

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112425\
 Data File : VY023795.D
 Acq On : 24 Nov 2025 17:12
 Operator : SY/MD
 Sample : Q3707-01
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 V933

Quant Time: Nov 26 02:14:02 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)

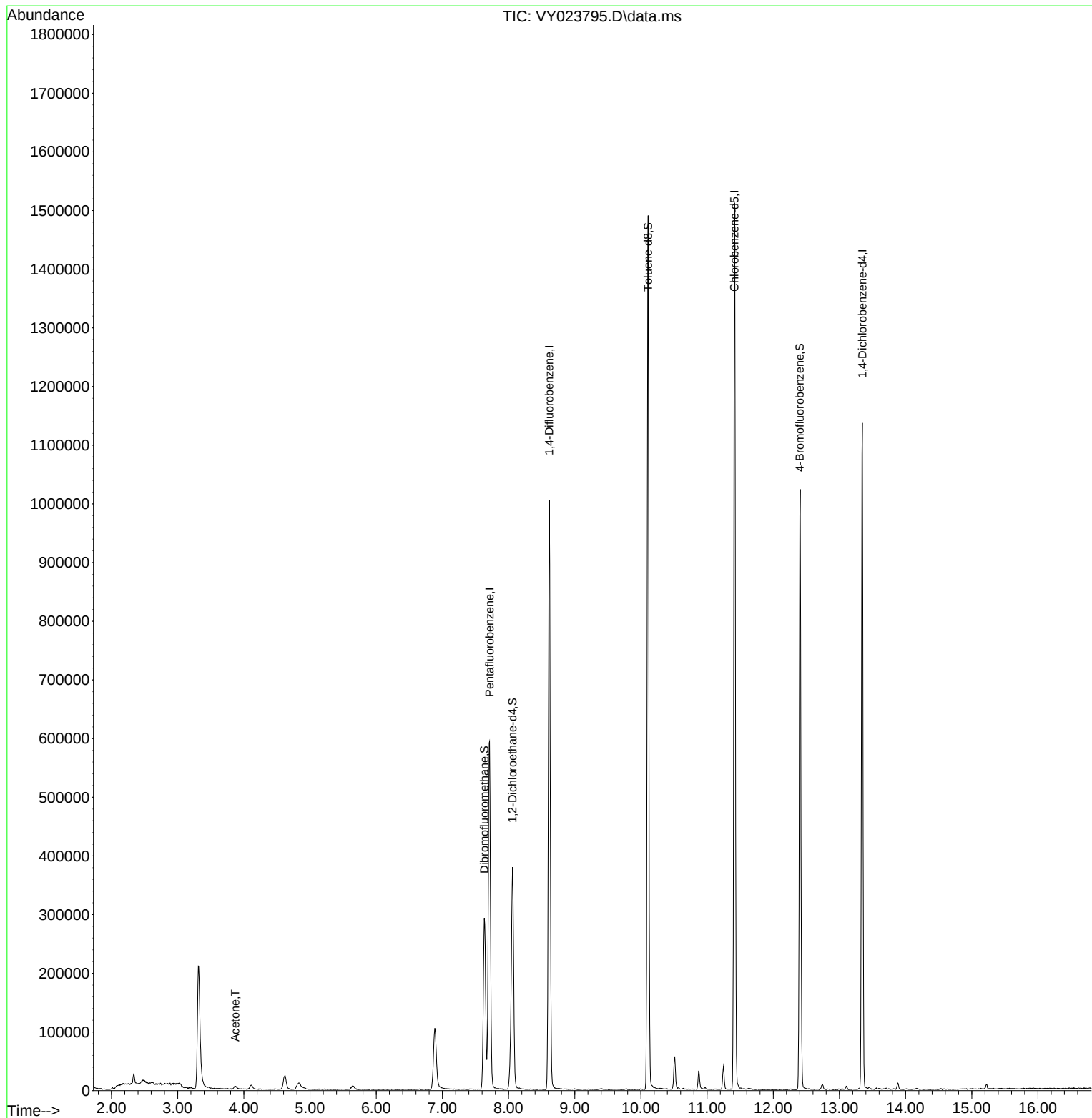
Internal Standards						
1) Pentafluorobenzene	7.713	168	472933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	857142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	835519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	316923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	259410	64.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.600%
35) Dibromofluoromethane	7.634	113	218507	40.792	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.580%
50) Toluene-d8	10.109	98	991728	49.702	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.400%
62) 4-Bromofluorobenzene	12.401	95	318272	49.323	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.640%
Target Compounds						
16) Acetone	3.872	43	9255	9.229	ug/l	Qvalue # 79

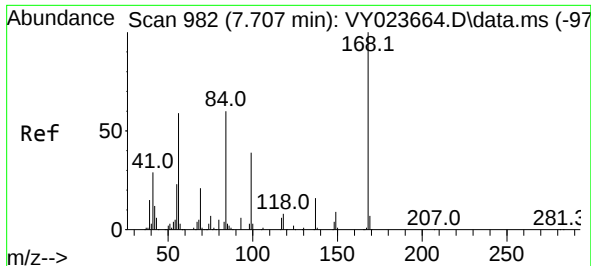
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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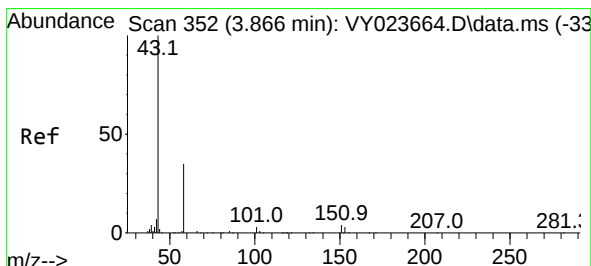
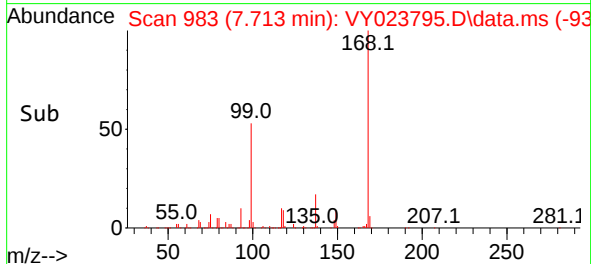
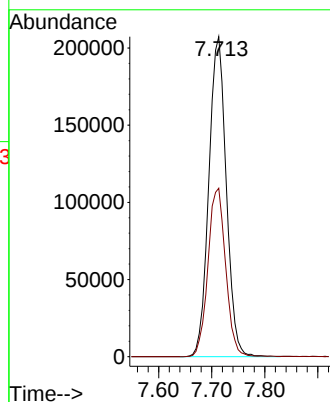
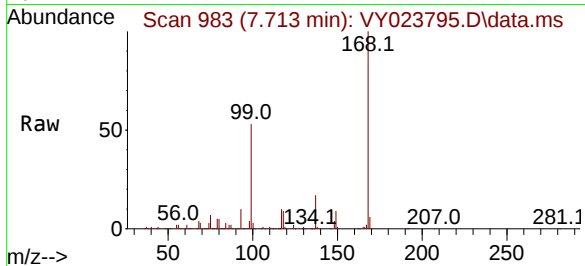




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023795.D
Acq: 24 Nov 2025 17:12

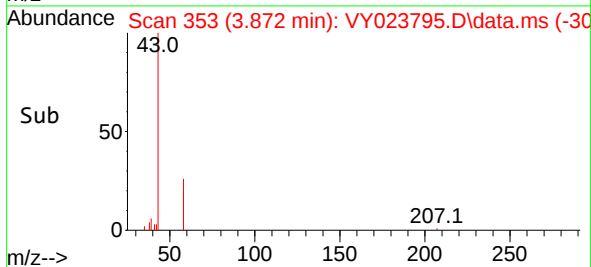
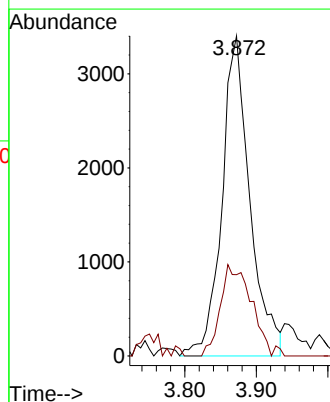
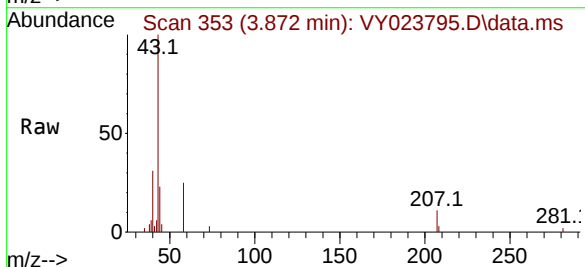
Instrument :
MSVOA_Y
ClientSampleId :
V933

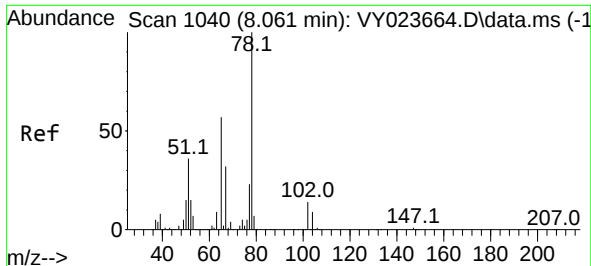
Tgt Ion:168 Resp: 472933
Ion Ratio Lower Upper
168 100
99 52.6 41.0 61.4



#16
Acetone
Concen: 9.229 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023795.D
Acq: 24 Nov 2025 17:12

Tgt Ion: 43 Resp: 9255
Ion Ratio Lower Upper
43 100
58 23.2 28.2 42.4#





#33

1,2-Dichloroethane-d4

Concen: 64.303 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023795.D

Acq: 24 Nov 2025 17:12

Instrument :

MSVOA_Y

ClientSampleId :

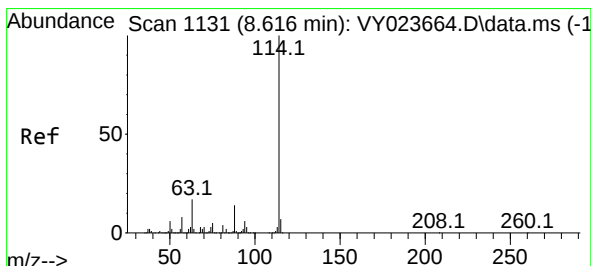
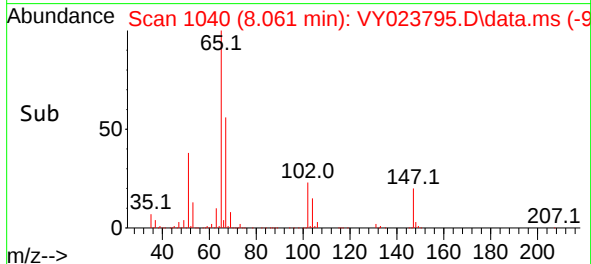
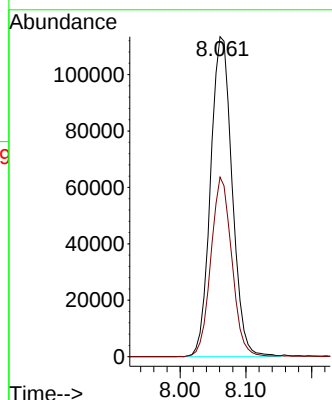
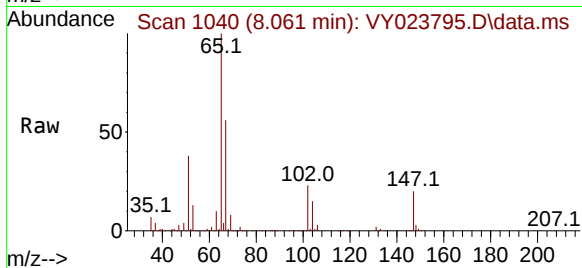
V933

Tgt Ion: 65 Resp: 259410

Ion Ratio Lower Upper

65 100

67 54.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023795.D

Acq: 24 Nov 2025 17:12

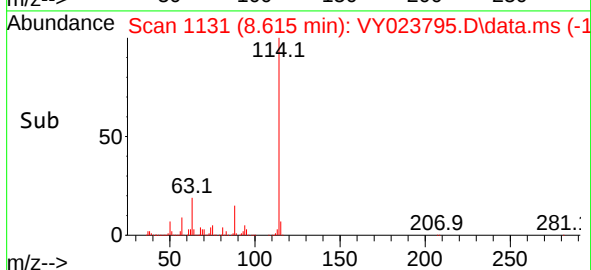
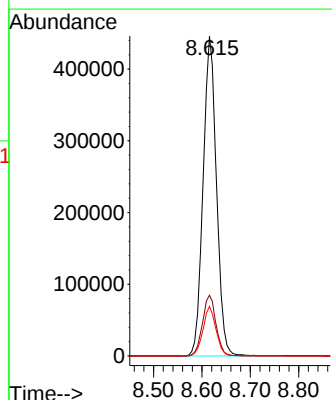
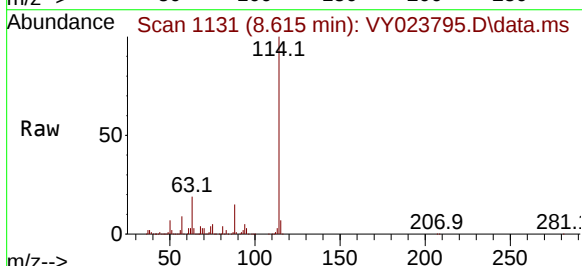
Tgt Ion: 114 Resp: 857142

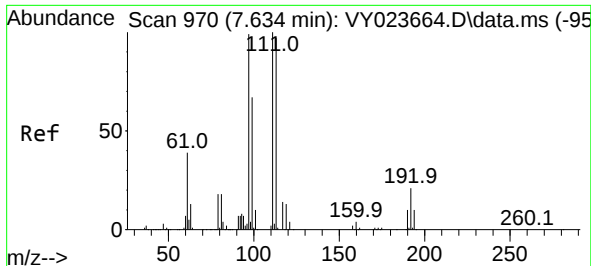
Ion Ratio Lower Upper

114 100

63 19.0 0.0 33.8

88 15.4 0.0 29.0

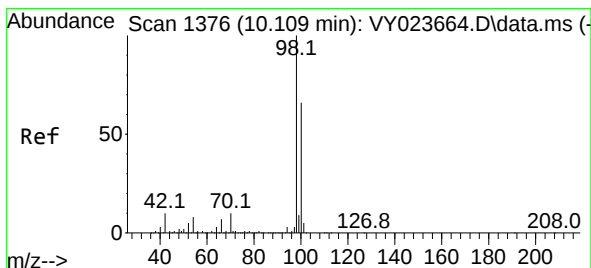
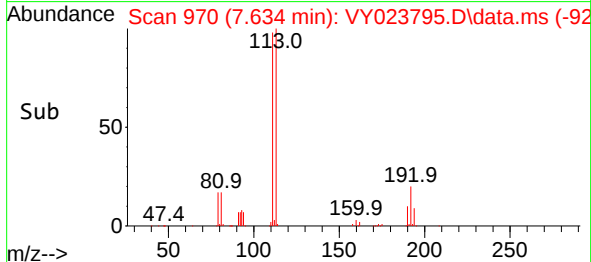
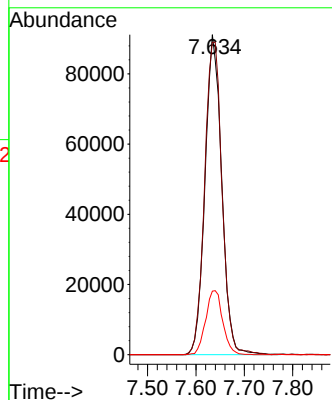
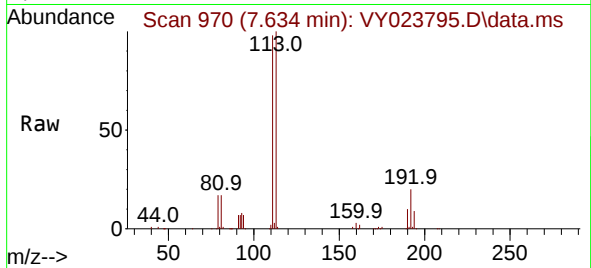




#35
Dibromofluoromethane
Concen: 40.792 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023795.D
Acq: 24 Nov 2025 17:12

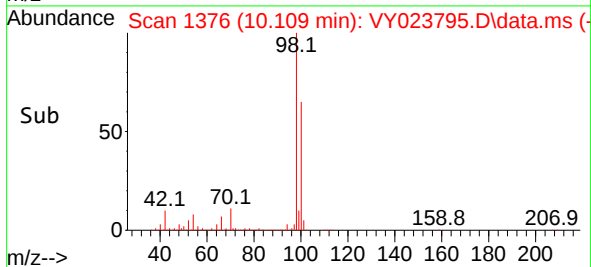
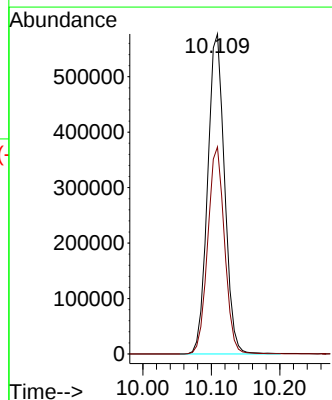
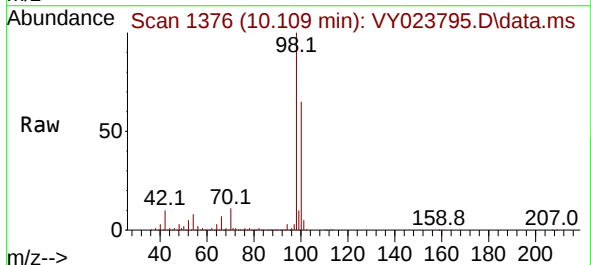
Instrument :
MSVOA_Y
ClientSampleId :
V933

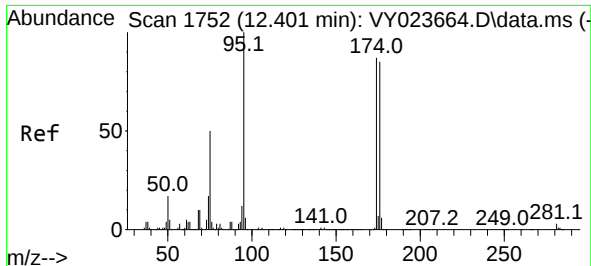
Tgt Ion:113 Resp: 218507
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 20.5 17.3 25.9



#50
Toluene-d8
Concen: 49.702 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023795.D
Acq: 24 Nov 2025 17:12

Tgt Ion: 98 Resp: 991728
Ion Ratio Lower Upper
98 100
100 64.2 52.7 79.1

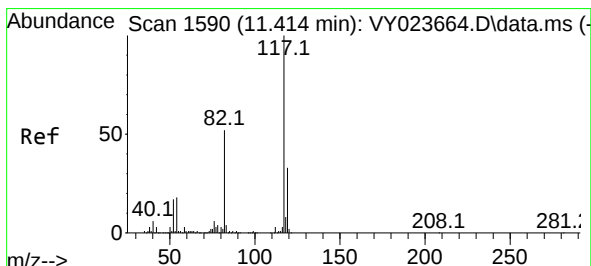
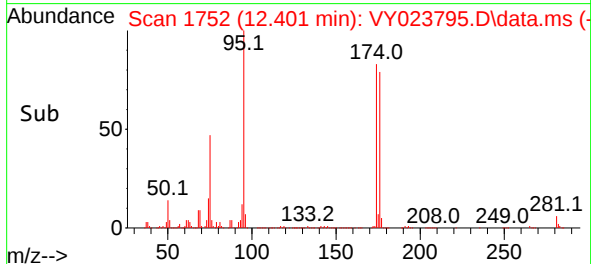
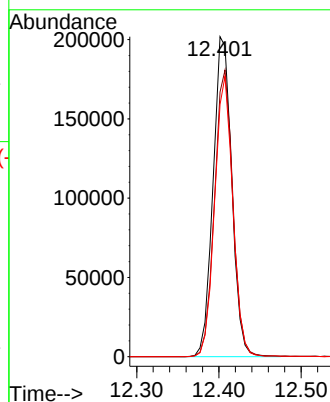
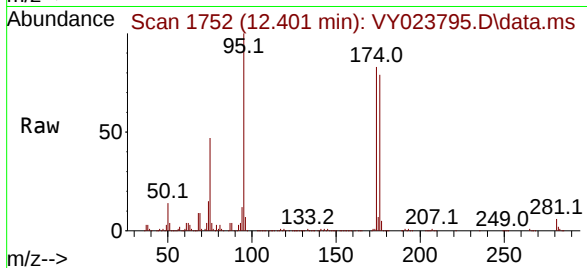




#62
4-Bromofluorobenzene
Concen: 49.323 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023795.D
Acq: 24 Nov 2025 17:12

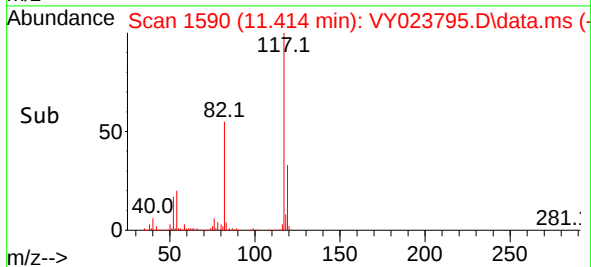
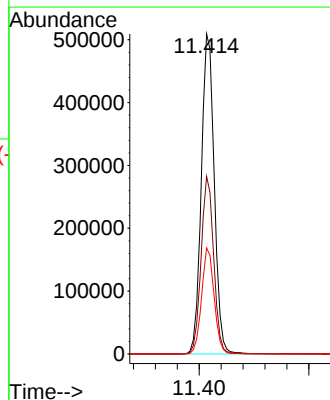
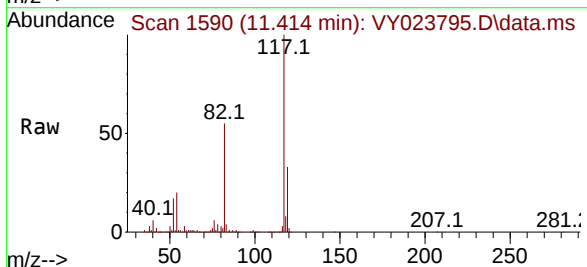
Instrument :
MSVOA_Y
ClientSampleId :
V933

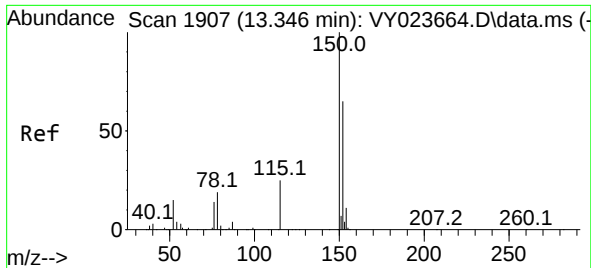
Tgt Ion: 95 Resp: 318272
Ion Ratio Lower Upper
95 100
174 88.5 0.0 184.8
176 85.1 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023795.D
Acq: 24 Nov 2025 17:12

Tgt Ion: 117 Resp: 835519
Ion Ratio Lower Upper
117 100
82 55.5 41.2 61.8
119 33.2 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: VY023795.D
 Acq: 24 Nov 2025 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 V933

Tgt Ion:152 Resp: 316923
 Ion Ratio Lower Upper
 152 100
 115 57.7 27.5 82.5
 150 158.1 0.0 349.0

