

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
 Data File : VY021579.D
 Acq On : 20 Mar 2025 14:01
 Operator : SY/MD
 Sample : Q1606-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251346

Quant Time: Mar 21 01:33:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

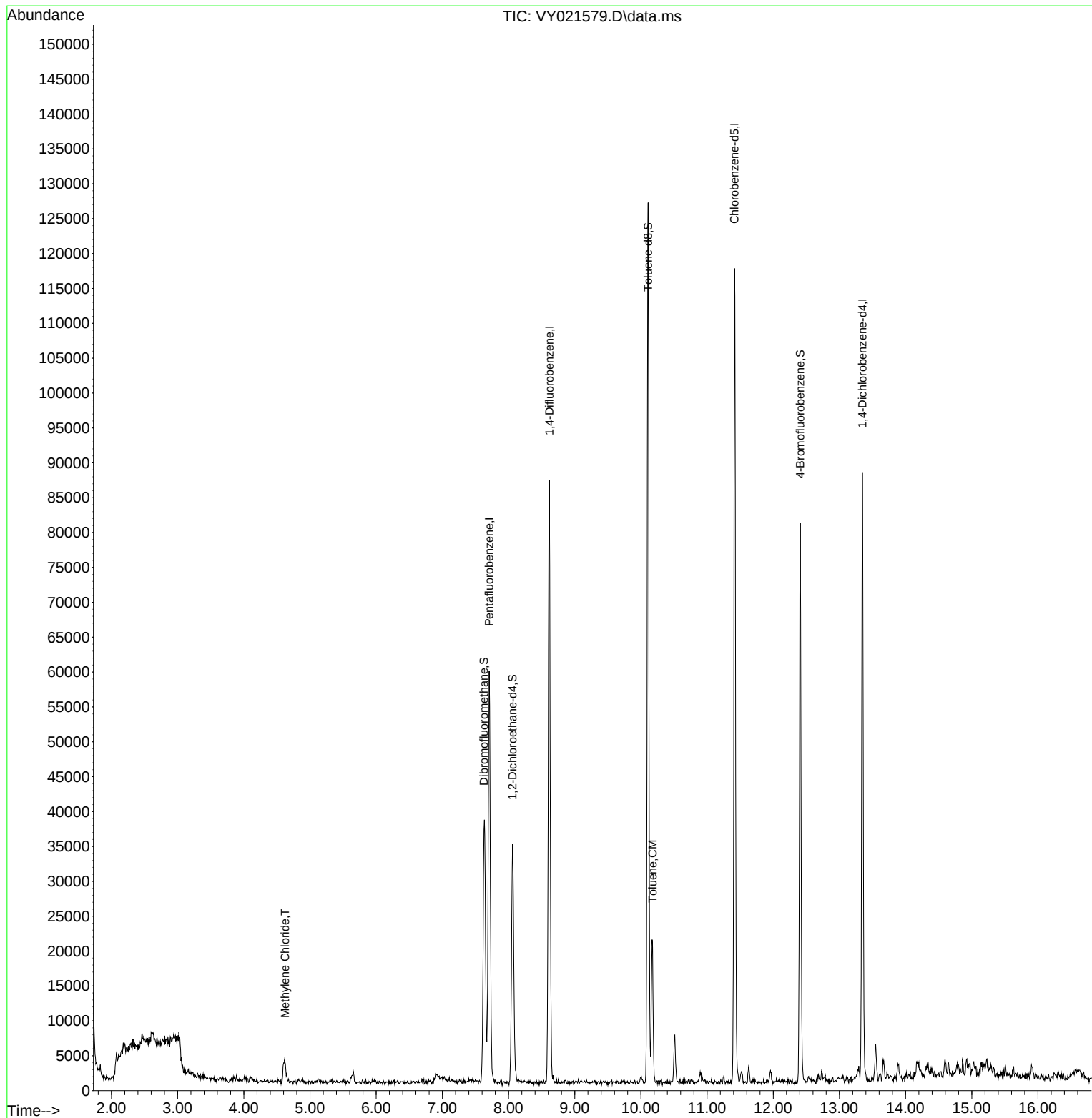
Internal Standards						
1) Pentafluorobenzene	7.707	168	42401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	70246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	61541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	20880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25536	56.981	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.960%
35) Dibromofluoromethane	7.628	113	27324	59.177	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	118.360%
50) Toluene-d8	10.109	98	82901	47.418	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.840%
62) 4-Bromofluorobenzene	12.408	95	23268	39.126	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.260%
Target Compounds						Qvalue
20) Methylene Chloride	4.622	84	1929	3.760	ug/l	89
52) Toluene	10.176	92	8115	6.046	ug/l	97

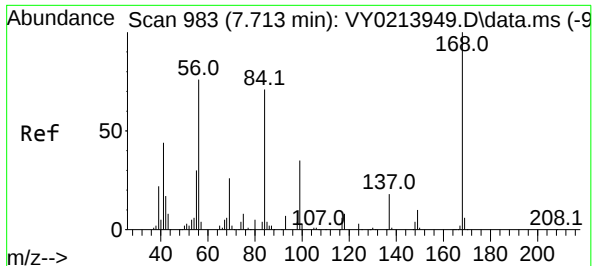
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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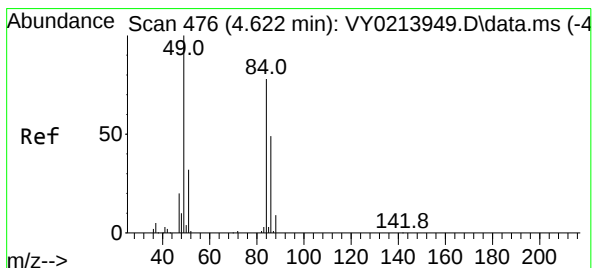
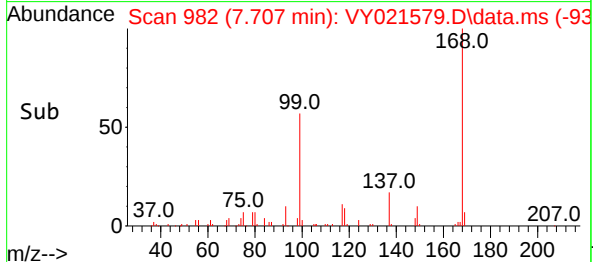
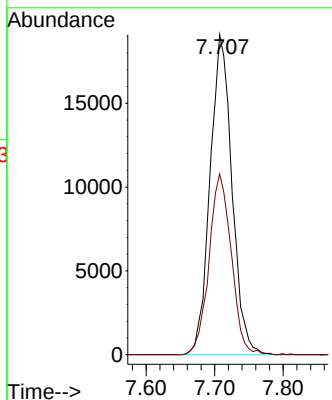
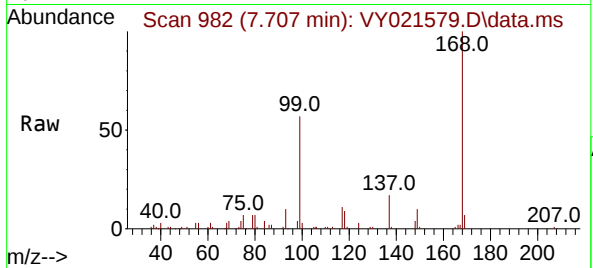




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021579.D
Acq: 20 Mar 2025 14:01

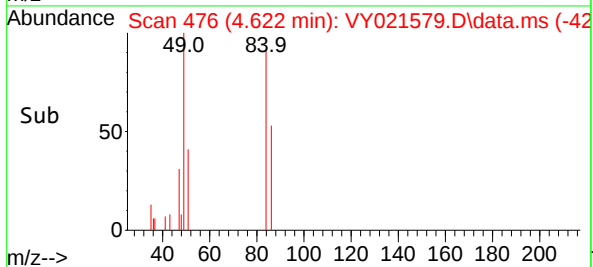
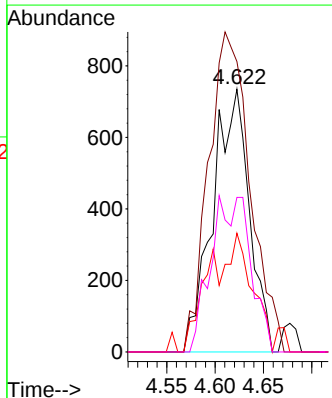
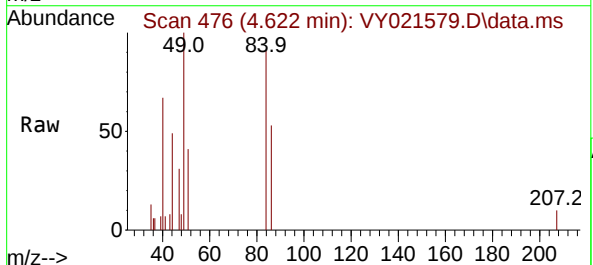
Instrument :
MSVOA_Y
ClientSampleId :
RBR251346

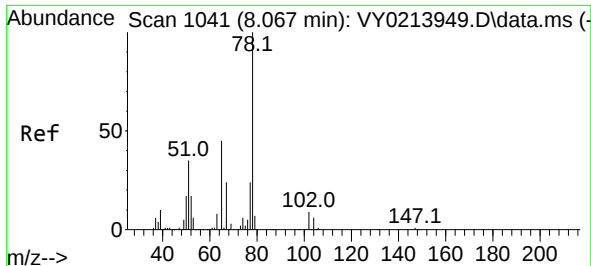
Tgt Ion:168 Resp: 42401
Ion Ratio Lower Upper
168 100
99 56.5 46.0 69.0



#20
Methylene Chloride
Concen: 3.760 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021579.D
Acq: 20 Mar 2025 14:01

Tgt Ion: 84 Resp: 1929
Ion Ratio Lower Upper
84 100
49 110.5 102.0 153.0
51 45.2 33.0 49.6
86 58.8 50.5 75.7





#33

1,2-Dichloroethane-d4

Concen: 56.981 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021579.D

Acq: 20 Mar 2025 14:01

Instrument :

MSVOA_Y

ClientSampleId :

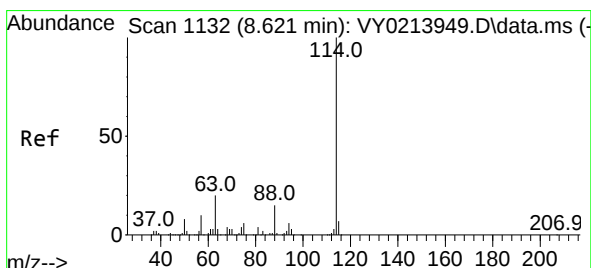
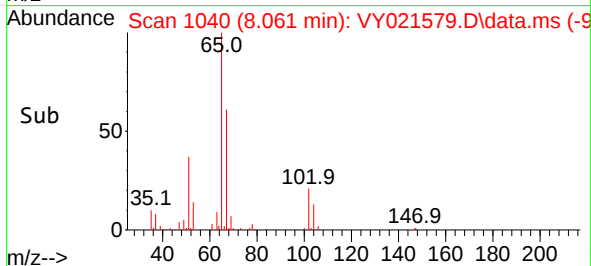
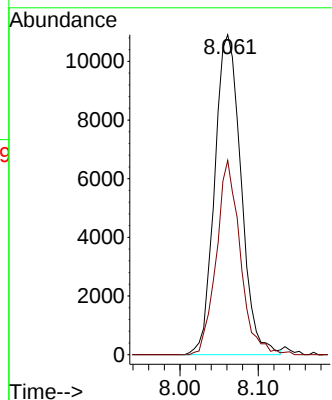
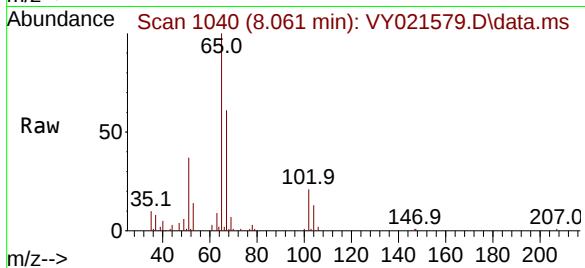
RBR251346

Tgt Ion: 65 Resp: 25536

Ion Ratio Lower Upper

65 100

67 55.2 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021579.D

Acq: 20 Mar 2025 14:01

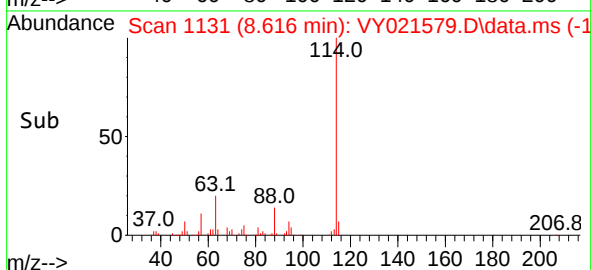
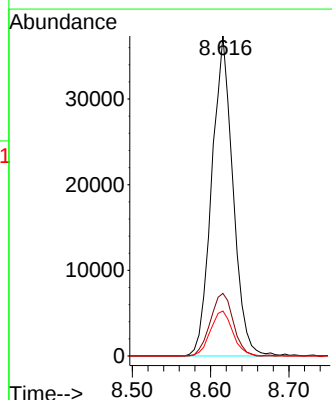
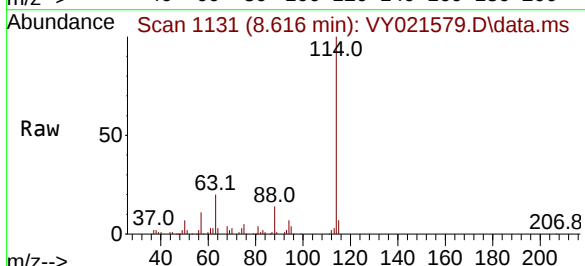
Tgt Ion: 114 Resp: 70246

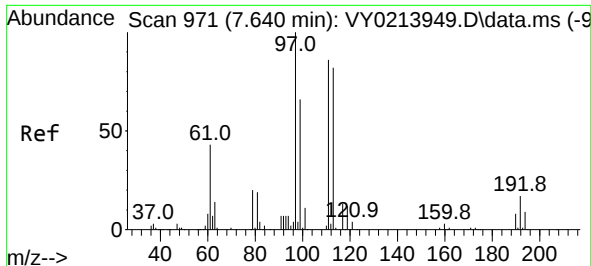
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 14.1 0.0 30.8

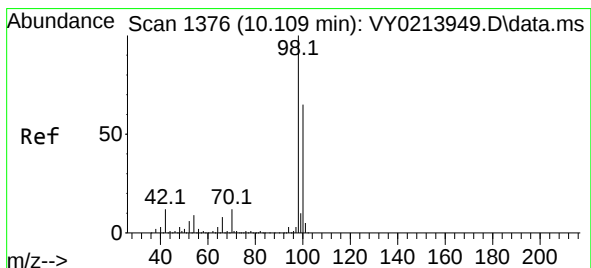
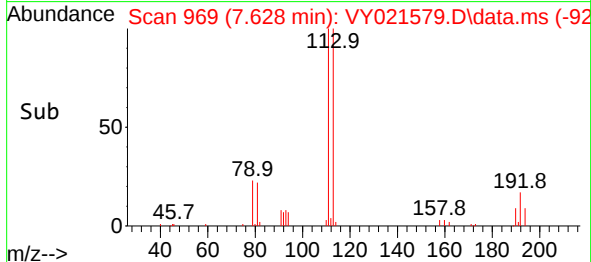
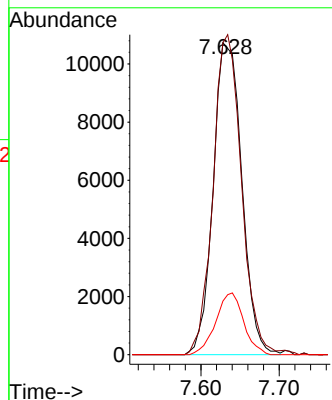
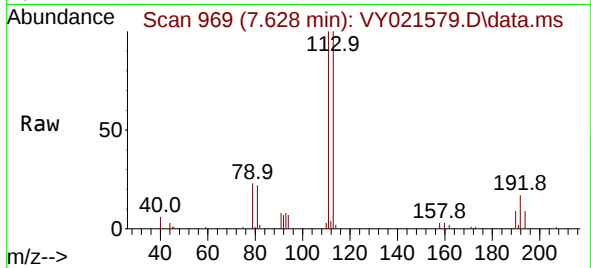




#35
 Dibromofluoromethane
 Concen: 59.177 ug/l
 RT: 7.628 min Scan# 91
 Delta R.T. -0.012 min
 Lab File: VY021579.D
 Acq: 20 Mar 2025 14:01

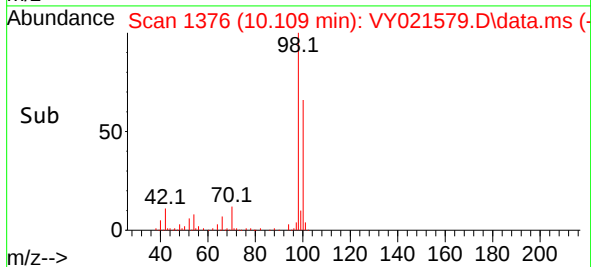
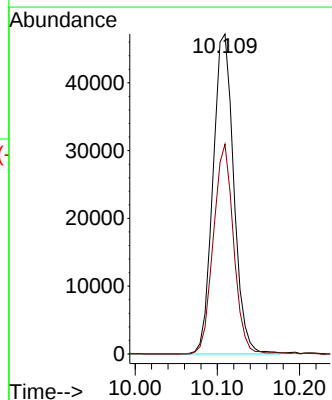
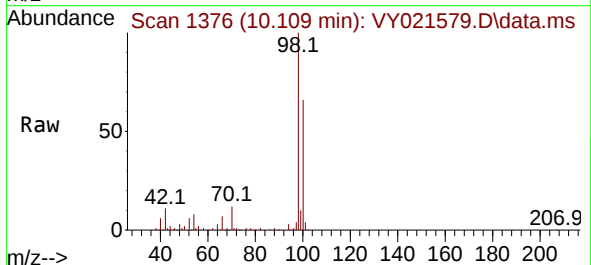
Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251346

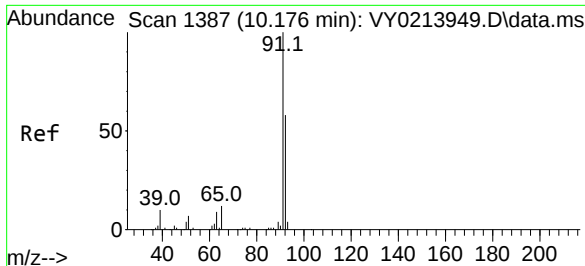
Tgt Ion:113 Resp: 27324
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.0 123.0
 192 19.3 15.9 23.9



#50
 Toluene-d8
 Concen: 47.418 ug/l
 RT: 10.109 min Scan# 1376
 Delta R.T. 0.000 min
 Lab File: VY021579.D
 Acq: 20 Mar 2025 14:01

Tgt Ion: 98 Resp: 82901
 Ion Ratio Lower Upper
 98 100
 100 63.6 52.1 78.1

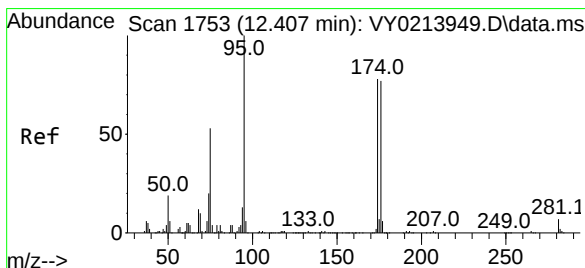
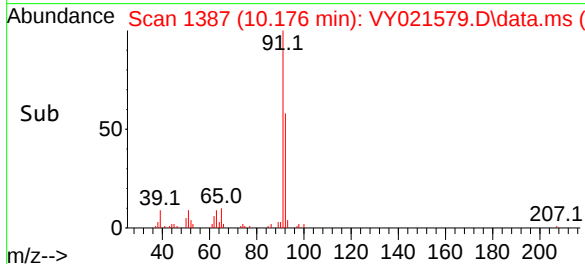
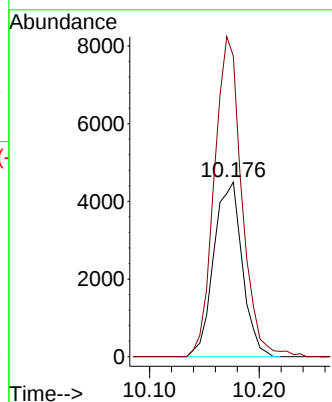
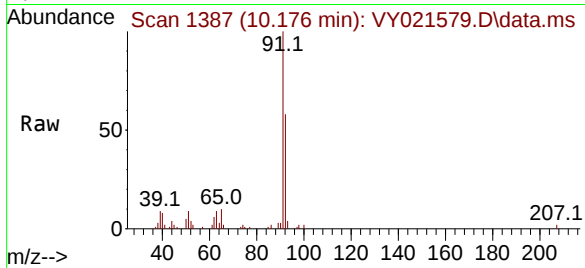




#52
Toluene
Concen: 6.046 ug/l
RT: 10.176 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021579.D
Acq: 20 Mar 2025 14:01

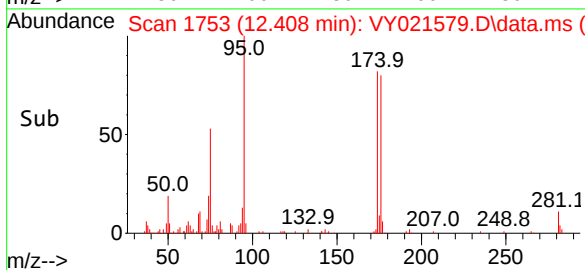
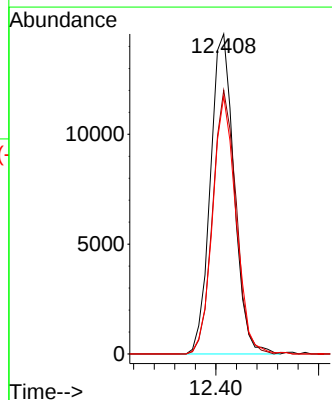
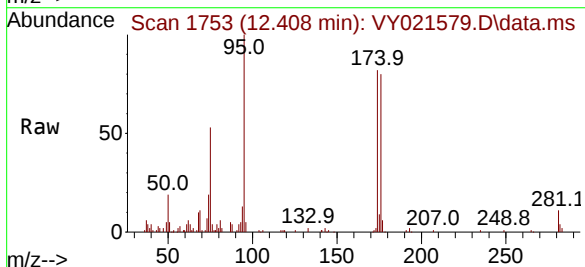
Instrument :
MSVOA_Y
ClientSampleId :
RBR251346

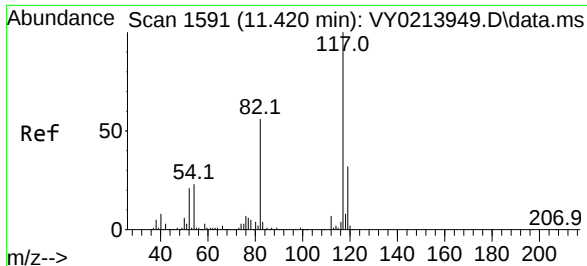
Tgt Ion: 92 Resp: 8115
Ion Ratio Lower Upper
92 100
91 177.3 138.2 207.2



#62
4-Bromofluorobenzene
Concen: 39.126 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021579.D
Acq: 20 Mar 2025 14:01

Tgt Ion: 95 Resp: 23268
Ion Ratio Lower Upper
95 100
174 81.3 0.0 165.0
176 79.7 0.0 160.0

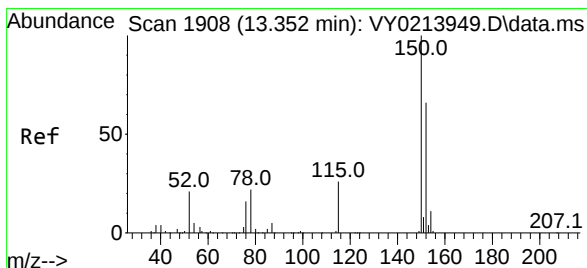
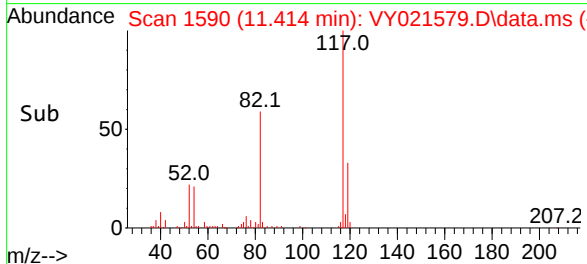
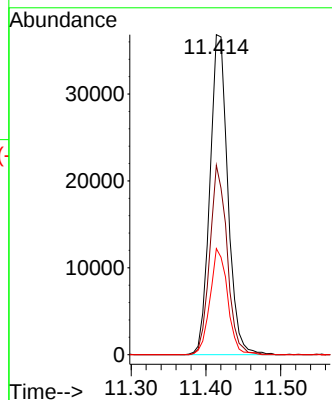
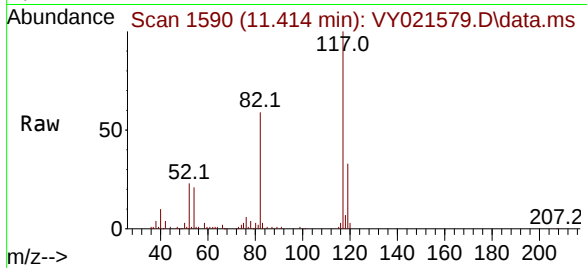




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY021579.D
Acq: 20 Mar 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :
RBR251346

Tgt Ion:117 Resp: 61541
Ion Ratio Lower Upper
117 100
82 59.2 44.6 67.0
119 33.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021579.D
Acq: 20 Mar 2025 14:01

Tgt Ion:152 Resp: 20880
Ion Ratio Lower Upper
152 100
115 60.4 29.0 87.0
150 161.6 0.0 347.2

