

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022582.D
 Acq On : 05 Jun 2025 18:17
 Operator : SY/MD
 Sample : Q2226-02
 Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP06-MHI-VOC

Quant Time: Jun 06 01:28:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	599574	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	1107385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	936810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	363557	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	351627	52.435	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.880%
35) Dibromofluoromethane	7.628	113	335547	50.765	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.540%
50) Toluene-d8	10.103	98	1383369	51.797	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.600%
62) 4-Bromofluorobenzene	12.402	95	363255	45.649	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.300%

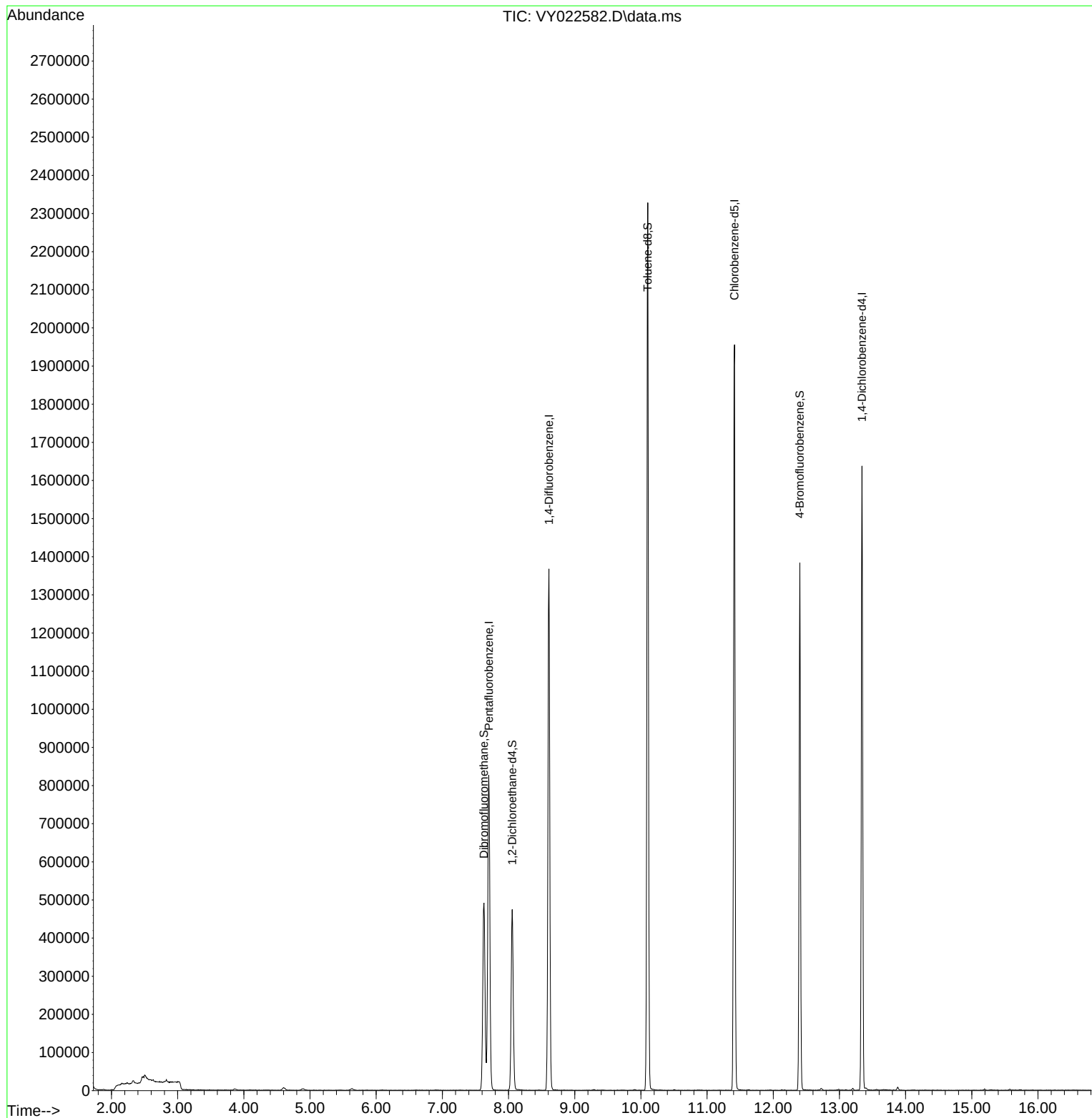
Target Compounds	Qvalue

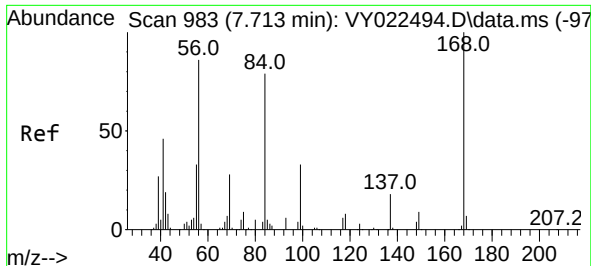
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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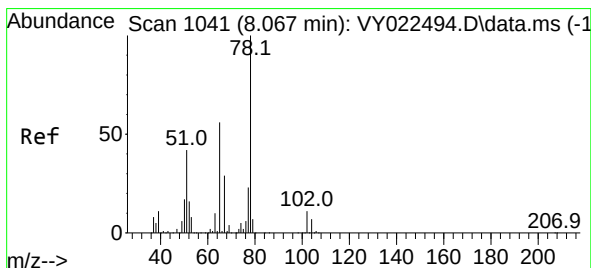
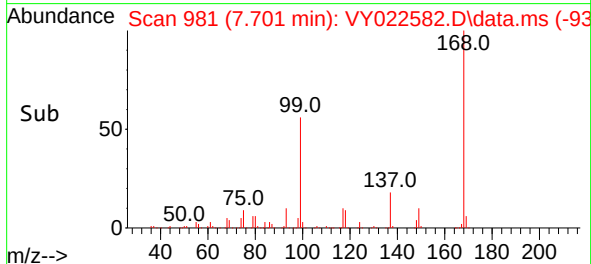
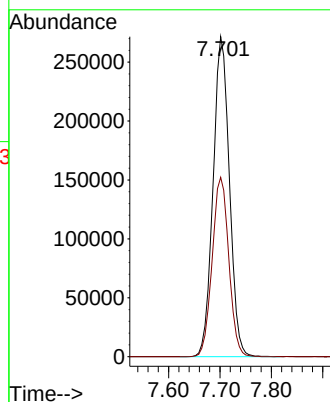
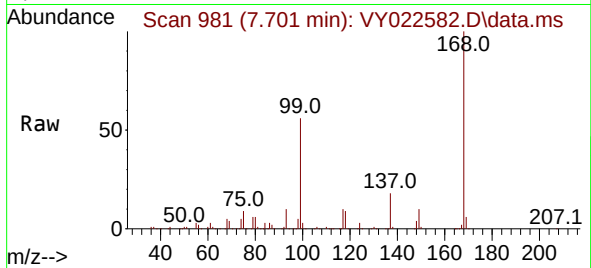




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022582.D
Acq: 05 Jun 2025 18:17

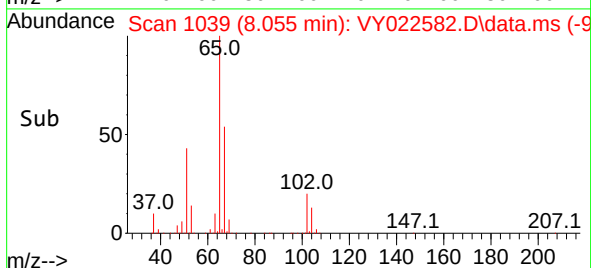
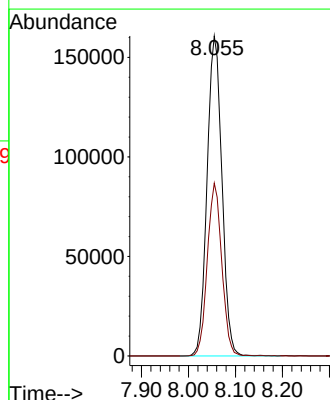
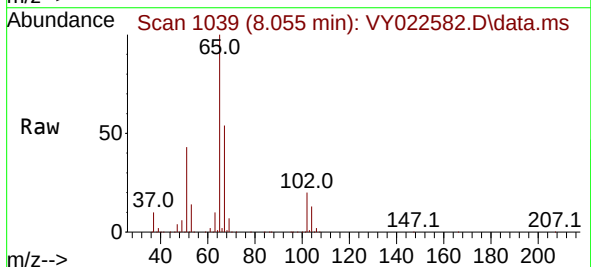
Instrument :
MSVOA_Y
ClientSampleId :
TP06-MHI-VOC

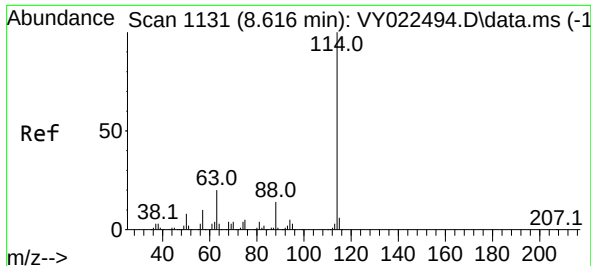
Tgt Ion:168 Resp: 599574
Ion Ratio Lower Upper
168 100
99 56.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 52.435 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022582.D
Acq: 05 Jun 2025 18:17

Tgt Ion: 65 Resp: 351627
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4

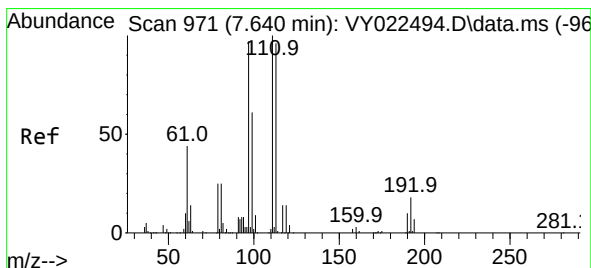
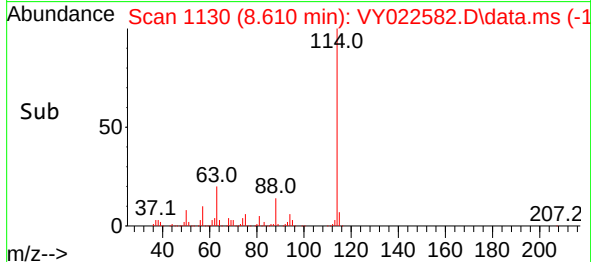
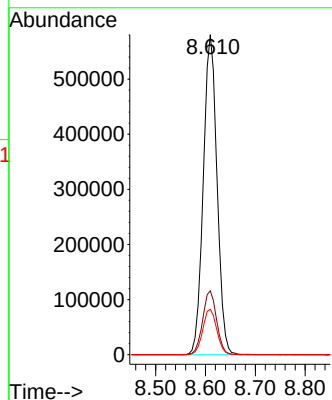
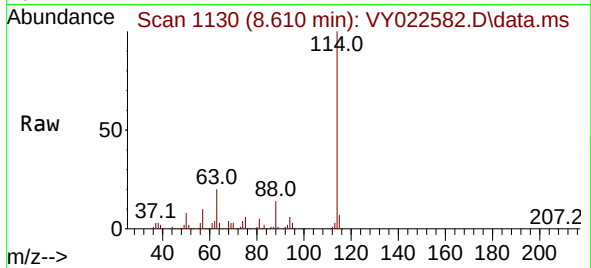




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022582.D
Acq: 05 Jun 2025 18:17

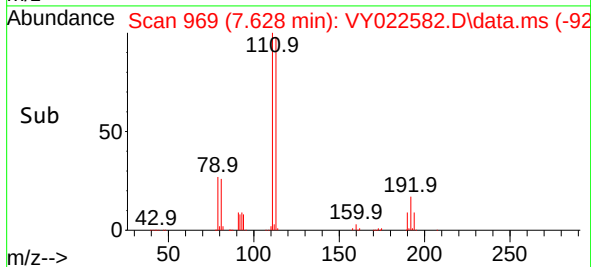
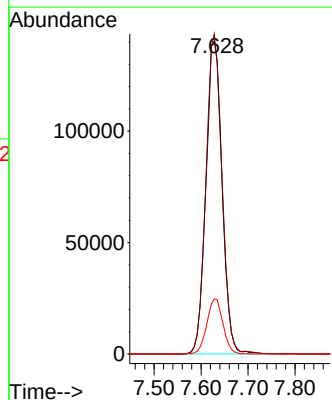
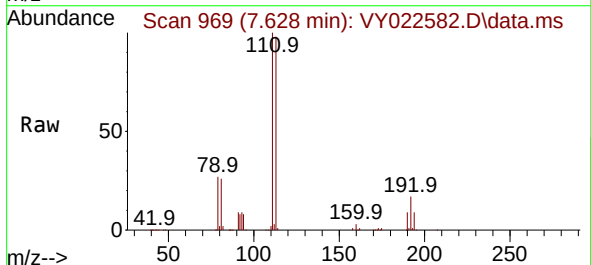
Instrument :
MSVOA_Y
ClientSampleId :
TP06-MHI-VOC

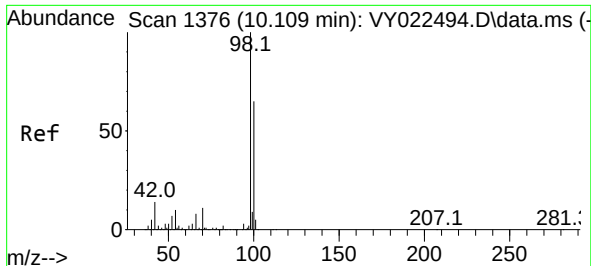
Tgt Ion:114 Resp: 1107385
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 14.2 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.765 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022582.D
Acq: 05 Jun 2025 18:17

Tgt Ion:113 Resp: 335547
Ion Ratio Lower Upper
113 100
111 101.3 81.1 121.7
192 17.5 14.2 21.2

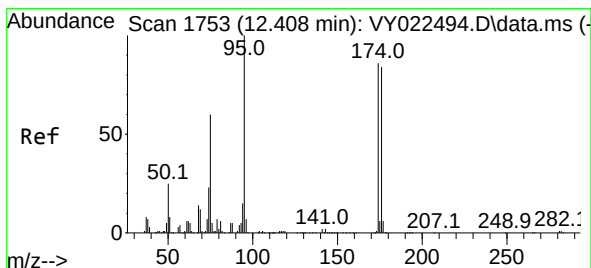
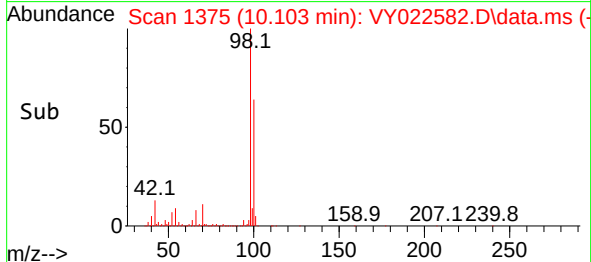
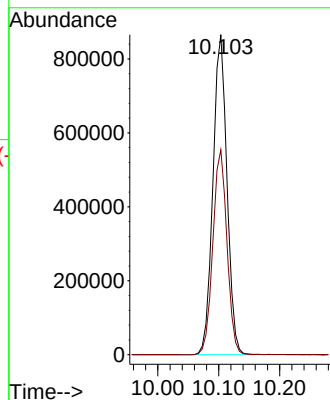
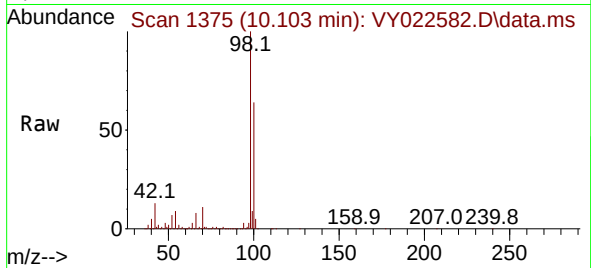




#50
Toluene-d8
Concen: 51.797 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022582.D
Acq: 05 Jun 2025 18:17

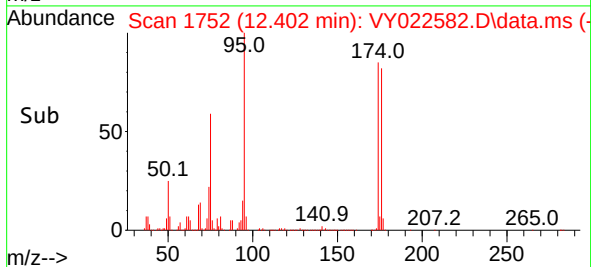
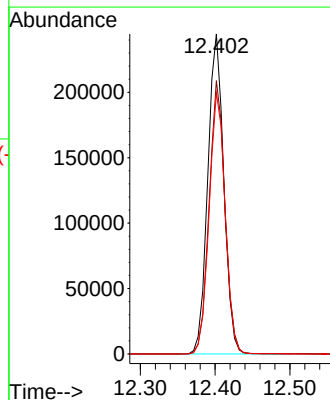
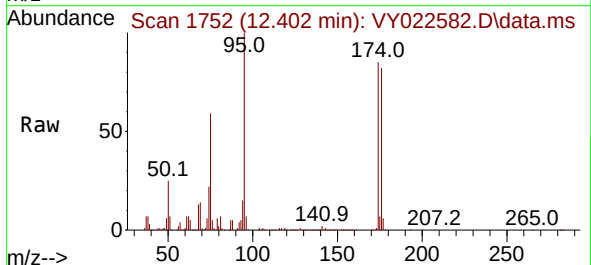
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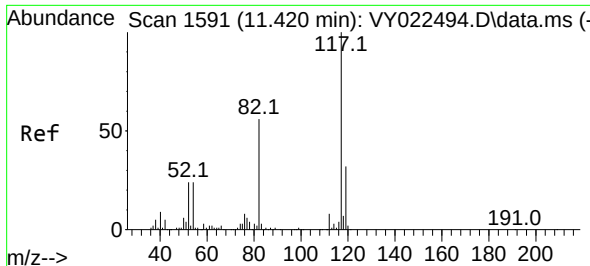
Tgt Ion: 98 Resp: 1383369
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.649 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022582.D
Acq: 05 Jun 2025 18:17

Tgt Ion: 95 Resp: 363255
Ion Ratio Lower Upper
95 100
174 84.6 0.0 170.0
176 81.7 0.0 166.2

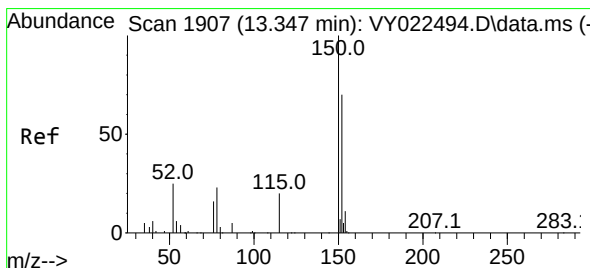
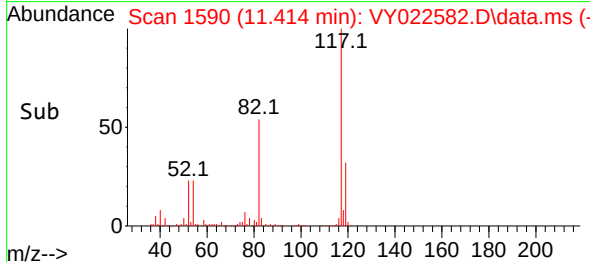
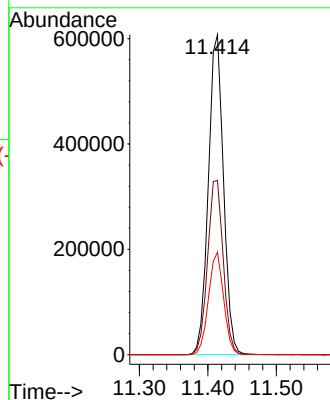
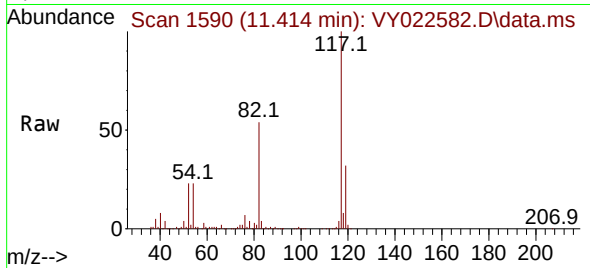




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022582.D
Acq: 05 Jun 2025 18:17

Instrument :
MSVOA_Y
ClientSampleId :
TP06-MHI-VOC

Tgt Ion:117 Resp: 936810
Ion Ratio Lower Upper
117 100
82 54.5 44.6 66.8
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.341 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022582.D
Acq: 05 Jun 2025 18:17

Tgt Ion:152 Resp: 363557
Ion Ratio Lower Upper
152 100
115 58.4 28.9 86.7
150 157.4 0.0 349.6

