

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021265.D
 Acq On : 20 Feb 2025 21:23
 Operator : SY/MD
 Sample : Q1382-13
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-07-021725

Quant Time: Feb 21 02:47:24 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)

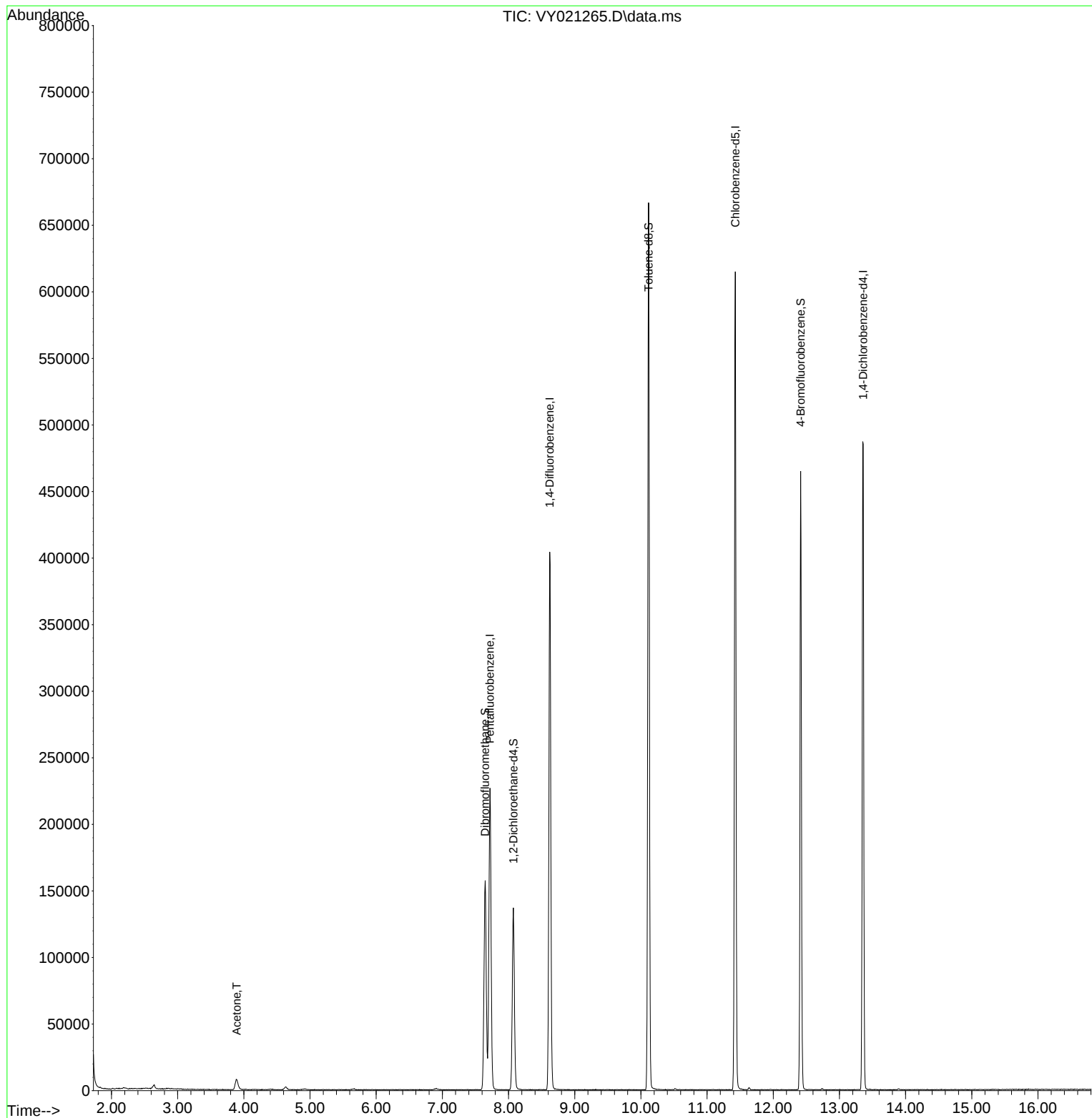
Internal Standards						
1) Pentafluorobenzene	7.719	168	174743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	332067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	313151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	123445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	106598	59.539	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.080%
35) Dibromofluoromethane	7.646	113	111593	52.438	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.880%
50) Toluene-d8	10.115	98	409922	50.596	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.200%
62) 4-Bromofluorobenzene	12.414	95	131121	49.539	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.080%
Target Compounds						
16) Acetone	3.891	43	15811	56.628	ug/l	Qvalue # 88

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

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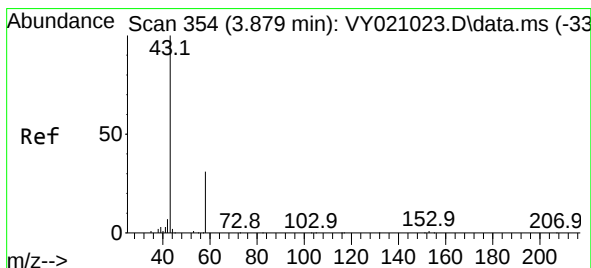
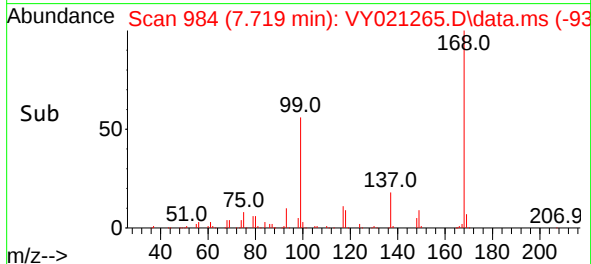
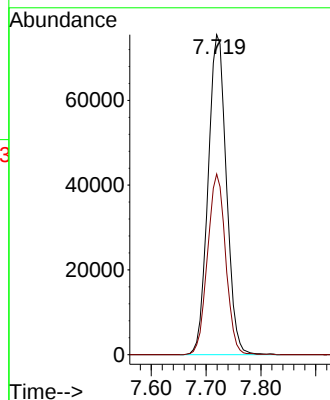
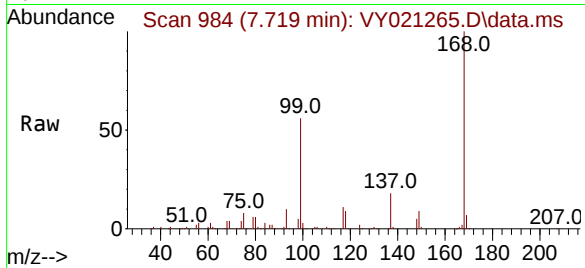




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021265.D
Acq: 20 Feb 2025 21:23

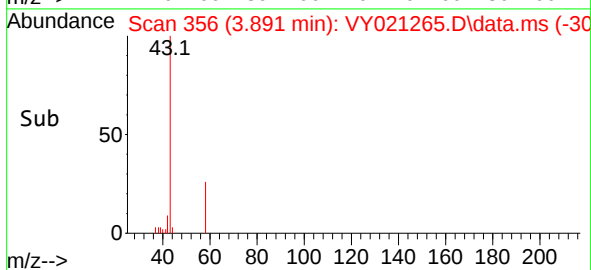
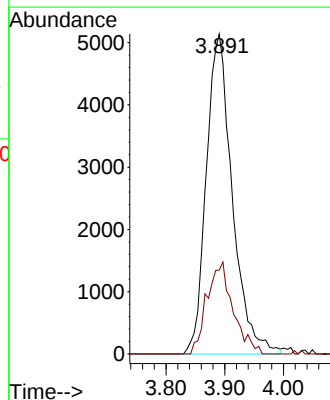
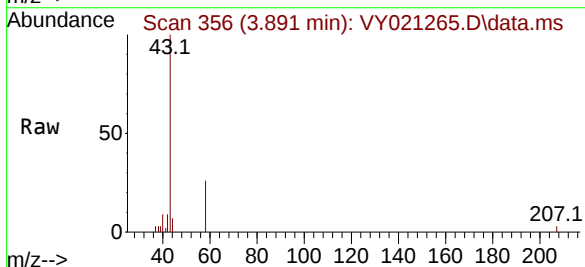
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-07-021725

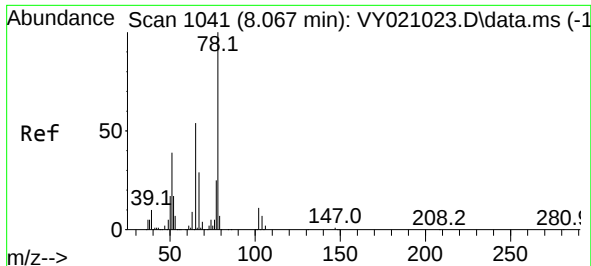
Tgt Ion:168 Resp: 174743
Ion Ratio Lower Upper
168 100
99 56.4 44.2 66.4



#16
Acetone
Concen: 56.628 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY021265.D
Acq: 20 Feb 2025 21:23

Tgt Ion: 43 Resp: 15811
Ion Ratio Lower Upper
43 100
58 26.2 26.6 39.8#





#33

1,2-Dichloroethane-d4

Concen: 59.539 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY021265.D

Acq: 20 Feb 2025 21:23

Instrument :

MSVOA_Y

ClientSampleId :

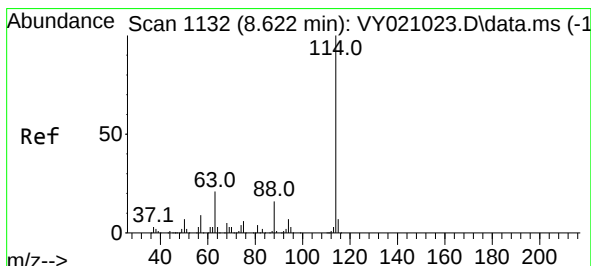
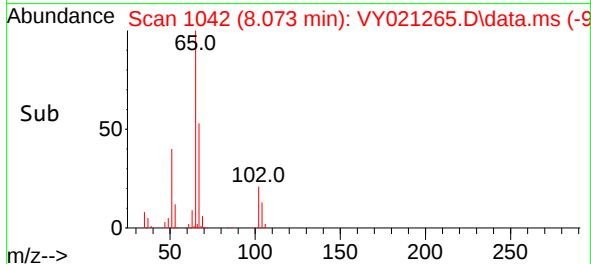
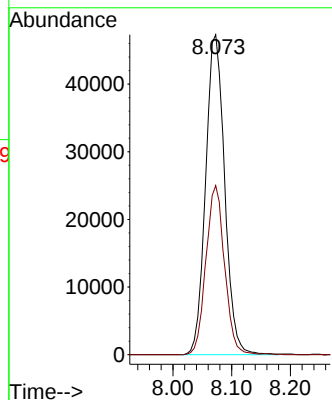
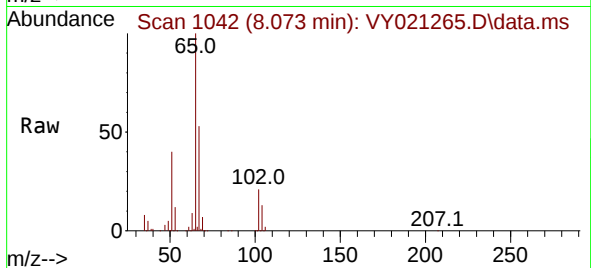
OU4-PCS-TC-07-021725

Tgt Ion: 65 Resp: 106598

Ion Ratio Lower Upper

65 100

67 51.7 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021265.D

Acq: 20 Feb 2025 21:23

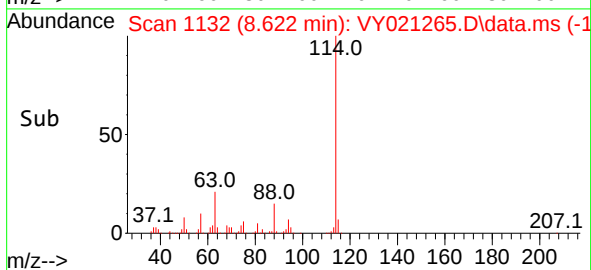
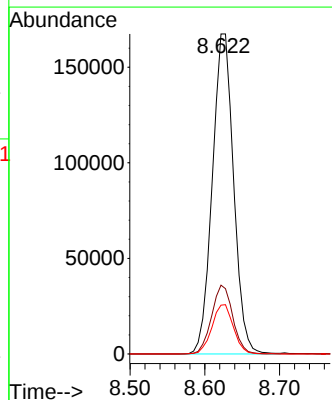
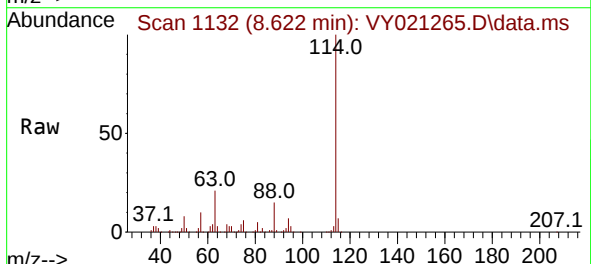
Tgt Ion: 114 Resp: 332067

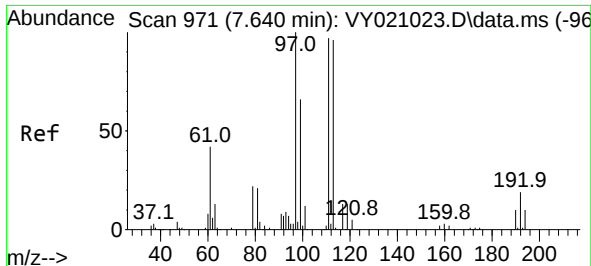
Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

88 15.3 0.0 29.0

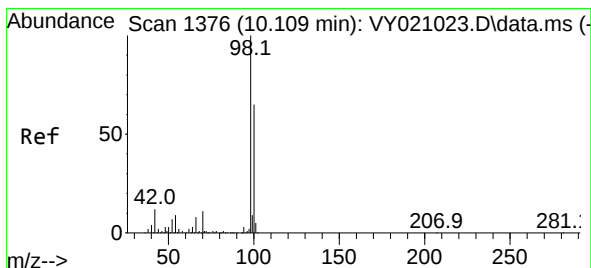
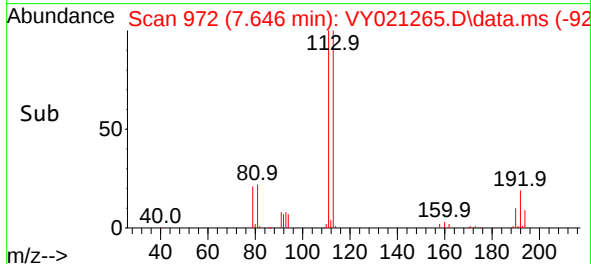
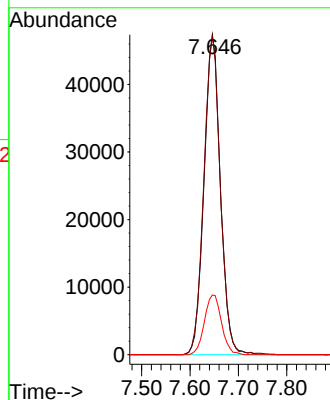
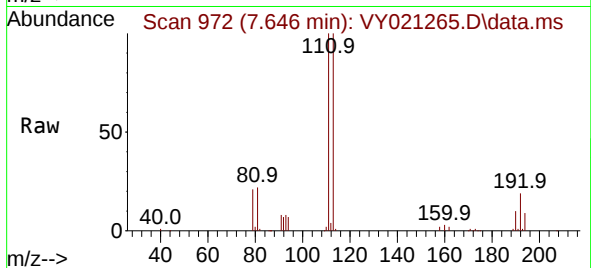




#35
Dibromofluoromethane
Concen: 52.438 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021265.D
Acq: 20 Feb 2025 21:23

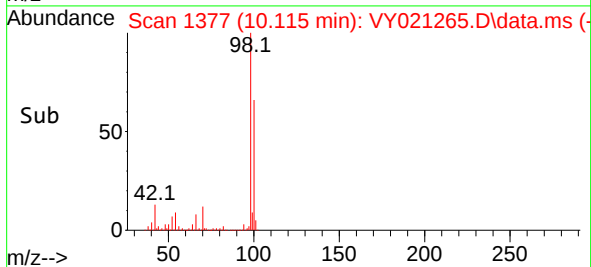
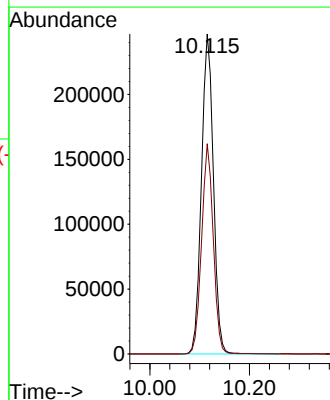
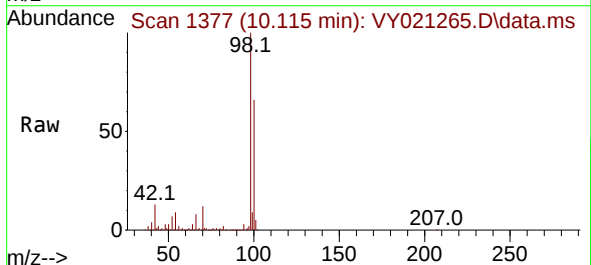
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-07-021725

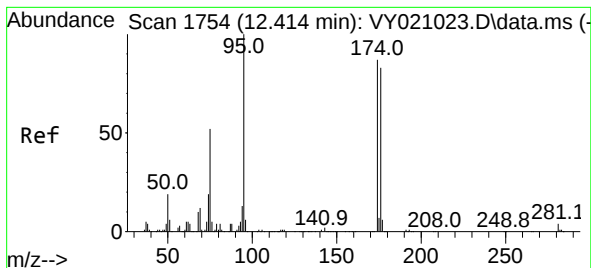
Tgt Ion:113 Resp: 111593
Ion Ratio Lower Upper
113 100
111 100.4 83.8 125.6
192 19.4 14.5 21.7



#50
Toluene-d8
Concen: 50.596 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021265.D
Acq: 20 Feb 2025 21:23

Tgt Ion: 98 Resp: 409922
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 49.539 ug/l

RT: 12.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021265.D

Acq: 20 Feb 2025 21:23

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-07-021725

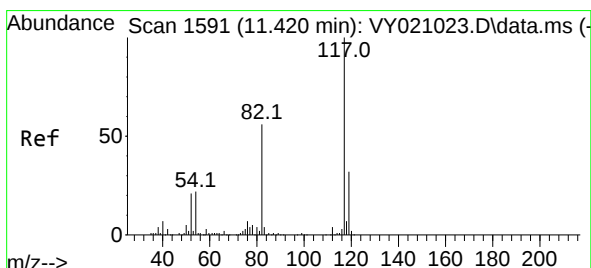
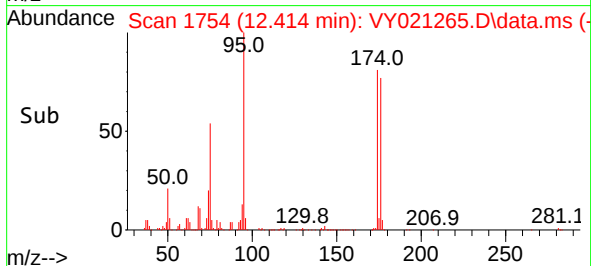
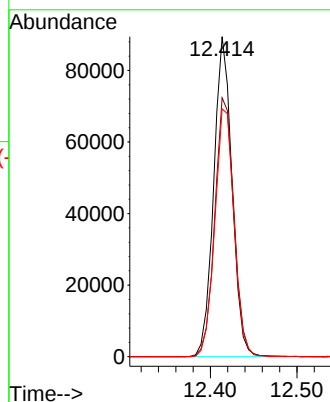
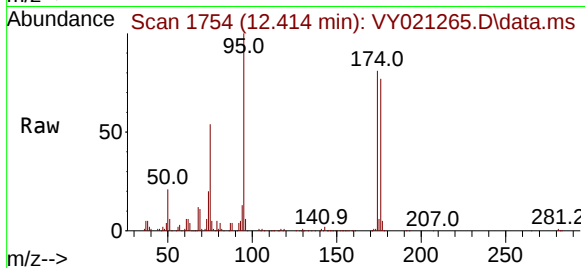
Tgt Ion: 95 Resp: 131121

Ion Ratio Lower Upper

95 100

174 85.0 0.0 160.0

176 81.6 0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1592

Delta R.T. 0.006 min

Lab File: VY021265.D

Acq: 20 Feb 2025 21:23

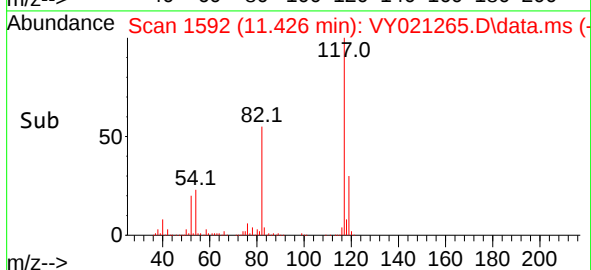
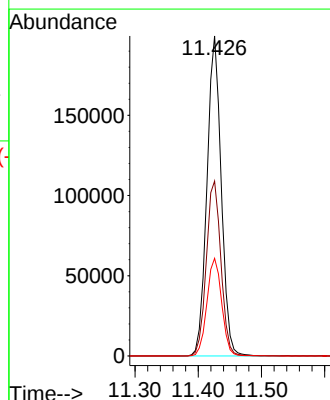
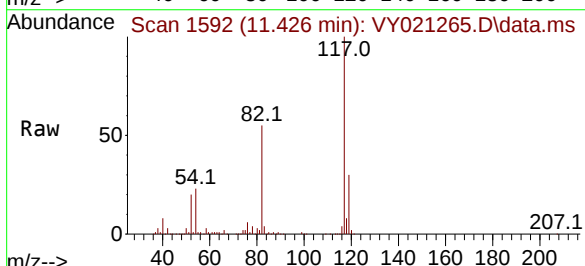
Tgt Ion: 117 Resp: 313151

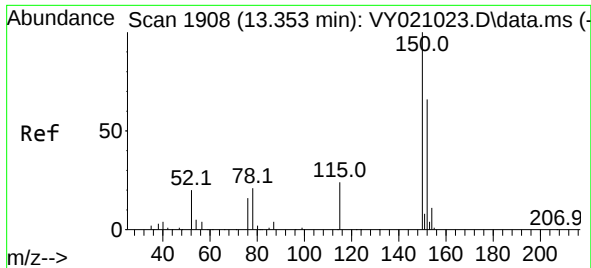
Ion Ratio Lower Upper

117 100

82 54.6 43.8 65.8

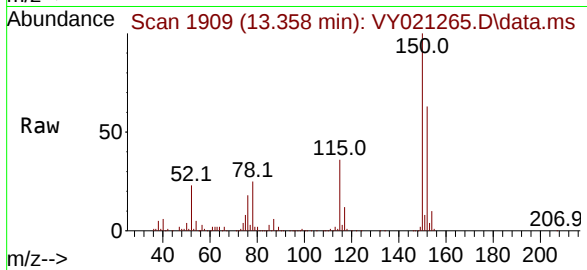
119 30.5 26.5 39.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.358 min Scan# 1909
 Delta R.T. 0.006 min
 Lab File: VY021265.D
 Acq: 20 Feb 2025 21:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-07-021725



Tgt Ion:	152	Resp:	123445
Ion	Ratio	Lower	Upper
152	100		
115	57.2	30.0	90.0
150	155.0	0.0	344.6

