

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022372.D
 Acq On : 21 May 2025 17:05
 Operator : SY/MD
 Sample : Q2092-01
 Misc : 4.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-202

Quant Time: May 22 00:13:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

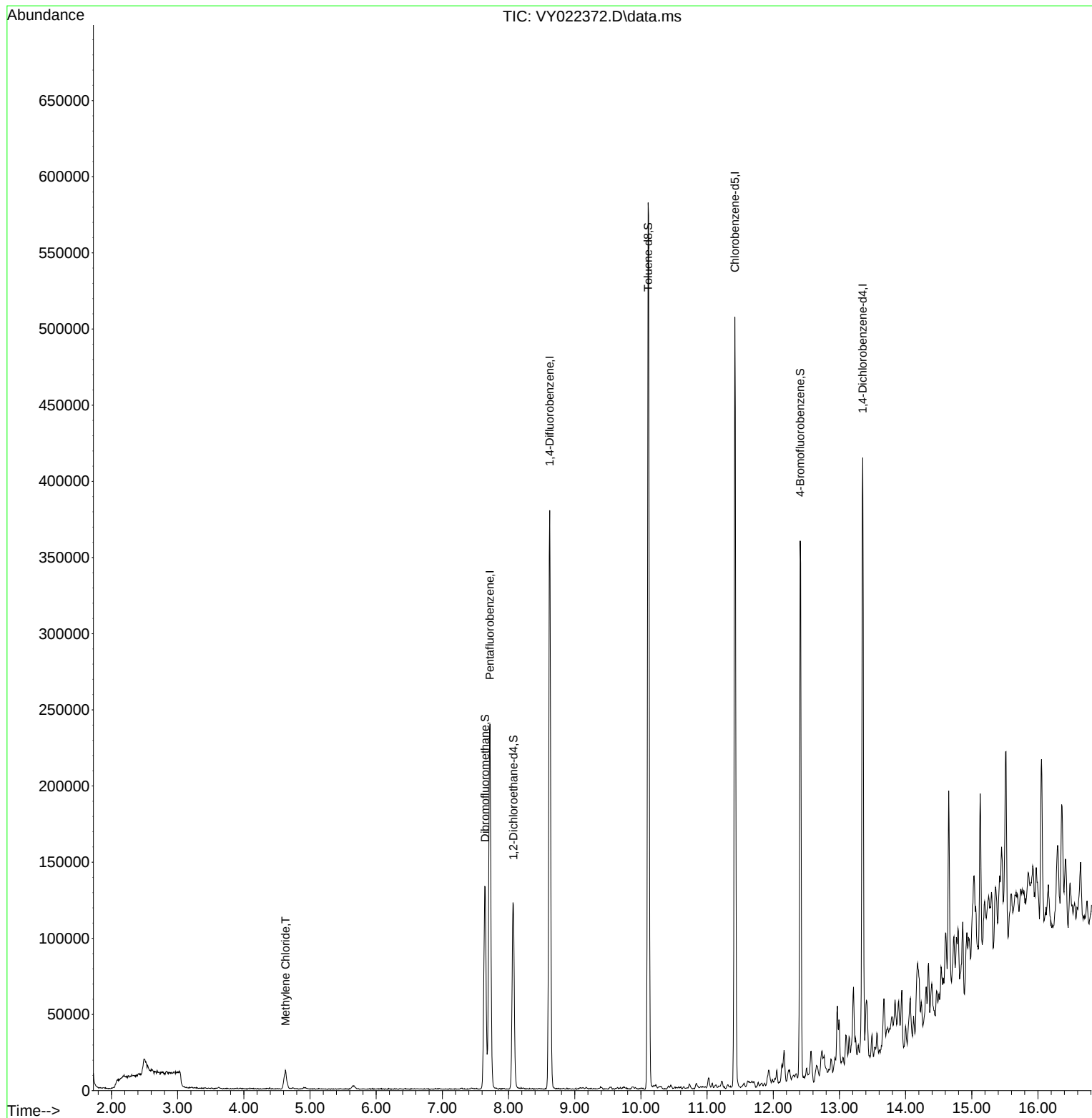
Internal Standards						
1) Pentafluorobenzene	7.719	168	182400	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	315562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	249083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	95139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	95099	47.705	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.420%
35) Dibromofluoromethane	7.646	113	92572	49.150	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.300%
50) Toluene-d8	10.109	98	369578	47.911	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.820%
62) 4-Bromofluorobenzene	12.408	95	95595	39.098	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.200%
Target Compounds						
20) Methylene Chloride	4.628	84	8041	3.329	ug/l	Qvalue 96

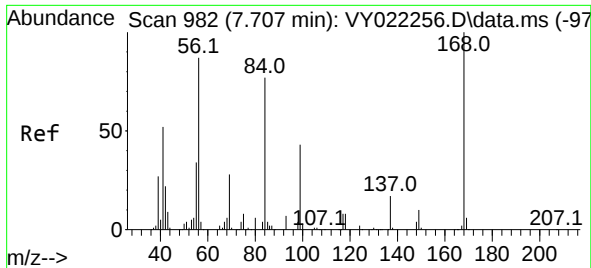
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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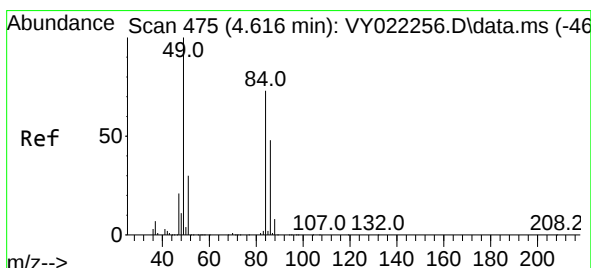
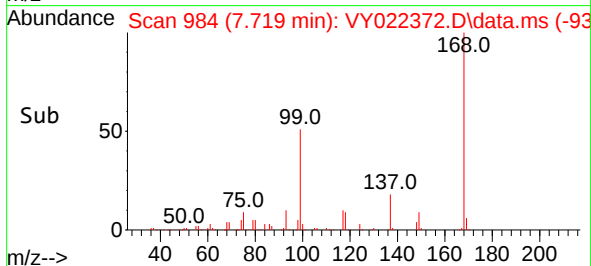
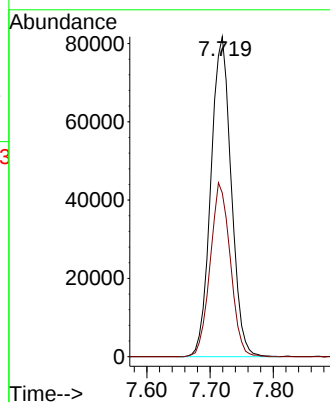
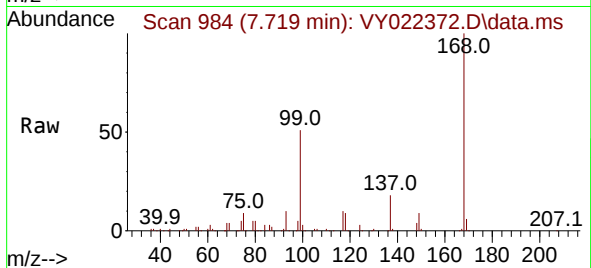




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022372.D
Acq: 21 May 2025 17:05

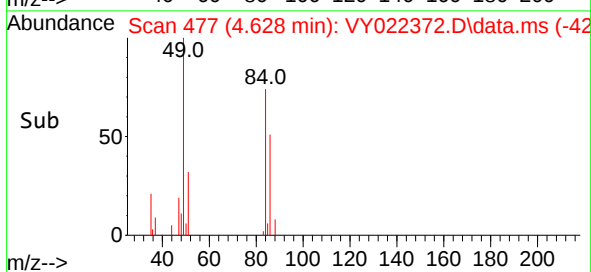
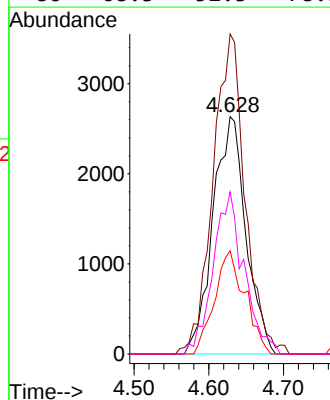
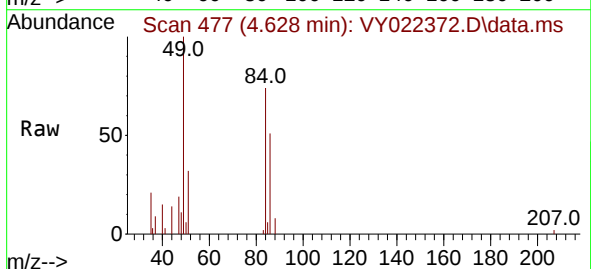
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-202

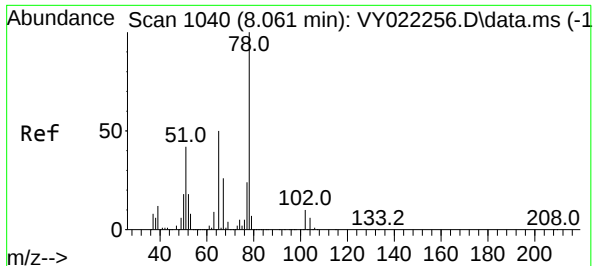
Tgt Ion:168 Resp: 182400
Ion Ratio Lower Upper
168 100
99 51.2 44.2 66.4



#20
Methylene Chloride
Concen: 3.329 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY022372.D
Acq: 21 May 2025 17:05

Tgt Ion: 84 Resp: 8041
Ion Ratio Lower Upper
84 100
49 132.6 109.6 164.4
51 43.5 32.4 48.6
86 68.3 52.3 78.5





#33

1,2-Dichloroethane-d4

Concen: 47.705 ug/l

RT: 8.073 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY022372.D

Acq: 21 May 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

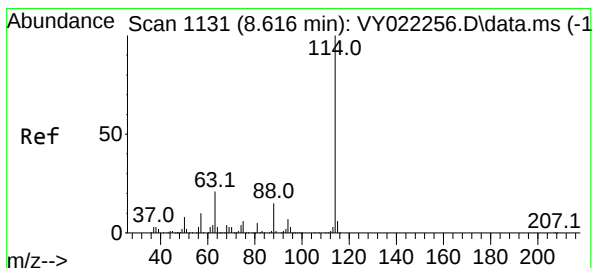
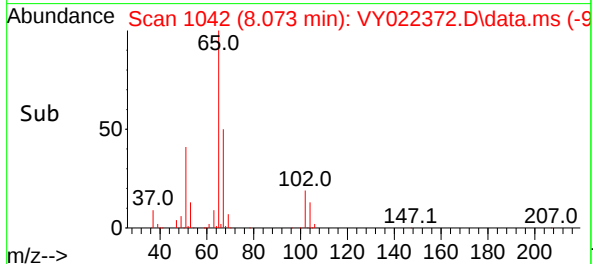
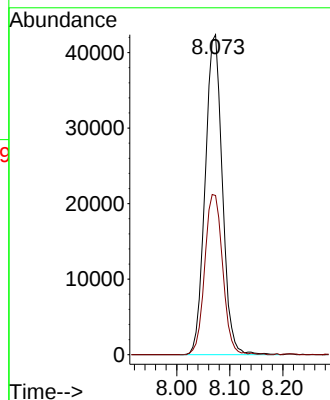
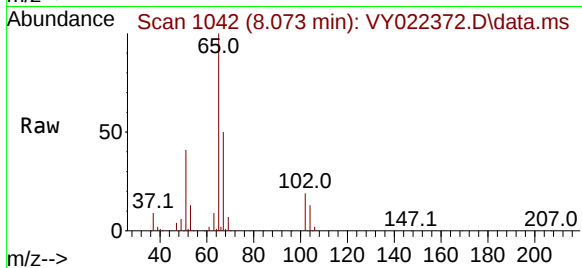
VNJ-202

Tgt Ion: 65 Resp: 95099

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022372.D

Acq: 21 May 2025 17:05

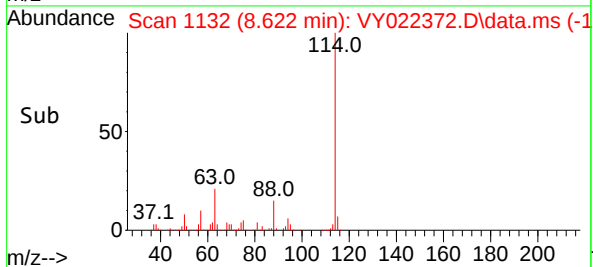
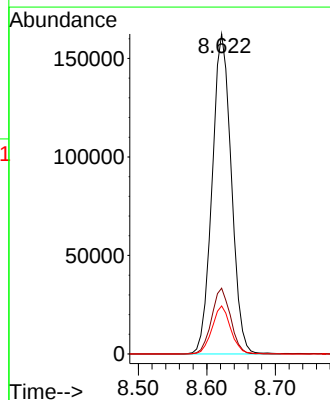
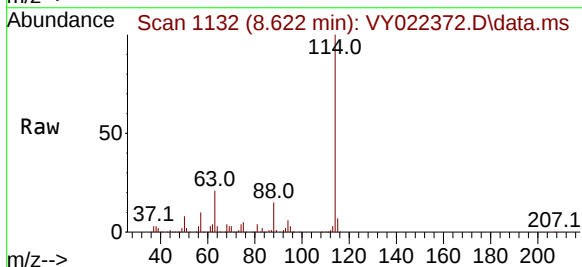
Tgt Ion: 114 Resp: 315562

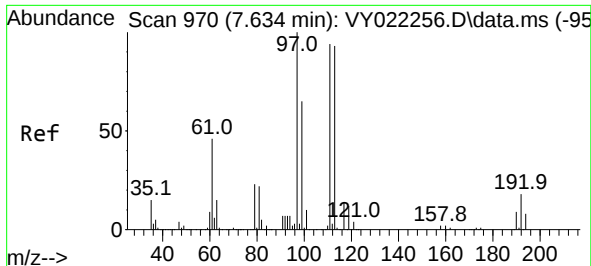
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.0

88 15.0 0.0 29.4

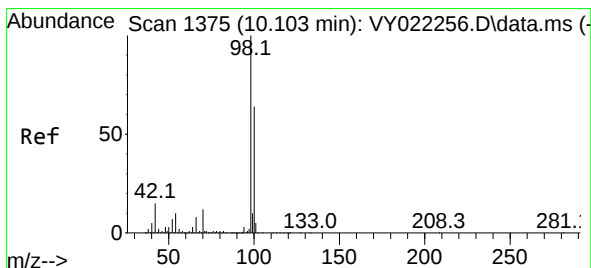
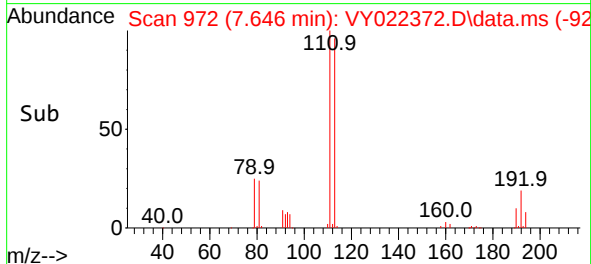
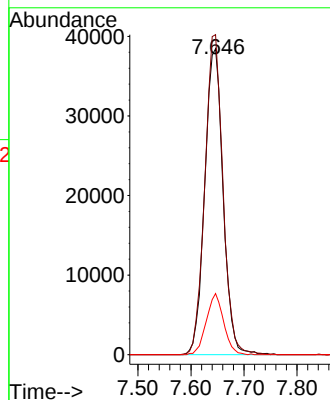
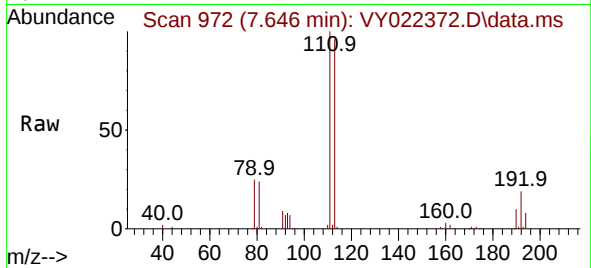




#35
Dibromofluoromethane
Concen: 49.150 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022372.D
Acq: 21 May 2025 17:05

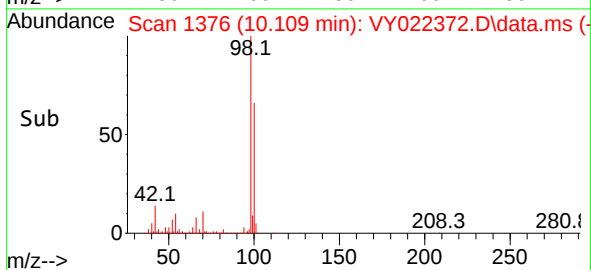
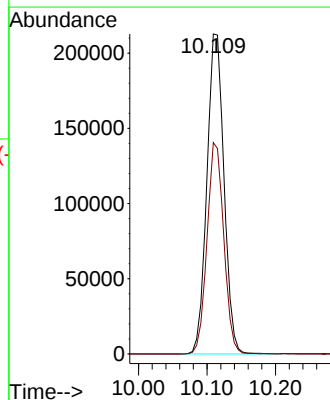
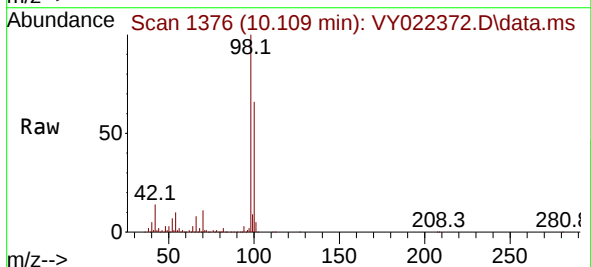
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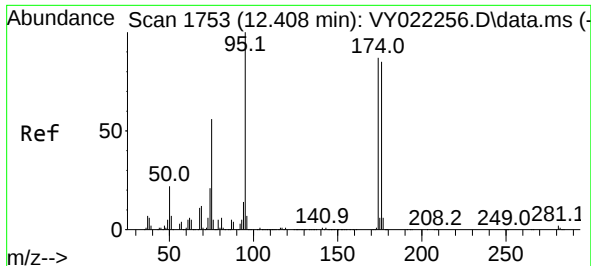
Tgt Ion:113 Resp: 92572
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 18.9 15.2 22.8



#50
Toluene-d8
Concen: 47.911 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022372.D
Acq: 21 May 2025 17:05

Tgt Ion: 98 Resp: 369578
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8

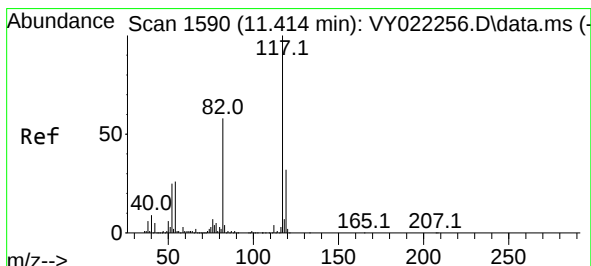
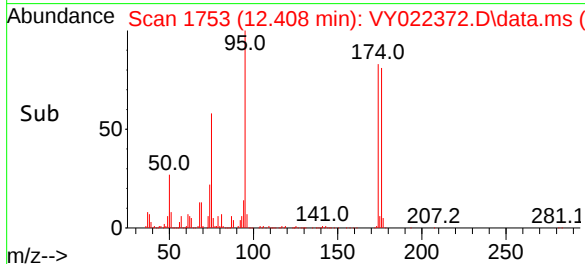
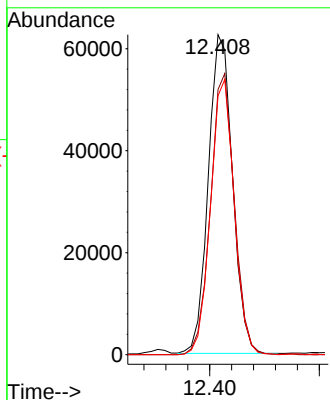
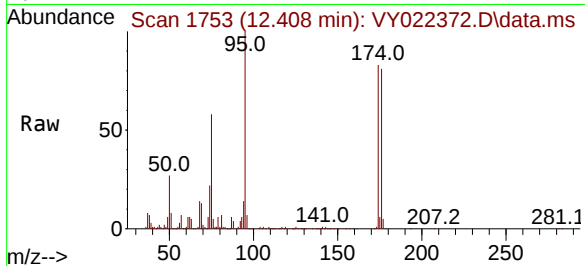




#62
4-Bromofluorobenzene
Concen: 39.098 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022372.D
Acq: 21 May 2025 17:05

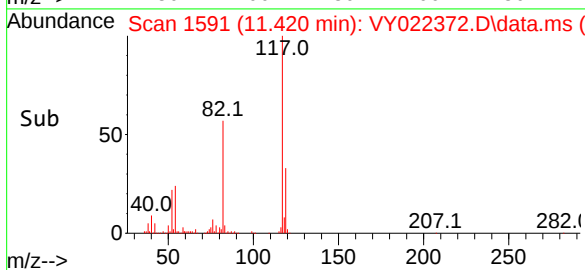
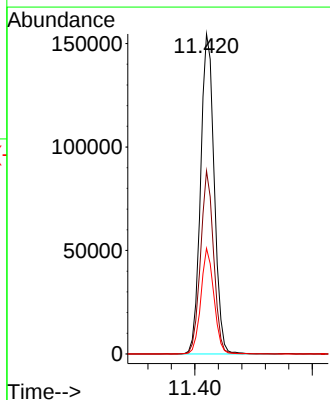
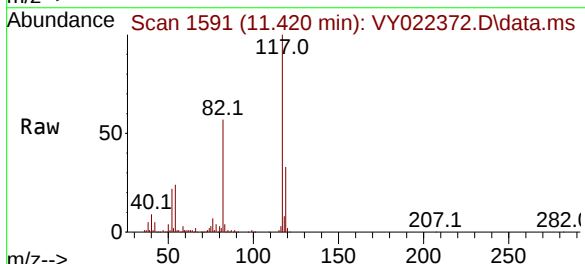
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-202

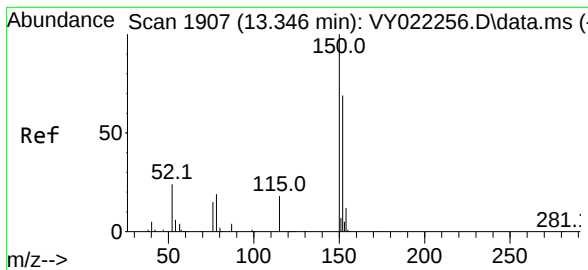
Tgt Ion:	95	Resp:	95595
Ion Ratio	Lower	Upper	
95	100		
174	87.0	0.0	166.8
176	84.4	0.0	160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022372.D
Acq: 21 May 2025 17:05

Tgt Ion:	117	Resp:	249083
Ion Ratio	Lower	Upper	
117	100		
82	57.2	46.6	70.0
119	33.0	25.8	38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY022372.D
 Acq: 21 May 2025 17:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-202

Tgt Ion:	152	Resp:	95139
Ion	Ratio	Lower	Upper
152	100		
115	56.4	29.4	88.2
150	154.6	0.0	353.8

