

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022333.D
 Acq On : 20 May 2025 11:28
 Operator : SY/MD
 Sample : Q2062-19
 Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-5-VOC

Quant Time: May 21 01:45:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	257147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	453971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	362142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125937	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145390	51.733	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.460%
35) Dibromofluoromethane	7.634	113	136604	50.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.840%
50) Toluene-d8	10.103	98	547392	49.327	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.408	95	136893	38.918	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.840%

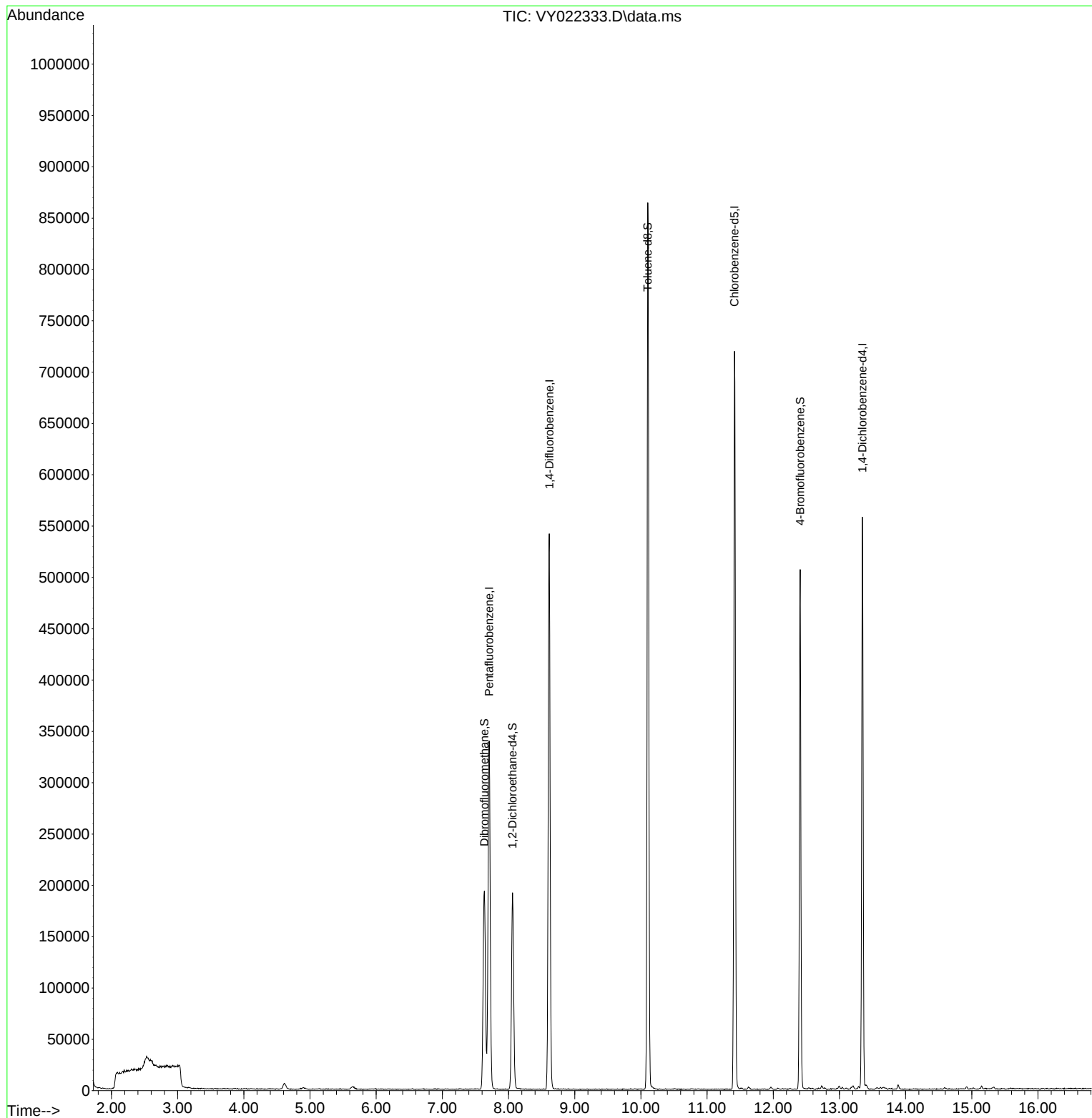
Target Compounds	Qvalue

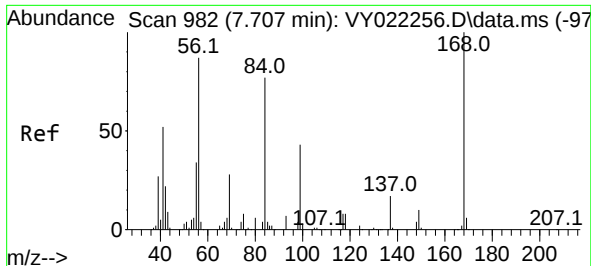
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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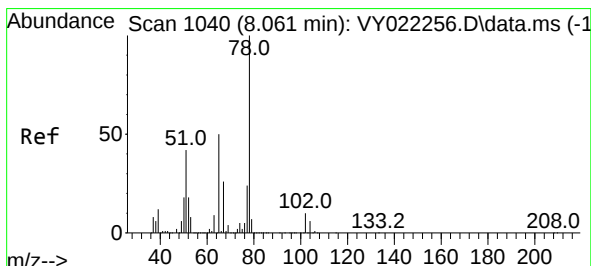
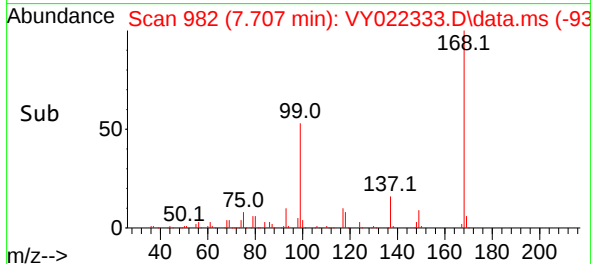
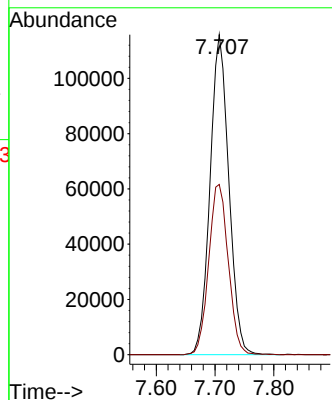
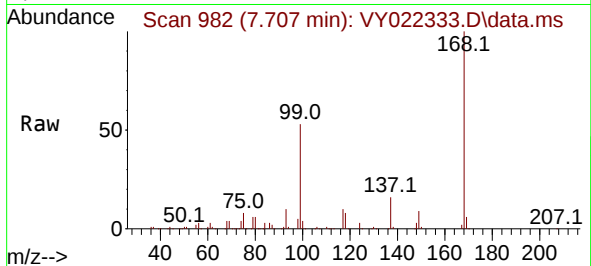




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

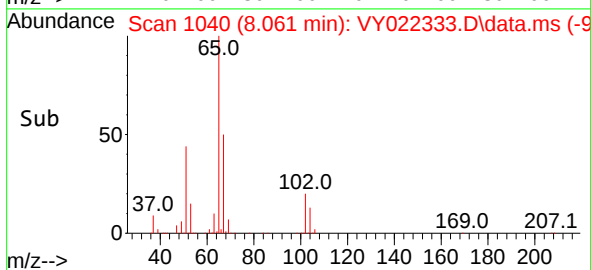
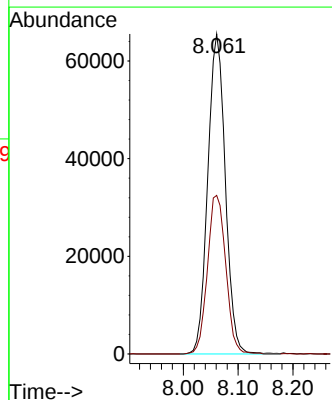
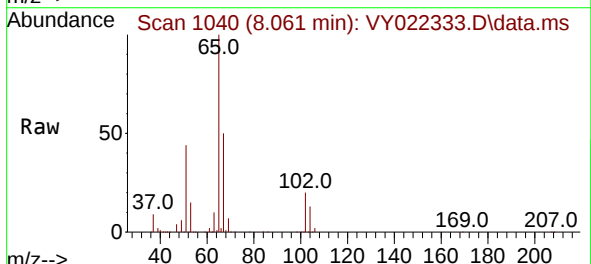
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-5-VOC

Tgt Ion:168 Resp: 257147
Ion Ratio Lower Upper
168 100
99 53.2 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 51.733 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

Tgt Ion: 65 Resp: 145390
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6

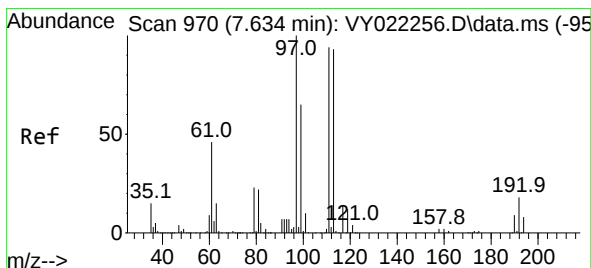
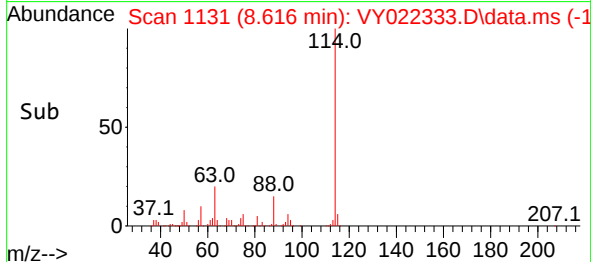
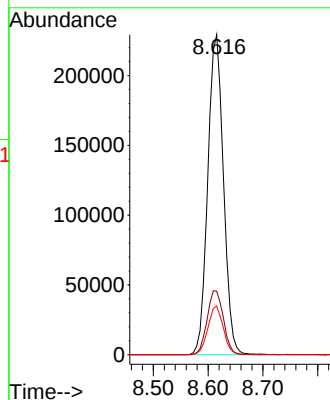
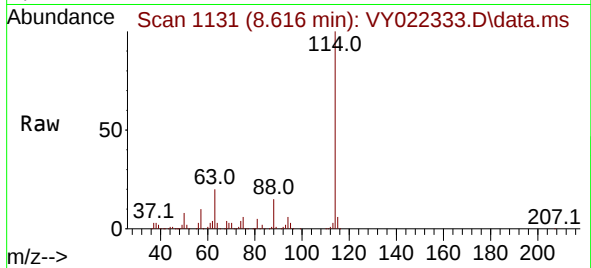




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

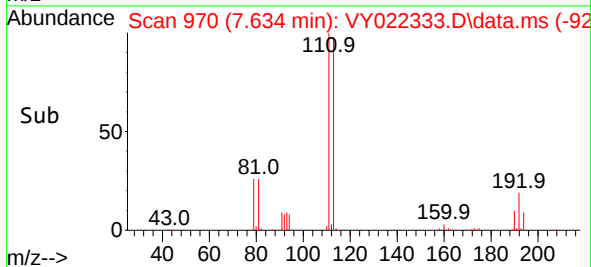
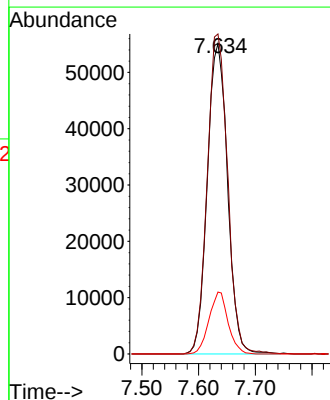
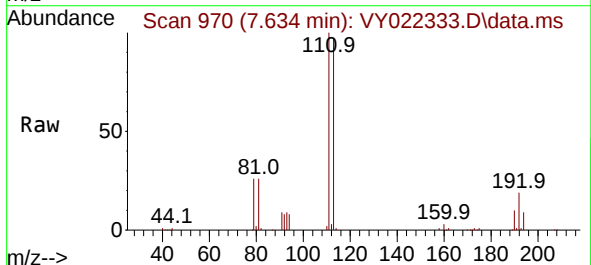
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-5-VOC

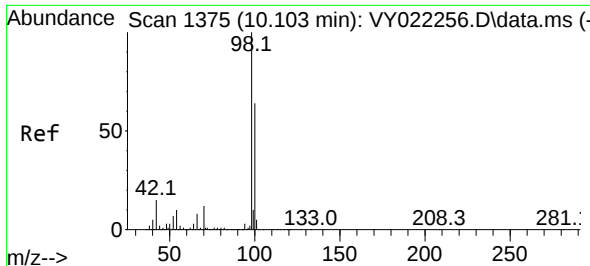
Tgt Ion:114 Resp: 453971
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.0
88 15.2 0.0 29.4



#35
Dibromofluoromethane
Concen: 50.415 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

Tgt Ion:113 Resp: 136604
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 18.8 15.2 22.8

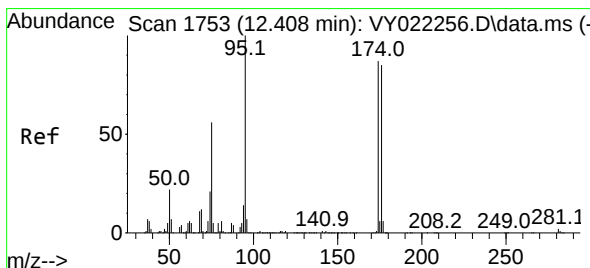
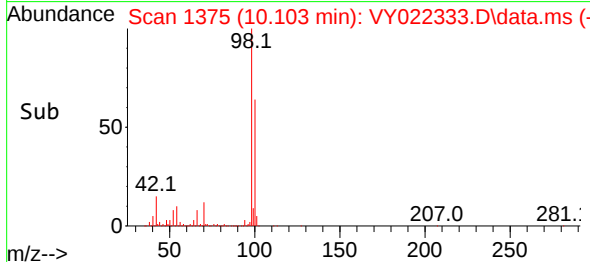
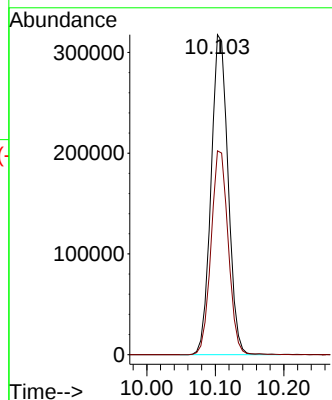
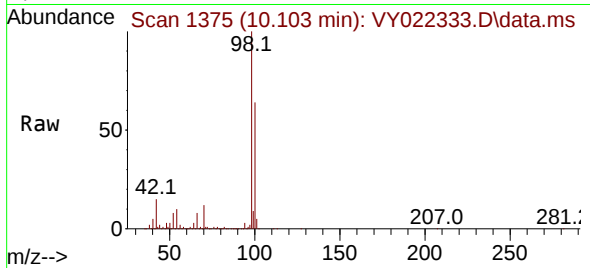




#50
Toluene-d8
Concen: 49.327 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

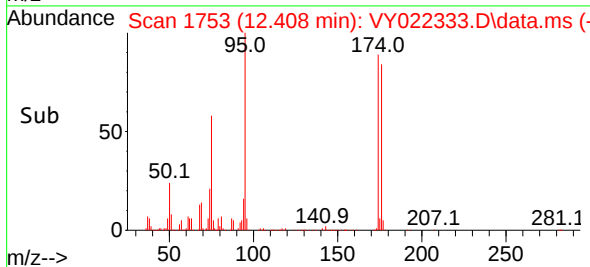
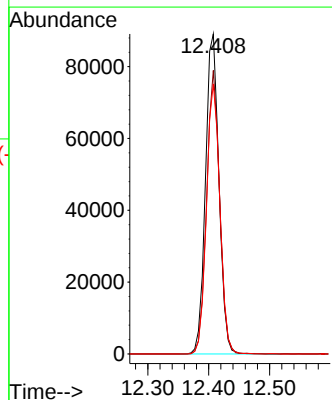
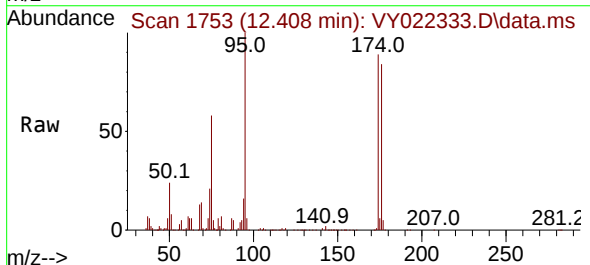
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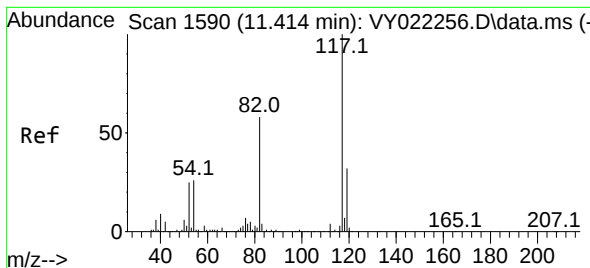
Tgt Ion: 98 Resp: 547392
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.918 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

Tgt Ion: 95 Resp: 136893
Ion Ratio Lower Upper
95 100
174 85.7 0.0 166.8
176 84.0 0.0 160.8

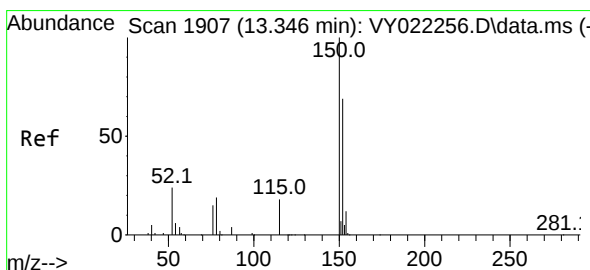
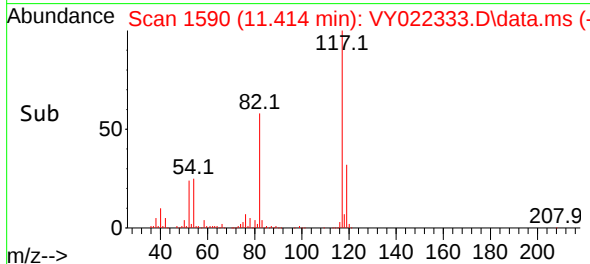
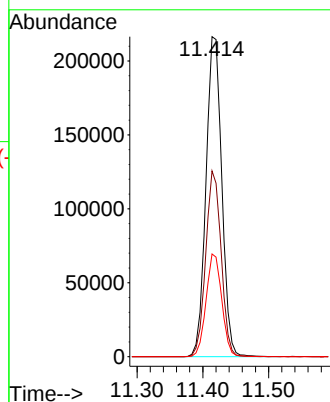
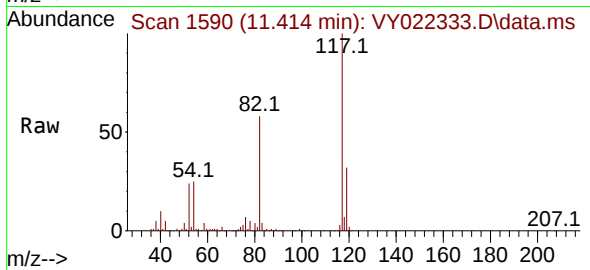




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-5-VOC

Tgt Ion:117 Resp: 362142
Ion Ratio Lower Upper
117 100
82 58.0 46.6 70.0
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

Tgt Ion:152 Resp: 125937
Ion Ratio Lower Upper
152 100
115 57.6 29.4 88.2
150 159.6 0.0 353.8

