

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023765.D
 Acq On : 12 Nov 2025 15:44
 Operator : SY/MD
 Sample : Q3609-08
 Misc : 5.67g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-713-VOC-03

Quant Time: Nov 14 03:40:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

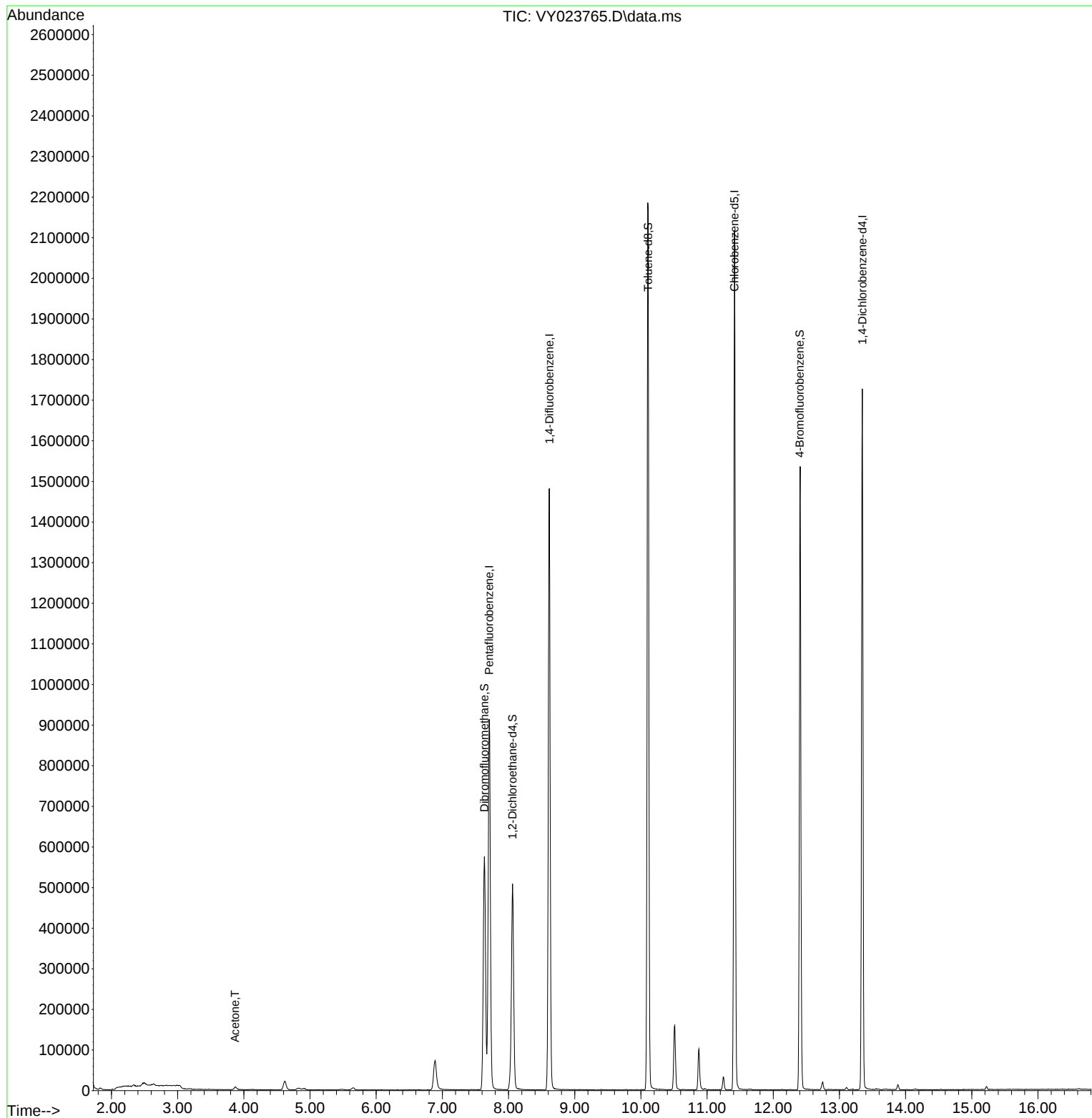
Internal Standards						
1) Pentafluorobenzene	7.707	168	752978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1302630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1147053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	458702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	376802	58.665	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.320%
35) Dibromofluoromethane	7.634	113	415151	50.998	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.000%
50) Toluene-d8	10.109	98	1483040	48.906	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.820%
62) 4-Bromofluorobenzene	12.401	95	449178	45.804	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.600%
Target Compounds						
16) Acetone	3.866	43	11934	7.475	ug/l	Qvalue 96

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

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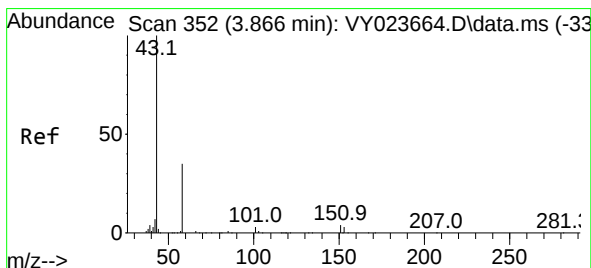
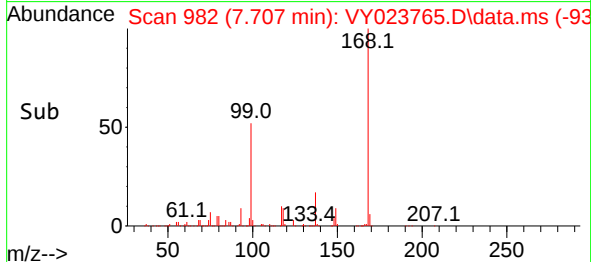
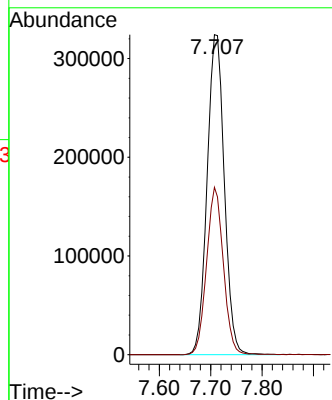
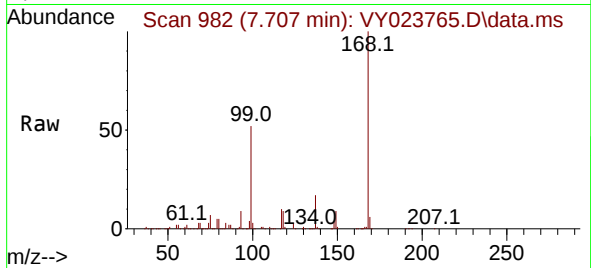




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023765.D
Acq: 12 Nov 2025 15:44

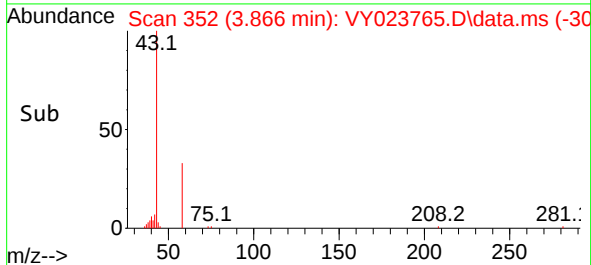
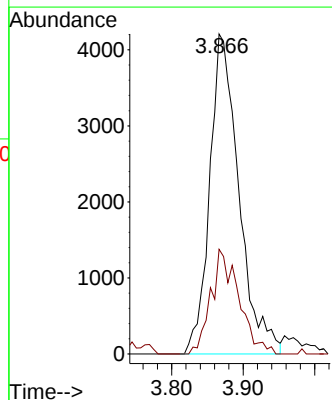
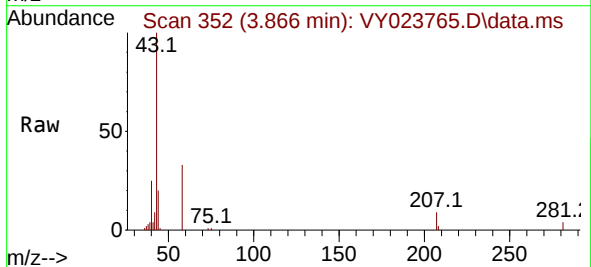
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-03

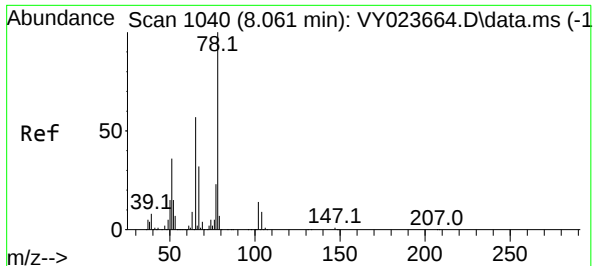
Tgt Ion:168 Resp: 752978
Ion Ratio Lower Upper
168 100
99 52.3 41.0 61.4



#16
Acetone
Concen: 7.475 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023765.D
Acq: 12 Nov 2025 15:44

Tgt Ion: 43 Resp: 11934
Ion Ratio Lower Upper
43 100
58 32.7 28.2 42.4





#33

1,2-Dichloroethane-d4

Concen: 58.665 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023765.D

Acq: 12 Nov 2025 15:44

Instrument :

MSVOA_Y

ClientSampleId :

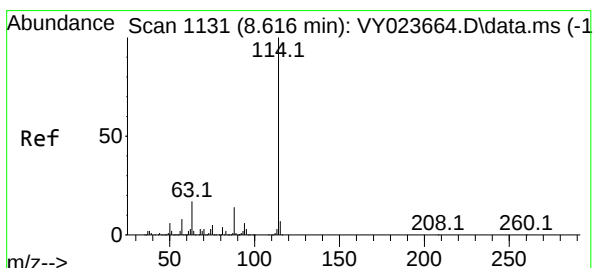
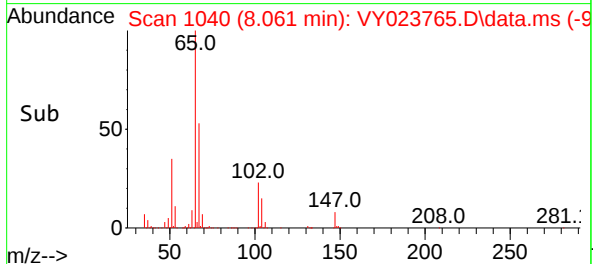
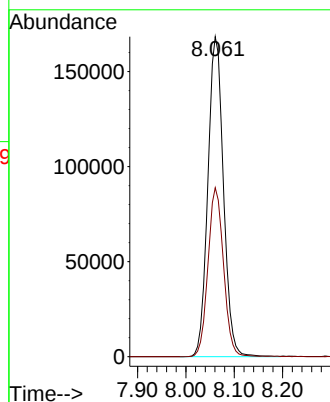
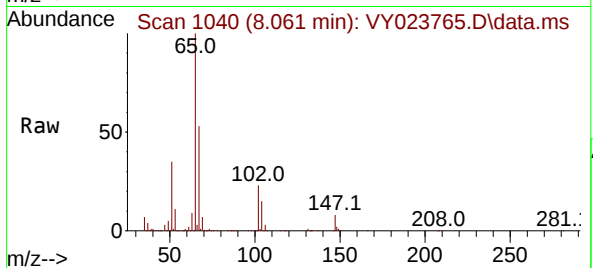
AU-713-VOC-03

Tgt Ion: 65 Resp: 376802

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023765.D

Acq: 12 Nov 2025 15:44

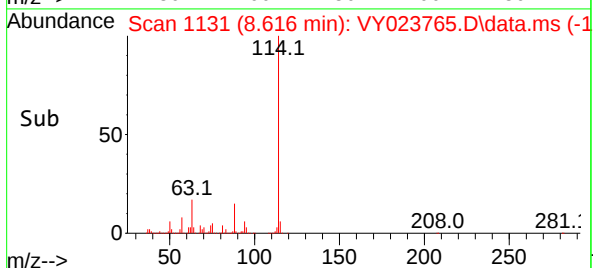
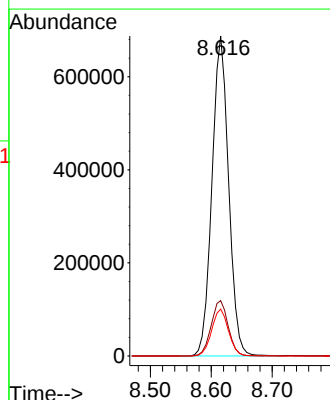
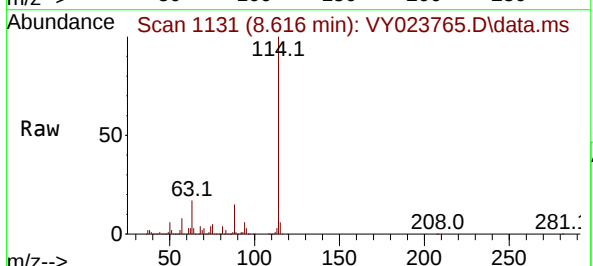
Tgt Ion: 114 Resp: 1302630

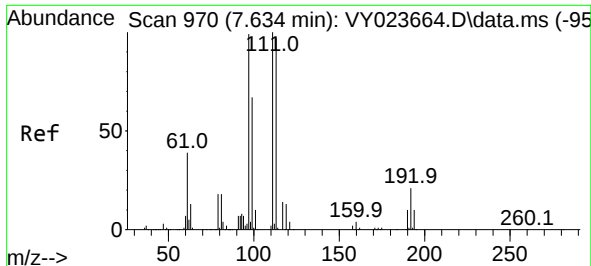
Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.8

88 14.7 0.0 29.0

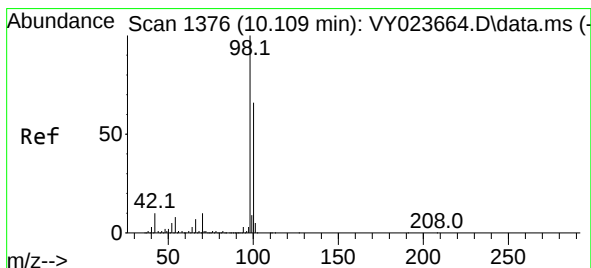
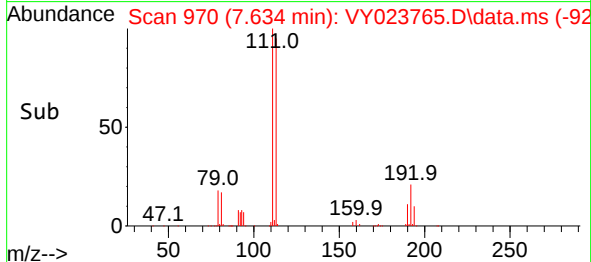
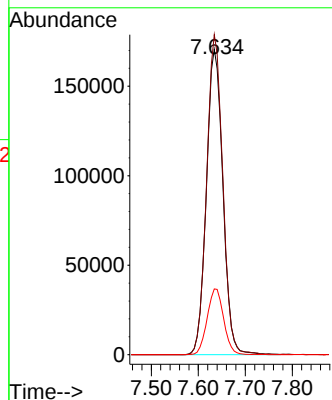
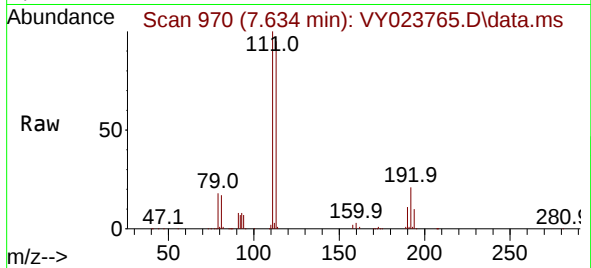




#35
Dibromofluoromethane
Concen: 50.998 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023765.D
Acq: 12 Nov 2025 15:44

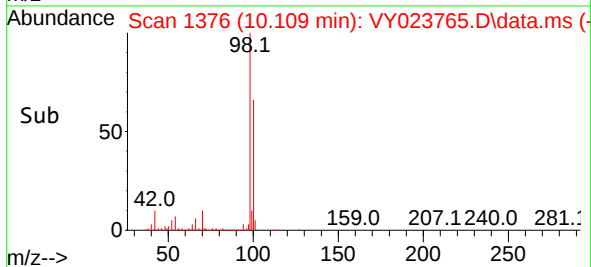
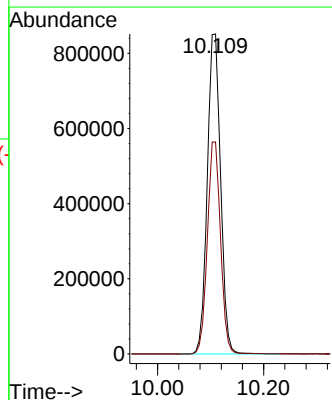
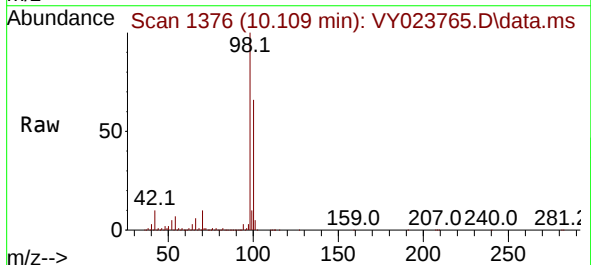
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-03

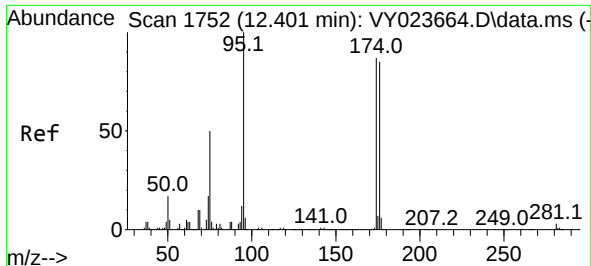
Tgt Ion:113 Resp: 415151
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 21.6 17.3 25.9



#50
Toluene-d8
Concen: 48.906 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023765.D
Acq: 12 Nov 2025 15:44

Tgt Ion: 98 Resp: 1483040
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1

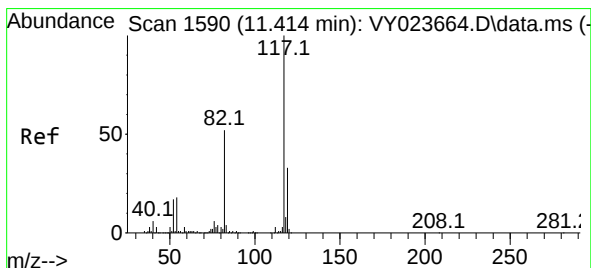
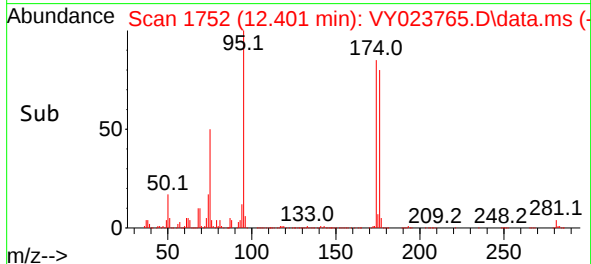
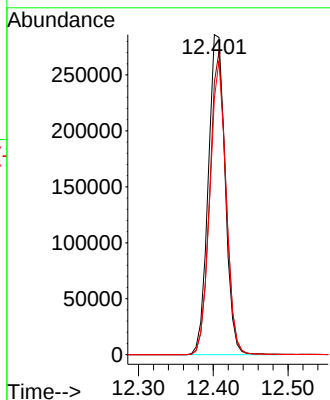
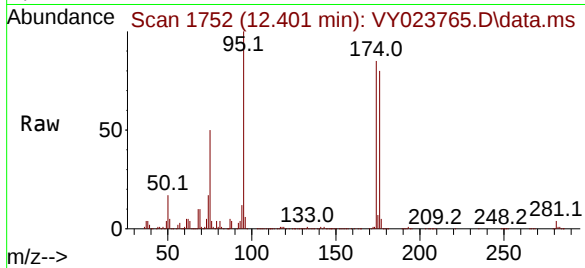




#62
4-Bromofluorobenzene
Concen: 45.804 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023765.D
Acq: 12 Nov 2025 15:44

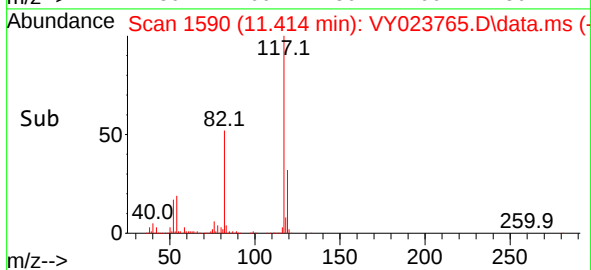
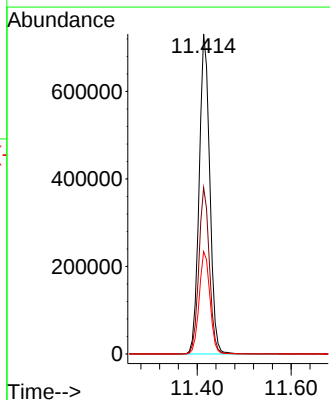
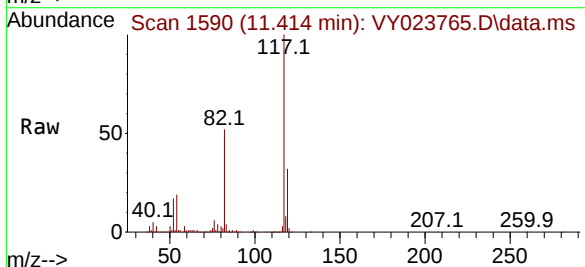
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-03

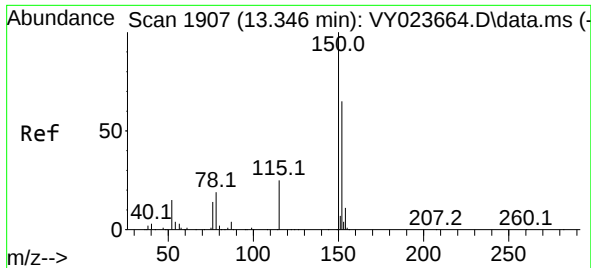
Tgt Ion: 95 Resp: 449178
Ion Ratio Lower Upper
95 100
174 90.8 0.0 184.8
176 88.0 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023765.D
Acq: 12 Nov 2025 15:44

Tgt Ion: 117 Resp: 1147053
Ion Ratio Lower Upper
117 100
82 52.0 41.2 61.8
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023765.D

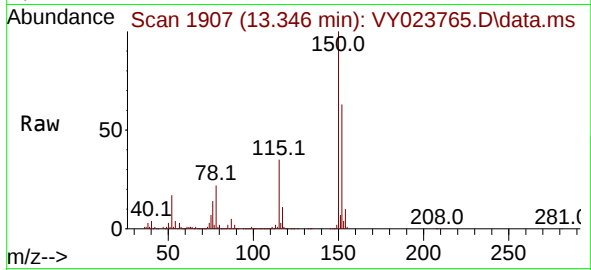
Acq: 12 Nov 2025 15:44

Instrument :

MSVOA_Y

ClientSampleId :

AU-713-VOC-03



Tgt Ion:152 Resp: 458702

Ion Ratio Lower Upper

152 100

115 56.3 27.5 82.5

150 157.6 0.0 349.0

