

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022819.D
 Acq On : 25 Jun 2025 12:58
 Operator : SY/MD
 Sample : Q2413-01
 Misc : 6.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-35

Quant Time: Jun 26 01:25:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

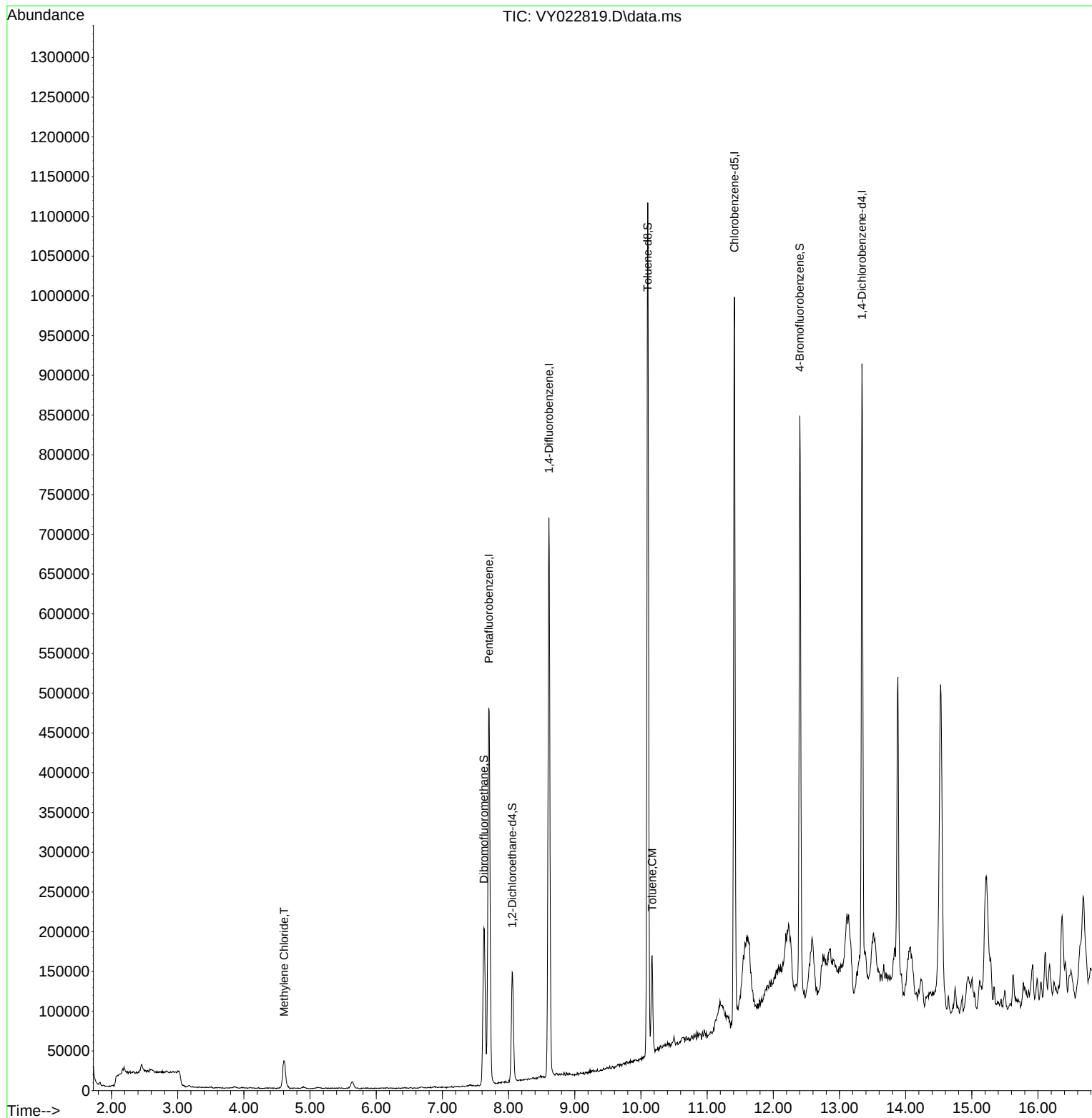
Internal Standards						
1) Pentafluorobenzene	7.701	168	364868	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	594692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	465645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	185932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	110673	27.177	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	54.360%
35) Dibromofluoromethane	7.628	113	142685	39.452	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.900%
50) Toluene-d8	10.103	98	688461	47.972	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.940%
62) 4-Bromofluorobenzene	12.401	95	193232	41.884	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.760%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	26230	5.396	ug/l	98
52) Toluene	10.170	92	49656	4.670	ug/l	96

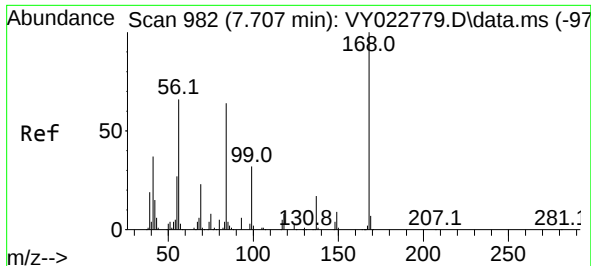
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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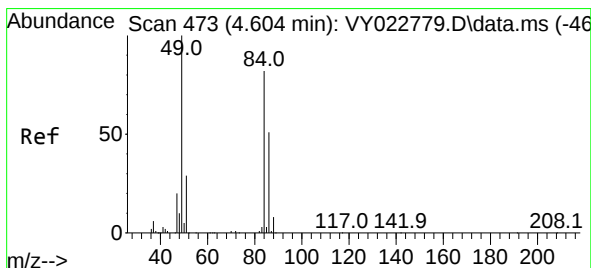
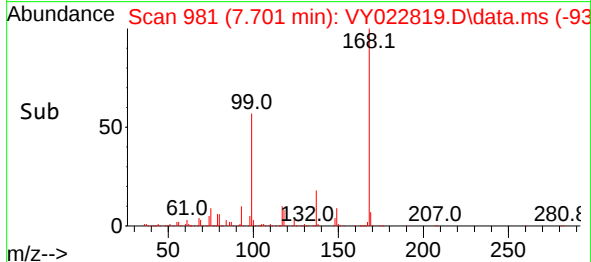
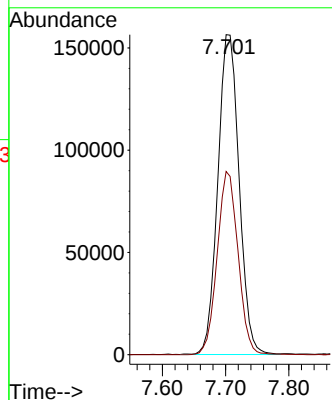
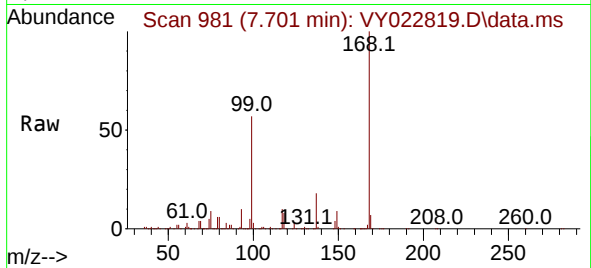




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

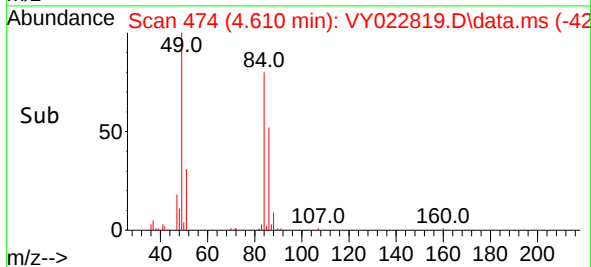
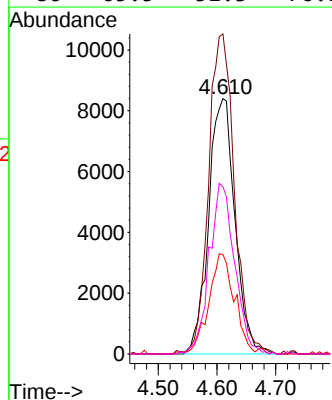
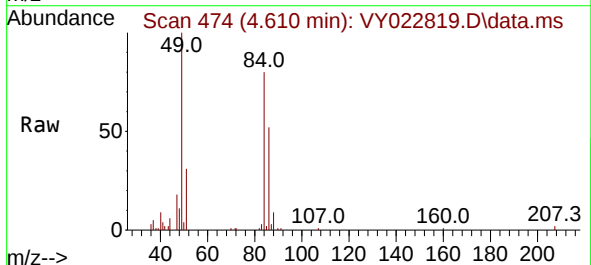
Instrument :
MSVOA_Y
ClientSampleId :
TP-35

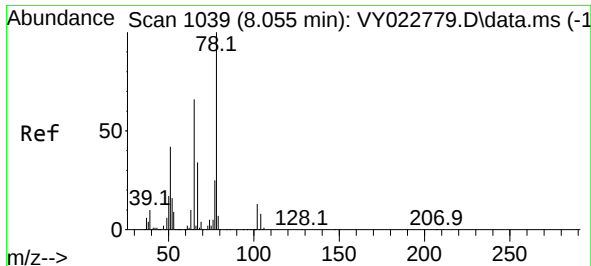
Tgt Ion:168 Resp: 364868
Ion Ratio Lower Upper
168 100
99 57.3 44.3 66.5



#20
Methylene Chloride
Concen: 5.396 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.013 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

Tgt Ion: 84 Resp: 26230
Ion Ratio Lower Upper
84 100
49 125.3 101.9 152.9
51 39.0 29.8 44.8
86 65.5 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 27.177 ug/l

RT: 8.054 min Scan# 1106

Delta R.T. -0.013 min

Lab File: VY022819.D

Acq: 25 Jun 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

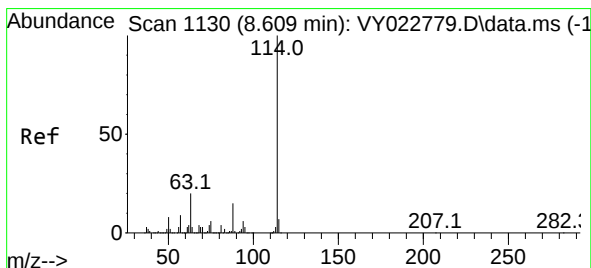
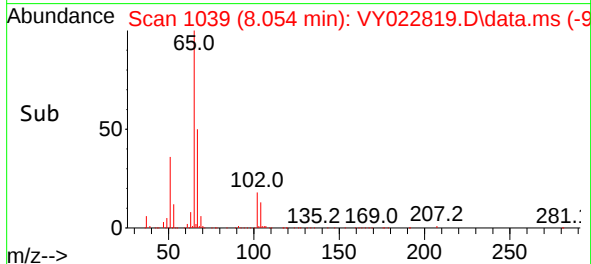
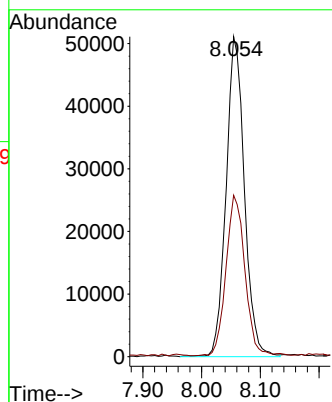
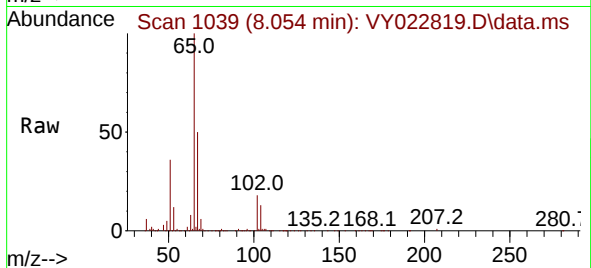
TP-35

Tgt Ion: 65 Resp: 110673

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022819.D

Acq: 25 Jun 2025 12:58

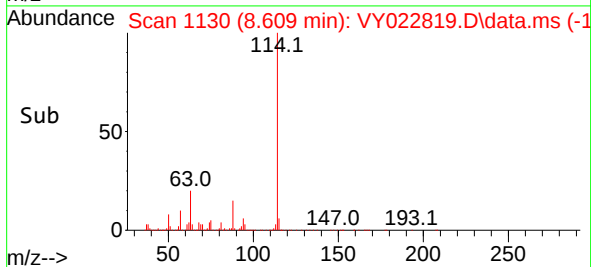
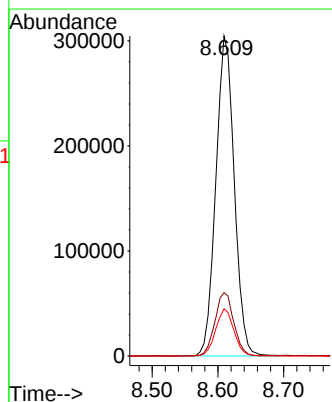
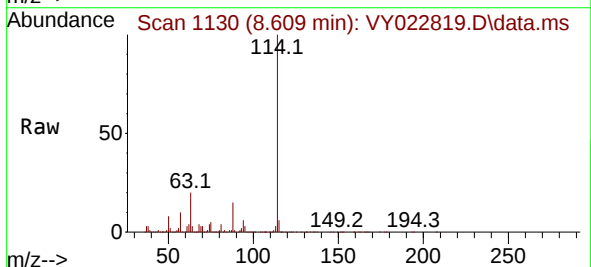
Tgt Ion: 114 Resp: 594692

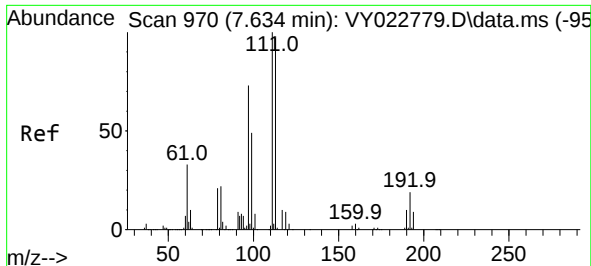
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 14.8 0.0 27.8

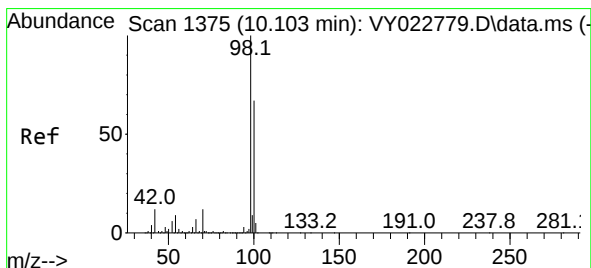
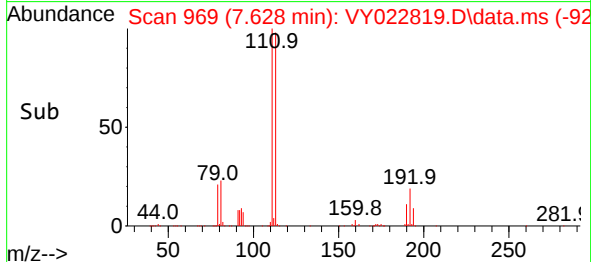
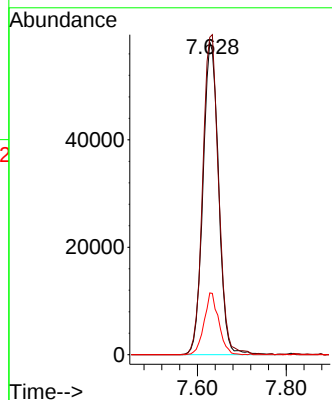
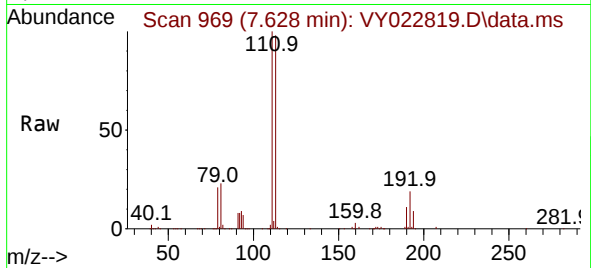




#35
Dibromofluoromethane
Concen: 39.452 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.013 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

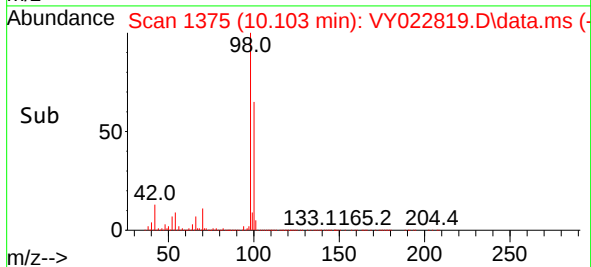
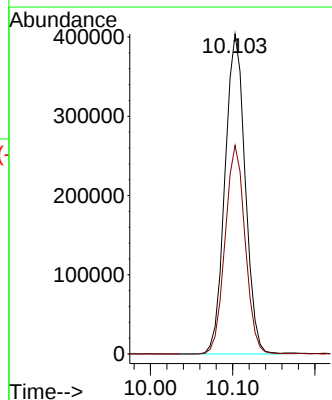
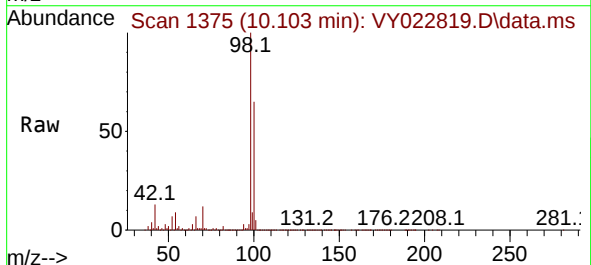
Instrument :
MSVOA_Y
ClientSampleId :
TP-35

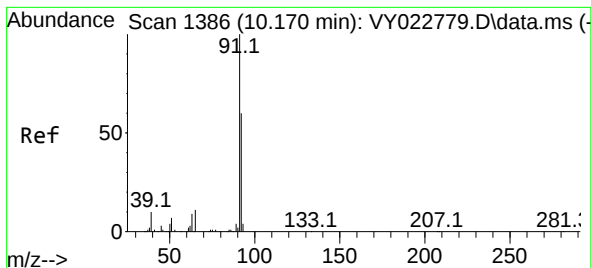
Tgt Ion:113 Resp: 142685
Ion Ratio Lower Upper
113 100
111 103.9 81.1 121.7
192 18.5 14.2 21.2



#50
Toluene-d8
Concen: 47.972 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

Tgt Ion: 98 Resp: 688461
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0





#52

Toluene

Concen: 4.670 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VY022819.D

Acq: 25 Jun 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :

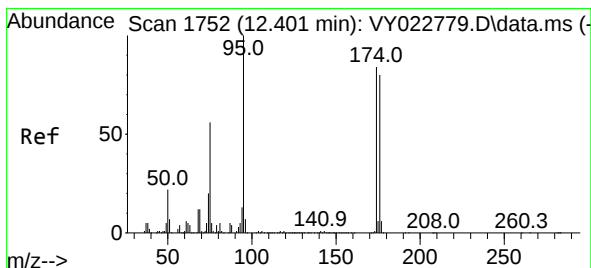
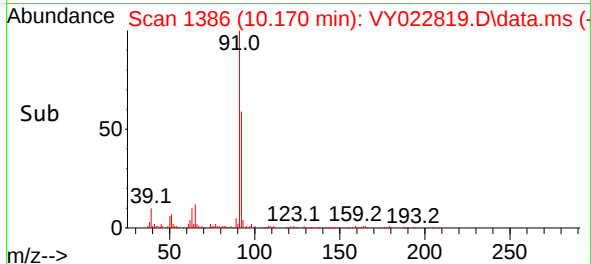
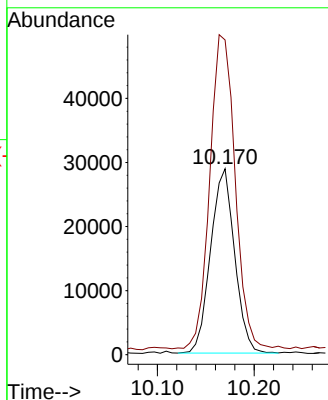
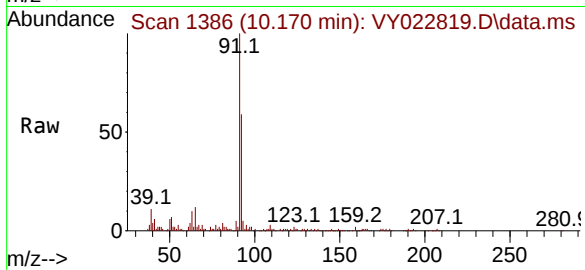
TP-35

Tgt Ion: 92 Resp: 49656

Ion Ratio Lower Upper

92 100

91 179.3 139.0 208.4



#62

4-Bromofluorobenzene

Concen: 41.884 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022819.D

Acq: 25 Jun 2025 12:58

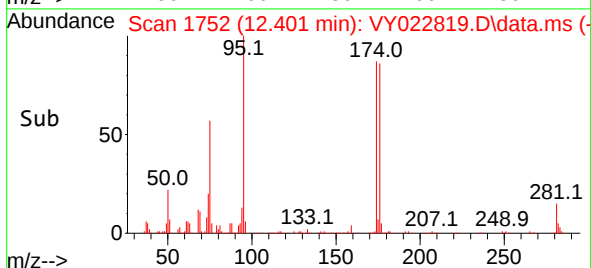
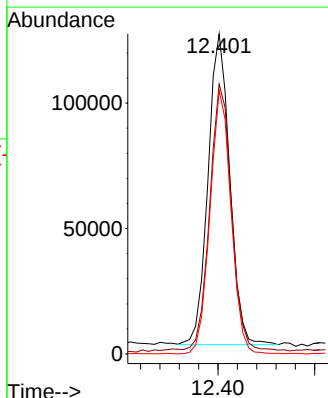
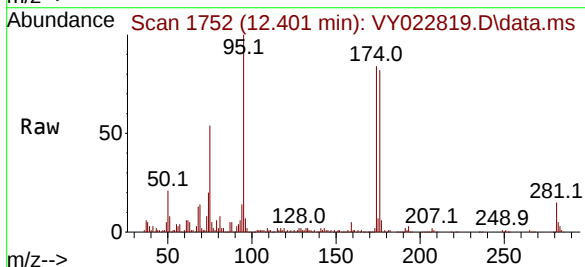
Tgt Ion: 95 Resp: 193232

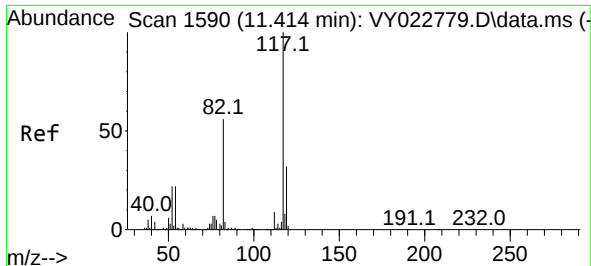
Ion Ratio Lower Upper

95 100

174 89.9 0.0 170.0

176 81.8 0.0 166.2

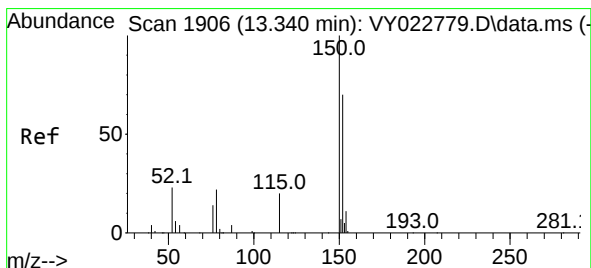
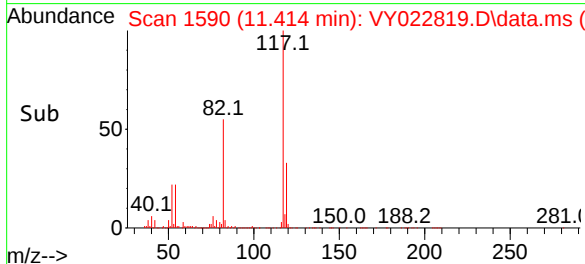
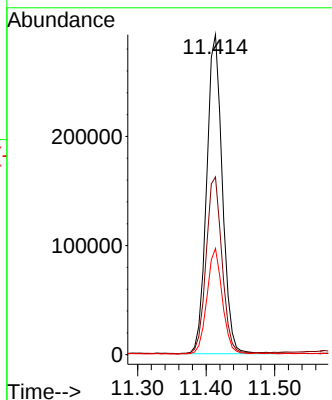
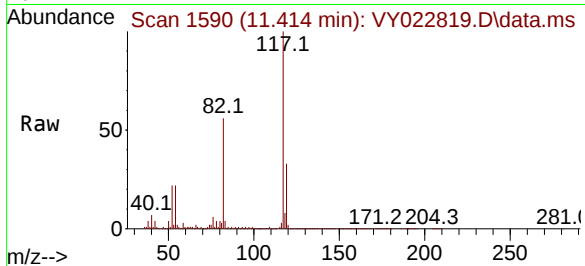




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

Instrument :
MSVOA_Y
ClientSampleId :
TP-35

Tgt Ion:117 Resp: 465645
Ion Ratio Lower Upper
117 100
82 55.5 44.6 66.8
119 33.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022819.D
Acq: 25 Jun 2025 12:58

Tgt Ion:152 Resp: 185932
Ion Ratio Lower Upper
152 100
115 56.0 28.9 86.7
150 157.1 0.0 349.6

