

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021668.D
 Acq On : 27 Mar 2025 15:48
 Operator : SY/MD
 Sample : Q1645-03RE
 Misc : 4.82g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4-VOCRE

Quant Time: Mar 28 04:01:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	128473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	225530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	200537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	75293	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	77764	55.866	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.740%
35) Dibromofluoromethane	7.634	113	79615	54.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.840%
50) Toluene-d8	10.109	98	270818	48.659	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.408	95	78824	41.871	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.740%

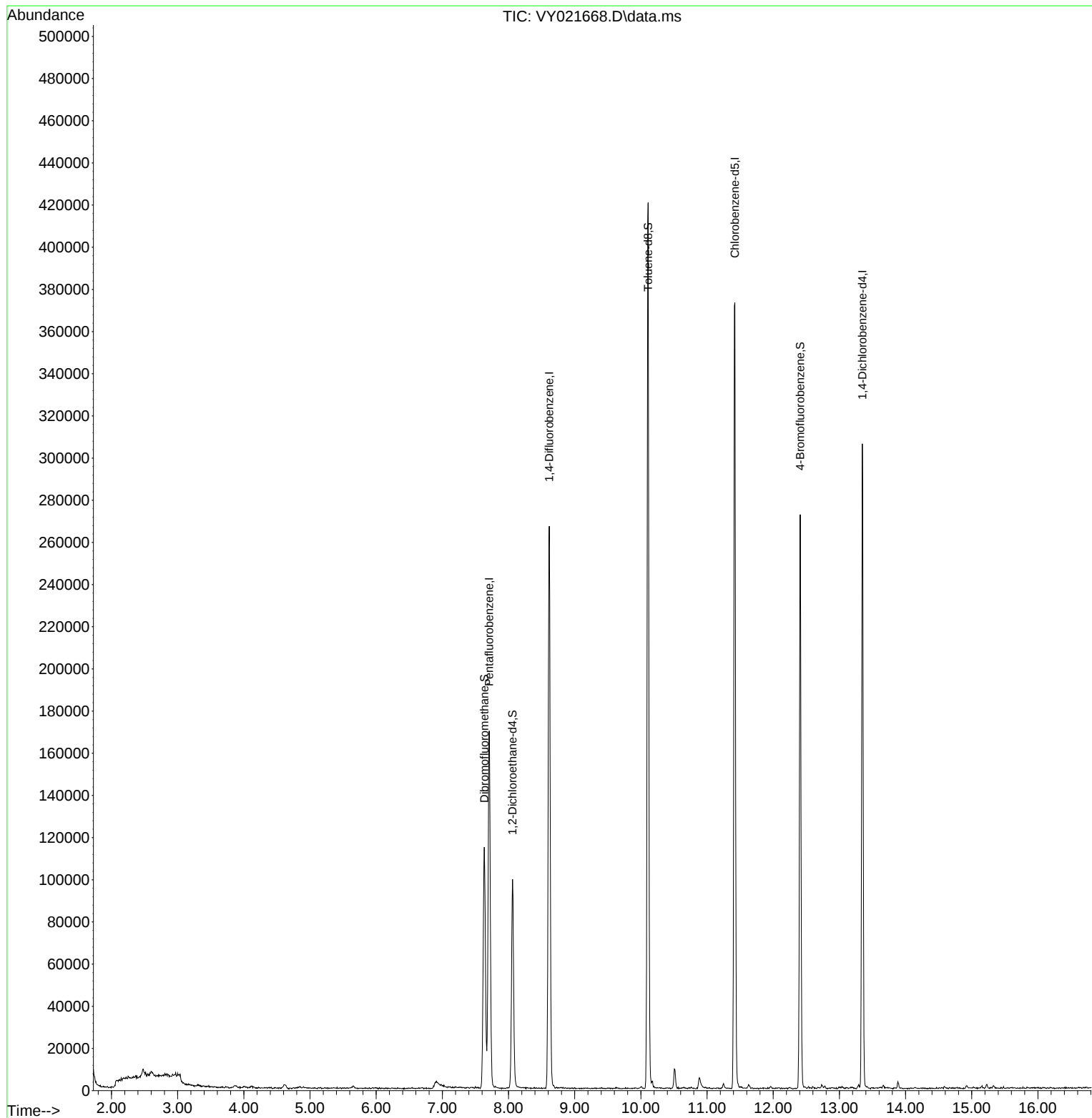
Target Compounds	Qvalue

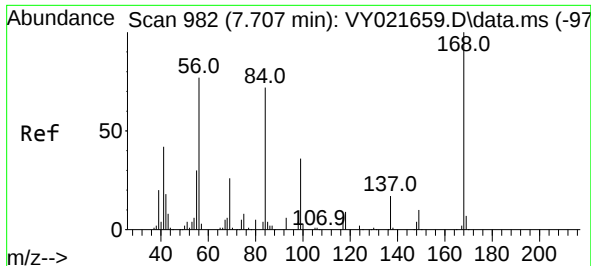
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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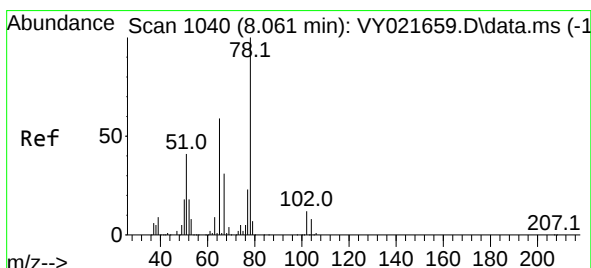
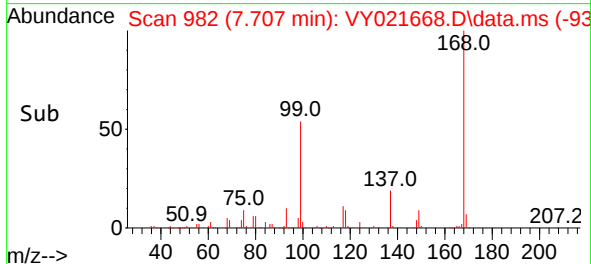
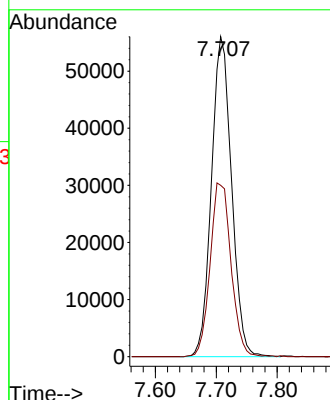
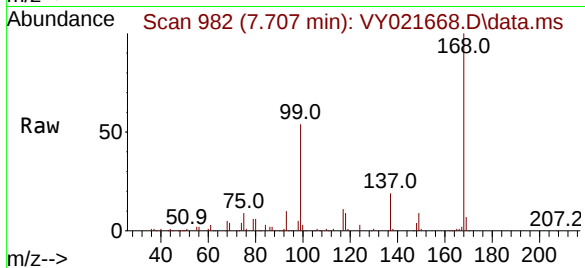




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

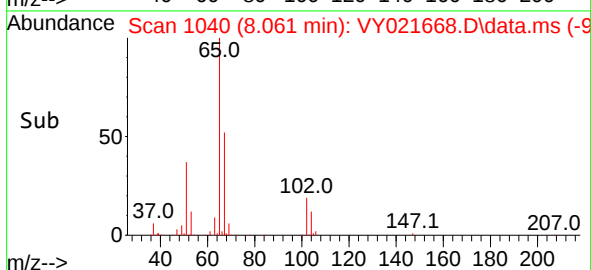
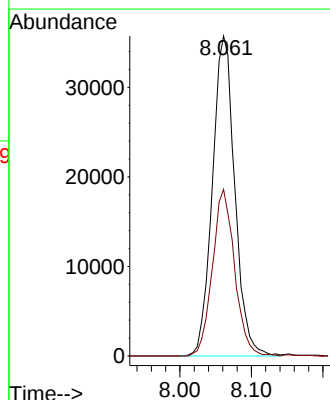
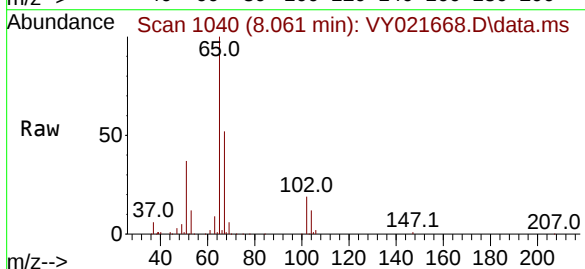
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOCRE

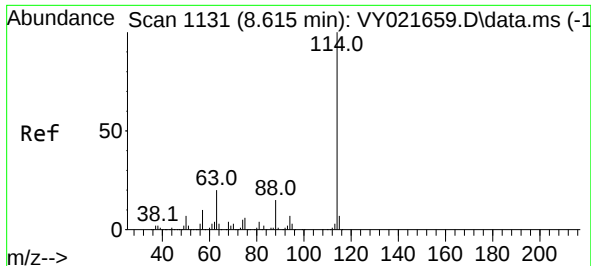
Tgt Ion:168 Resp: 128473
Ion Ratio Lower Upper
168 100
99 53.5 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 55.866 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Tgt Ion: 65 Resp: 77764
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6

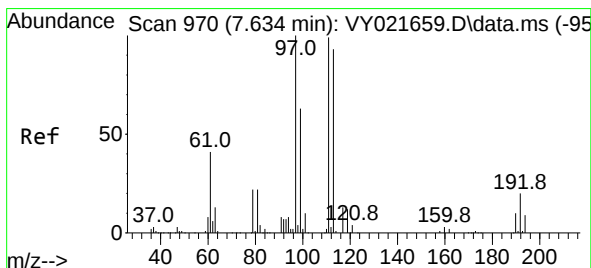
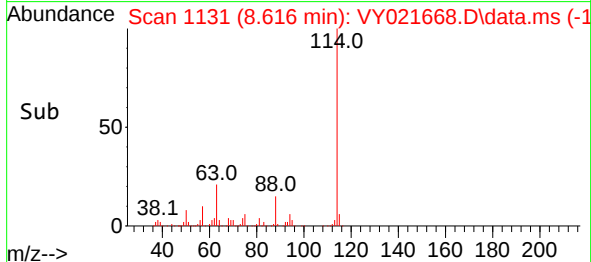
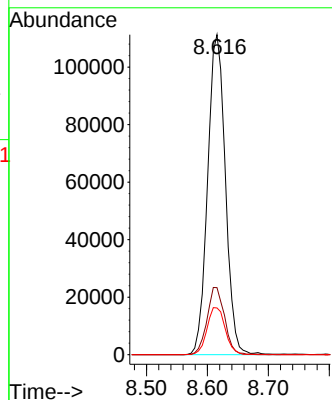
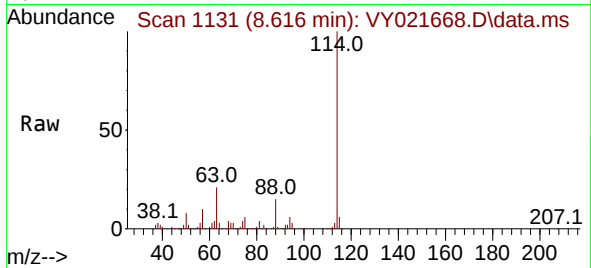




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

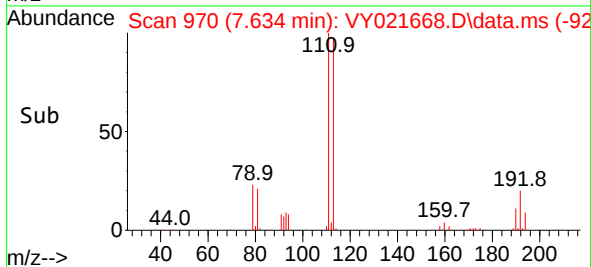
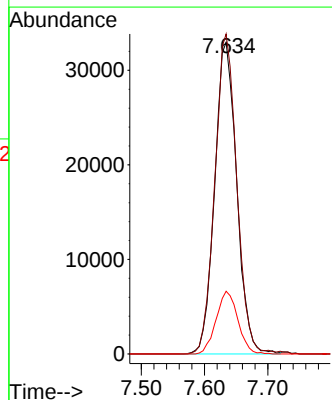
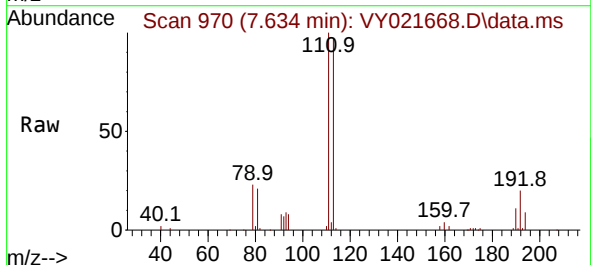
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ClientSampleId :
TP-4-VOCRE

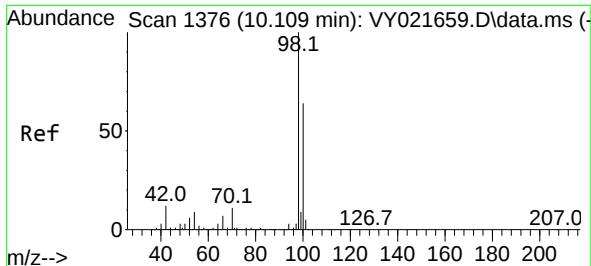
Tgt Ion:114 Resp: 225530
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.2
88 14.6 0.0 29.8



#35
Dibromofluoromethane
Concen: 54.420 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Tgt Ion:113 Resp: 79615
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 19.8 16.2 24.4

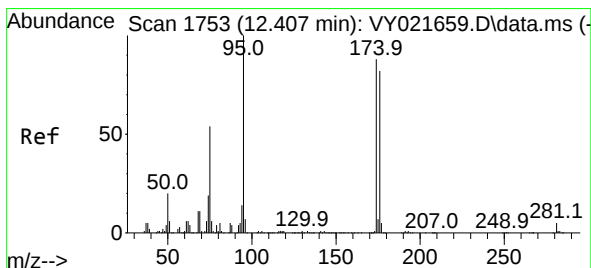
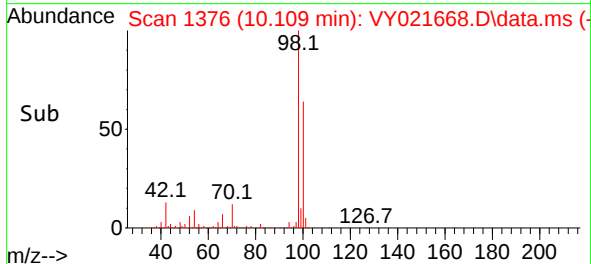
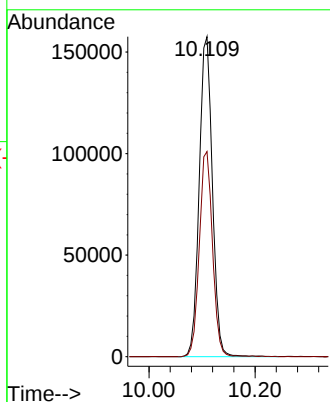
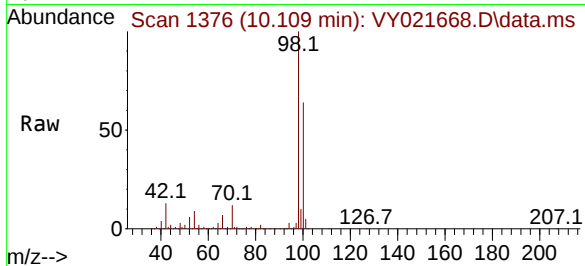




#50
Toluene-d8
Concen: 48.659 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

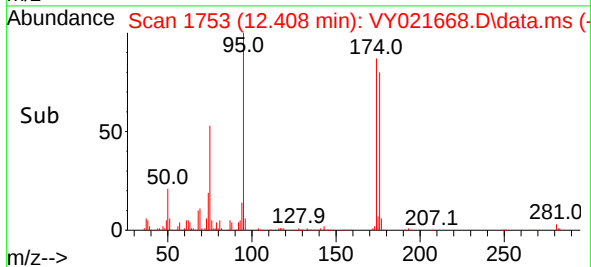
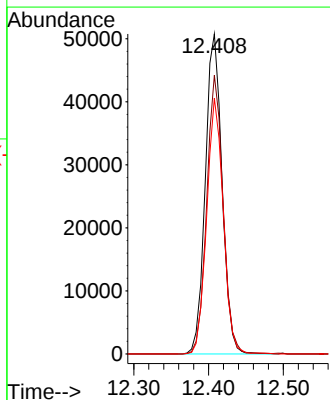
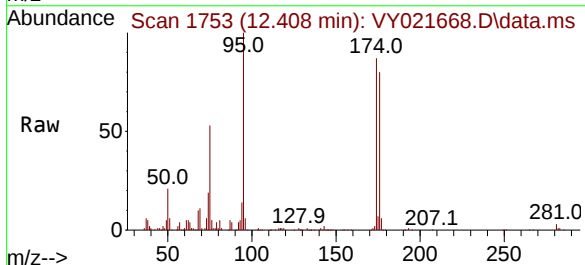
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOCRE

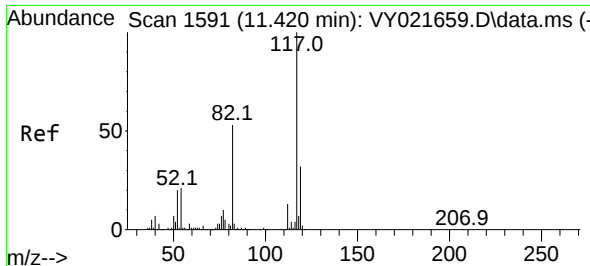
Tgt Ion: 98 Resp: 270818
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 41.871 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Tgt Ion: 95 Resp: 78824
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.8
176 78.9 0.0 162.0

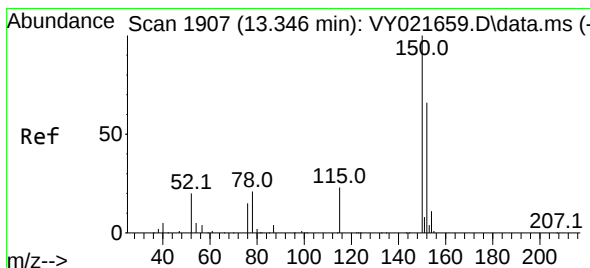
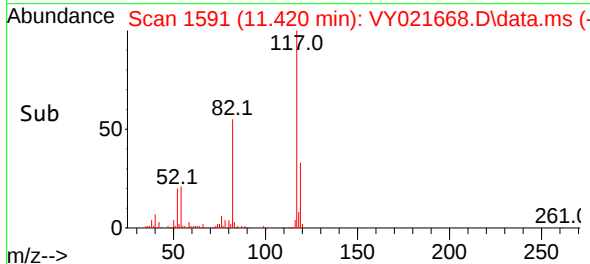
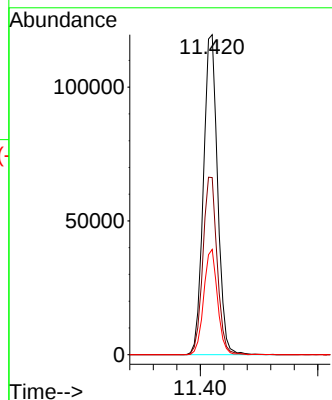
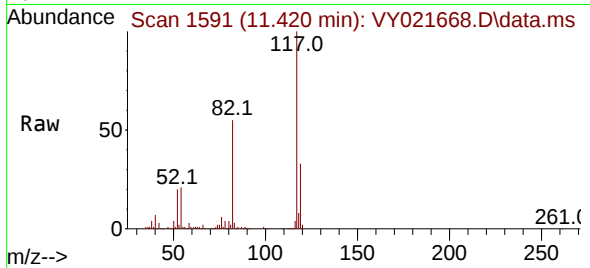




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOCRE

Tgt Ion:117 Resp: 200537
Ion Ratio Lower Upper
117 100
82 55.3 42.8 64.2
119 32.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021668.D
Acq: 27 Mar 2025 15:48

Tgt Ion:152 Resp: 75293
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 155.1 0.0 348.4

