

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023978.D
 Acq On : 15 Dec 2025 15:55
 Operator : SY/MD
 Sample : Q3873-03
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: Dec 16 02:17:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

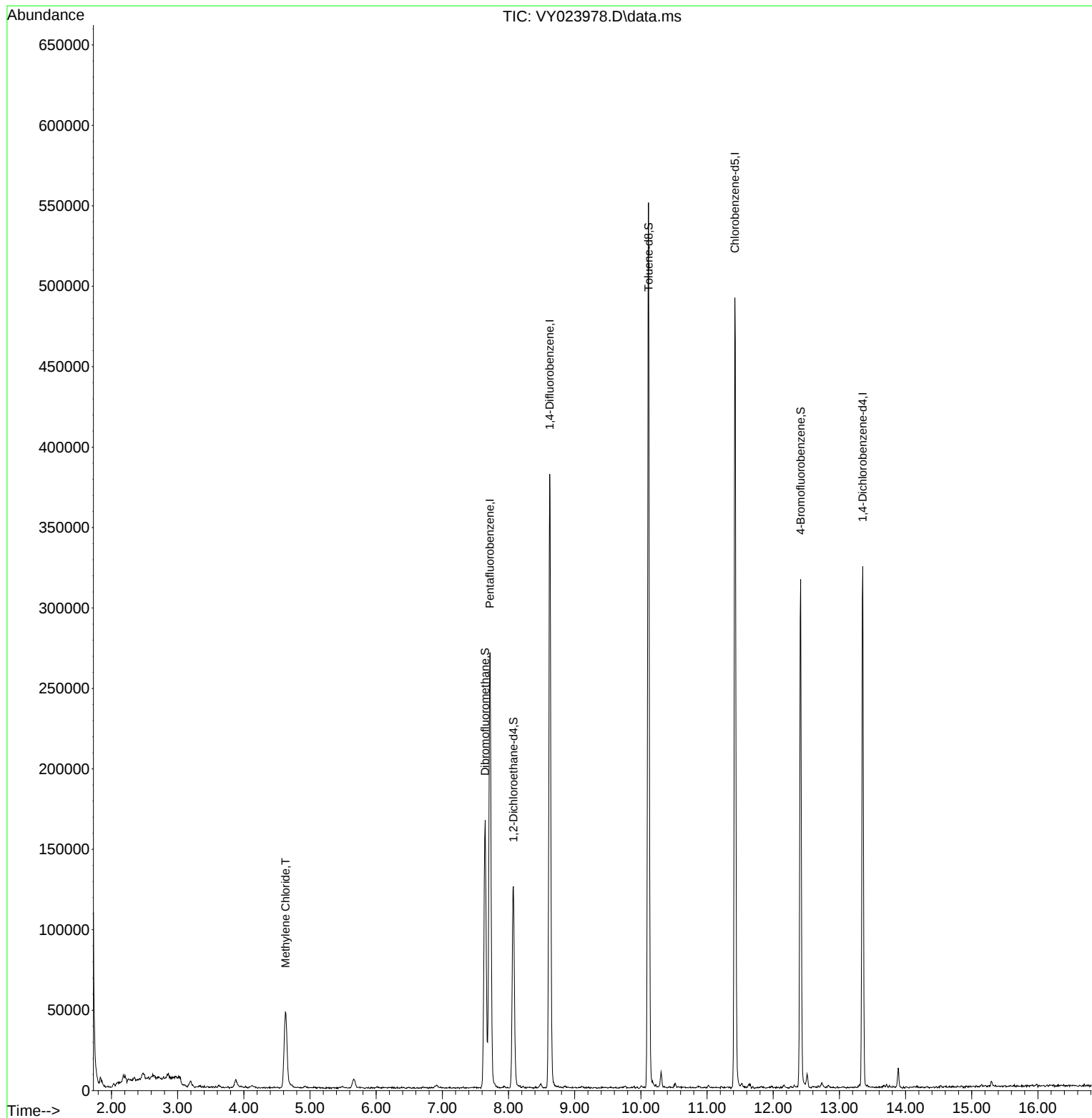
Internal Standards						
1) Pentafluorobenzene	7.720	168	227774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	351128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	279931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	90573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	104152	51.718	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.440%	
35) Dibromofluoromethane	7.646	113	118077	51.444	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.880%	
50) Toluene-d8	10.115	98	379595	44.420	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.840%	
62) 4-Bromofluorobenzene	12.414	95	93805	32.870	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.740%	
Target Compounds						
20) Methylene Chloride	4.629	84	38649	16.313	ug/l	Qvalue 97

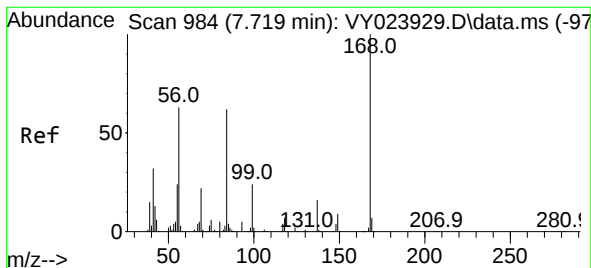
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
Data File : VY023978.D
Acq On : 15 Dec 2025 15:55
Operator : SY/MD
Sample : Q3873-03
Misc : 5.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Quant Time: Dec 16 02:17:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 11 03:57:51 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.720 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY023978.D

Acq: 15 Dec 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

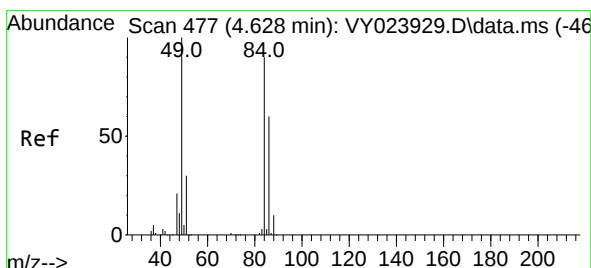
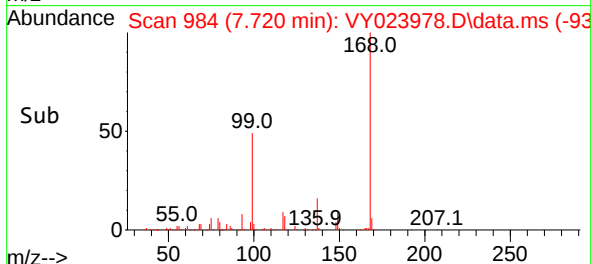
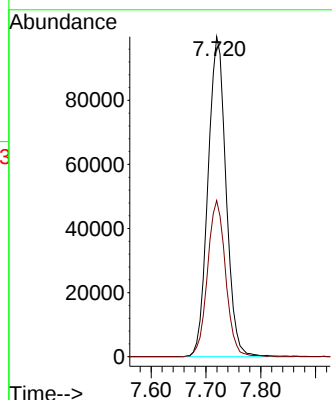
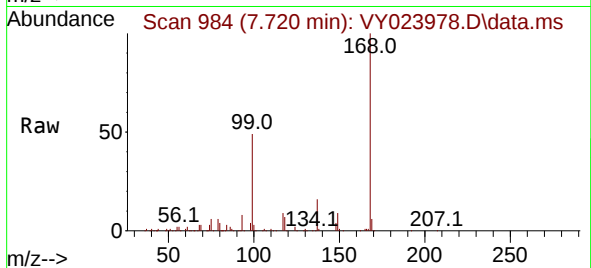
COMP-2

Tgt Ion:168 Resp: 227774

Ion Ratio Lower Upper

168 100

99 48.8 38.9 58.3



#20

Methylene Chloride

Concen: 16.313 ug/l

RT: 4.629 min Scan# 477

Delta R.T. 0.000 min

Lab File: VY023978.D

Acq: 15 Dec 2025 15:55

Tgt Ion: 84 Resp: 38649

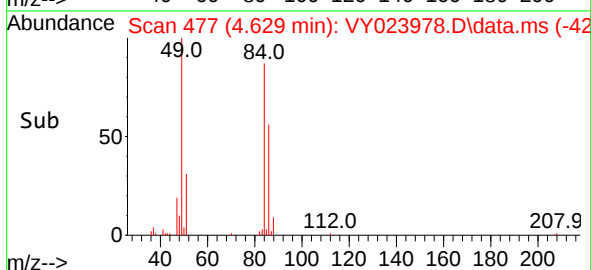
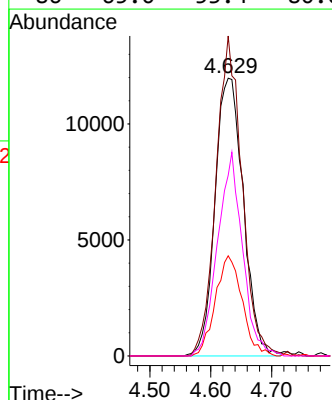
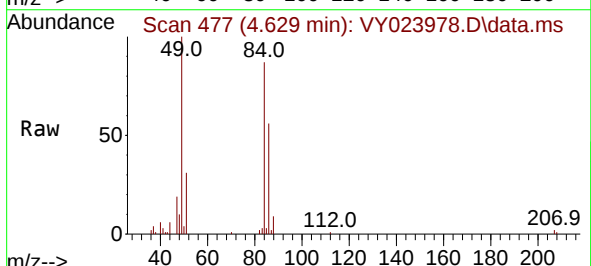
Ion Ratio Lower Upper

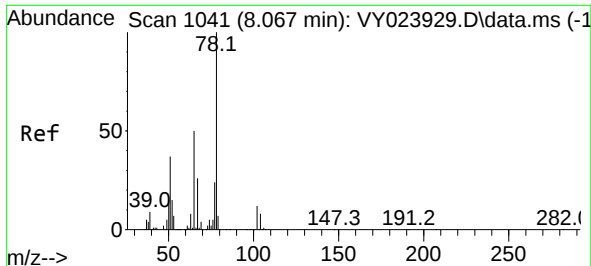
84 100

49 115.2 89.1 133.7

51 36.1 26.6 39.8

86 65.0 53.4 80.0





#33

1,2-Dichloroethane-d4

Concen: 51.718 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023978.D

Acq: 15 Dec 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

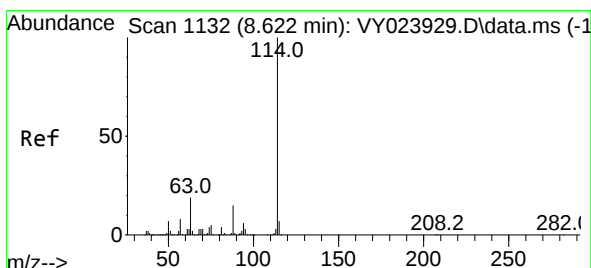
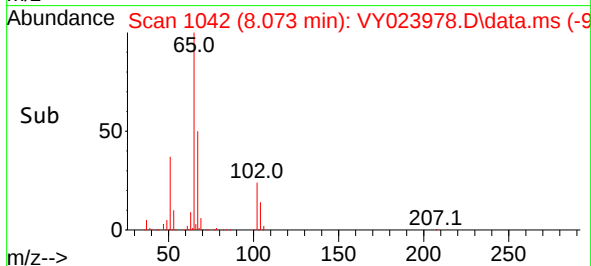
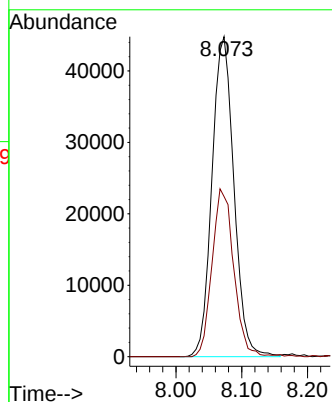
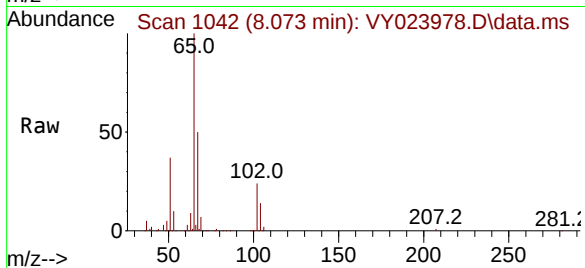
COMP-2

Tgt Ion: 65 Resp: 104152

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VY023978.D

Acq: 15 Dec 2025 15:55

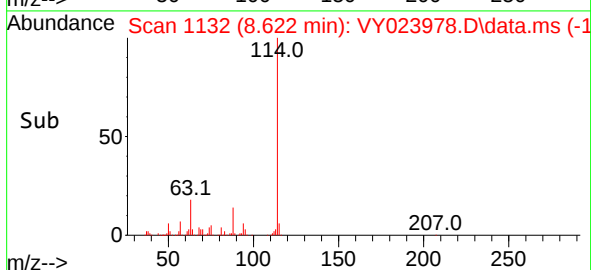
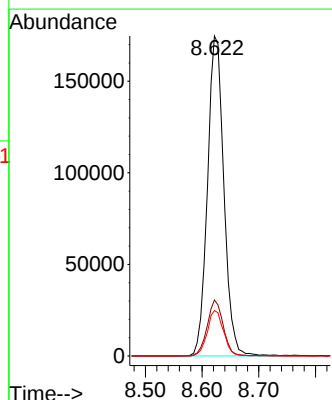
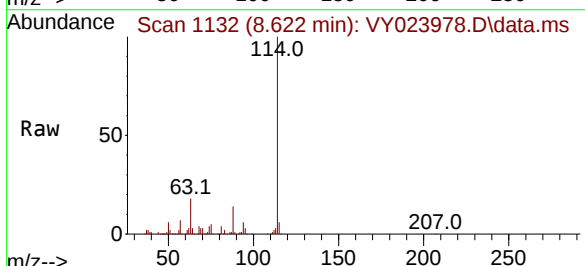
Tgt Ion:114 Resp: 351128

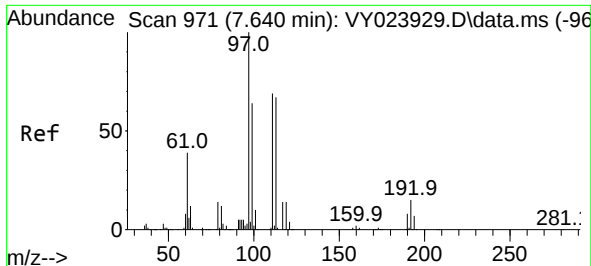
Ion Ratio Lower Upper

114 100

63 17.5 0.0 37.2

88 14.2 0.0 29.4

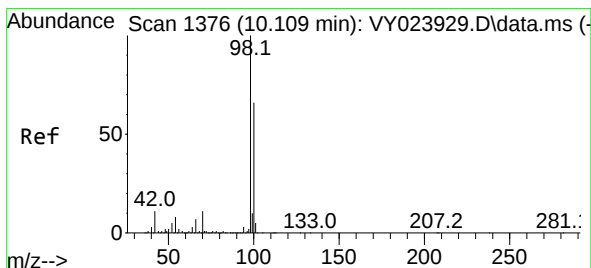
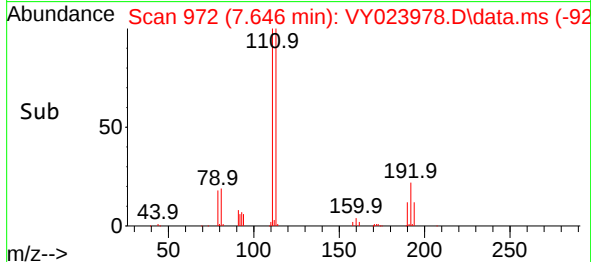
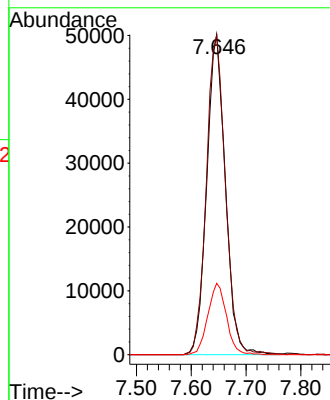
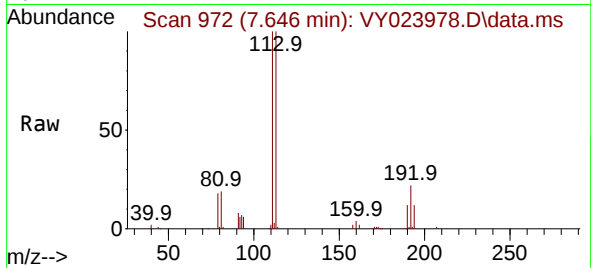




#35
Dibromofluoromethane
Concen: 51.444 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

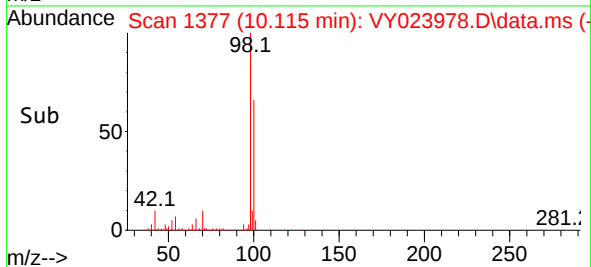
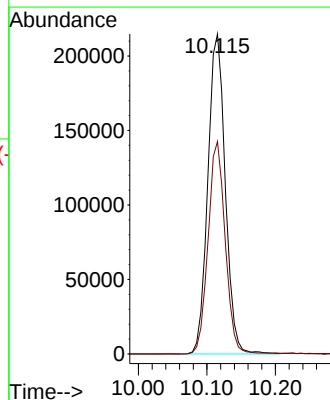
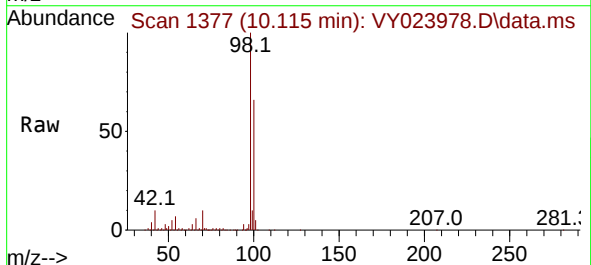
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

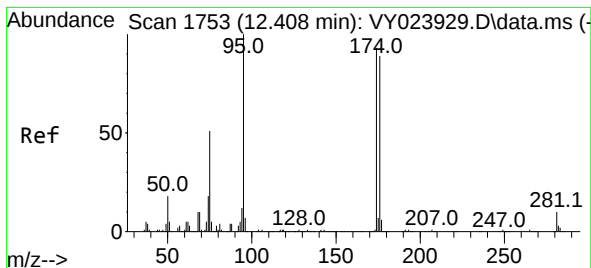
Tgt Ion:113 Resp: 118077
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 22.3 17.9 26.9



#50
Toluene-d8
Concen: 44.420 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

Tgt Ion: 98 Resp: 379595
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2

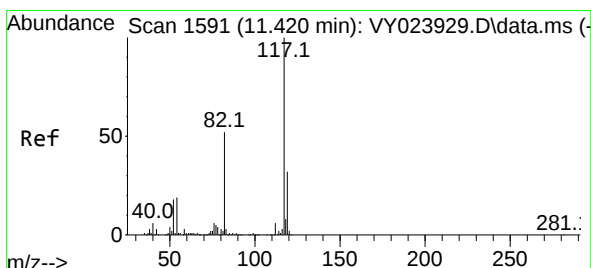
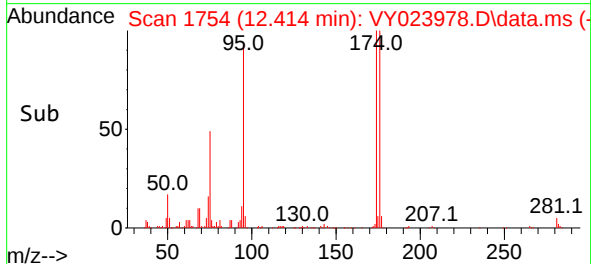
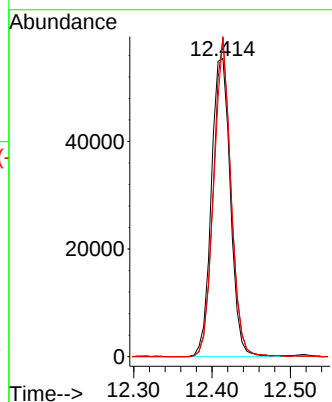
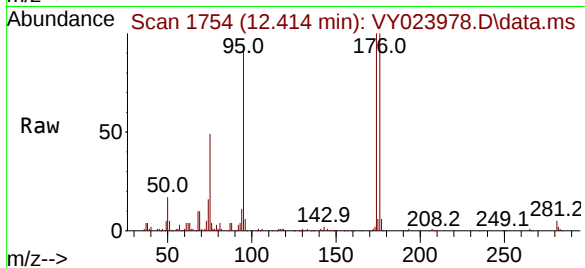




#62
4-Bromofluorobenzene
Concen: 32.870 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

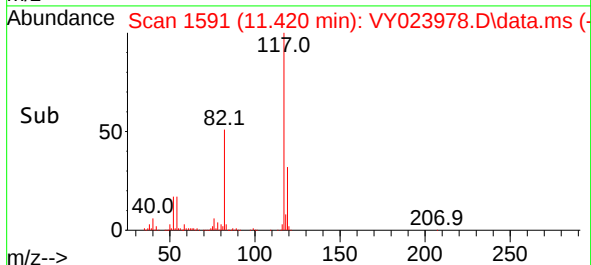
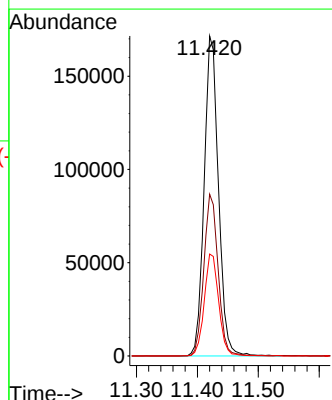
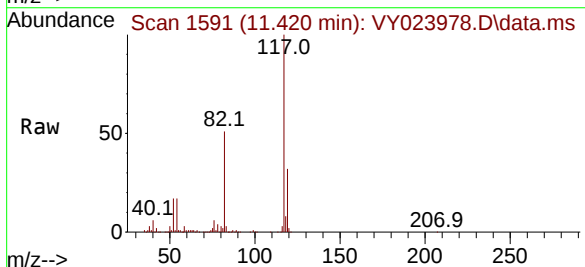
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

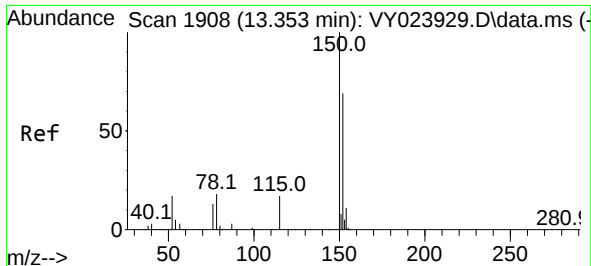
Tgt Ion: 95 Resp: 93805
Ion Ratio Lower Upper
95 100
174 97.8 0.0 187.4
176 95.8 0.0 179.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY023978.D
Acq: 15 Dec 2025 15:55

Tgt Ion: 117 Resp: 279931
Ion Ratio Lower Upper
117 100
82 50.6 41.4 62.2
119 31.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY023978.D

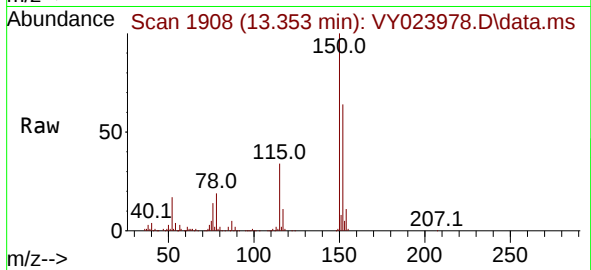
Acq: 15 Dec 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2



Tgt Ion:152 Resp: 90573

Ion Ratio Lower Upper

152 100

115 54.7 27.3 81.9

150 157.6 0.0 347.6

