

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022469.D
 Acq On : 29 May 2025 15:56
 Operator : SY/MD
 Sample : Q2150-10
 Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-53

Quant Time: May 30 05:36:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

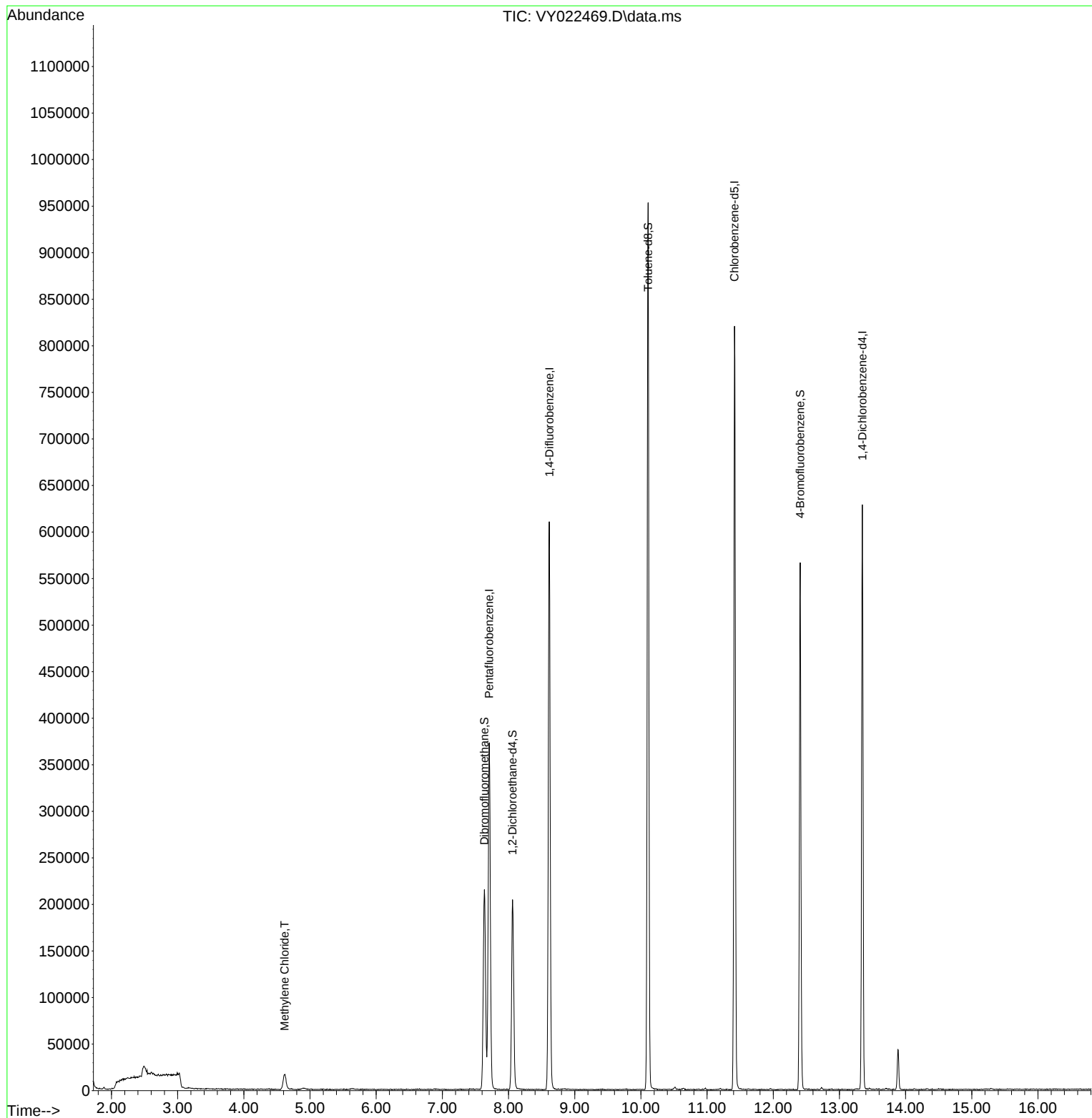
Internal Standards						
1) Pentafluorobenzene	7.707	168	273493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	503324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	399677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151759	52.681	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.360%	
35) Dibromofluoromethane	7.634	113	150583	51.086	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.180%	
50) Toluene-d8	10.109	98	599966	49.930	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.860%	
62) 4-Bromofluorobenzene	12.408	95	151154	41.586	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.180%	
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	12212	3.653	ug/l	# 82

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

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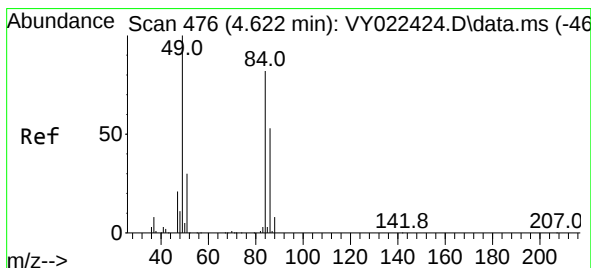
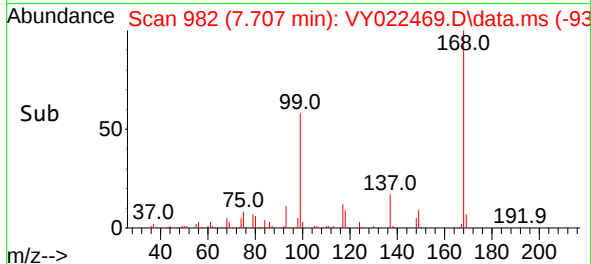
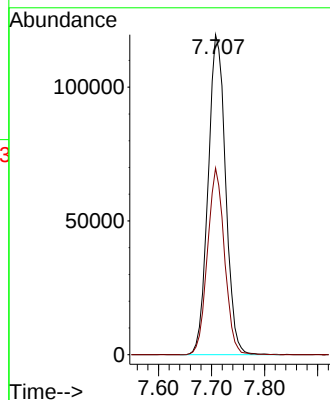
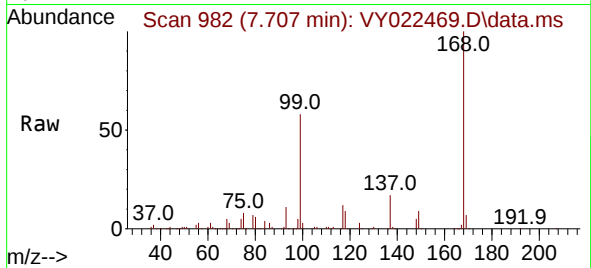




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

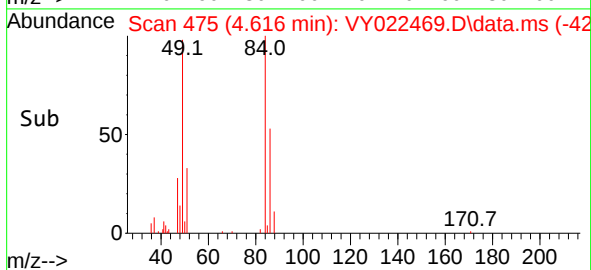
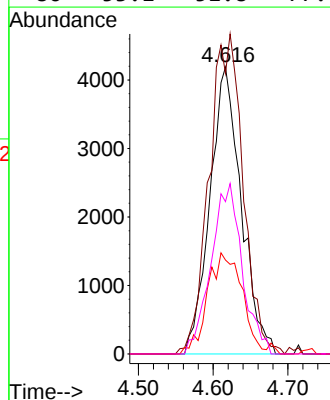
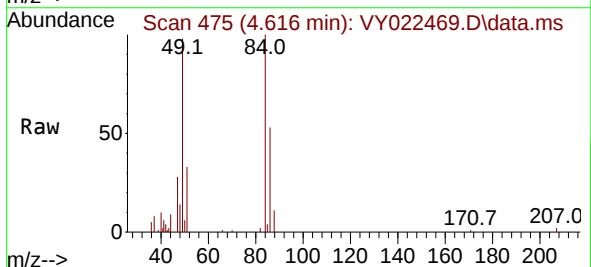
Instrument :
MSVOA_Y
ClientSampleId :
TP-53

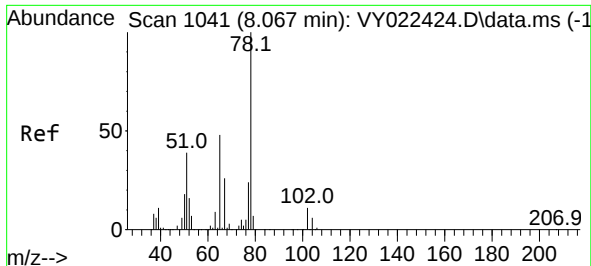
Tgt Ion:168 Resp: 273493
Ion Ratio Lower Upper
168 100
99 58.3 44.7 67.1



#20
Methylene Chloride
Concen: 3.653 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Tgt Ion: 84 Resp: 12212
Ion Ratio Lower Upper
84 100
49 95.9 97.8 146.8#
51 32.8 29.5 44.3
86 53.1 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: 52.681 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022469.D

Acq: 29 May 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

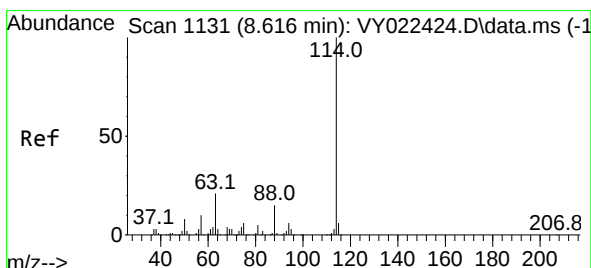
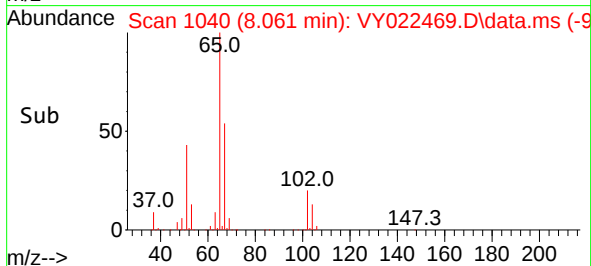
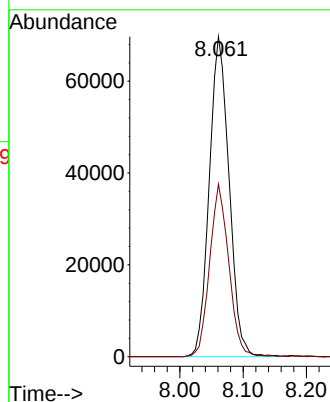
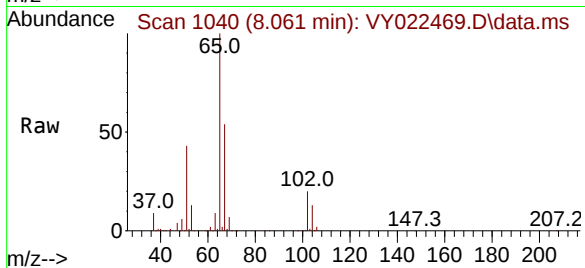
TP-53

Tgt Ion: 65 Resp: 151759

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022469.D

Acq: 29 May 2025 15:56

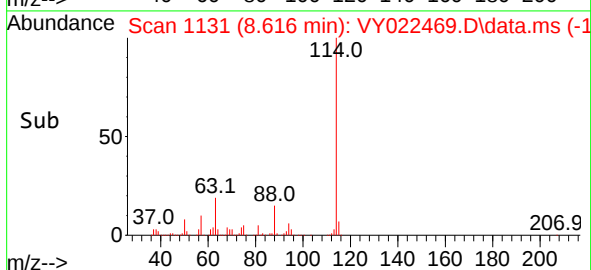
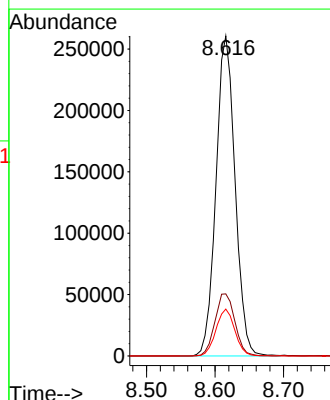
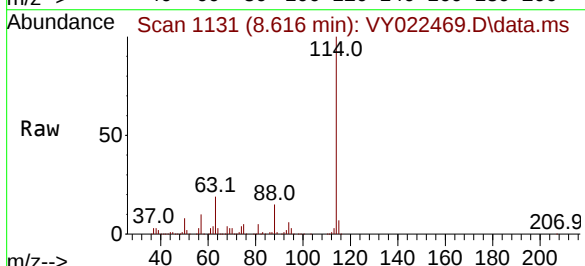
Tgt Ion: 114 Resp: 503324

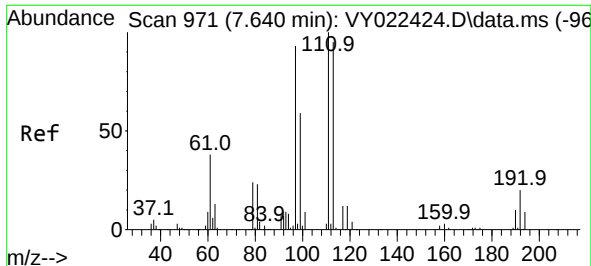
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 14.6 0.0 29.4

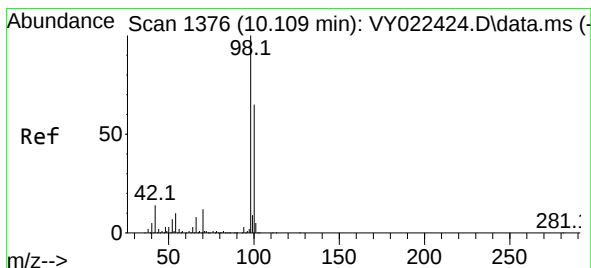
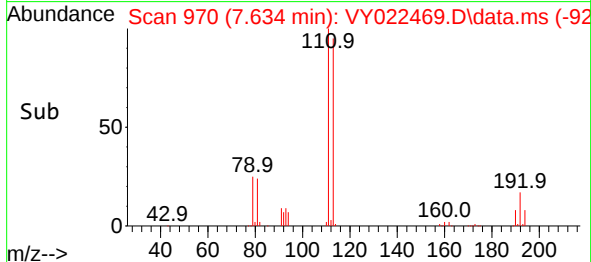
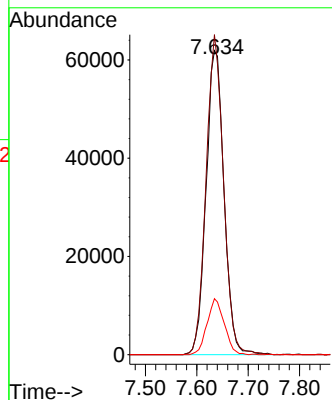
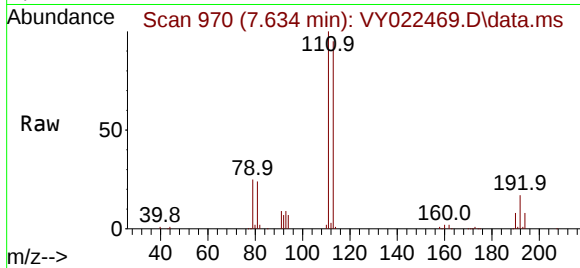




#35
Dibromofluoromethane
Concen: 51.086 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

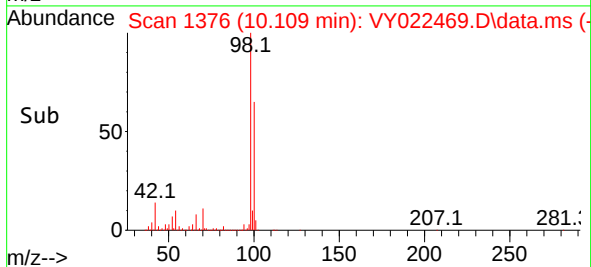
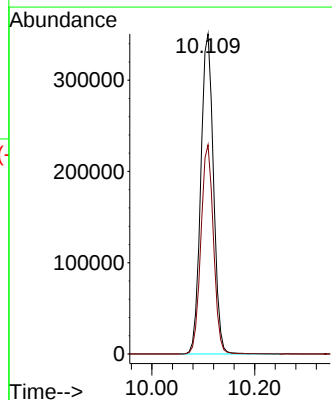
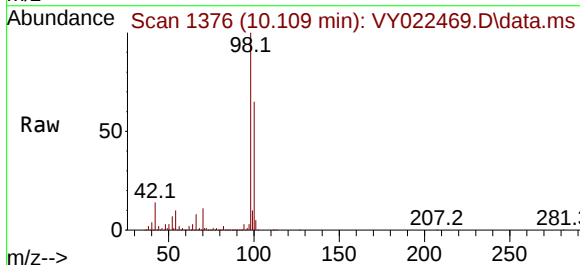
Instrument :
MSVOA_Y
ClientSampleId :
TP-53

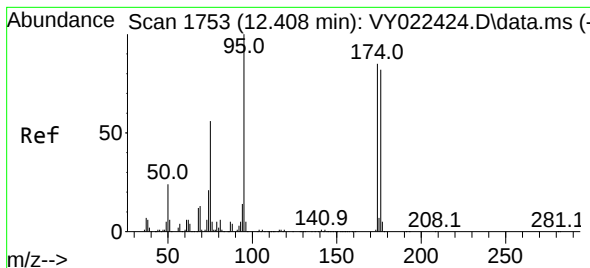
Tgt Ion:113 Resp: 150583
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 17.6 15.2 22.8



#50
Toluene-d8
Concen: 49.930 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

Tgt Ion: 98 Resp: 599966
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2

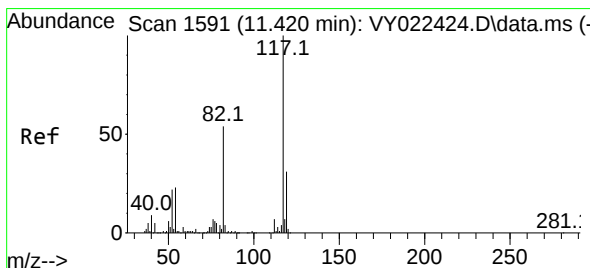
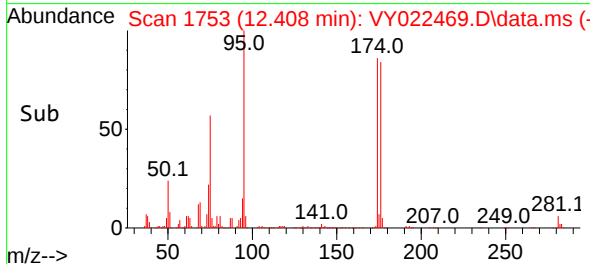
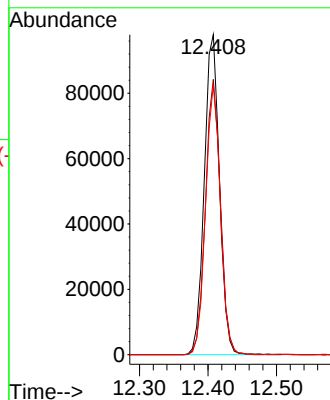
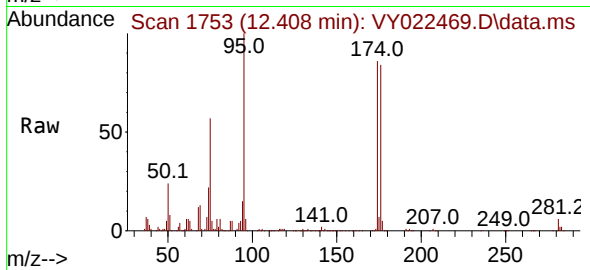




#62
4-Bromofluorobenzene
Concen: 41.586 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

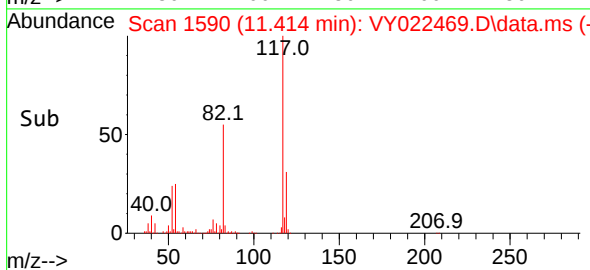
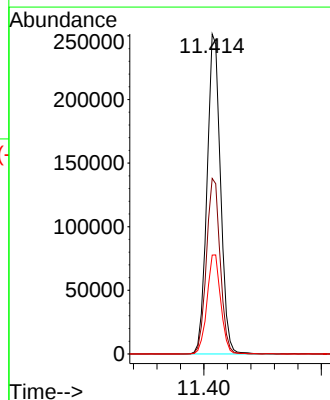
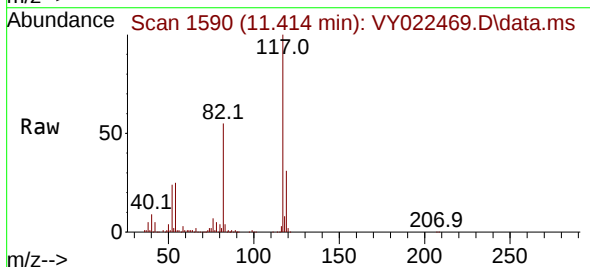
Instrument :
MSVOA_Y
ClientSampleId :
TP-53

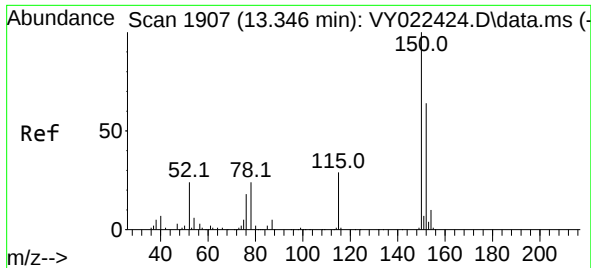
Tgt Ion: 95 Resp: 151154
Ion Ratio Lower Upper
95 100
174 85.2 0.0 171.6
176 82.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022469.D
Acq: 29 May 2025 15:56

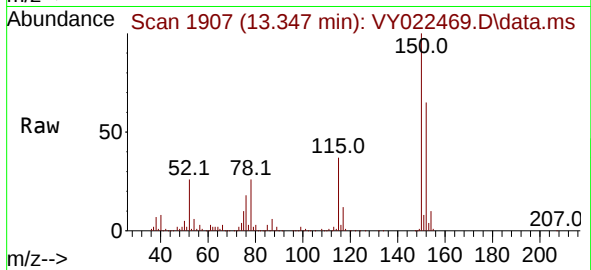
Tgt Ion: 117 Resp: 399677
Ion Ratio Lower Upper
117 100
82 54.9 43.3 64.9
119 30.9 24.5 36.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022469.D
 Acq: 29 May 2025 15:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-53



Tgt Ion:152 Resp: 145373
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.4 85.3
 150 155.8 0.0 345.8

