

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022346.D
 Acq On : 20 May 2025 16:32
 Operator : SY/MD
 Sample : Q2084-02
 Misc : 3.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-640-VOC-66

Quant Time: May 21 01:52:03 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	243512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	439514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	346988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128057	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125774	47.259	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.520%
35) Dibromofluoromethane	7.634	113	128784	49.093	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.180%
50) Toluene-d8	10.109	98	518526	48.263	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.520%
62) 4-Bromofluorobenzene	12.407	95	132333	38.860	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.720%

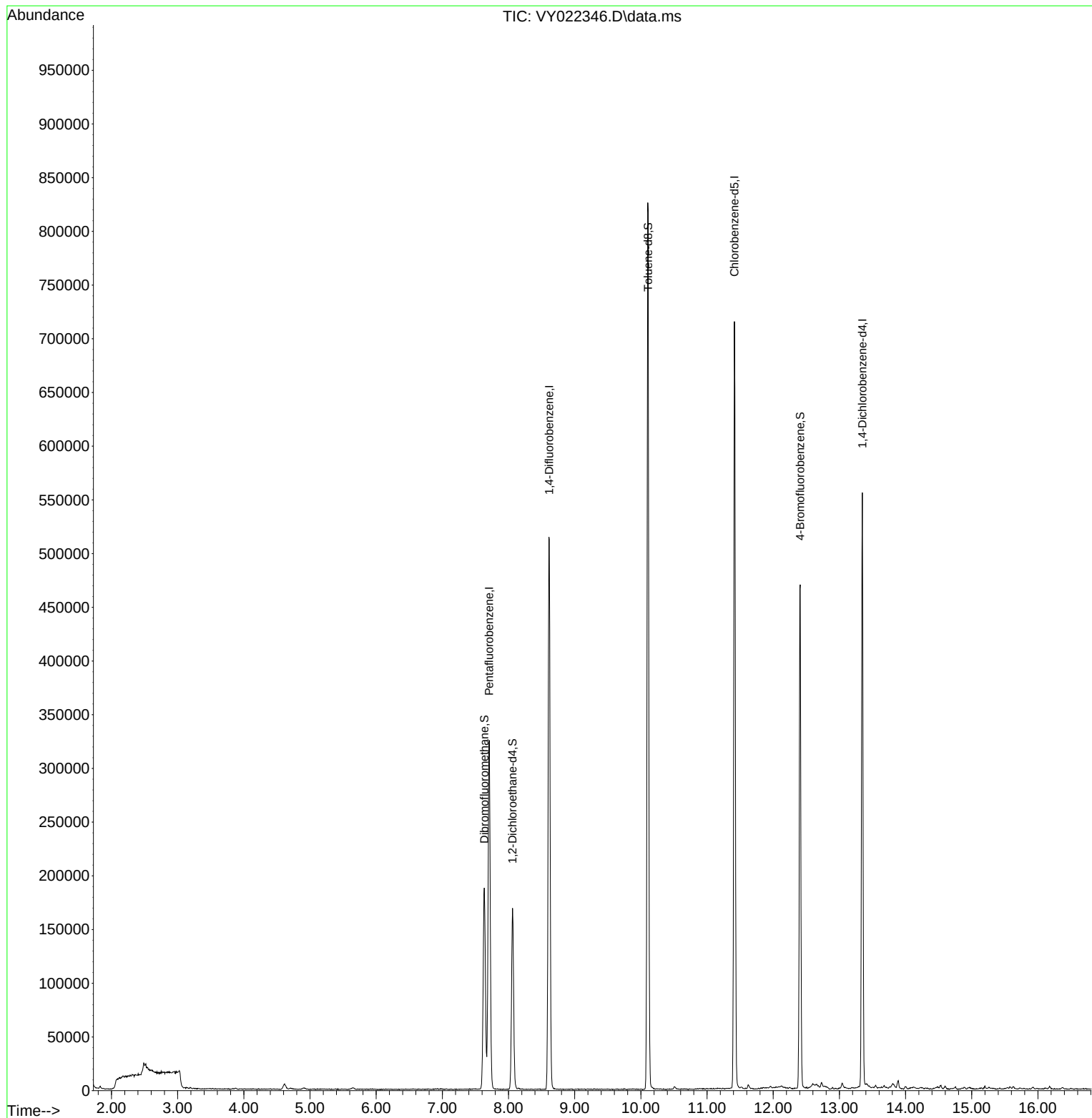
Target Compounds	Qvalue

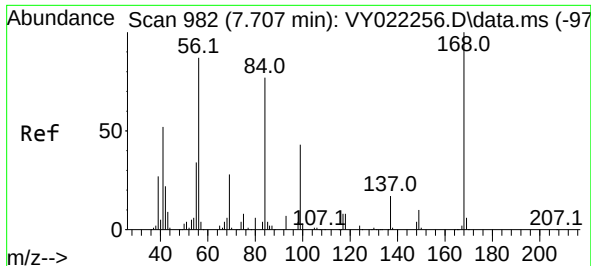
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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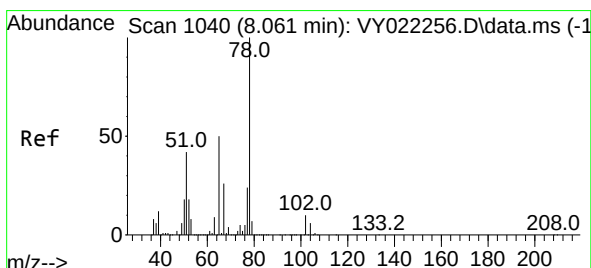
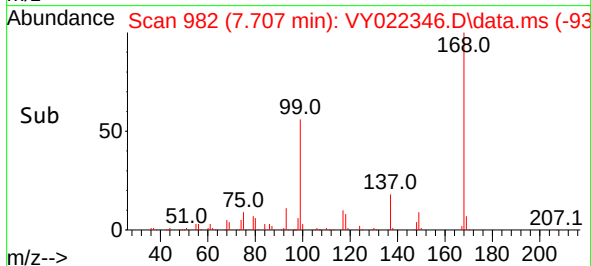
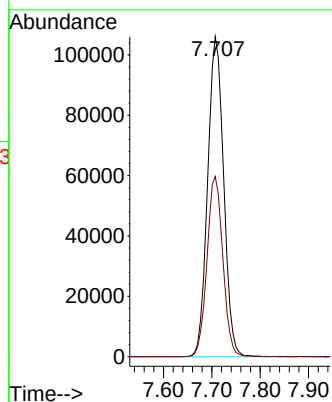
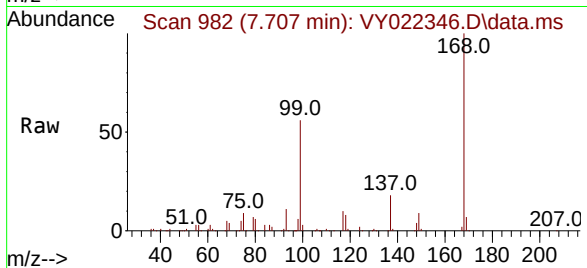




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022346.D
Acq: 20 May 2025 16:32

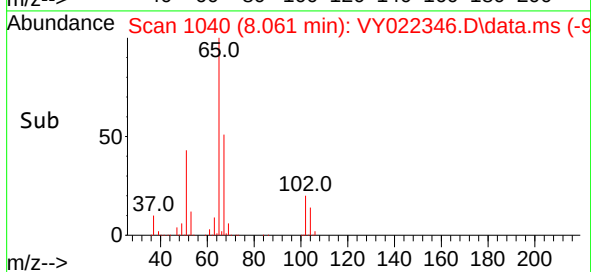
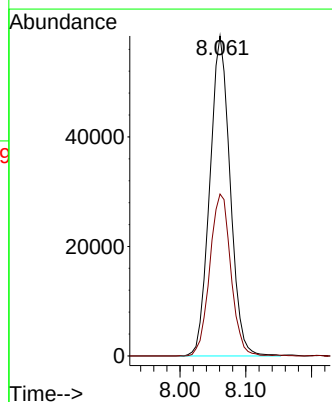
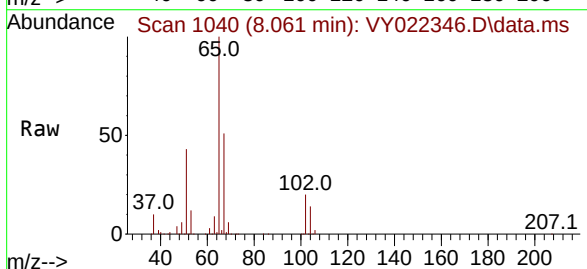
Instrument :
MSVOA_Y
ClientSampleId :
OR-640-VOC-66

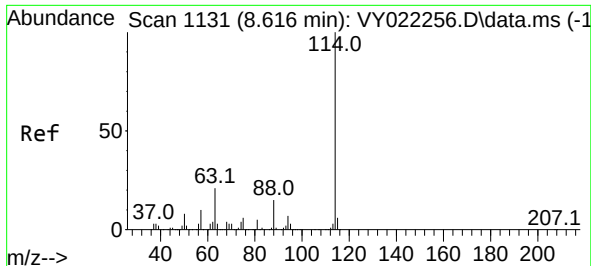
Tgt Ion:168 Resp: 243512
Ion Ratio Lower Upper
168 100
99 56.3 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 47.259 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022346.D
Acq: 20 May 2025 16:32

Tgt Ion: 65 Resp: 125774
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6

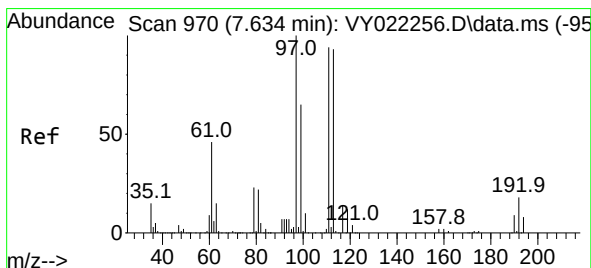
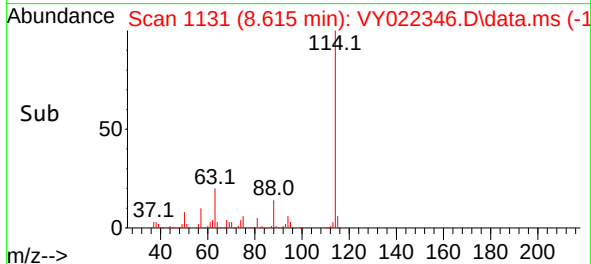
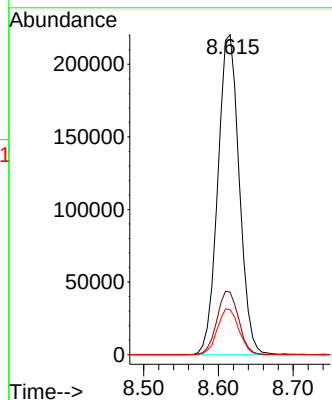
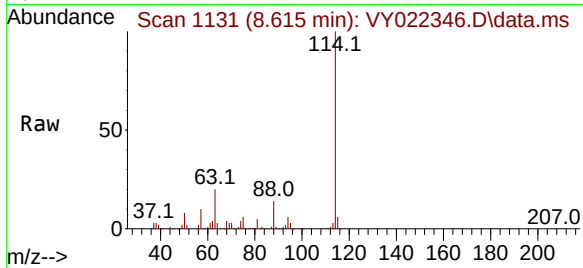




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022346.D
Acq: 20 May 2025 16:32

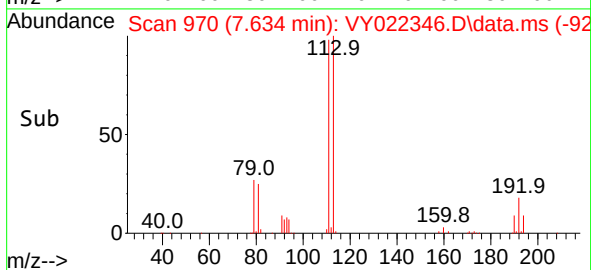
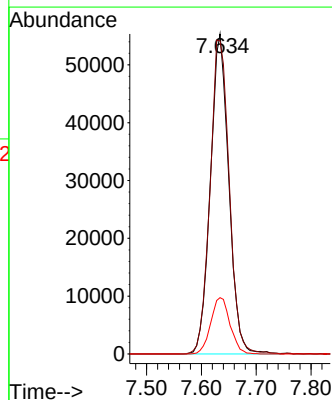
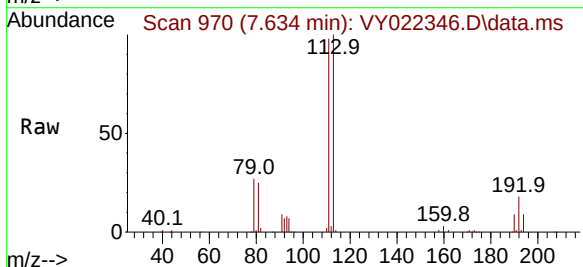
Instrument :
MSVOA_Y
ClientSampleId :
OR-640-VOC-66

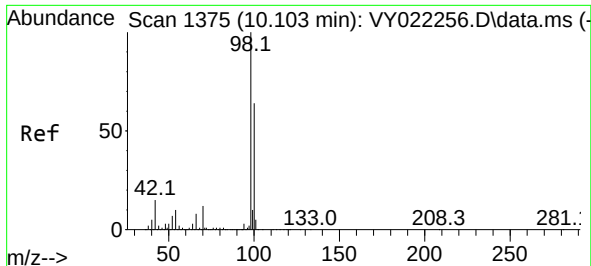
Tgt Ion:114 Resp: 439514
Ion Ratio Lower Upper
114 100
63 19.6 0.0 41.0
88 14.1 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.093 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022346.D
Acq: 20 May 2025 16:32

Tgt Ion:113 Resp: 128784
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 18.4 15.2 22.8

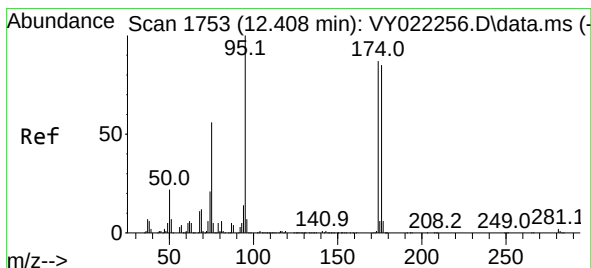
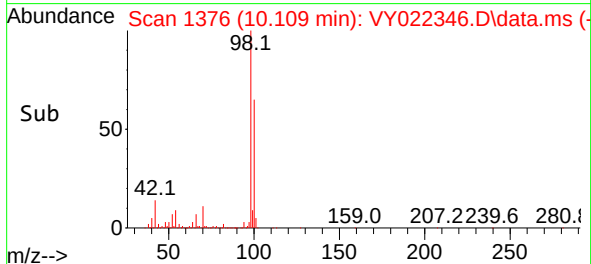
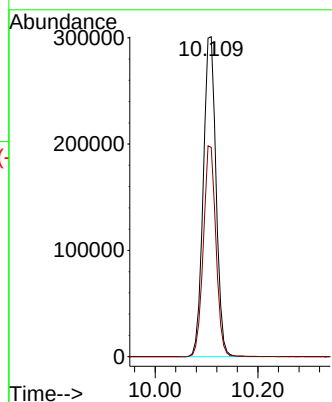
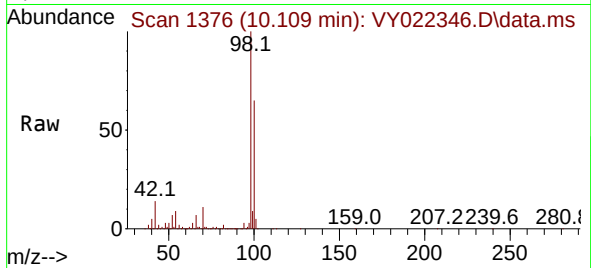




#50
Toluene-d8
Concen: 48.263 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022346.D
Acq: 20 May 2025 16:32

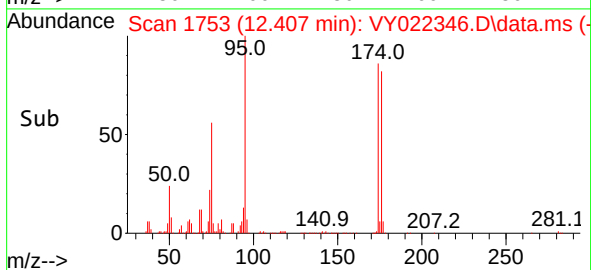
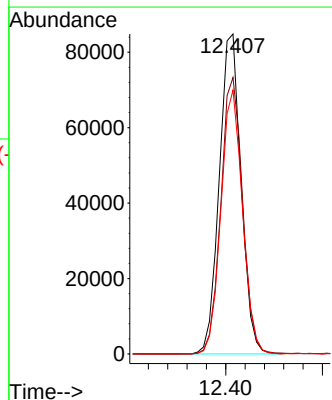
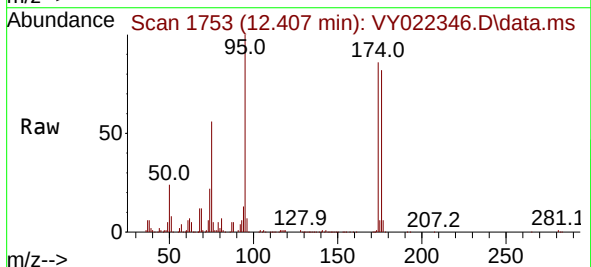
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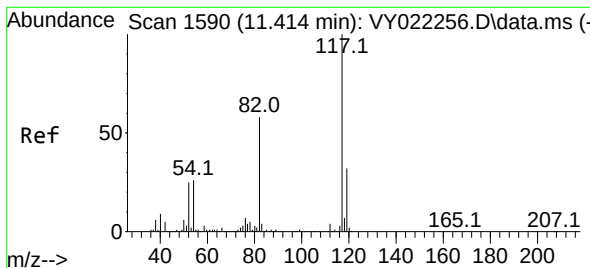
Tgt Ion: 98 Resp: 518526
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.860 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022346.D
Acq: 20 May 2025 16:32

Tgt Ion: 95 Resp: 132333
Ion Ratio Lower Upper
95 100
174 86.4 0.0 166.8
176 81.7 0.0 160.8

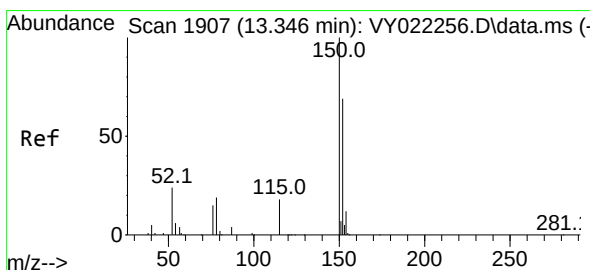
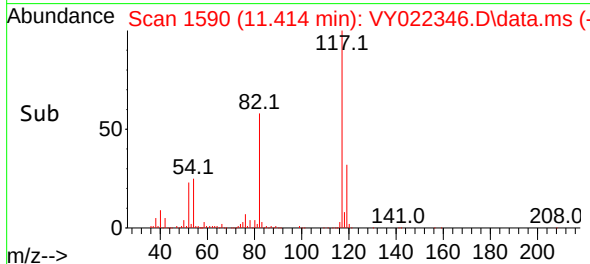
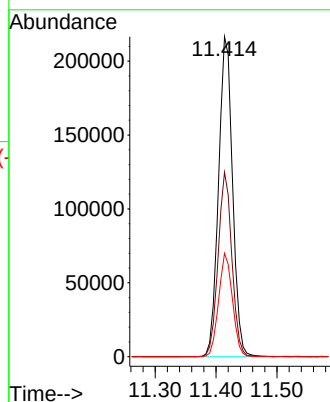
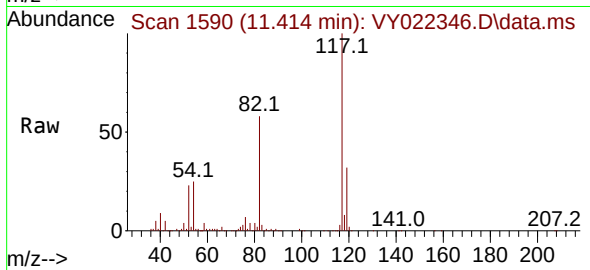




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022346.D
Acq: 20 May 2025 16:32

Instrument :
MSVOA_Y
ClientSampleId :
OR-640-VOC-66

Tgt Ion:117 Resp: 346988
Ion Ratio Lower Upper
117 100
82 57.7 46.6 70.0
119 32.3 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: VY022346.D
Acq: 20 May 2025 16:32

Tgt Ion:152 Resp: 128057
Ion Ratio Lower Upper
152 100
115 56.0 29.4 88.2
150 157.5 0.0 353.8

