

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023330.D
 Acq On : 10 Sep 2025 14:02
 Operator : SY/MD
 Sample : Q3066-01
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 354

Quant Time: Sep 11 03:50:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

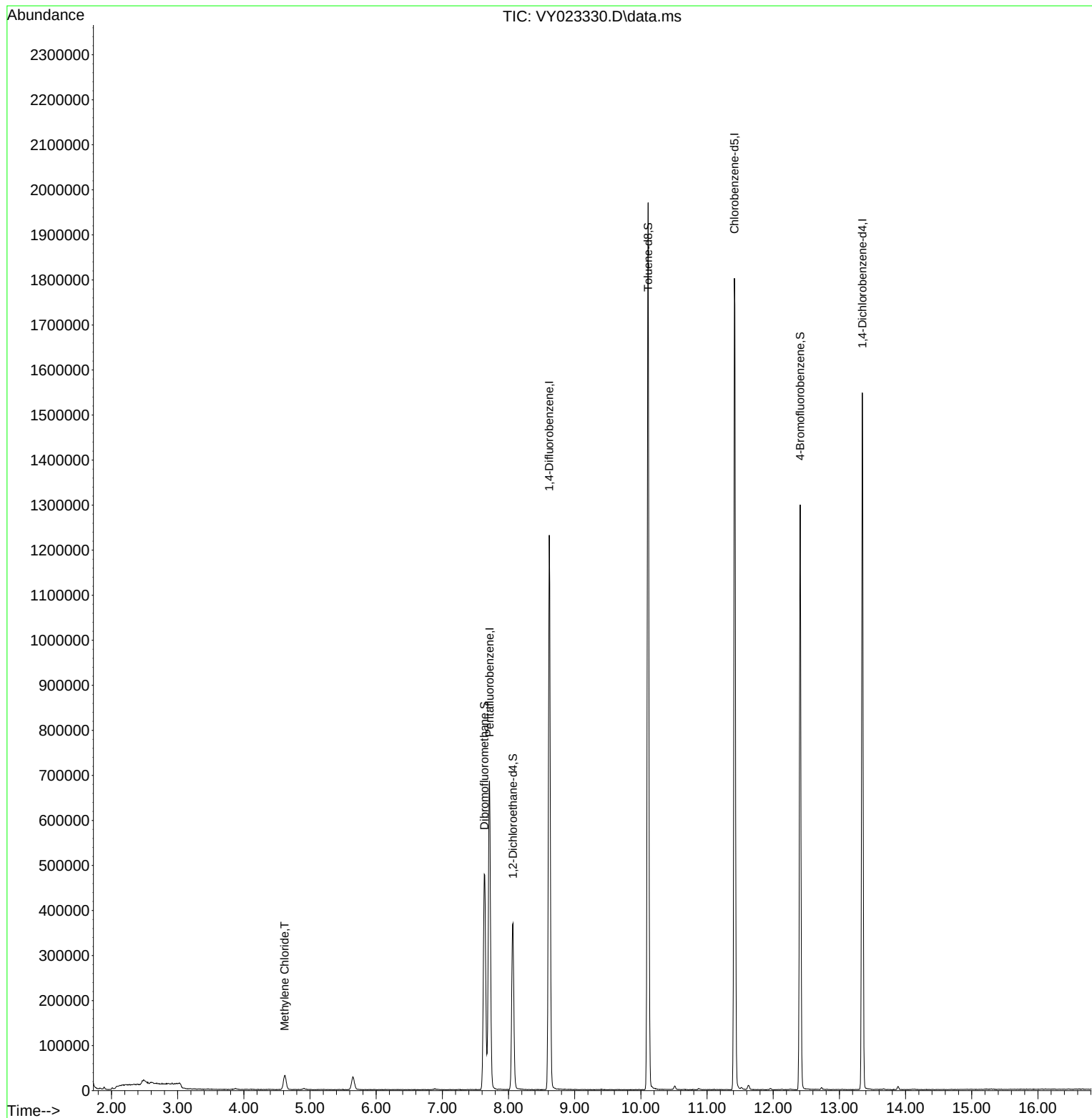
Internal Standards						
1) Pentafluorobenzene	7.713	168	566690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1084992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	997278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	405221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	296029	59.448	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.900%
35) Dibromofluoromethane	7.634	113	354989	53.525	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.060%
50) Toluene-d8	10.109	98	1299730	51.899	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.800%
62) 4-Bromofluorobenzene	12.408	95	383685	48.684	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.360%
Target Compounds						
						Qvalue
20) Methylene Chloride	4.616	84	24965	4.114	ug/l	92

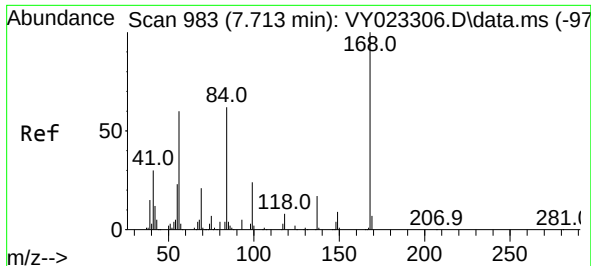
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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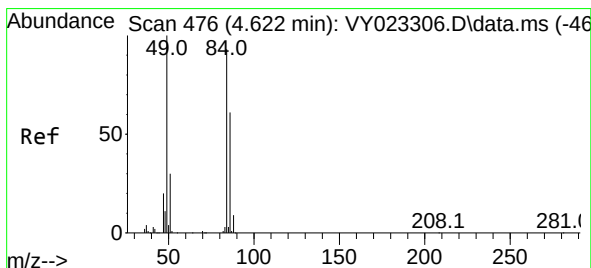
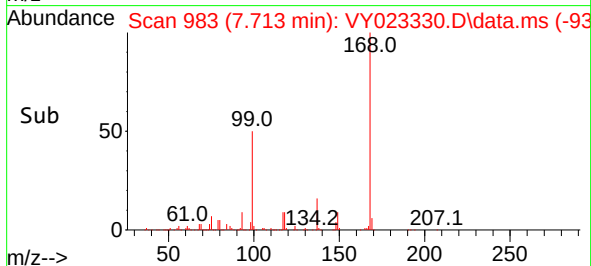
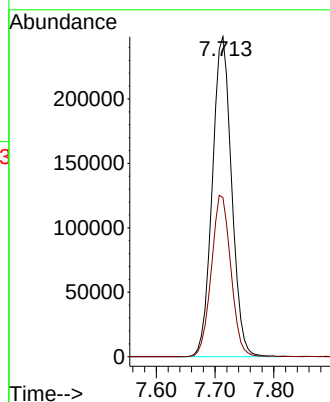
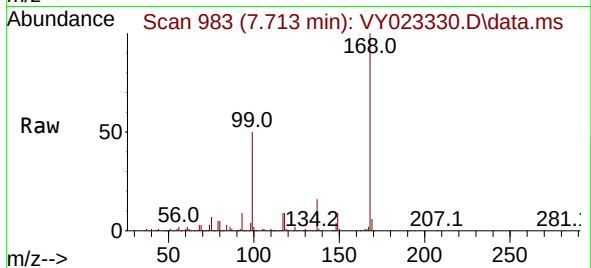




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023330.D
Acq: 10 Sep 2025 14:02

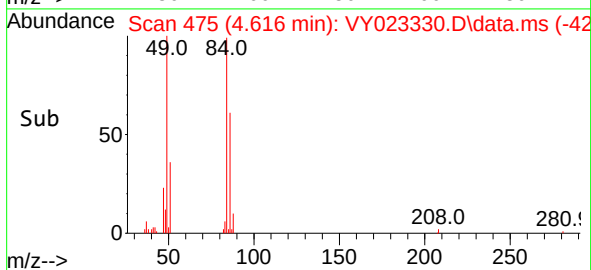
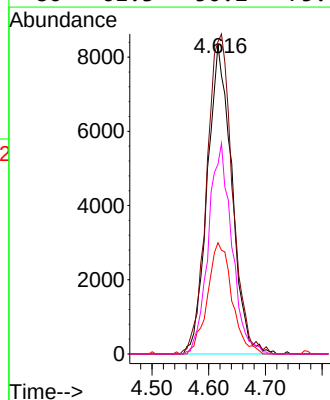
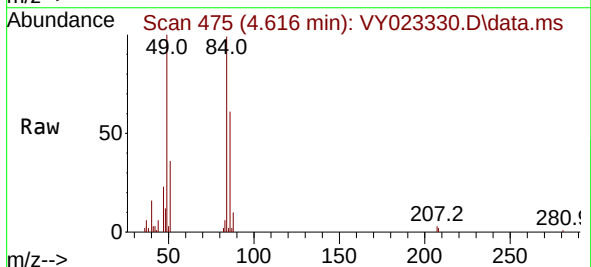
Instrument :
MSVOA_Y
ClientSampleId :
354

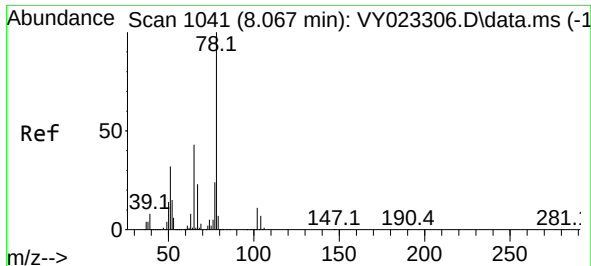
Tgt Ion:168 Resp: 566690
Ion Ratio Lower Upper
168 100
99 49.7 42.8 64.2



#20
Methylene Chloride
Concen: 4.114 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023330.D
Acq: 10 Sep 2025 14:02

Tgt Ion: 84 Resp: 24965
Ion Ratio Lower Upper
84 100
49 101.0 93.0 139.6
51 36.0 29.0 43.4
86 61.3 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 59.448 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. 0.012 min

Lab File: VY023330.D

Acq: 10 Sep 2025 14:02

Instrument :

MSVOA_Y

ClientSampleId :

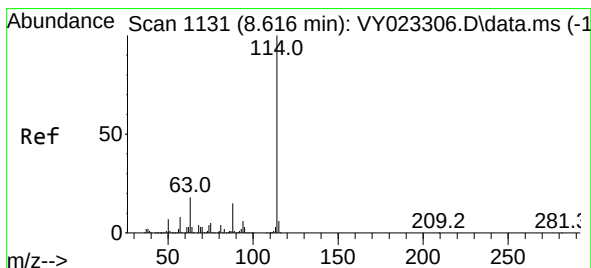
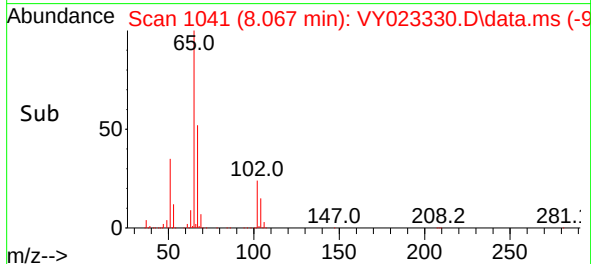
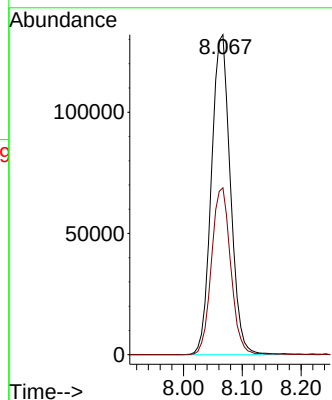
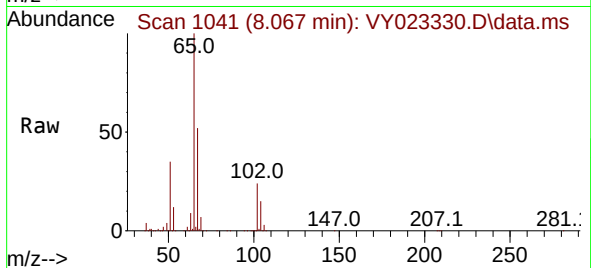
354

Tgt Ion: 65 Resp: 296029

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023330.D

Acq: 10 Sep 2025 14:02

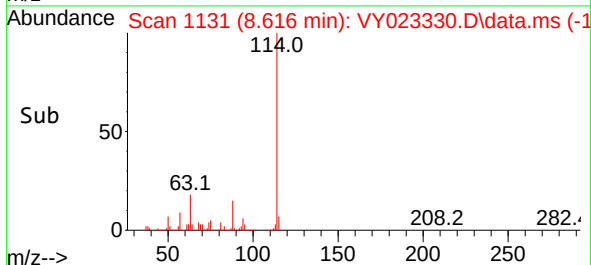
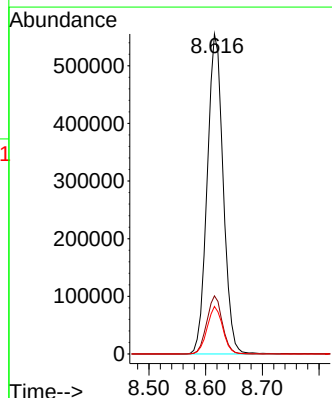
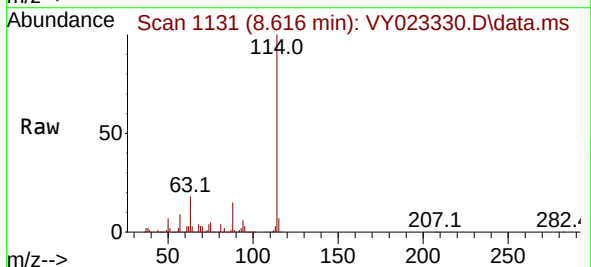
Tgt Ion:114 Resp: 1084992

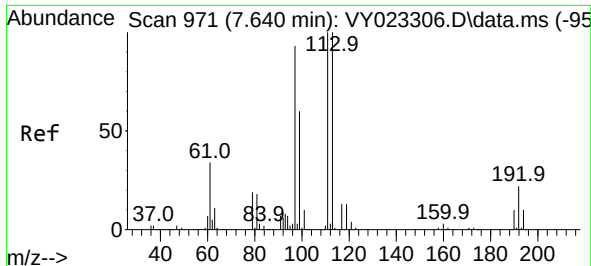
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 14.8 0.0 30.0

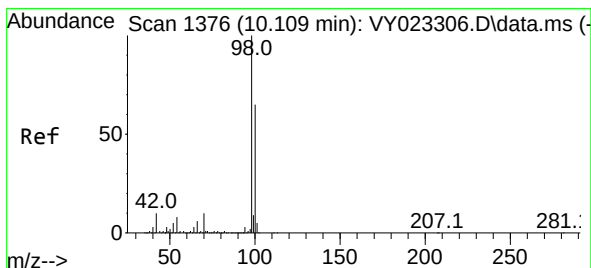
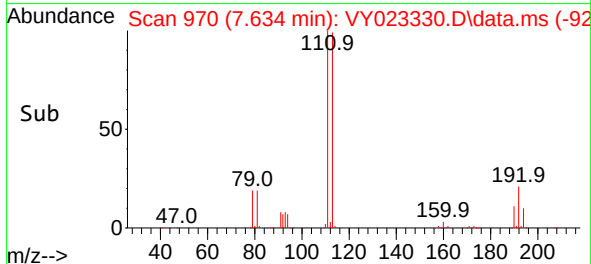
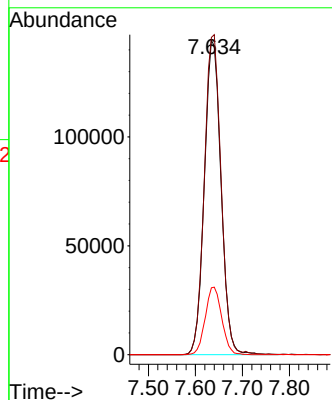
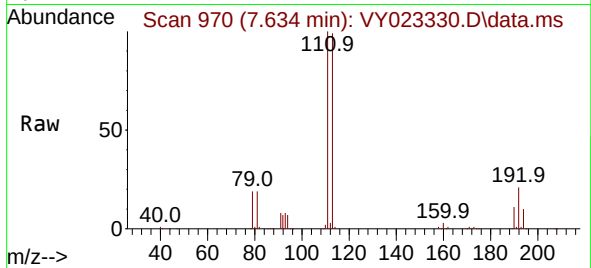




#35
Dibromofluoromethane
Concen: 53.525 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023330.D
Acq: 10 Sep 2025 14:02

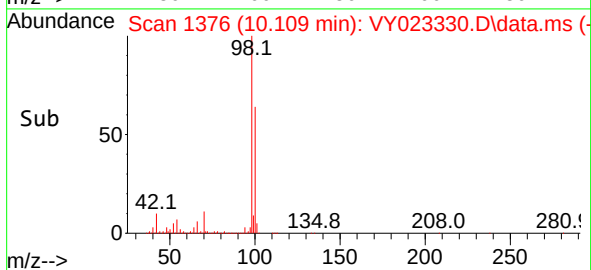
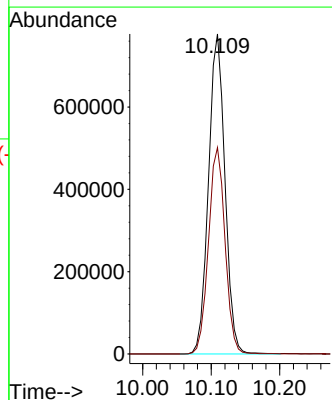
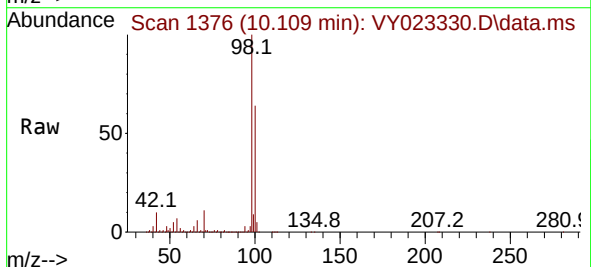
Instrument :
MSVOA_Y
ClientSampleId :
354

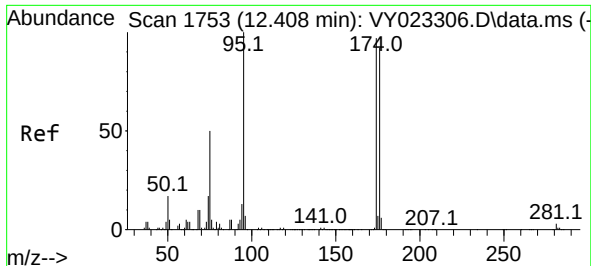
Tgt Ion:113 Resp: 354989
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 21.2 16.2 24.4



#50
Toluene-d8
Concen: 51.899 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023330.D
Acq: 10 Sep 2025 14:02

Tgt Ion: 98 Resp: 1299730
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

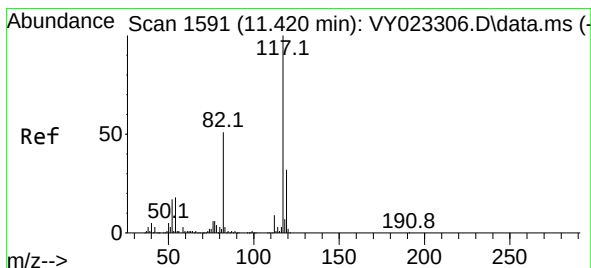
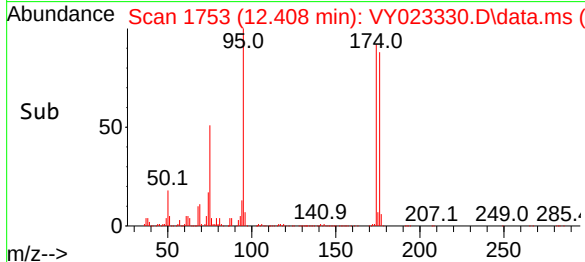
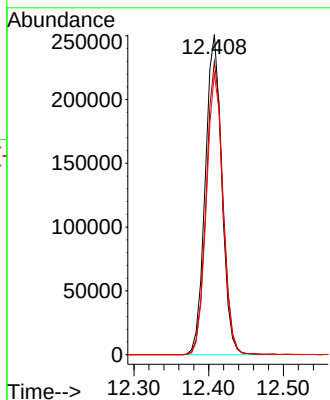
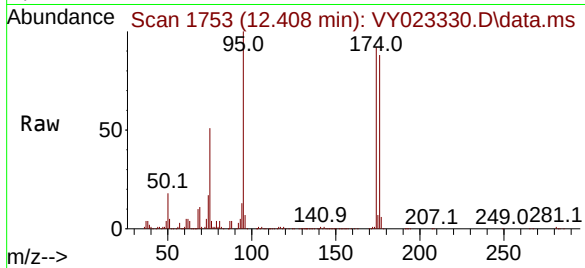




#62
4-Bromofluorobenzene
Concen: 48.684 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023330.D
Acq: 10 Sep 2025 14:02

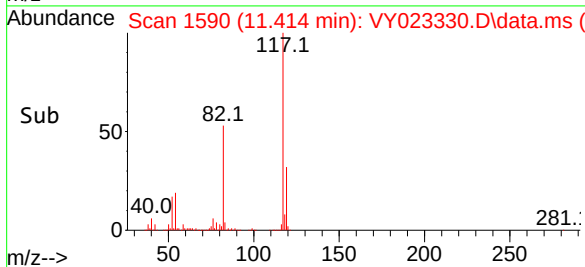
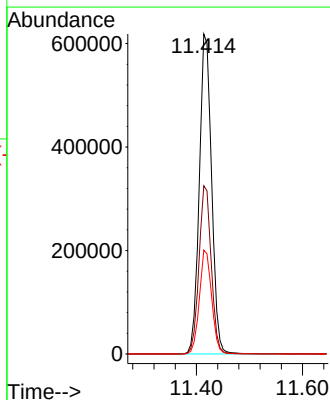
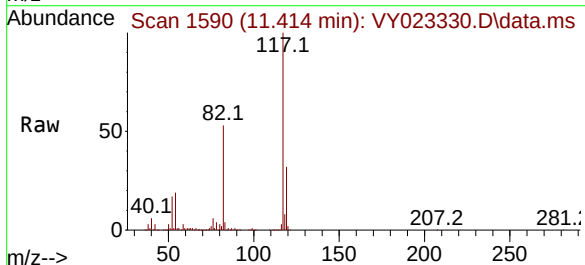
Instrument :
MSVOA_Y
ClientSampleId :
354

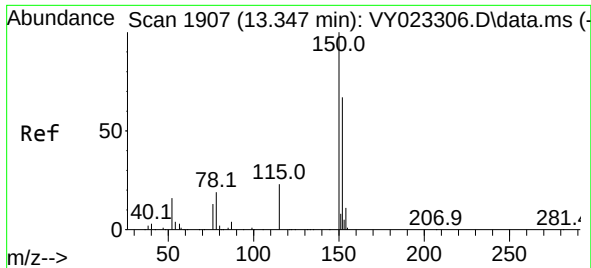
Tgt Ion: 95 Resp: 383685
Ion Ratio Lower Upper
95 100
174 93.1 0.0 171.6
176 88.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023330.D
Acq: 10 Sep 2025 14:02

Tgt Ion: 117 Resp: 997278
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 32.5 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023330.D

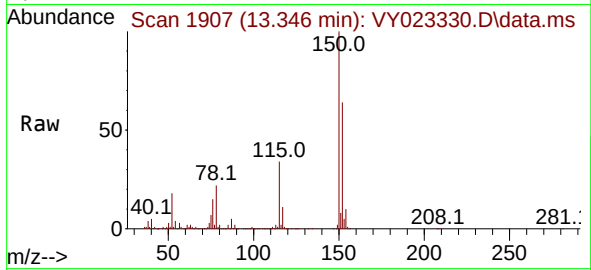
Acq: 10 Sep 2025 14:02

Instrument :

MSVOA_Y

ClientSampleId :

354



Tgt Ion:152 Resp: 405221

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.6

150 156.8 0.0 348.0

