

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022820.D
 Acq On : 25 Jun 2025 13:22
 Operator : SY/MD
 Sample : Q2413-02
 Misc : 6.66g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-34

Quant Time: Jun 26 01:25:24 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)

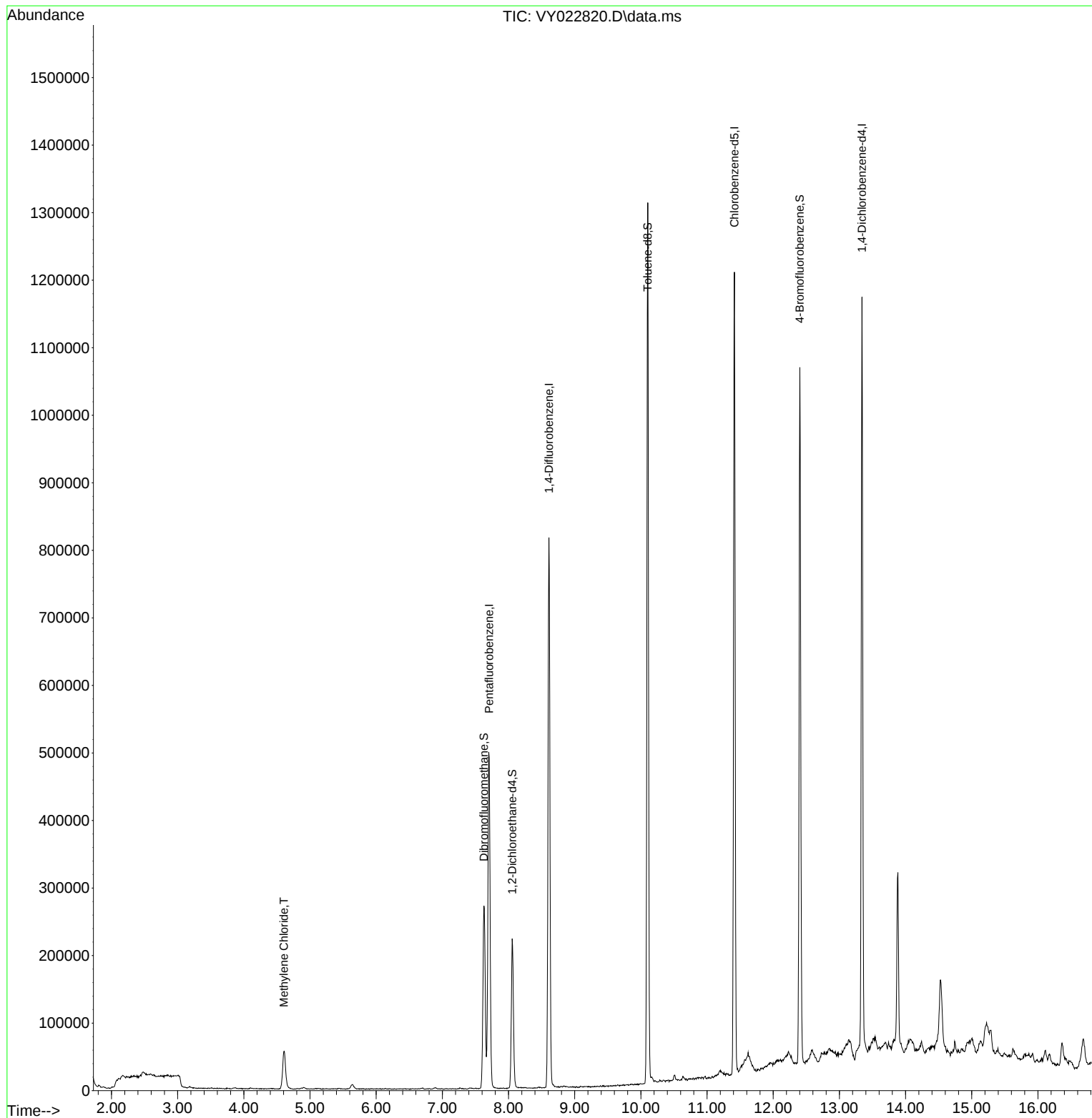
Internal Standards						
1) Pentafluorobenzene	7.707	168	392242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	690772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	622911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	266014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	169438	38.704	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.400%
35) Dibromofluoromethane	7.628	113	193854	46.145	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.300%
50) Toluene-d8	10.103	98	817926	49.066	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.140%
62) 4-Bromofluorobenzene	12.402	95	271200	50.608	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.220%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.604	84	41692	7.979	ug/l	94

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

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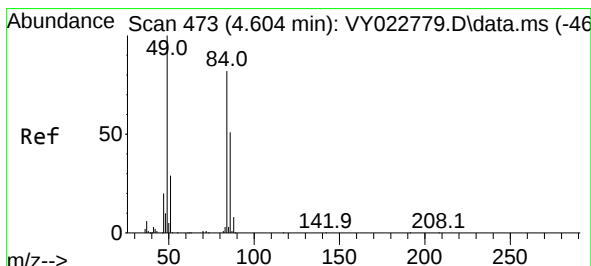
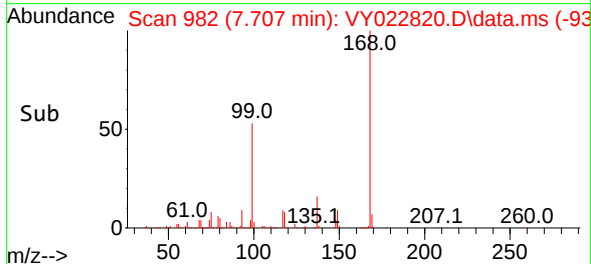
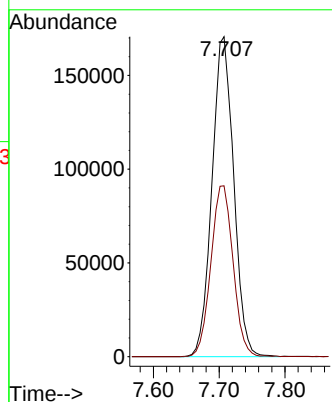
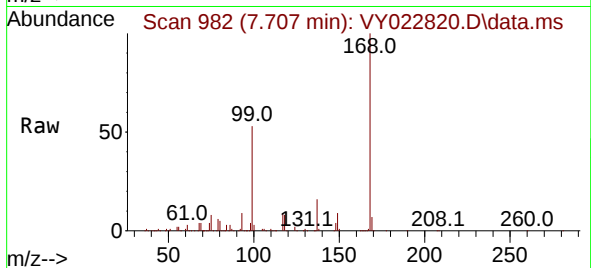




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022820.D
Acq: 25 Jun 2025 13:22

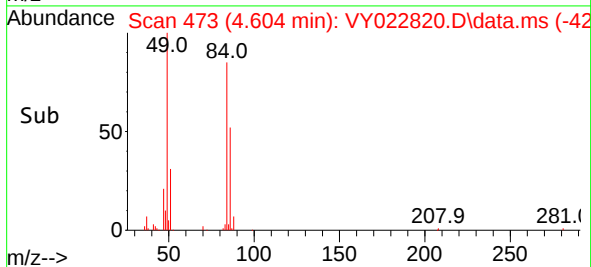
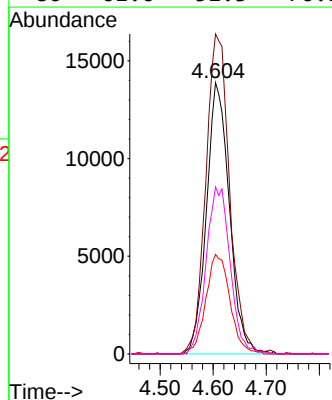
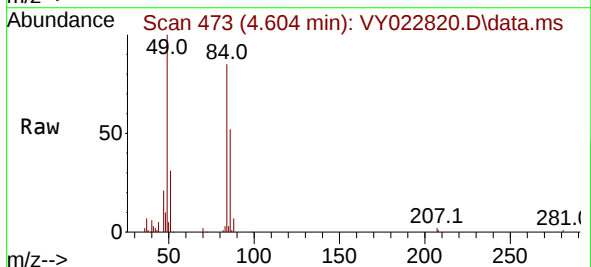
Instrument :
MSVOA_Y
ClientSampleId :
TP-34

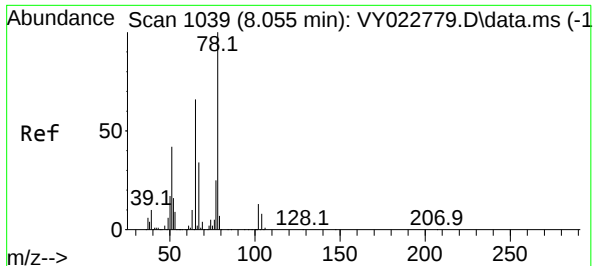
Tgt Ion:168 Resp: 392242
Ion Ratio Lower Upper
168 100
99 53.4 44.3 66.5



#20
Methylene Chloride
Concen: 7.979 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY022820.D
Acq: 25 Jun 2025 13:22

Tgt Ion: 84 Resp: 41692
Ion Ratio Lower Upper
84 100
49 117.9 101.9 152.9
51 36.7 29.8 44.8
86 61.6 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 38.704 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022820.D

Acq: 25 Jun 2025 13:22

Instrument :

MSVOA_Y

ClientSampleId :

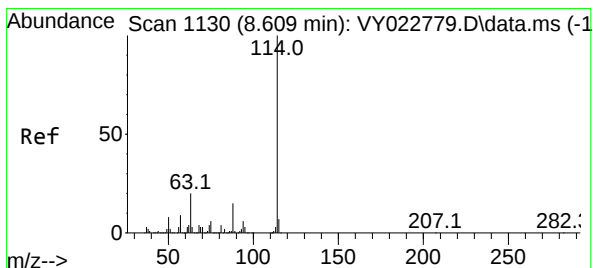
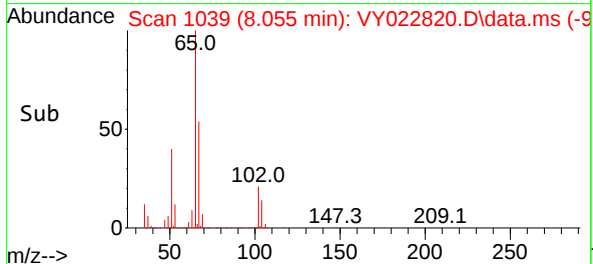
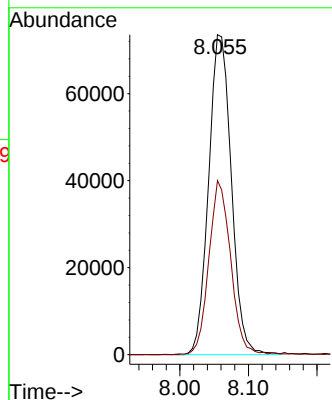
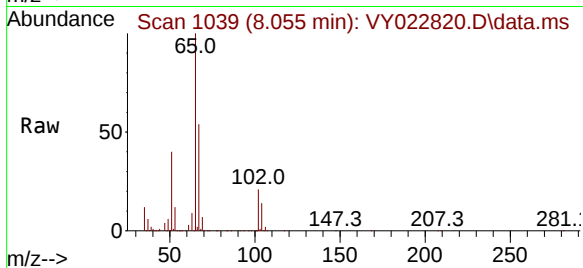
TP-34

Tgt Ion: 65 Resp: 169438

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022820.D

Acq: 25 Jun 2025 13:22

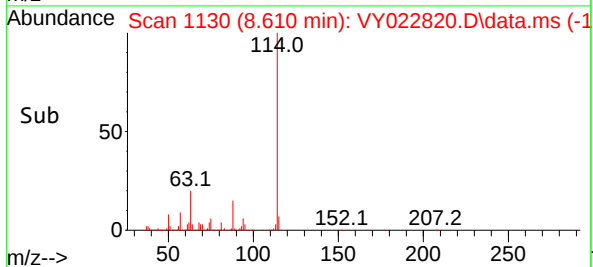
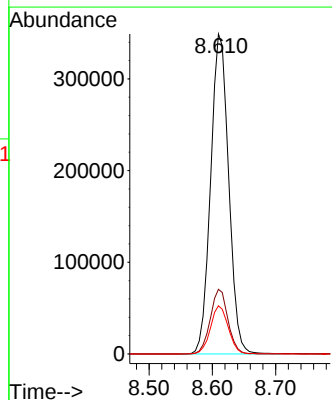
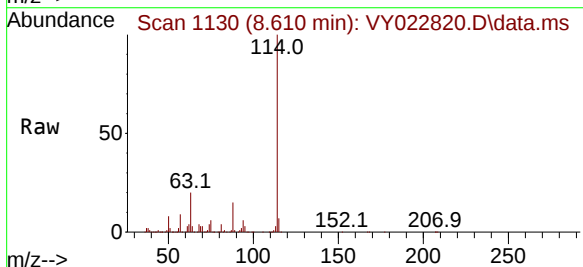
Tgt Ion:114 Resp: 690772

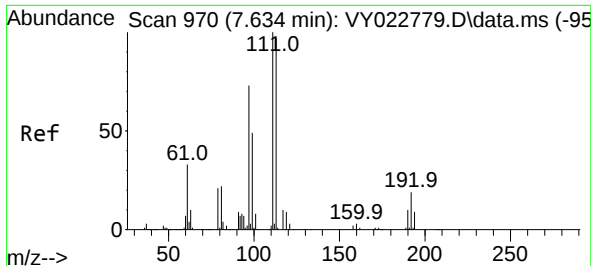
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.0 0.0 27.8

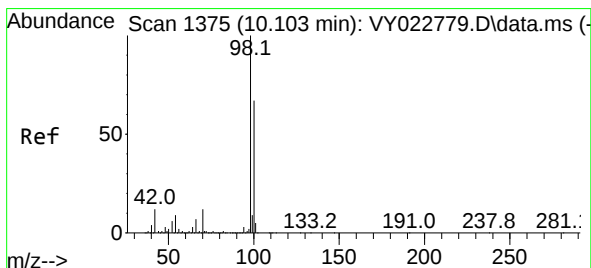
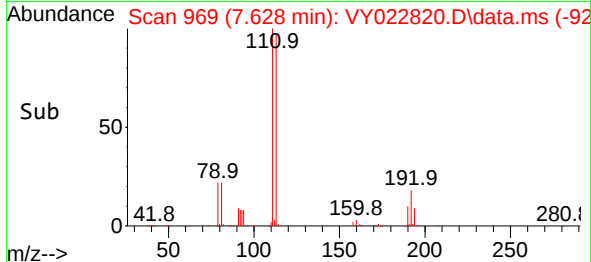
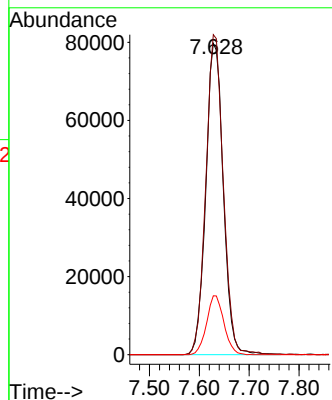
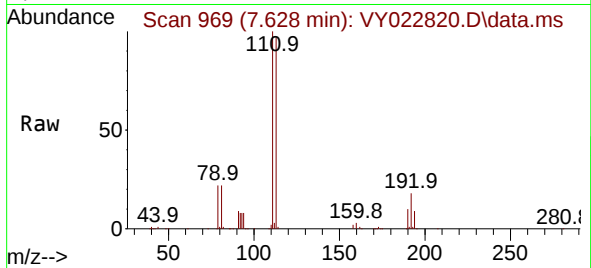




#35
Dibromofluoromethane
Concen: 46.145 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022820.D
Acq: 25 Jun 2025 13:22

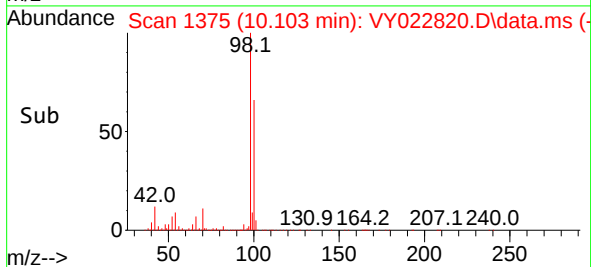
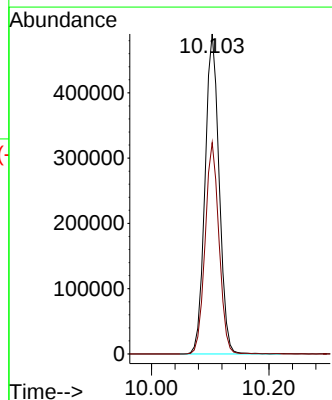
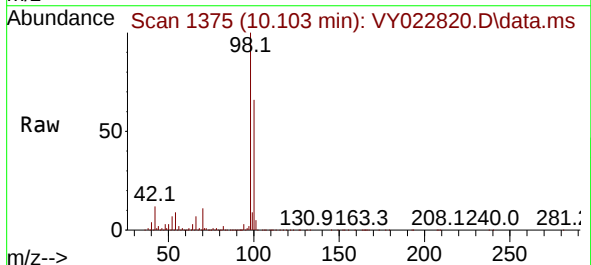
Instrument :
MSVOA_Y
ClientSampleId :
TP-34

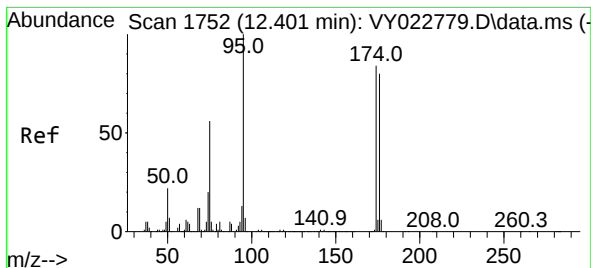
Tgt Ion:113 Resp: 193854
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 18.8 14.2 21.2



#50
Toluene-d8
Concen: 49.066 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022820.D
Acq: 25 Jun 2025 13:22

Tgt Ion: 98 Resp: 817926
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0

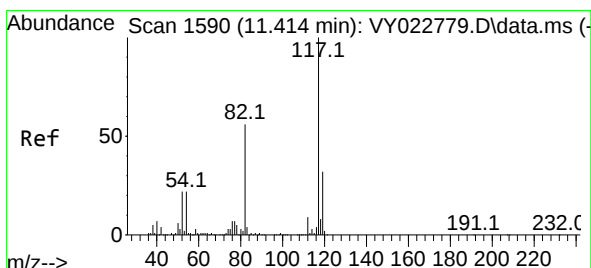
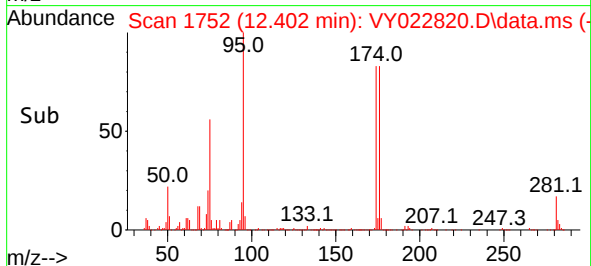
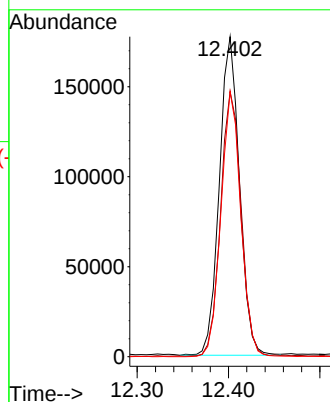
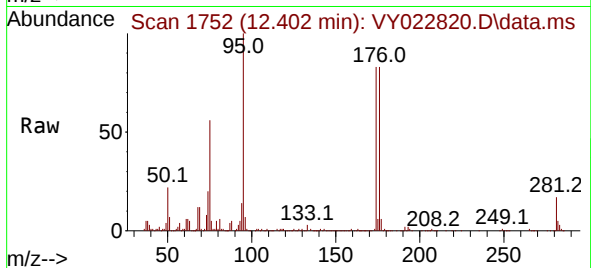




#62
4-Bromofluorobenzene
Concen: 50.608 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022820.D
Acq: 25 Jun 2025 13:22

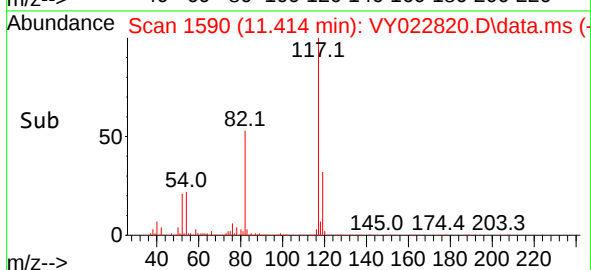
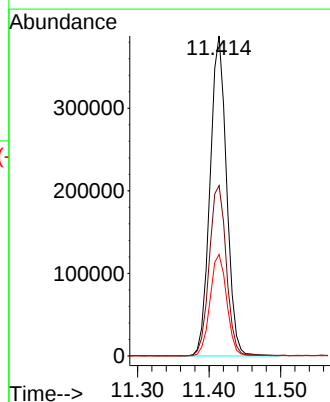
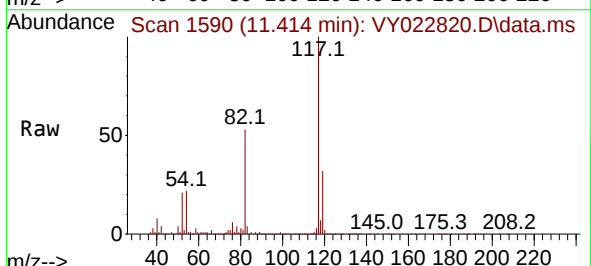
Instrument :
MSVOA_Y
ClientSampleId :
TP-34

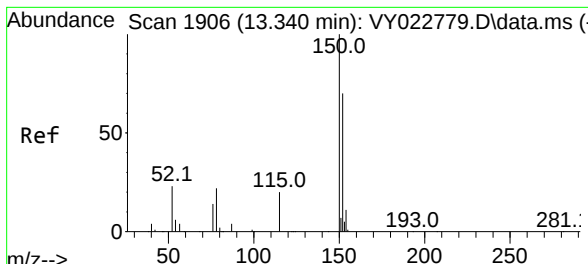
Tgt Ion: 95 Resp: 271200
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.0
176 82.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022820.D
Acq: 25 Jun 2025 13:22

Tgt Ion: 117 Resp: 622911
Ion Ratio Lower Upper
117 100
82 53.2 44.6 66.8
119 31.6 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 14
 Delta R.T. -0.006 min
 Lab File: VY022820.D
 Acq: 25 Jun 2025 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-34

Tgt Ion:152	Resp:	266014
Ion	Ratio	Lower Upper
152	100	
115	59.3	28.9 86.7
150	158.4	0.0 349.6

