

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022216.D
 Acq On : 12 May 2025 12:02
 Operator : SY/MD
 Sample : Q1983-14
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-03

Quant Time: May 13 02:18:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	142531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	248448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	213483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	82030	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	80587	61.212	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.420%
35) Dibromofluoromethane	7.634	113	93645	57.053	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.100%
50) Toluene-d8	10.109	98	304121	49.147	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.300%
62) 4-Bromofluorobenzene	12.408	95	75859	36.416	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.840%

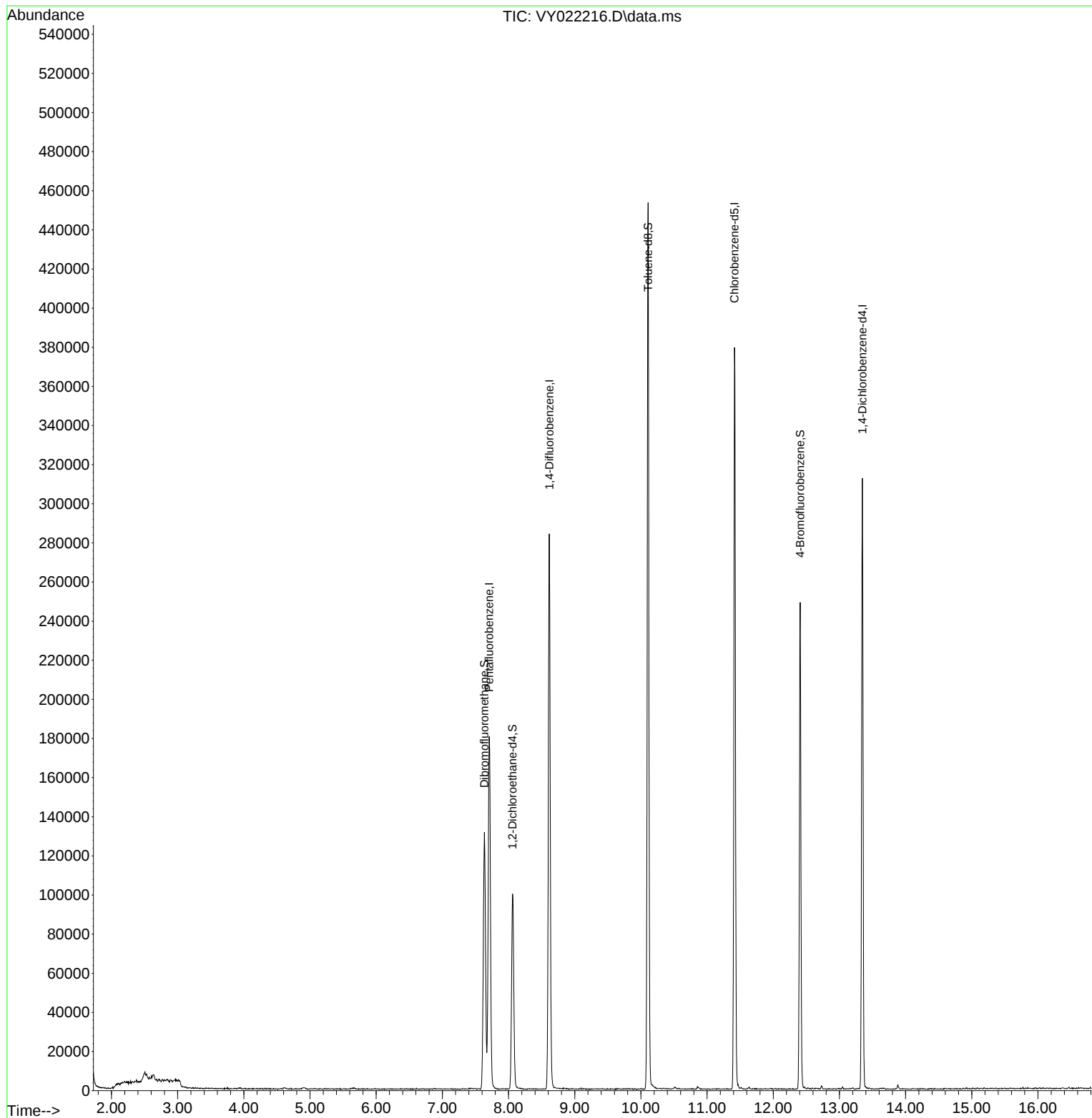
Target Compounds	Qvalue

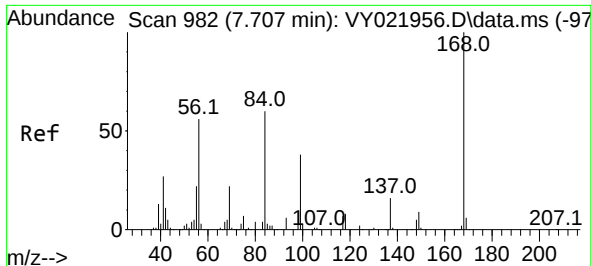
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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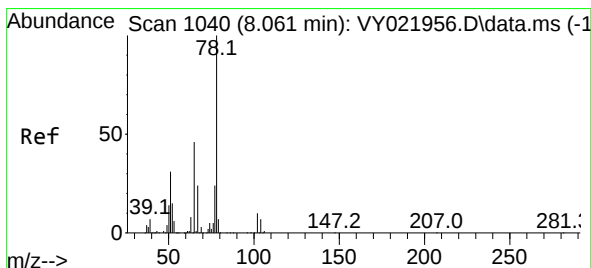
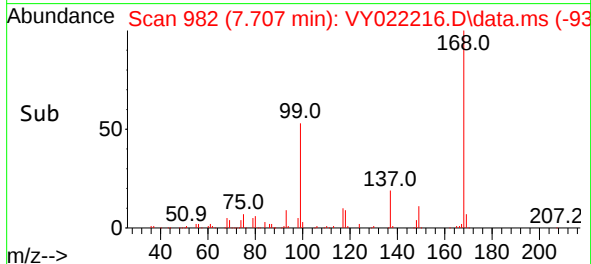
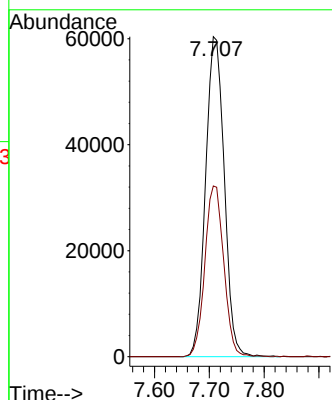
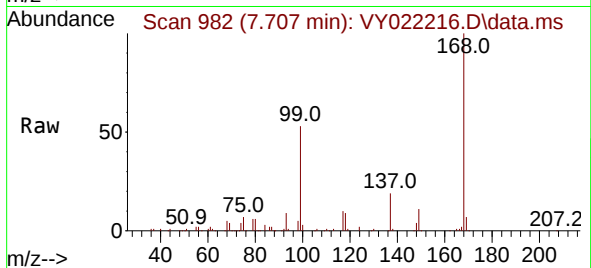




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

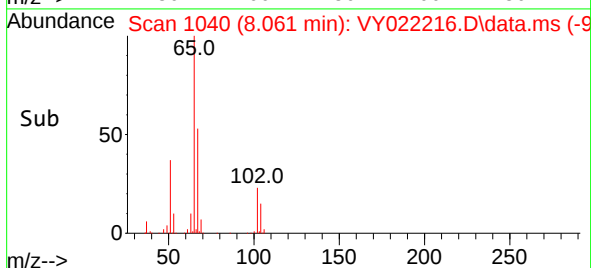
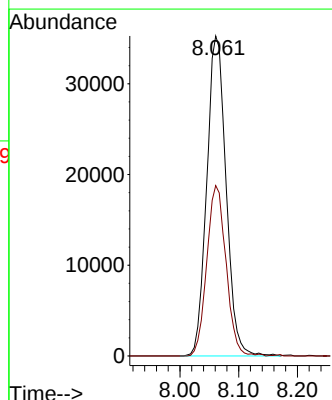
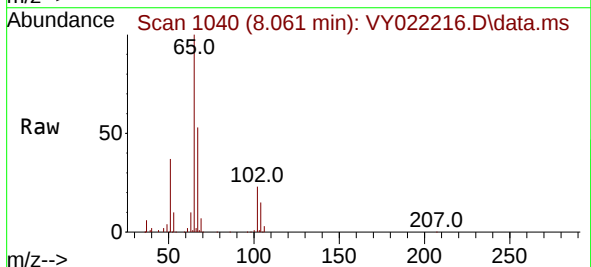
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-03

Tgt Ion:168 Resp: 142531
Ion Ratio Lower Upper
168 100
99 53.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 61.212 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

Tgt Ion: 65 Resp: 80587
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

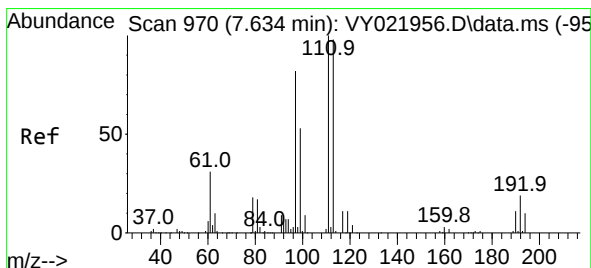
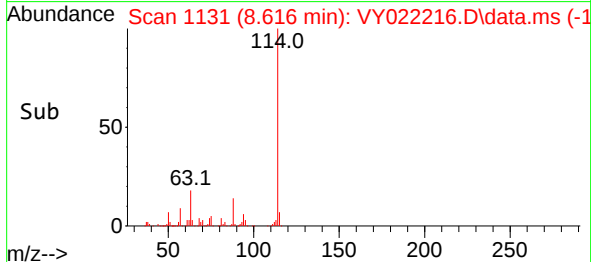
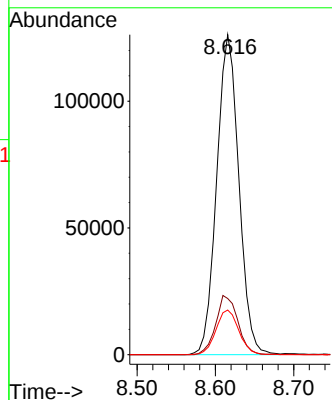
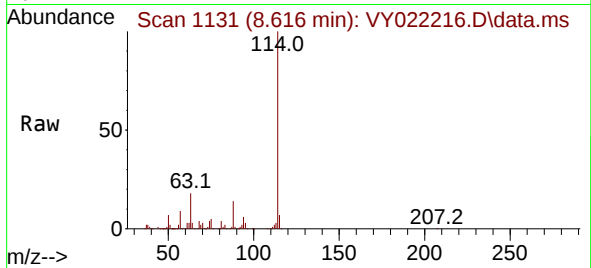




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

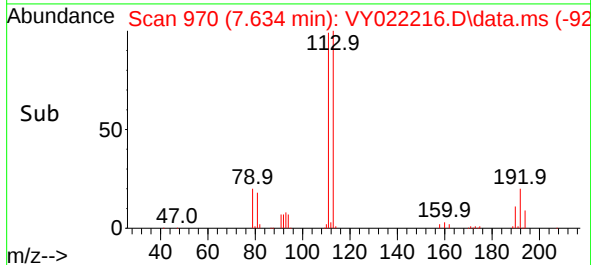
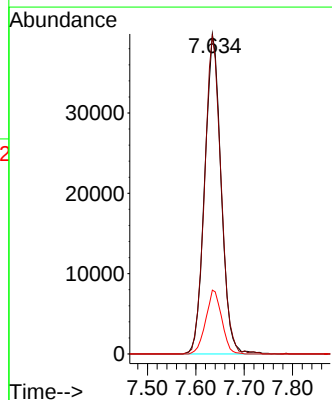
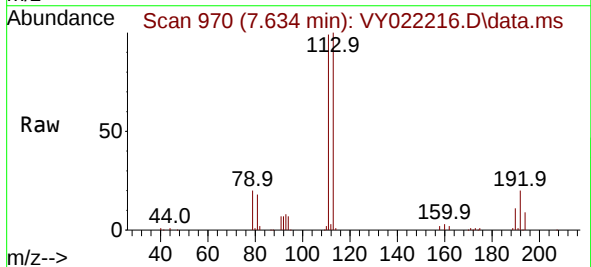
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-03

Tgt Ion:114 Resp: 248448
Ion Ratio Lower Upper
114 100
63 17.6 0.0 35.4
88 14.0 0.0 28.2



#35
Dibromofluoromethane
Concen: 57.053 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

Tgt Ion:113 Resp: 93645
Ion Ratio Lower Upper
113 100
111 100.0 81.8 122.8
192 19.4 15.6 23.4

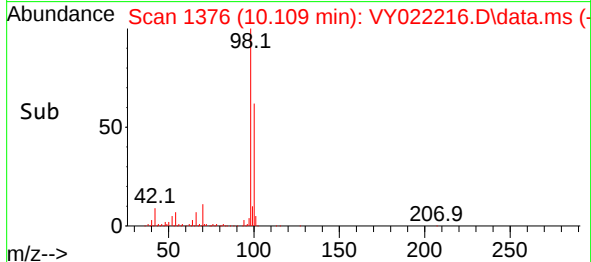
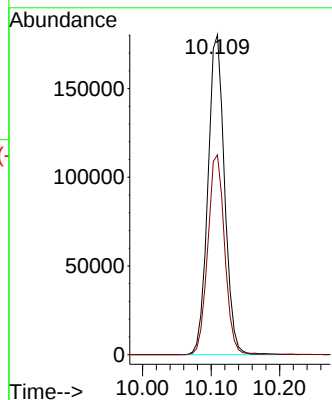
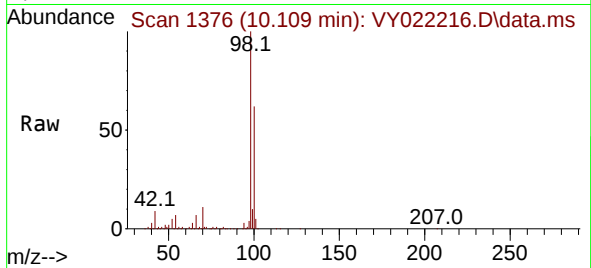




#50
Toluene-d8
Concen: 49.147 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

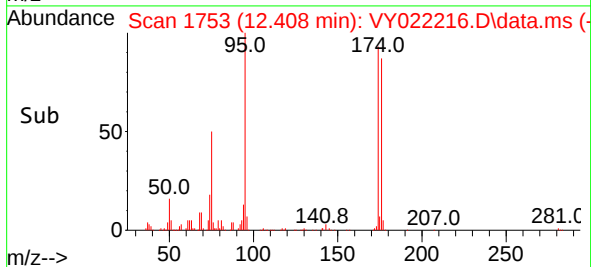
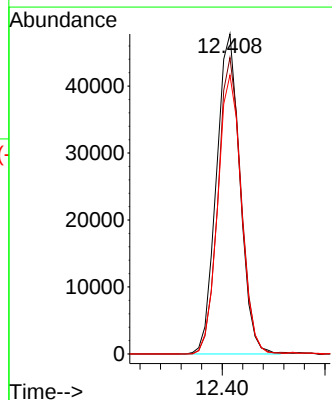
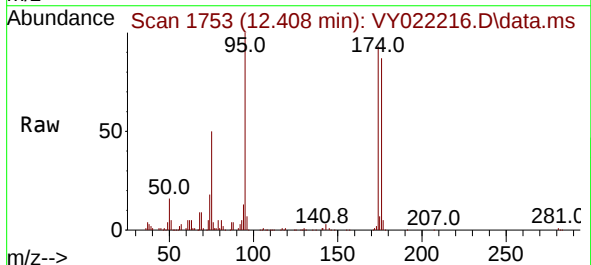
Instrument :
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ClientSampleId :
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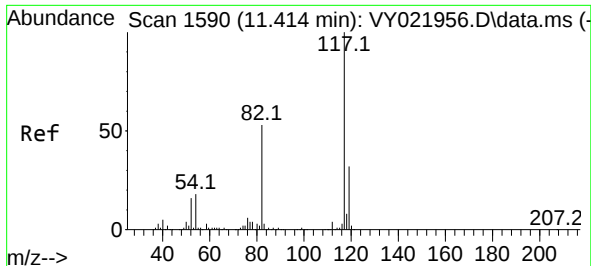
Tgt Ion: 98 Resp: 304121
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 36.416 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

Tgt Ion: 95 Resp: 75859
Ion Ratio Lower Upper
95 100
174 91.0 0.0 179.0
176 87.5 0.0 171.8

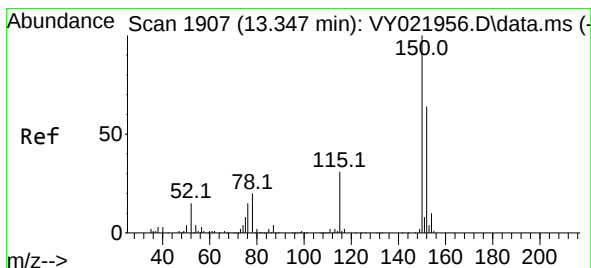
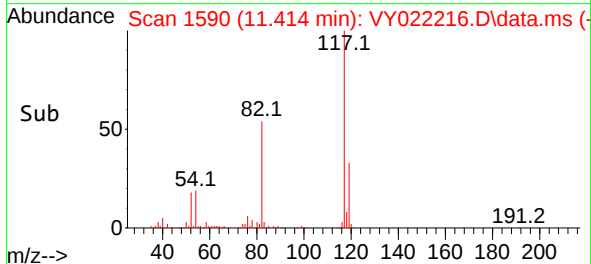
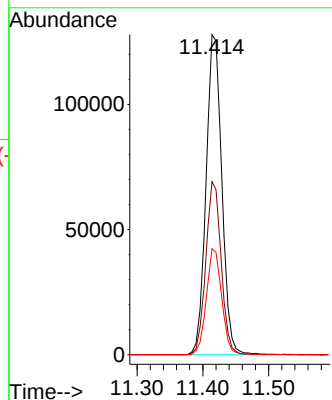
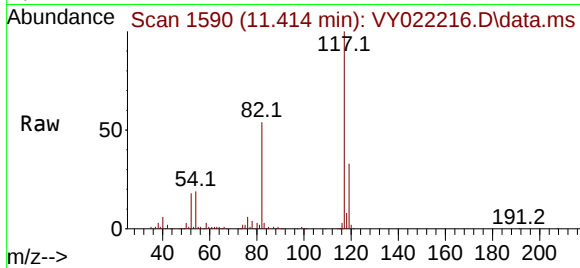




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-03

Tgt Ion:117 Resp: 213483
Ion Ratio Lower Upper
117 100
82 54.1 42.1 63.1
119 33.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022216.D
Acq: 12 May 2025 12:02

Tgt Ion:152 Resp: 82030
Ion Ratio Lower Upper
152 100
115 56.1 28.0 84.0
150 155.7 0.0 345.6

