

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023627.D
 Acq On : 30 Oct 2025 13:03
 Operator : SY/MD
 Sample : Q3486-07
 Misc : 8.90g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP6

Quant Time: Oct 31 02:39:19 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)

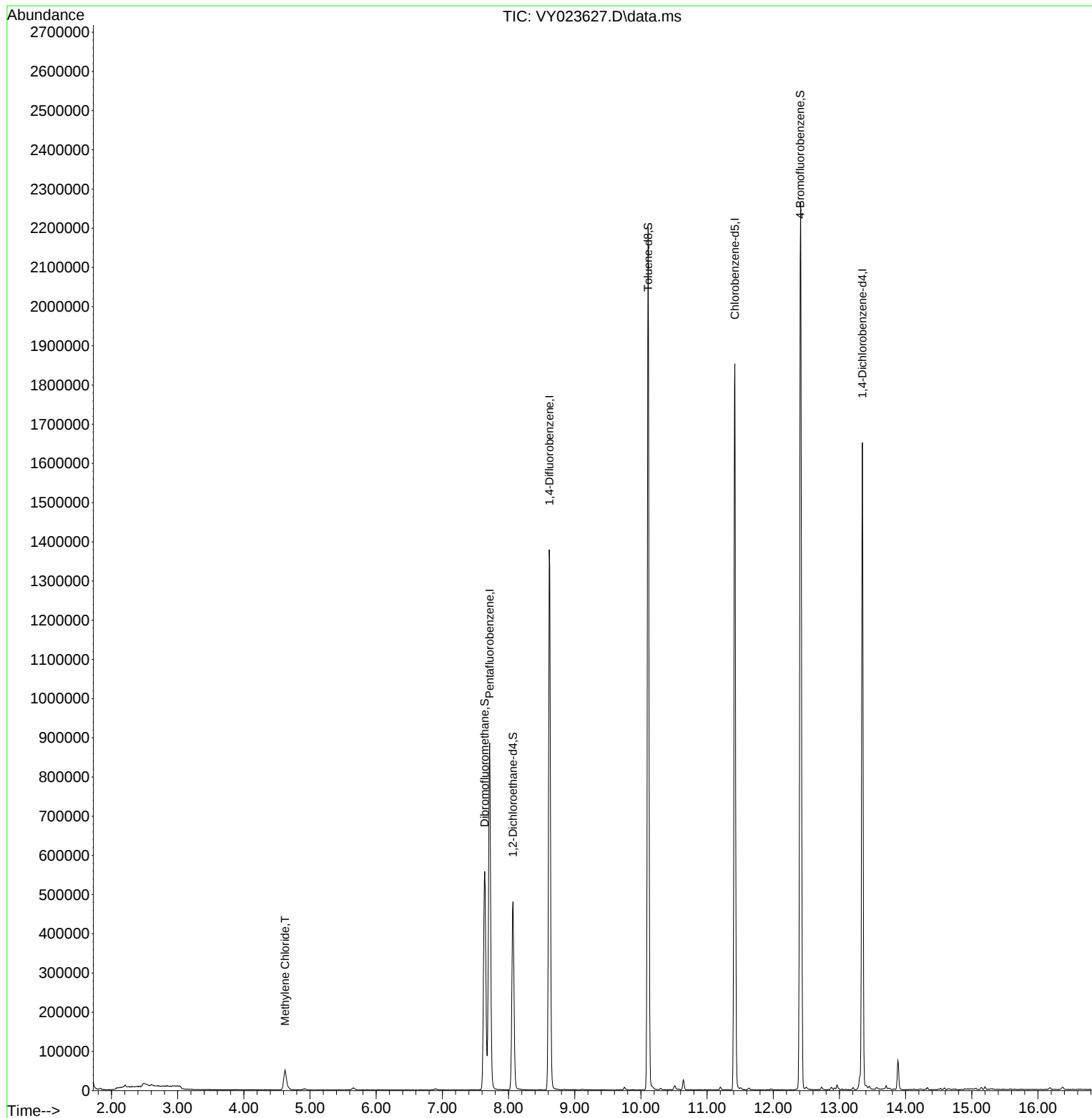
Internal Standards						
1) Pentafluorobenzene	7.713	168	717979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1261474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1061440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	435896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	373795	62.259	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.520%
35) Dibromofluoromethane	7.640	113	407509	52.574	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.140%
50) Toluene-d8	10.109	98	1426071	49.403	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.800%
62) 4-Bromofluorobenzene	12.407	95	419847	44.055	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.100%
Target Compounds						
						Qvalue
20) Methylene Chloride	4.622	84	37870	4.900	ug/l	96

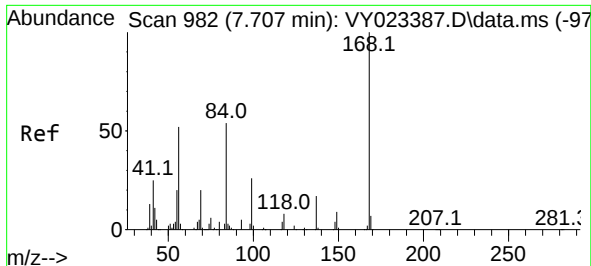
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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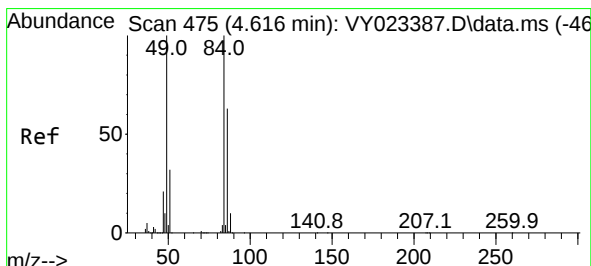
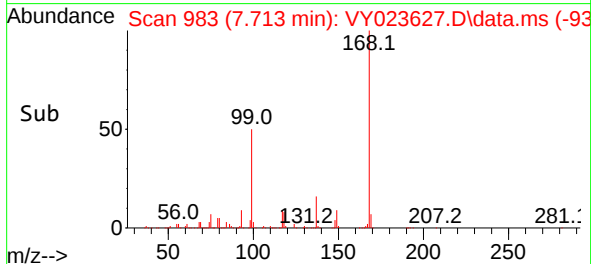
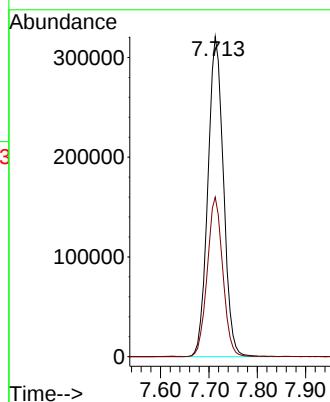
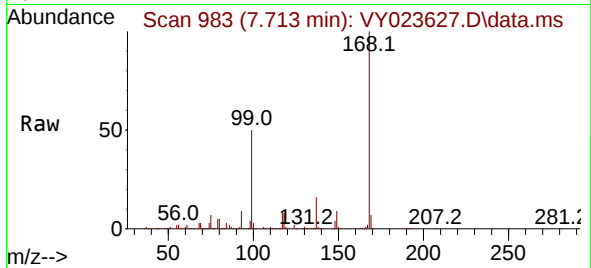




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

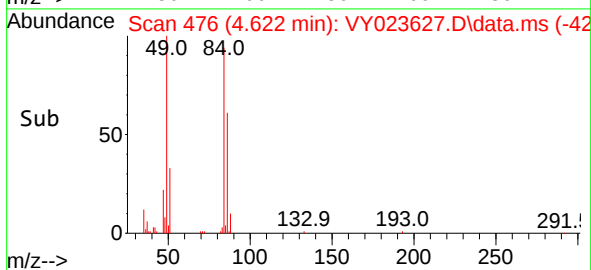
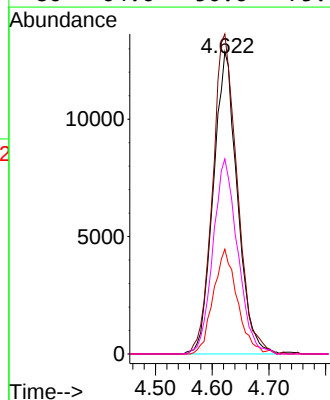
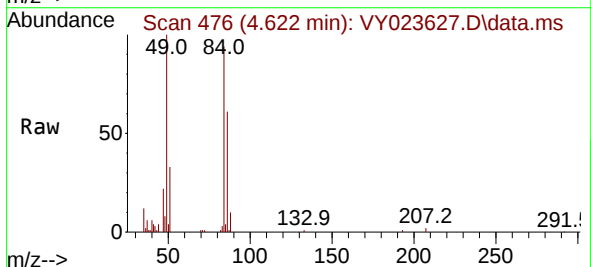
Instrument :
MSVOA_Y
ClientSampleId :
TP6

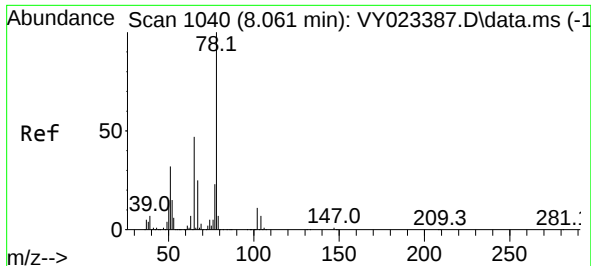
Tgt Ion:168 Resp: 717979
Ion Ratio Lower Upper
168 100
99 49.8 39.7 59.5



#20
Methylene Chloride
Concen: 4.900 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

Tgt Ion: 84 Resp: 37870
Ion Ratio Lower Upper
84 100
49 106.0 80.2 120.4
51 34.7 25.9 38.9
86 64.6 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 62.259 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023627.D

Acq: 30 Oct 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

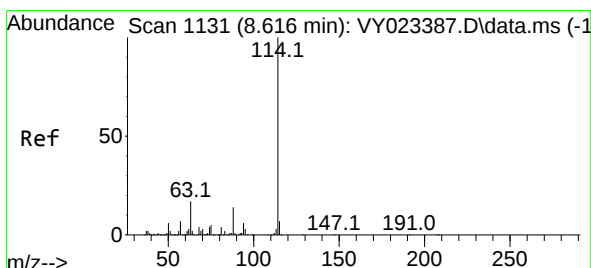
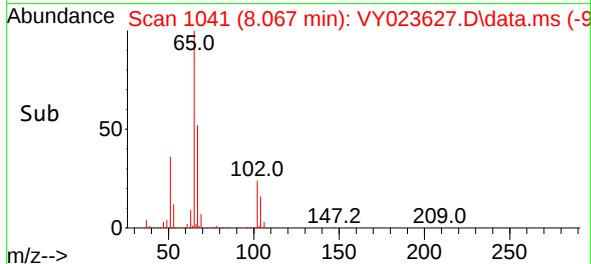
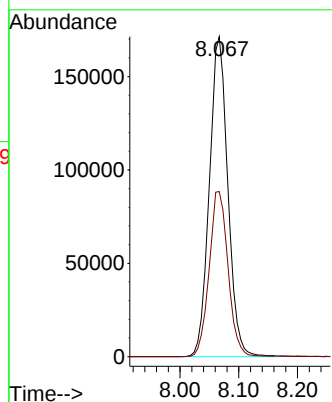
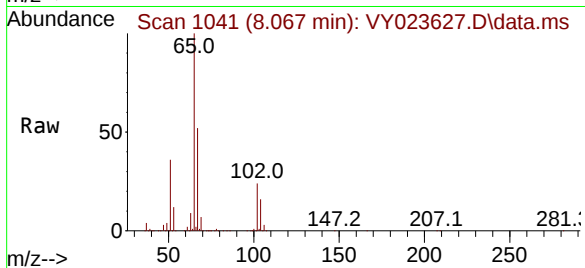
TP6

Tgt Ion: 65 Resp: 373795

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023627.D

Acq: 30 Oct 2025 13:03

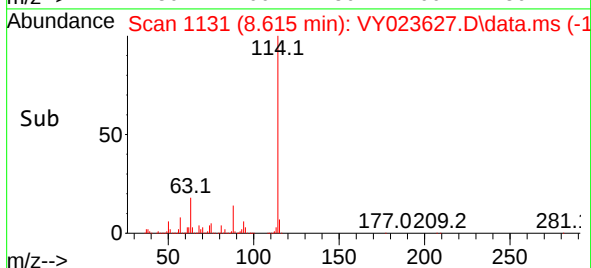
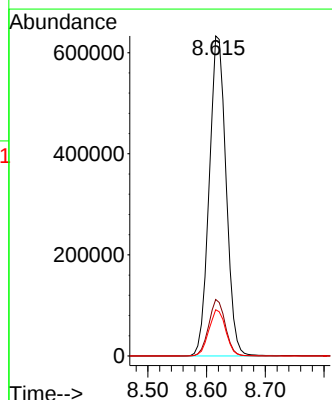
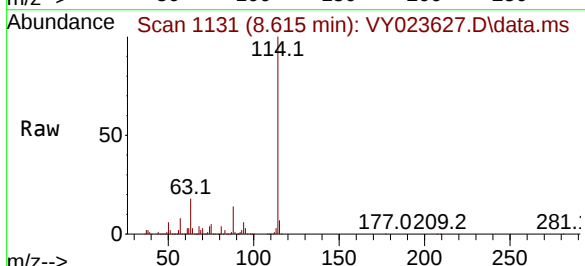
Tgt Ion: 114 Resp: 1261474

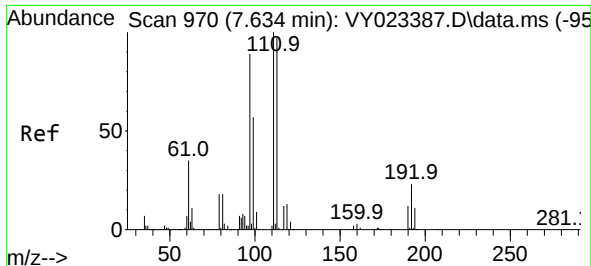
Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.2

88 14.4 0.0 28.4

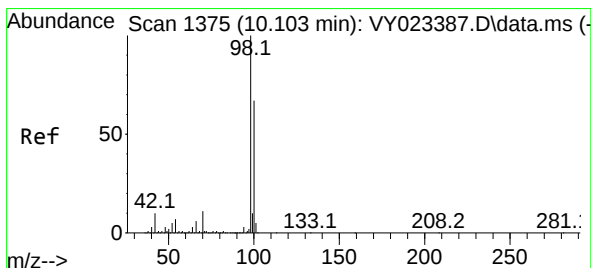
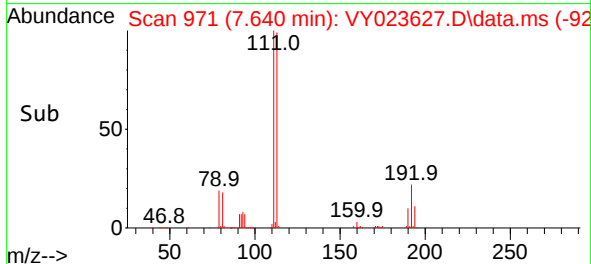
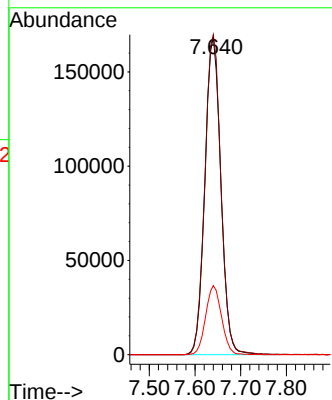
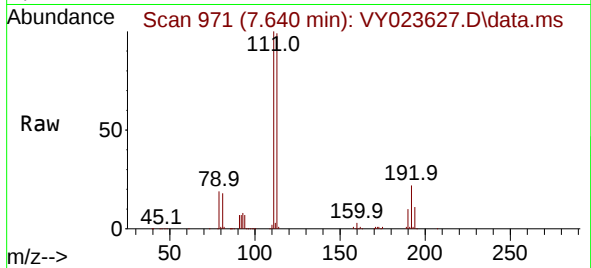




#35
Dibromofluoromethane
Concen: 52.574 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

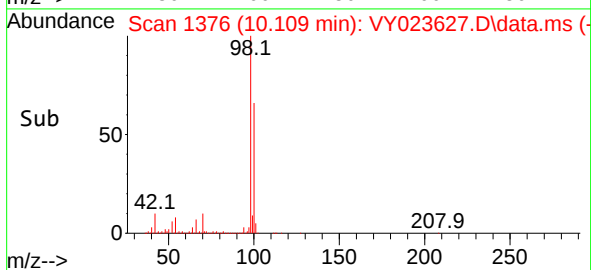
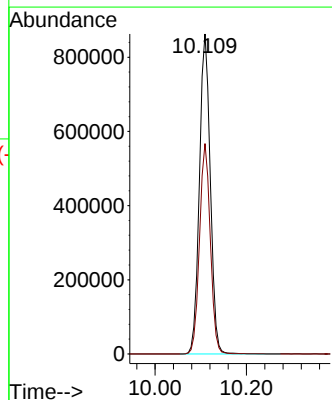
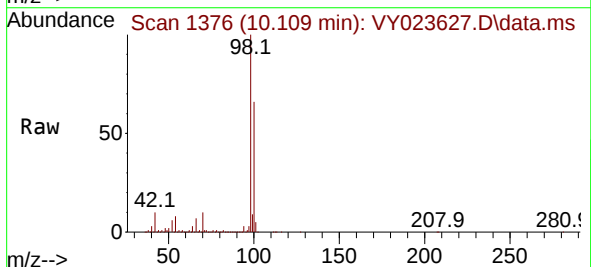
Instrument :
MSVOA_Y
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TP6

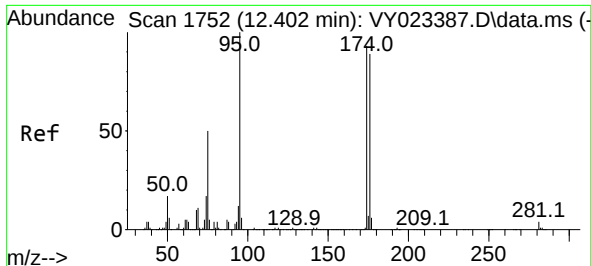
Tgt Ion:113 Resp: 407509
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 21.7 18.0 27.0



#50
Toluene-d8
Concen: 49.403 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

Tgt Ion: 98 Resp: 1426071
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4

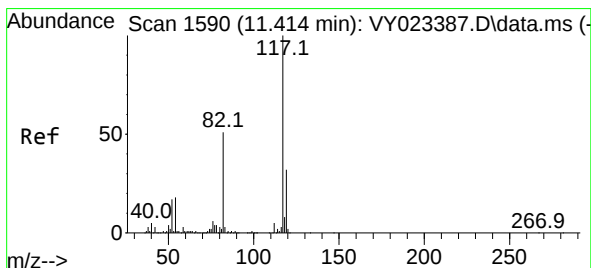
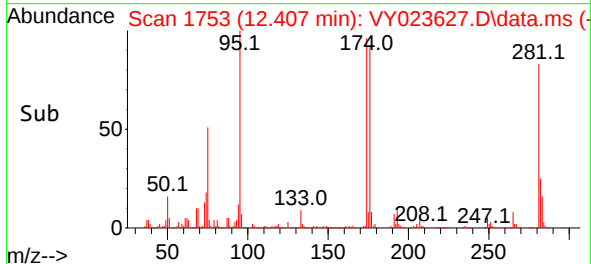
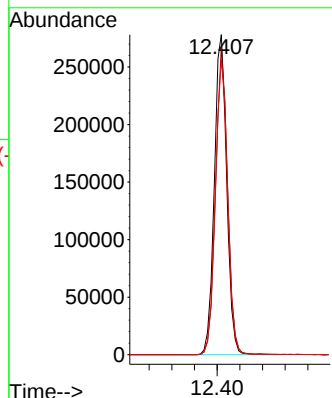
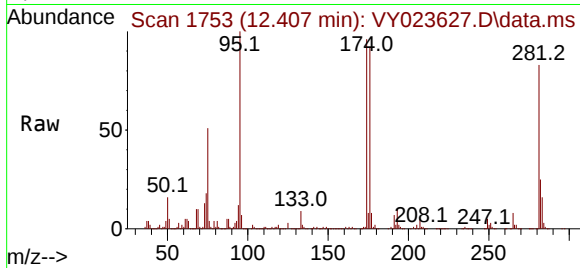




#62
4-Bromofluorobenzene
Concen: 44.055 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

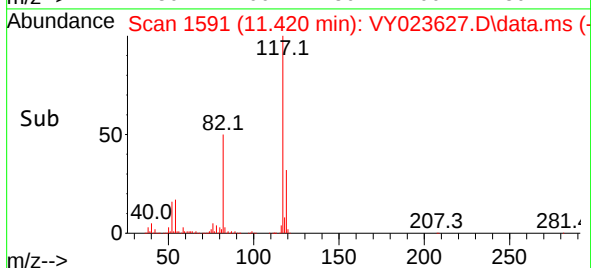
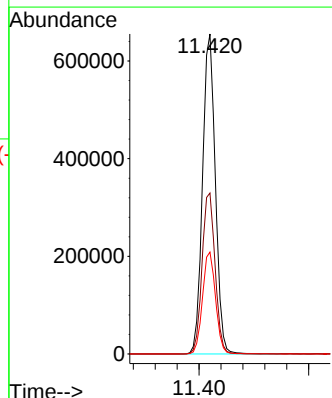
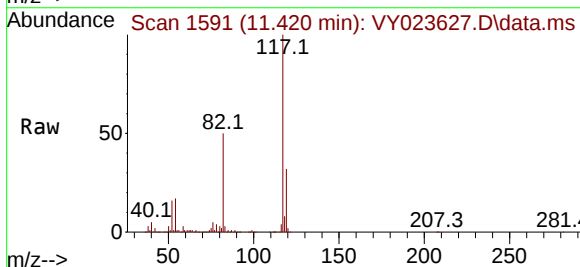
Instrument :
MSVOA_Y
ClientSampleId :
TP6

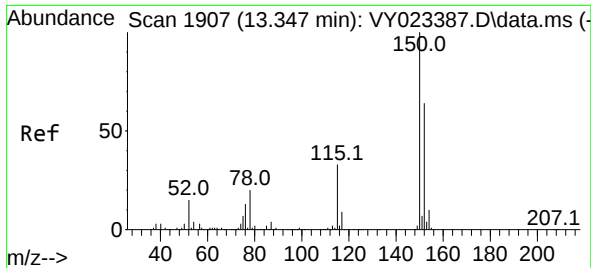
Tgt Ion: 95 Resp: 419847
Ion Ratio Lower Upper
95 100
174 93.8 0.0 192.8
176 91.8 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

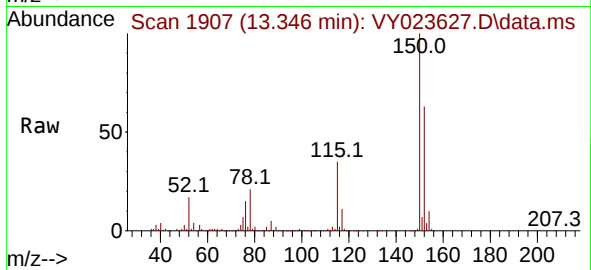
Tgt Ion: 117 Resp: 1061440
Ion Ratio Lower Upper
117 100
82 50.3 41.0 61.4
119 31.8 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023627.D
 Acq: 30 Oct 2025 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP6



Tgt Ion:152 Resp: 435896
 Ion Ratio Lower Upper
 152 100
 115 55.0 27.1 81.2
 150 157.8 0.0 347.4

