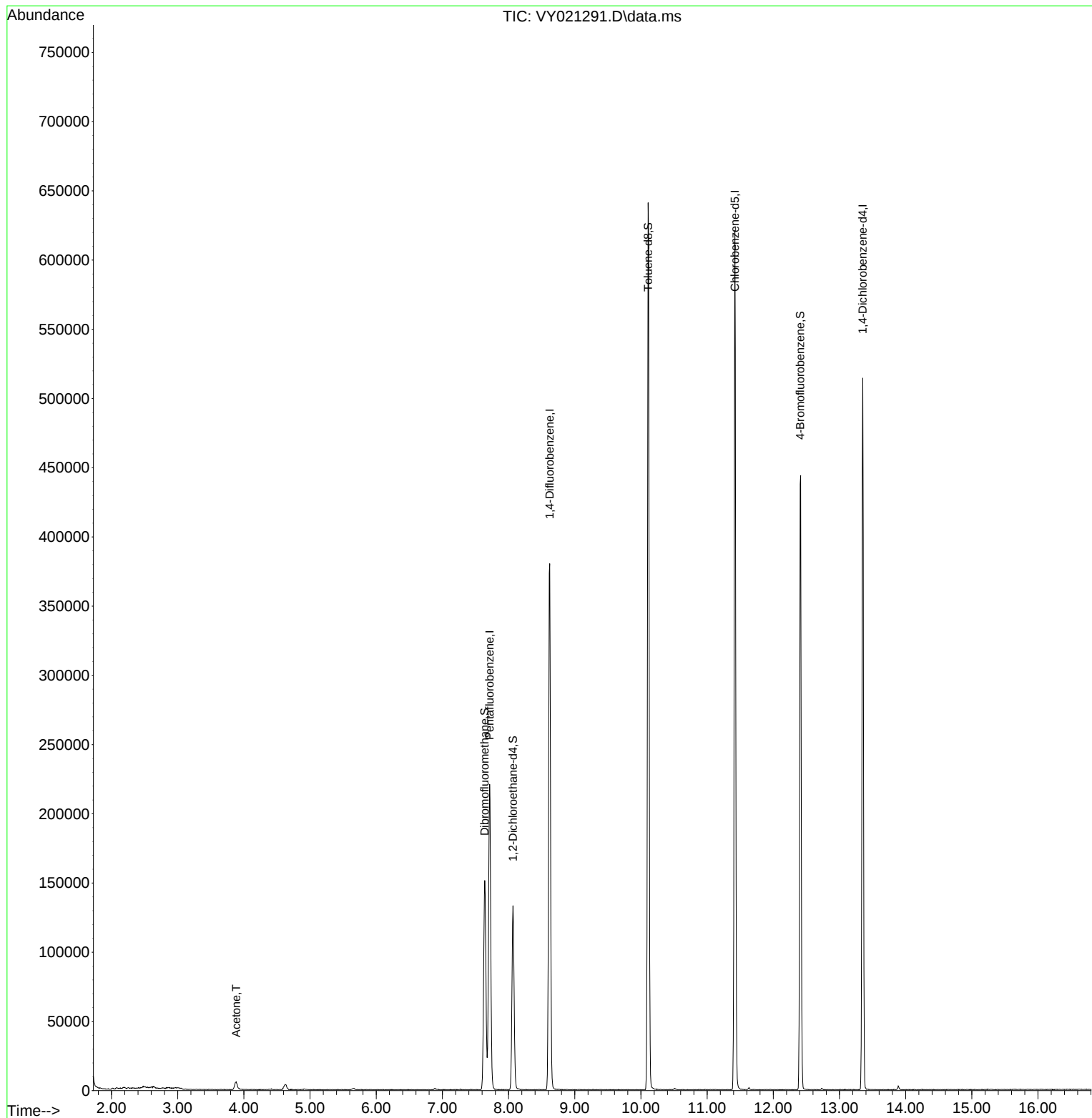
Internal Standards						
1) Pentafluorobenzene	7.713	168	167051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	318752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	306730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	122113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	105337	61.544	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 123.080%		
35) Dibromofluoromethane	7.640	113	105511	51.651	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 103.300%		
50) Toluene-d8	10.109	98	398237	51.207	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 102.420%		
62) 4-Bromofluorobenzene	12.407	95	128037	50.394	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 100.780%		
Target Compounds						
16) Acetone	3.884	43	10813	40.511	ug/l	Qvalue 92

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

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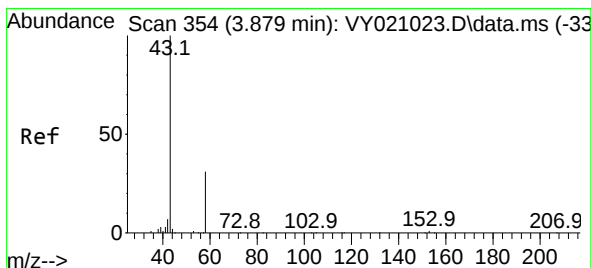
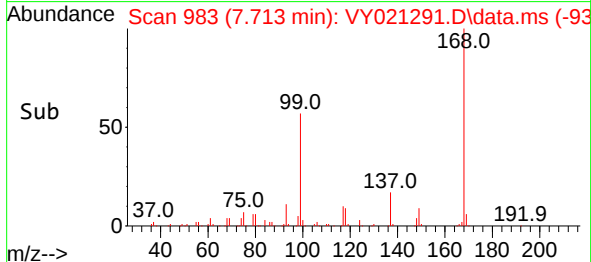
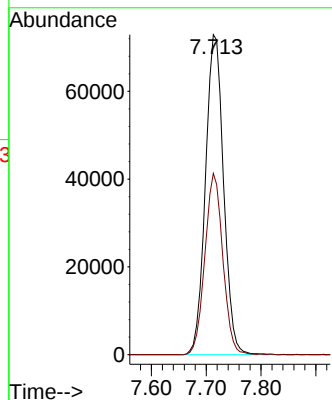
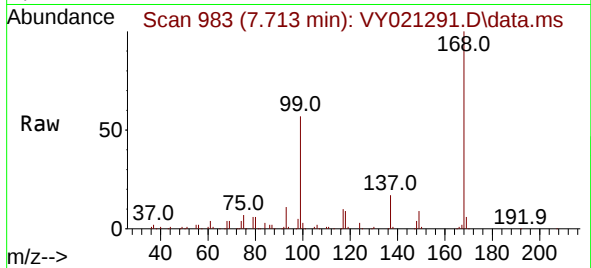




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

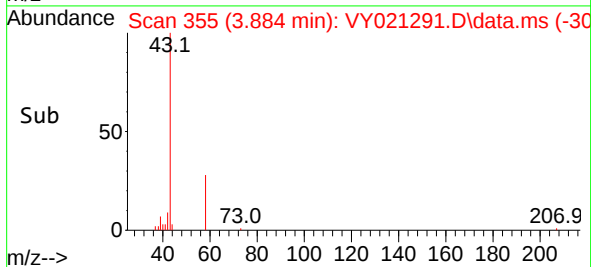
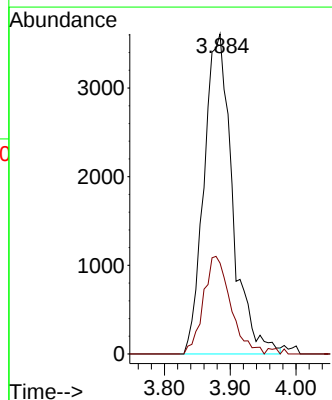
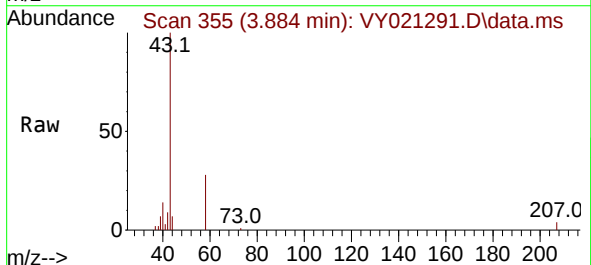
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-05-021725

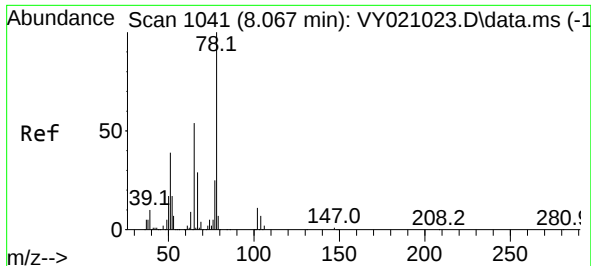
Tgt Ion:168 Resp: 167051
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#16
Acetone
Concen: 40.511 ug/l
RT: 3.884 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Tgt Ion: 43 Resp: 10813
Ion Ratio Lower Upper
43 100
58 28.4 26.6 39.8





#33

1,2-Dichloroethane-d4

Concen: 61.544 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY021291.D

Acq: 21 Feb 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

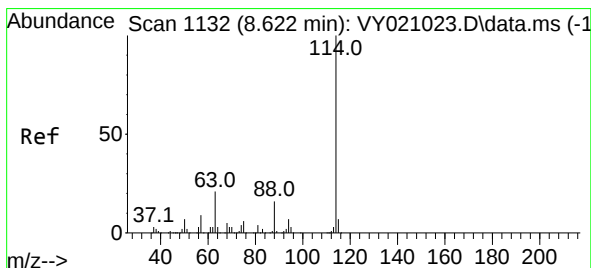
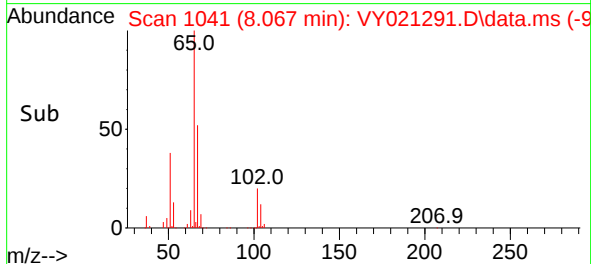
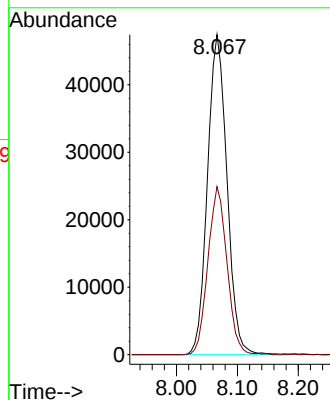
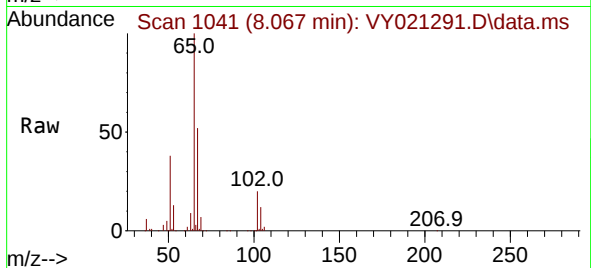
OU4-PCS-TC-05-021725

Tgt Ion: 65 Resp: 105337

Ion Ratio Lower Upper

65 100

67 51.5 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021291.D

Acq: 21 Feb 2025 17:21

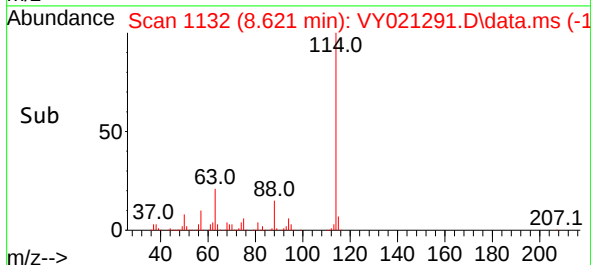
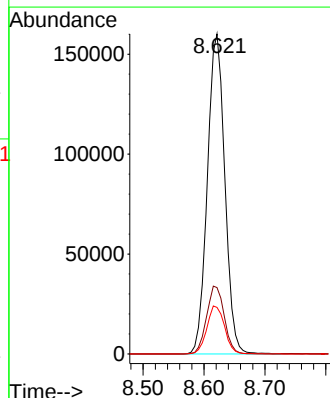
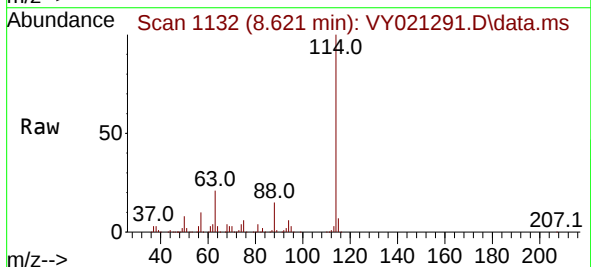
Tgt Ion:114 Resp: 318752

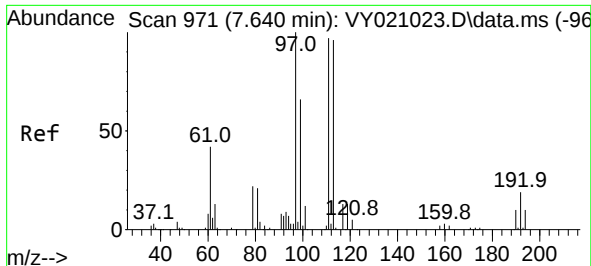
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 14.6 0.0 29.0

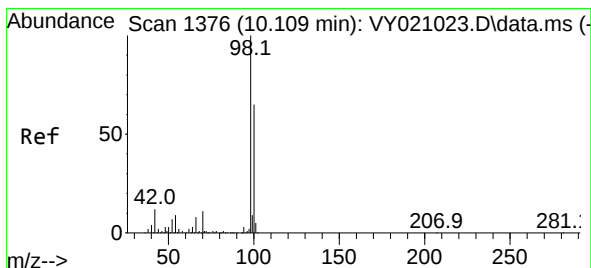
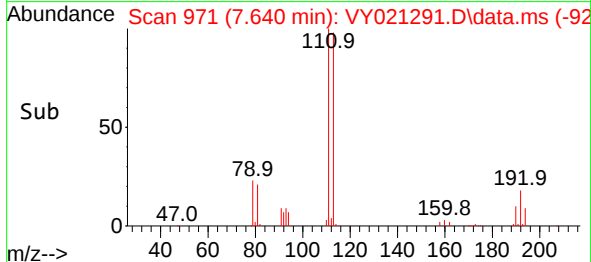
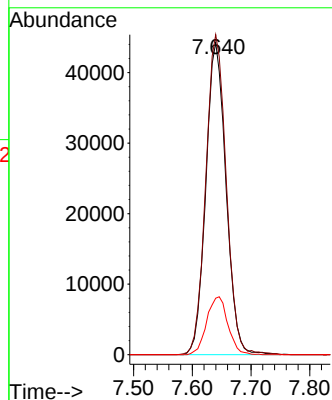
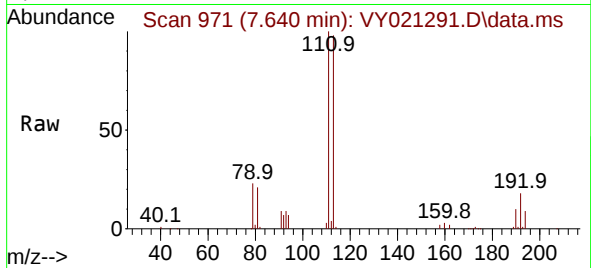




#35
Dibromofluoromethane
Concen: 51.651 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

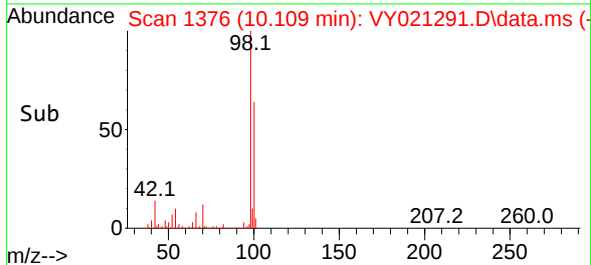
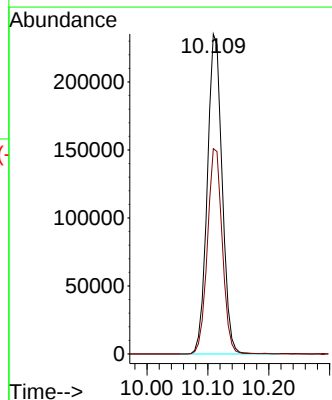
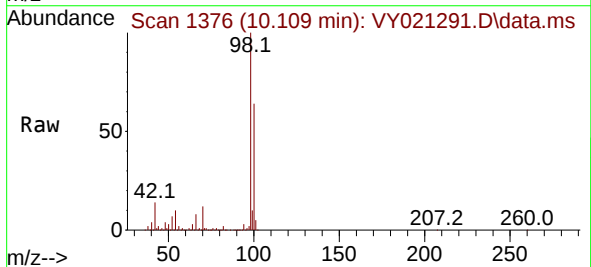
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-05-021725

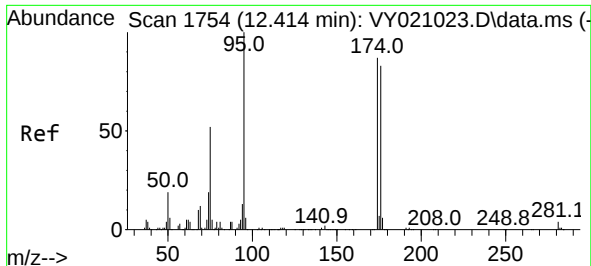
Tgt Ion:113 Resp: 105511
Ion Ratio Lower Upper
113 100
111 104.2 83.8 125.6
192 19.5 14.5 21.7



#50
Toluene-d8
Concen: 51.207 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021291.D
Acq: 21 Feb 2025 17:21

Tgt Ion: 98 Resp: 398237
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 50.394 ug/l

RT: 12.407 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY021291.D

Acq: 21 Feb 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-05-021725

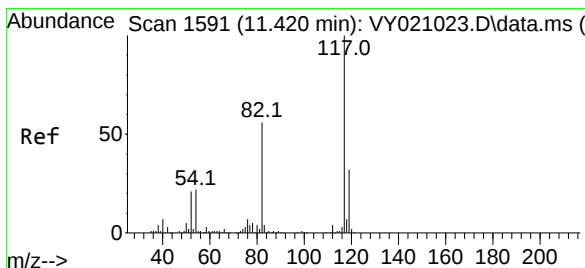
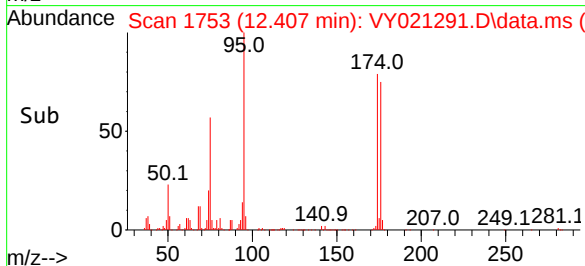
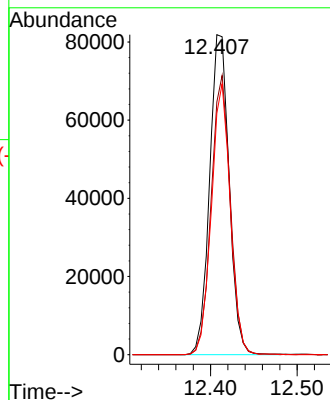
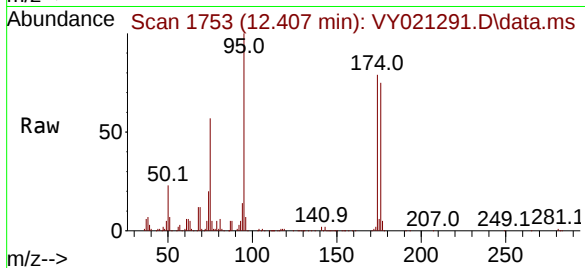
Tgt Ion: 95 Resp: 128037

Ion Ratio Lower Upper

95 100

174 85.9 0.0 160.0

176 82.1 0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021291.D

Acq: 21 Feb 2025 17:21

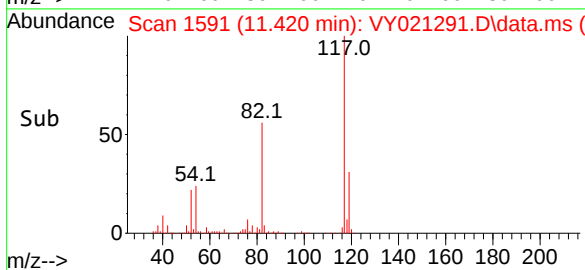
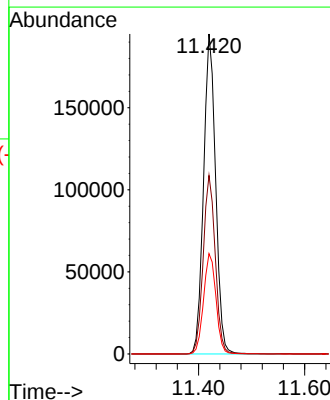
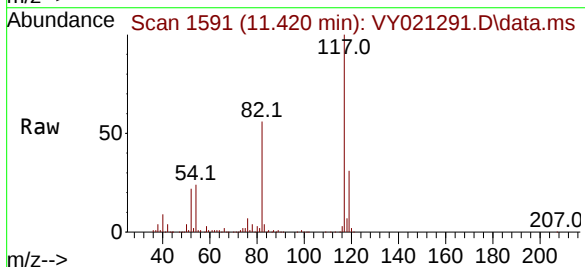
Tgt Ion: 117 Resp: 306730

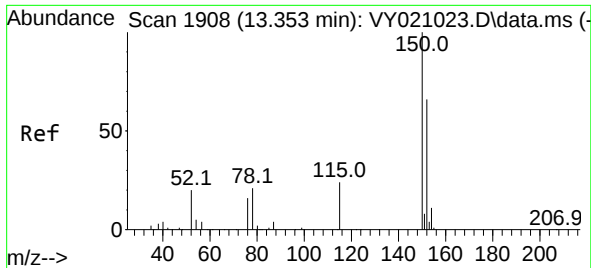
Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

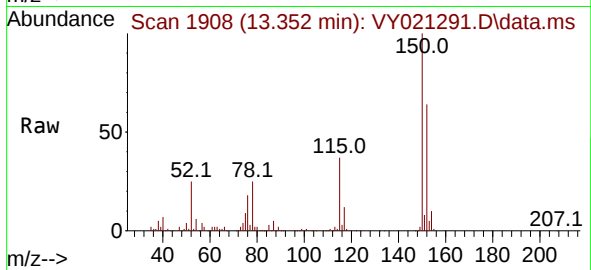
119 31.4 26.5 39.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY021291.D
 Acq: 21 Feb 2025 17:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-05-021725



Tgt Ion:	152	Resp:	122113
Ion	Ratio	Lower	Upper
152	100		
115	57.7	30.0	90.0
150	156.6	0.0	344.6

