

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023632.D
 Acq On : 30 Oct 2025 15:00
 Operator : SY/MD
 Sample : Q3496-01
 Misc : 8.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRILL-CUTTINGS

Quant Time: Oct 31 02:41:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

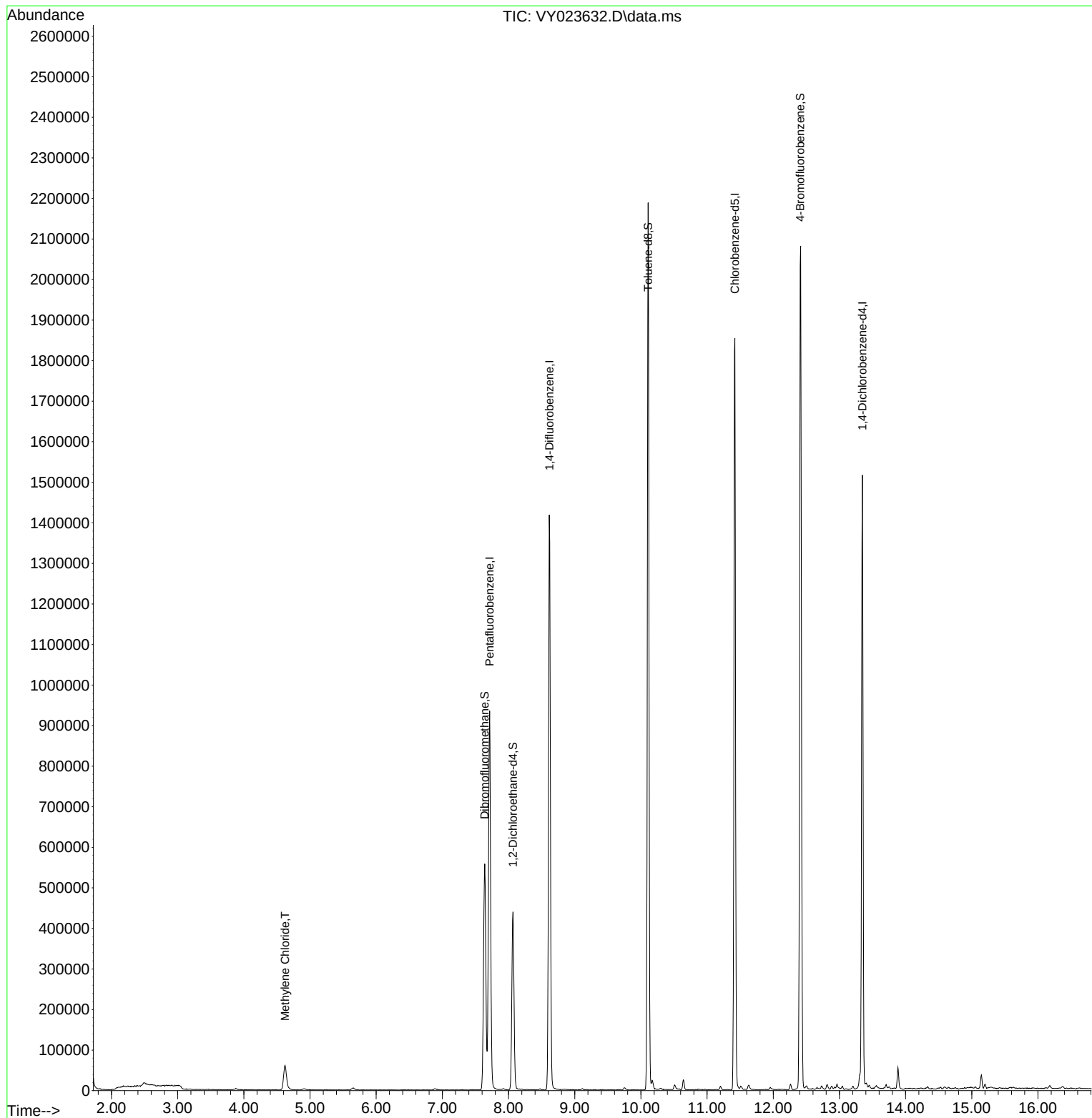
Internal Standards						
1) Pentafluorobenzene	7.713	168	766537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1295330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1075554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	413848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	346117	53.997	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.000%	
35) Dibromofluoromethane	7.640	113	405717	50.975	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.940%	
50) Toluene-d8	10.109	98	1451702	48.976	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.960%	
62) 4-Bromofluorobenzene	12.408	95	410998	41.999	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.000%	
Target Compounds						Qvalue
20) Methylene Chloride	4.622	84	48677	5.899	ug/l	97

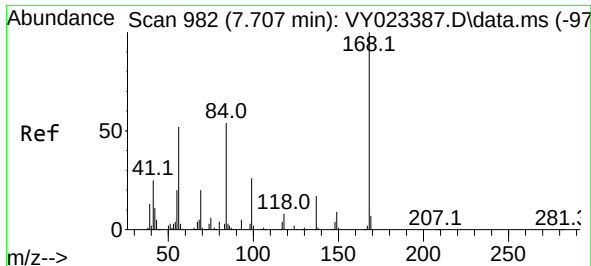
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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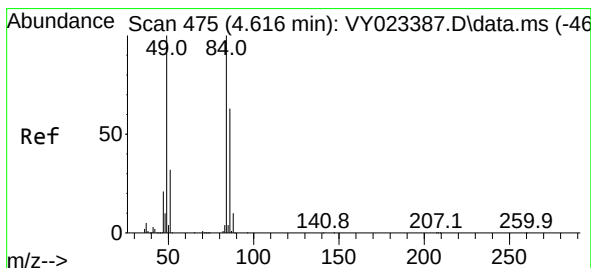
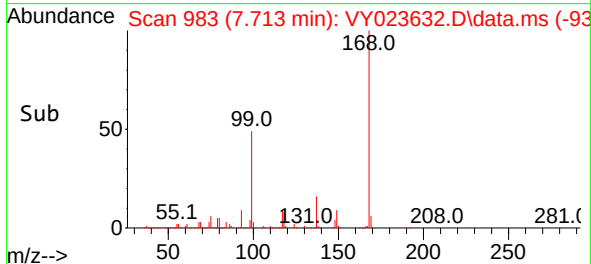
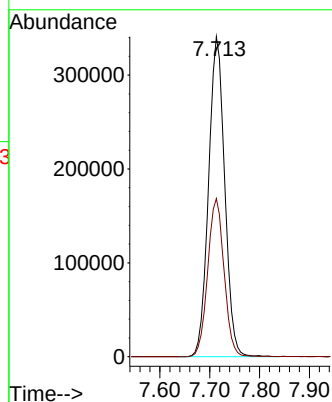
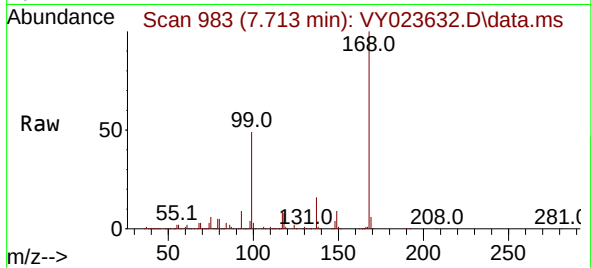




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

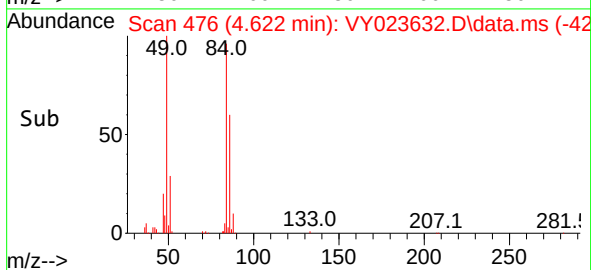
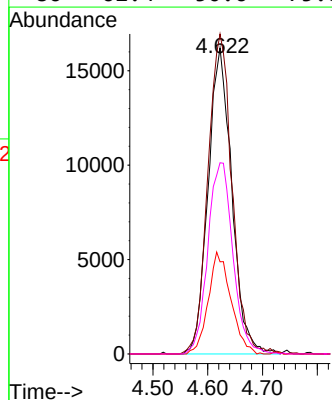
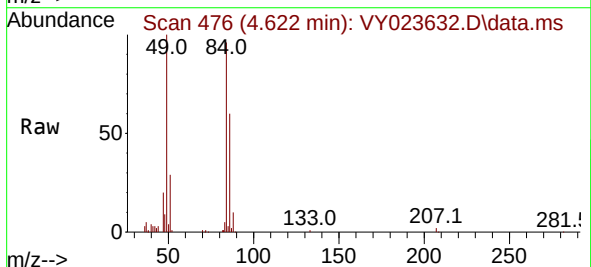
Instrument :
MSVOA_Y
ClientSampleId :
DRILL-CUTTINGS

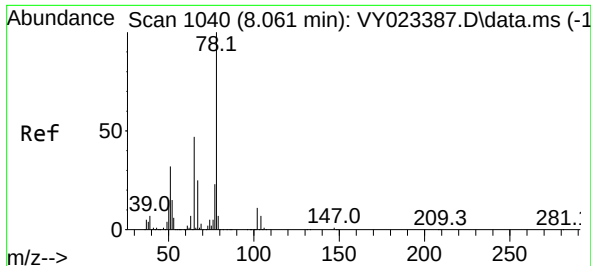
Tgt Ion:168 Resp: 766537
Ion Ratio Lower Upper
168 100
99 49.4 39.7 59.5



#20
Methylene Chloride
Concen: 5.899 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

Tgt Ion: 84 Resp: 48677
Ion Ratio Lower Upper
84 100
49 104.5 80.2 120.4
51 30.1 25.9 38.9
86 62.4 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 53.997 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023632.D

Acq: 30 Oct 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

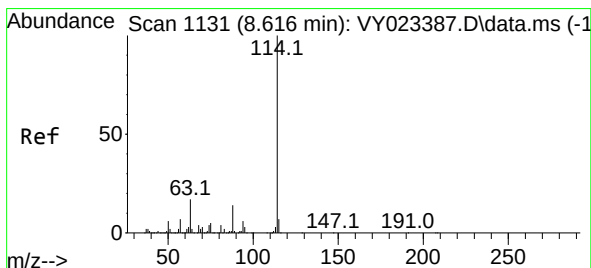
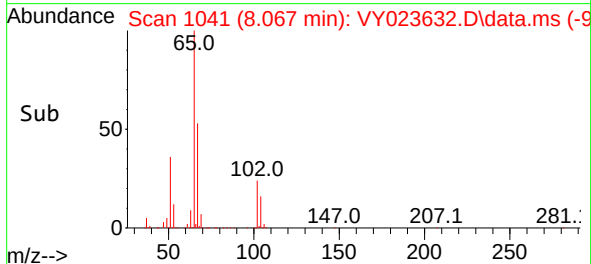
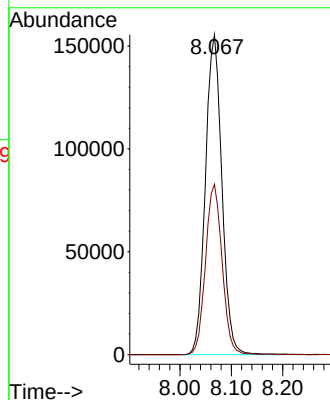
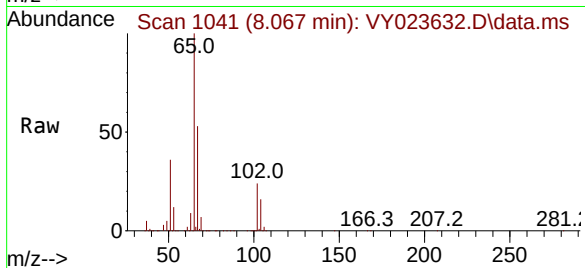
DRILL-CUTTINGS

Tgt Ion: 65 Resp: 346117

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023632.D

Acq: 30 Oct 2025 15:00

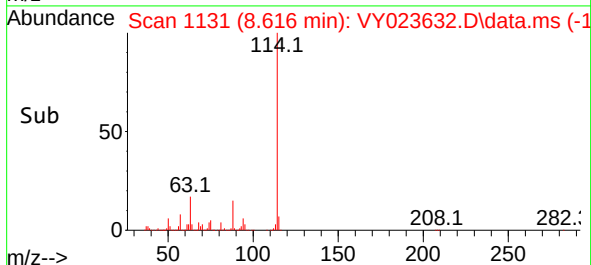
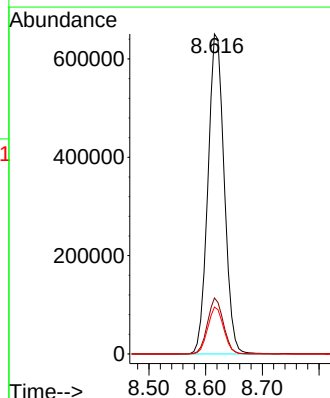
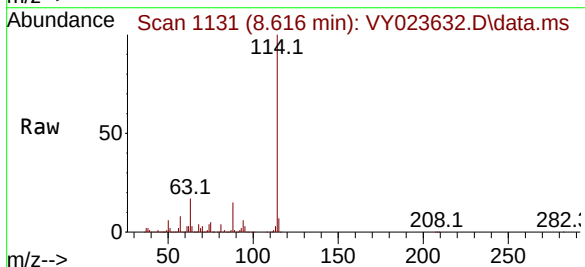
Tgt Ion: 114 Resp: 1295330

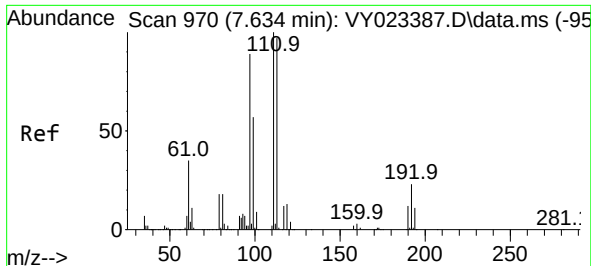
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

88 14.6 0.0 28.4

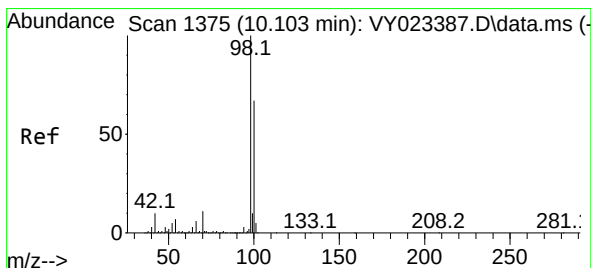
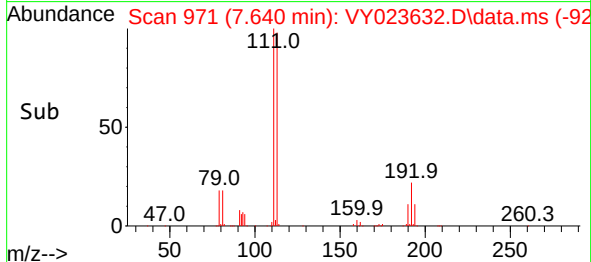
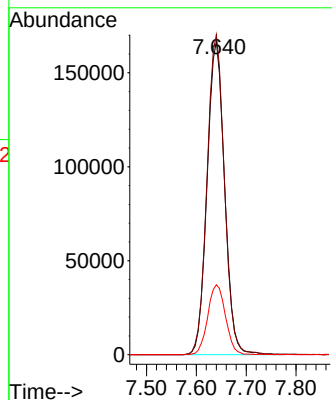
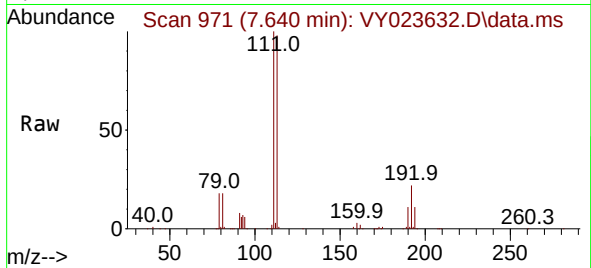




#35
Dibromofluoromethane
Concen: 50.975 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

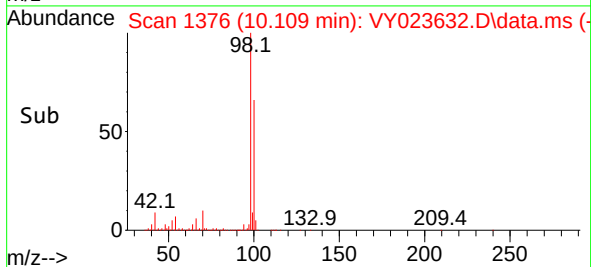
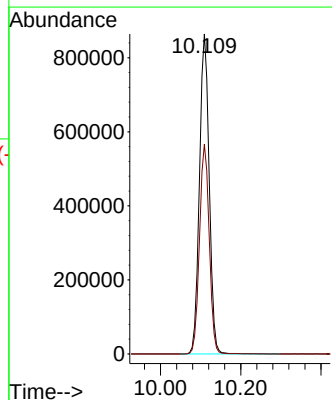
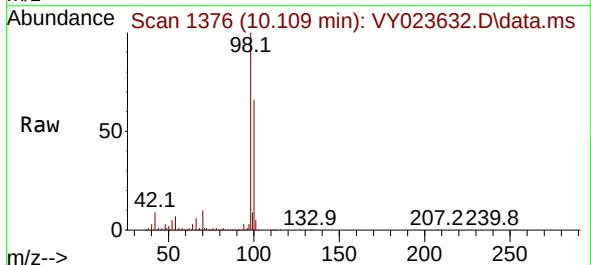
Instrument :
MSVOA_Y
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DRILL-CUTTINGS

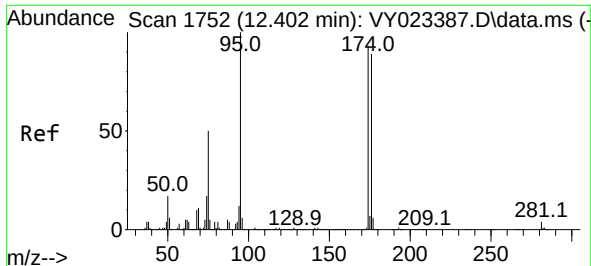
Tgt Ion:113 Resp: 405717
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.6
192 22.7 18.0 27.0



#50
Toluene-d8
Concen: 48.976 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

Tgt Ion: 98 Resp: 1451702
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4

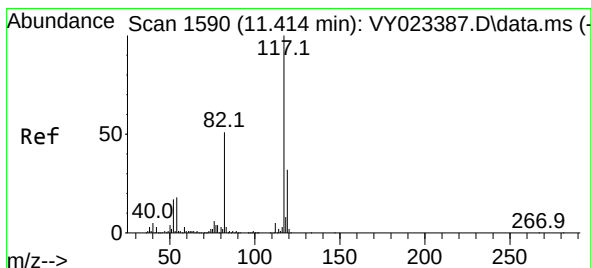
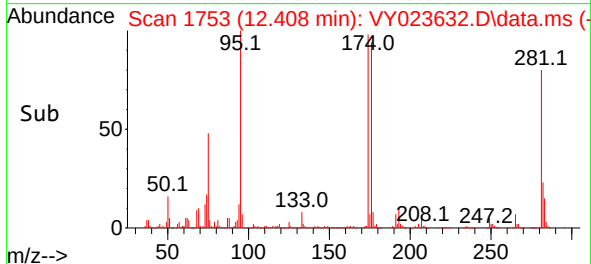
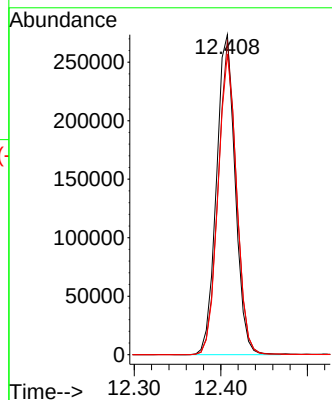
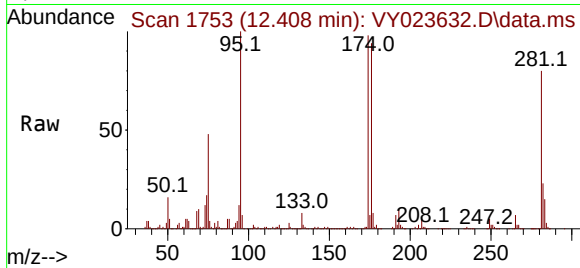




#62
4-Bromofluorobenzene
Concen: 41.999 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

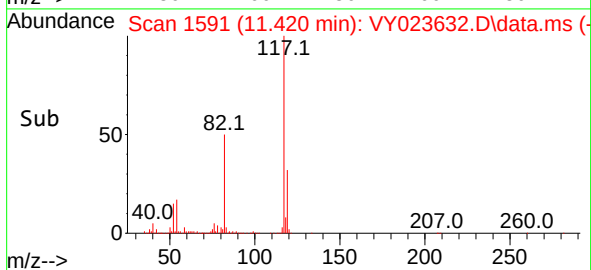
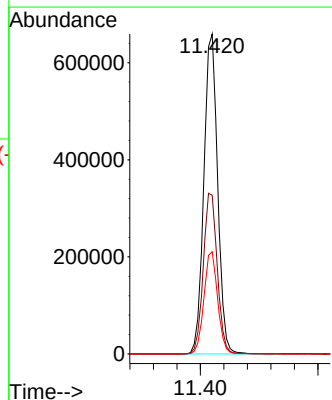
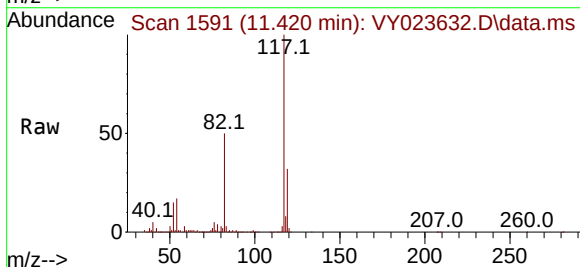
Instrument :
MSVOA_Y
ClientSampleId :
DRILL-CUTTINGS

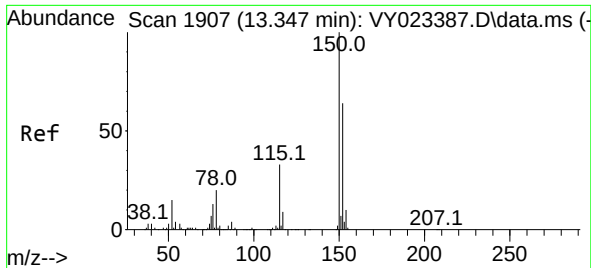
Tgt Ion: 95 Resp: 410998
Ion Ratio Lower Upper
95 100
174 95.3 0.0 192.8
176 93.4 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023632.D
Acq: 30 Oct 2025 15:00

Tgt Ion: 117 Resp: 1075554
Ion Ratio Lower Upper
117 100
82 49.6 41.0 61.4
119 32.0 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023632.D
 Acq: 30 Oct 2025 15:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRILL-CUTTINGS

Tgt Ion:152 Resp: 413848
 Ion Ratio Lower Upper
 152 100
 115 55.0 27.1 81.2
 150 155.8 0.0 347.4

