

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023075.D
 Acq On : 13 Aug 2025 17:17
 Operator : SY/MD
 Sample : Q2819-13
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 17M-E

Quant Time: Aug 14 01:27:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	658128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1324720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	1172539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	487544	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	392233	62.533	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.060%
35) Dibromofluoromethane	7.628	113	422956	53.358	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.720%
50) Toluene-d8	10.103	98	1608522	51.944	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.880%
62) 4-Bromofluorobenzene	12.401	95	489471	49.150	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.300%

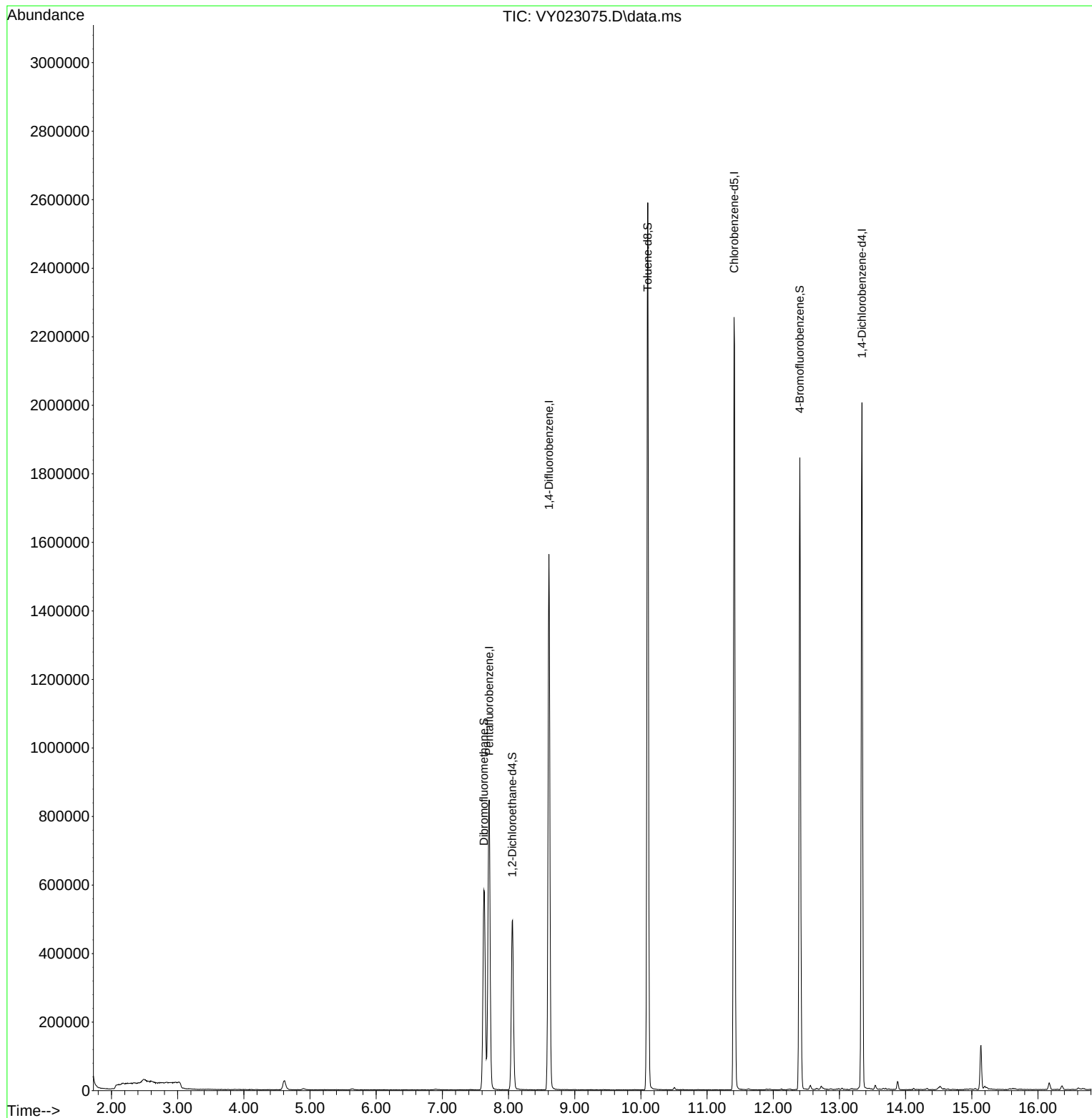
Target Compounds	Qvalue

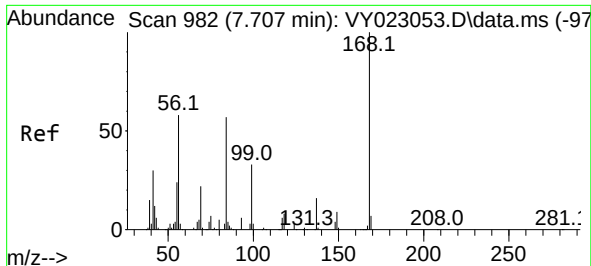
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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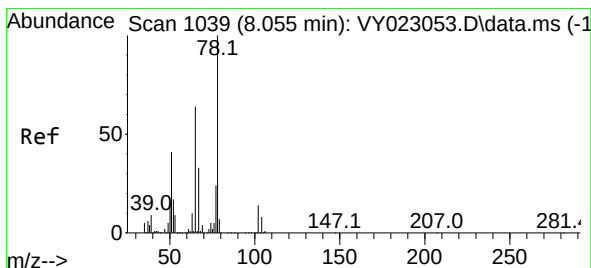
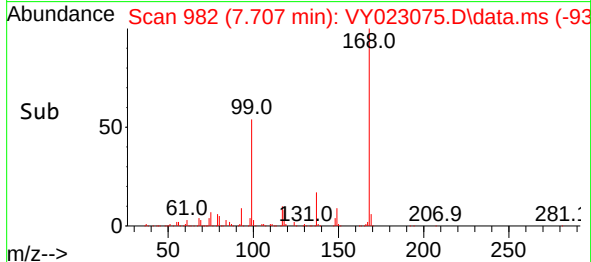
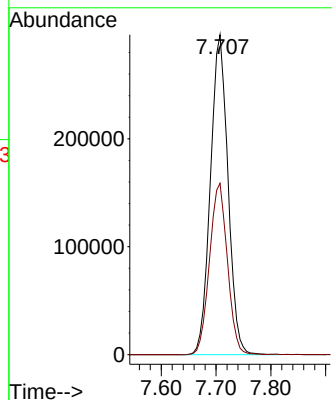
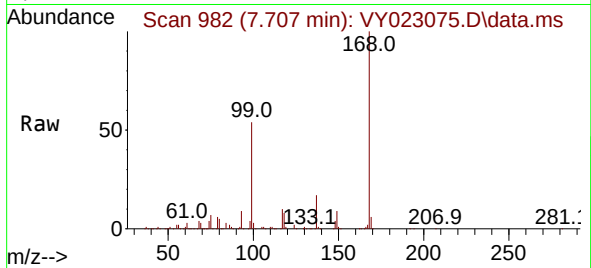




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

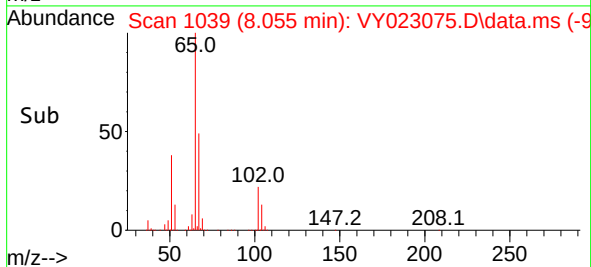
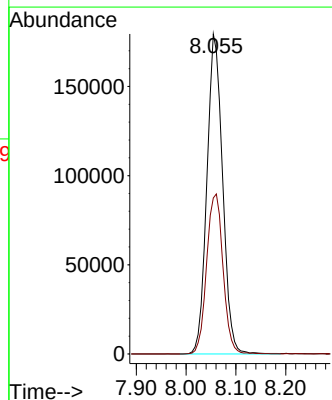
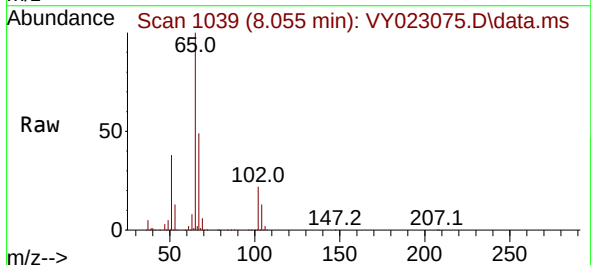
Instrument :
MSVOA_Y
ClientSampleId :
17M-E

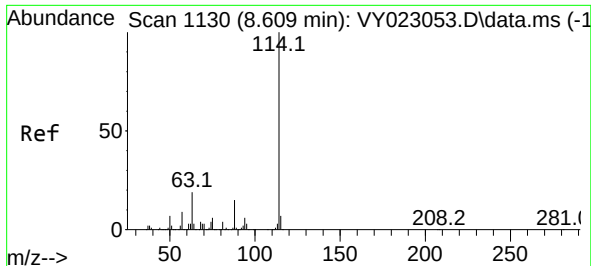
Tgt Ion:168 Resp: 658128
Ion Ratio Lower Upper
168 100
99 53.5 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 62.533 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

Tgt Ion: 65 Resp: 392233
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8

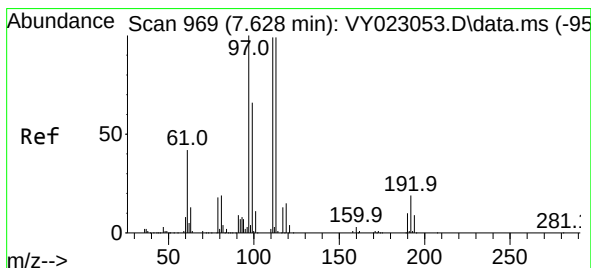
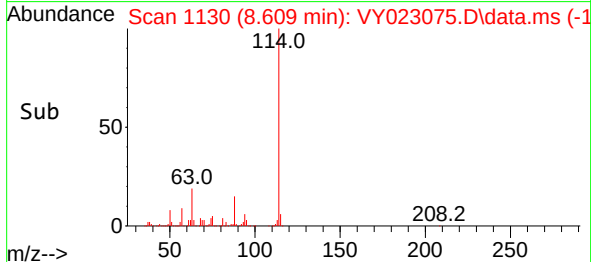
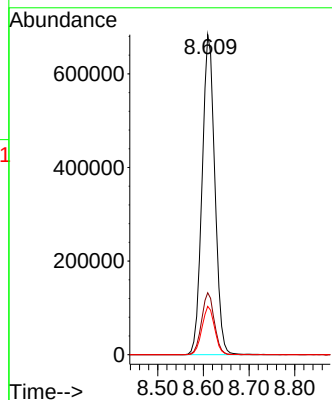
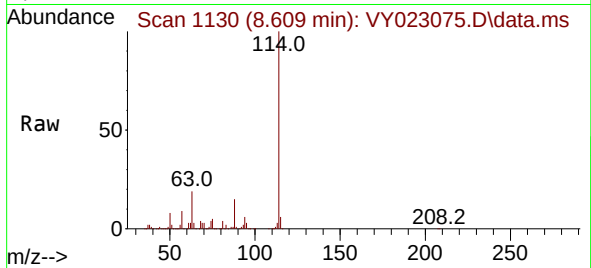




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

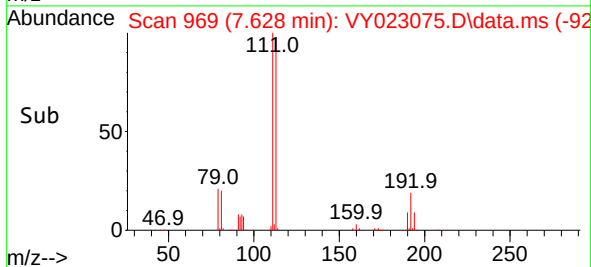
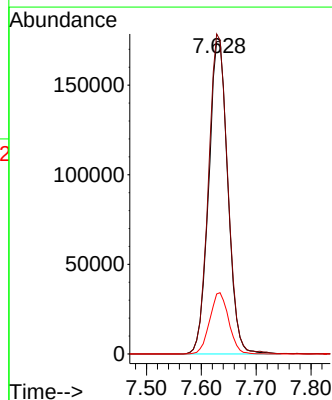
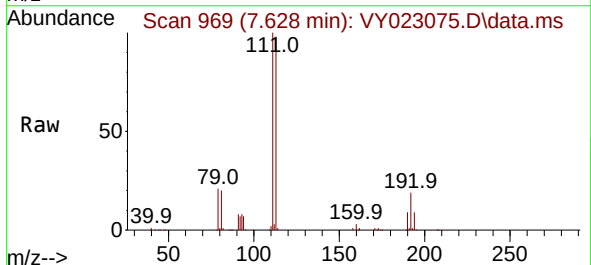
Instrument :
MSVOA_Y
ClientSampleId :
17M-E

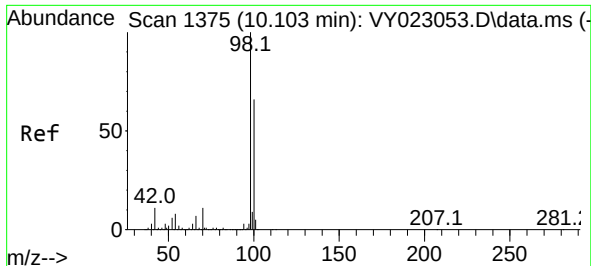
Tgt Ion:114 Resp: 1324720
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.4
88 15.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.358 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

Tgt Ion:113 Resp: 422956
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 19.4 16.2 24.4

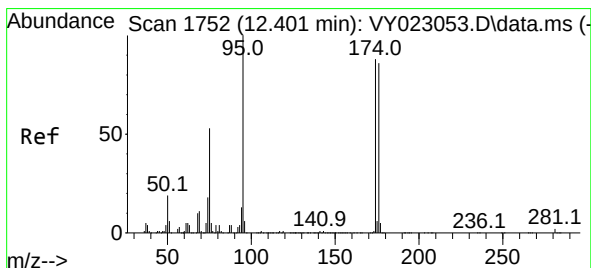
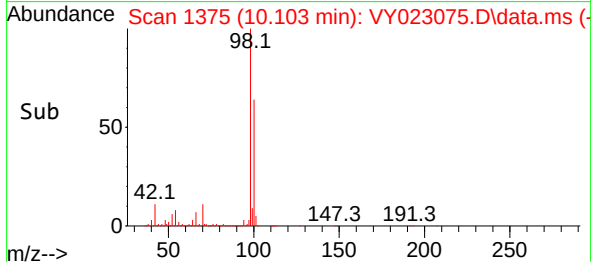
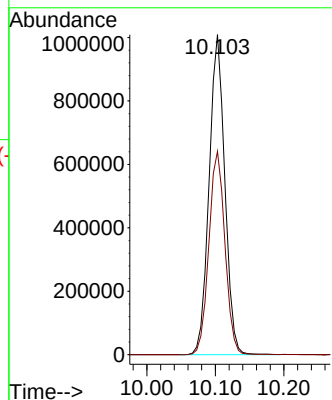
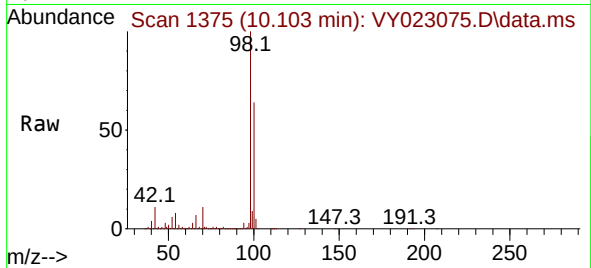




#50
Toluene-d8
Concen: 51.944 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

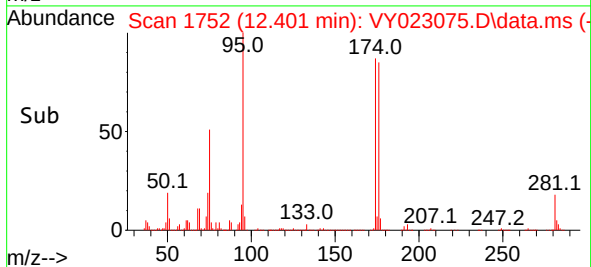
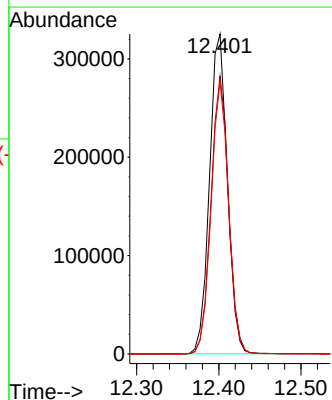
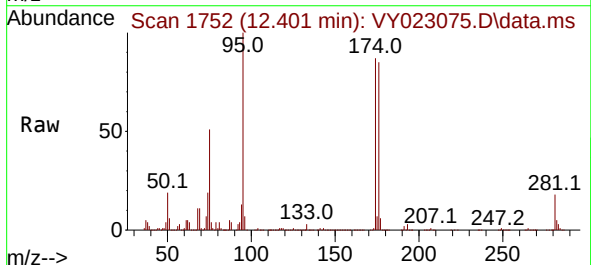
Instrument :
MSVOA_Y
ClientSampleId :
17M-E

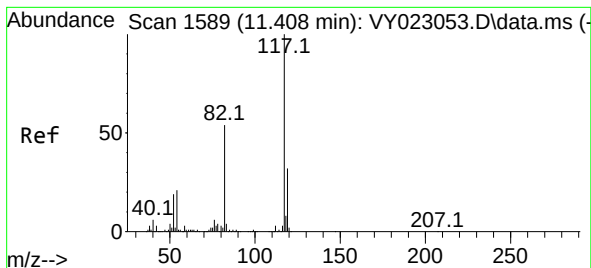
Tgt Ion: 98 Resp: 1608522
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.150 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023075.D
Acq: 13 Aug 2025 17:17

Tgt Ion: 95 Resp: 489471
Ion Ratio Lower Upper
95 100
174 86.2 0.0 171.6
176 83.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.408 min Scan# 1172539

Delta R.T. 0.000 min

Lab File: VY023075.D

Acq: 13 Aug 2025 17:17

Instrument :

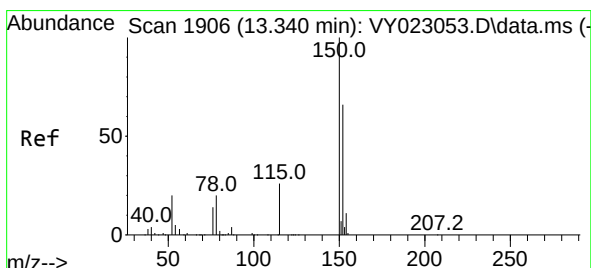
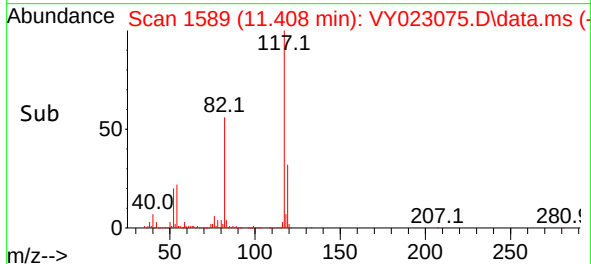
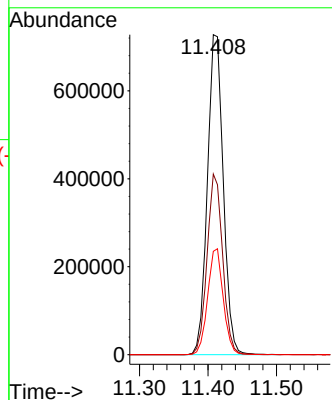
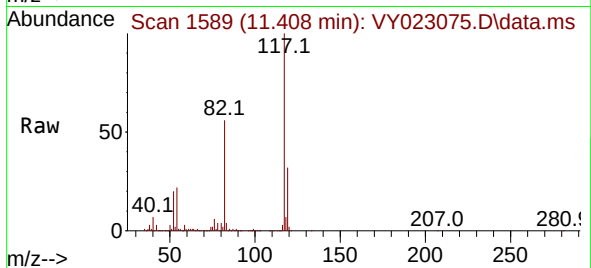
MSVOA_Y

ClientSampleId :

17M-E

Tgt Ion:117 Resp: 1172539

Ion	Ratio	Lower	Upper
117	100		
82	56.5	43.4	65.0
119	32.3	25.6	38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023075.D

Acq: 13 Aug 2025 17:17

Tgt Ion:152 Resp: 487544

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.2	84.6
150	158.5	0.0	348.0

