

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020961.D
 Acq On : 29 Jan 2025 11:25
 Operator : SY/MD
 Sample : Q1205-01
 Misc : 3.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-236

Quant Time: Jan 30 00:34:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	7521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	10036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	5723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	686	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	2996	49.962	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.920%
35) Dibromofluoromethane	7.640	113	3085	53.545	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.100%
50) Toluene-d8	10.109	98	9169	41.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.060%
62) 4-Bromofluorobenzene	12.414	95	988	13.284	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	26.560%#

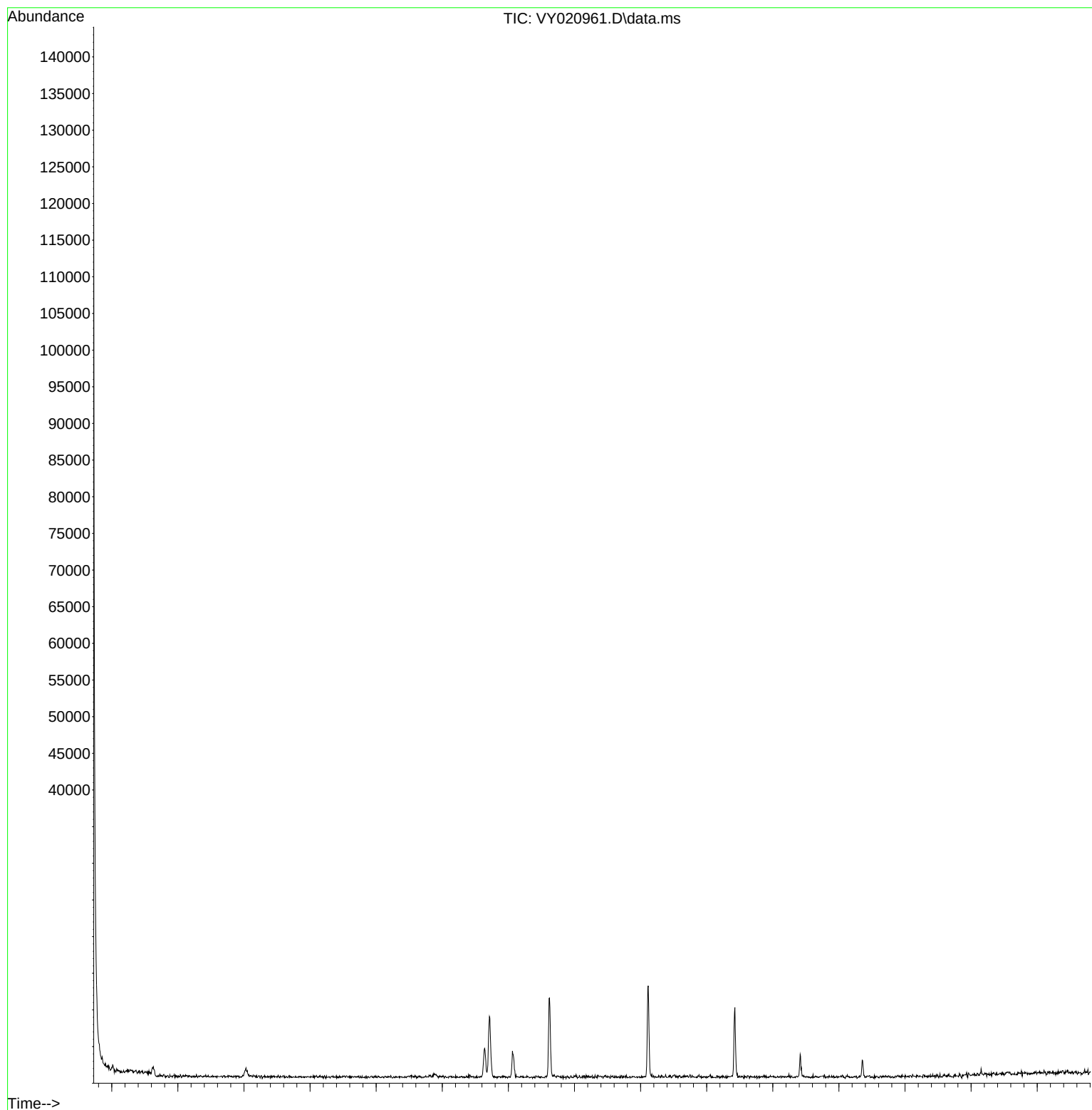
Target Compounds						Qvalue
5) Bromomethane	2.617	94	598	19.147	ug/l	82
10) Methyl Iodide	4.031	142	1967	25.532	ug/l #	93

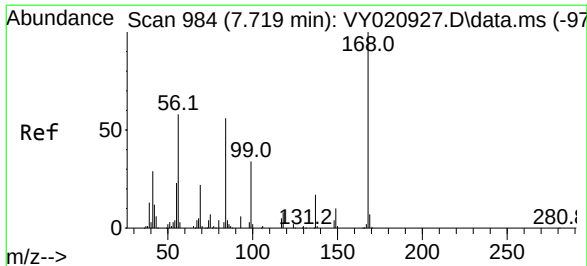
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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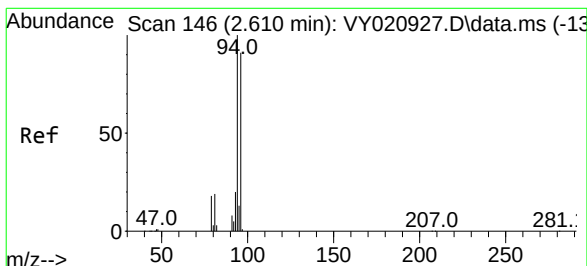
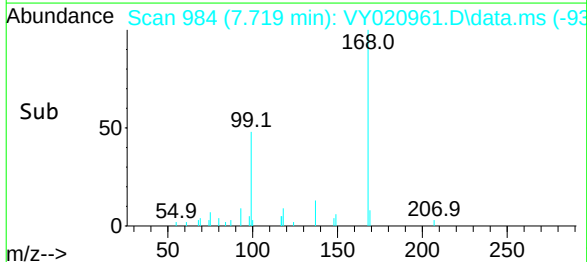
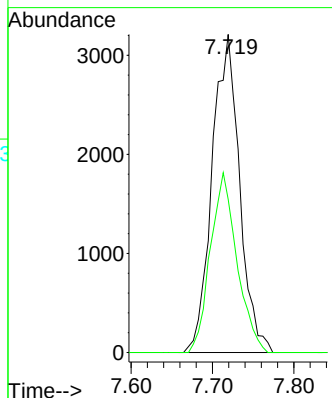
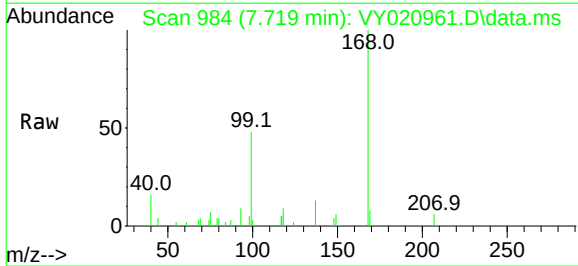




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

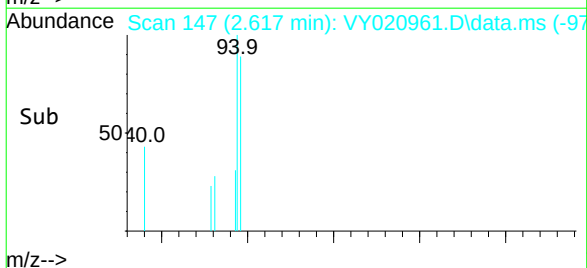
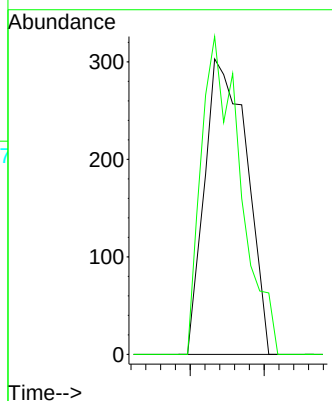
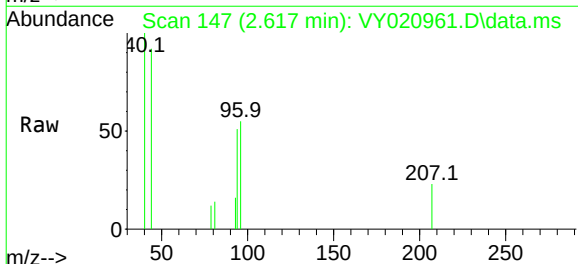
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-236

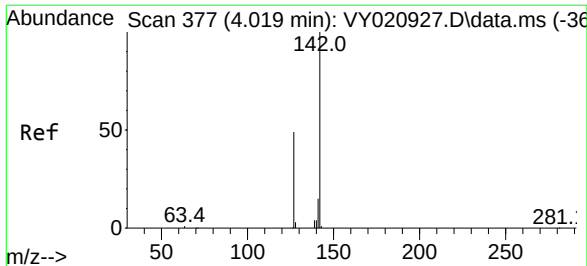
Tgt Ion:168 Resp: 7521
Ion Ratio Lower Upper
168 100
99 48.2 43.0 64.6



#5
Bromomethane
Concen: 19.147 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.006 min
Lab File: VY020961.D
Acq: 29 Jan 2025 11:25

Tgt Ion: 94 Resp: 598
Ion Ratio Lower Upper
94 100
96 107.6 72.6 109.0





#10

Methyl Iodide

Concen: 25.532 ug/l

RT: 4.031 min Scan# 37

Delta R.T. 0.012 min

Lab File: VY020961.D

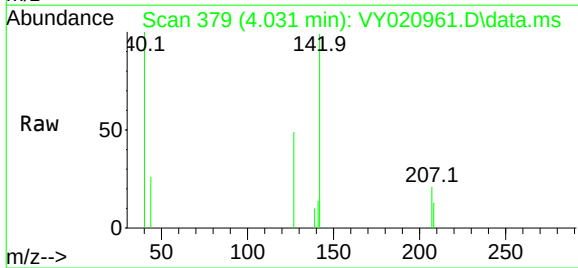
Acq: 29 Jan 2025 11:25

Instrument :

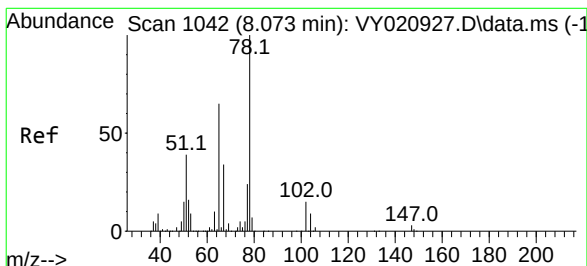
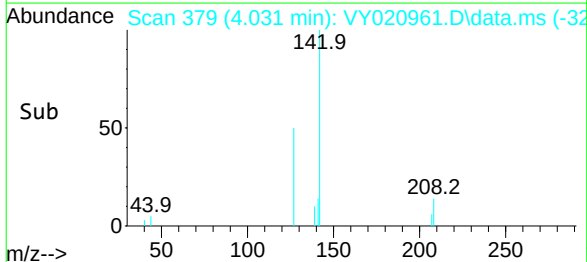
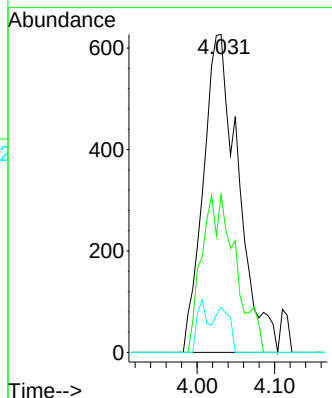
MSVOA_Y

ClientSampleId :

VNJ-236



Tgt Ion:	142	Resp:	1967
Ion	Ratio	Lower	Upper
142	100		
127	48.5	37.3	55.9
141	5.7	11.4	17.2#



#33

1,2-Dichloroethane-d4

Concen: 49.962 ug/l

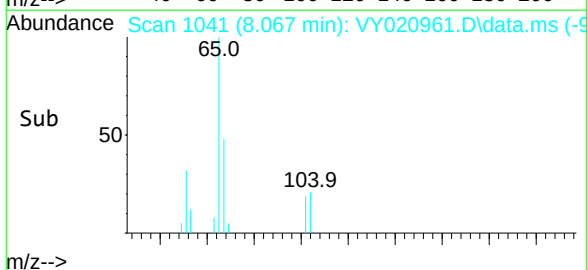
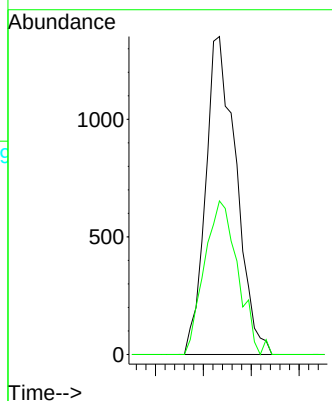
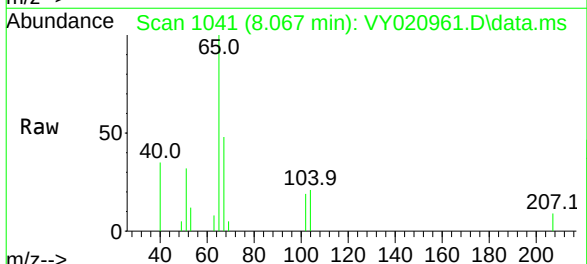
RT: 8.067 min Scan# 1041

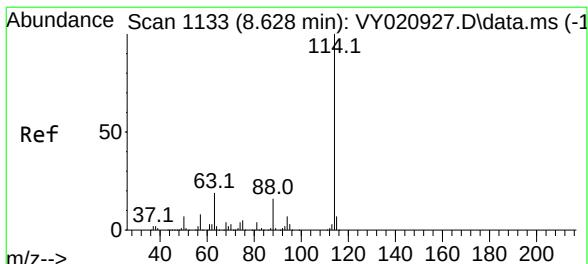
Delta R.T. -0.006 min

Lab File: VY020961.D

Acq: 29 Jan 2025 11:25

Tgt Ion:	65	Resp:	2996
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	105.8

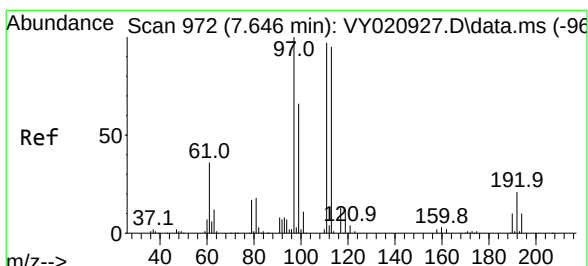
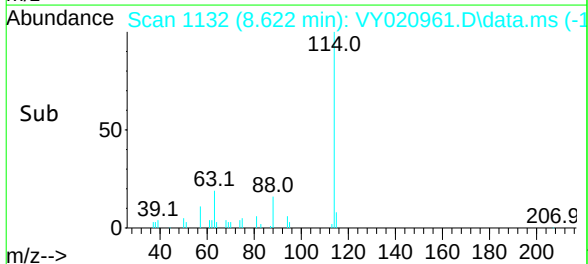
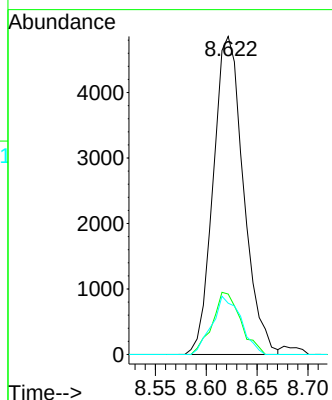
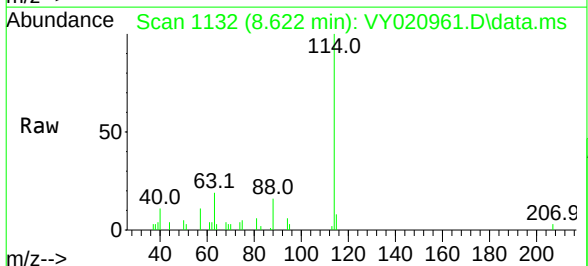




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.622 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY020961.D
 Acq: 29 Jan 2025 11:25

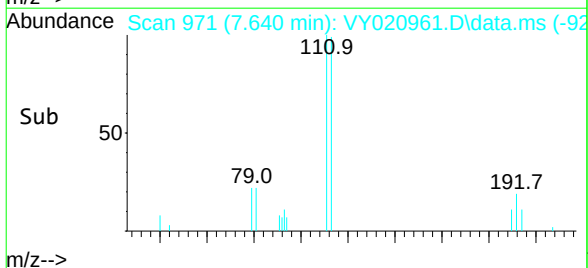
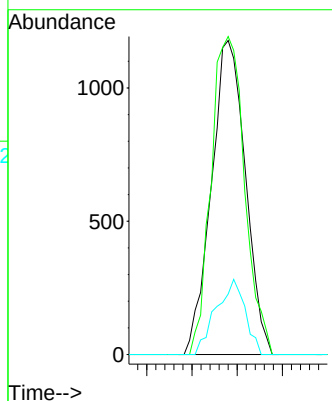
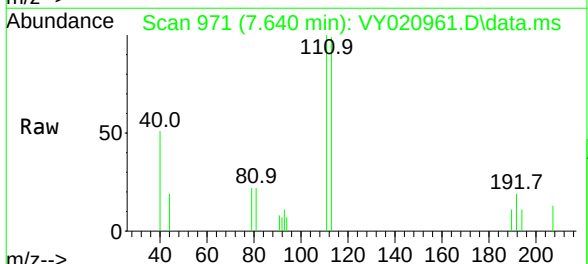
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-236

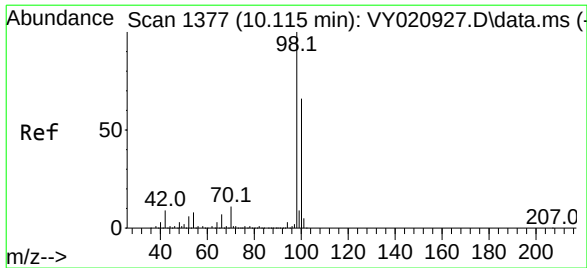
Tgt Ion:	114	Resp:	10036
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	38.4
88	16.1	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 53.545 ug/l
 RT: 7.640 min Scan# 971
 Delta R.T. -0.006 min
 Lab File: VY020961.D
 Acq: 29 Jan 2025 11:25

Tgt Ion:	113	Resp:	3085
Ion	Ratio	Lower	Upper
113	100		
111	99.6	82.3	123.5
192	20.4	17.4	26.2





#50

Toluene-d8

Concen: 41.029 ug/l

RT: 10.109 min Scan# 1377

Delta R.T. -0.006 min

Lab File: VY020961.D

Acq: 29 Jan 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

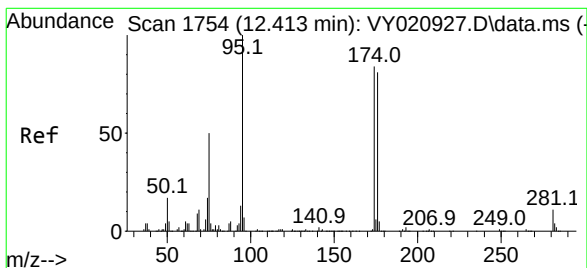
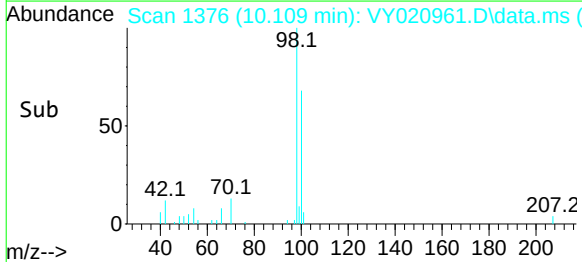
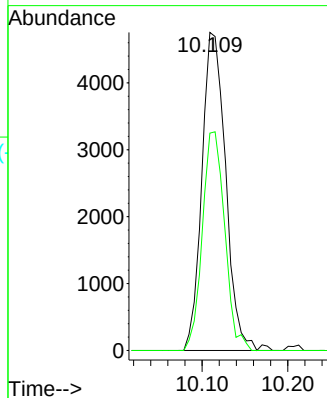
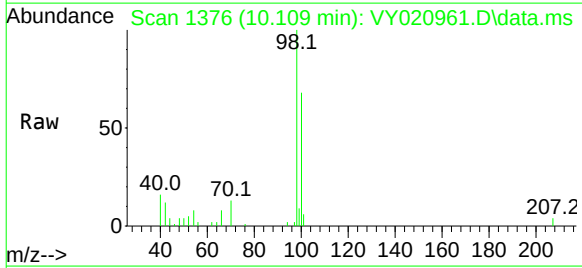
VNJ-236

Tgt Ion: 98 Resp: 9169

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 13.284 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.000 min

Lab File: VY020961.D

Acq: 29 Jan 2025 11:25

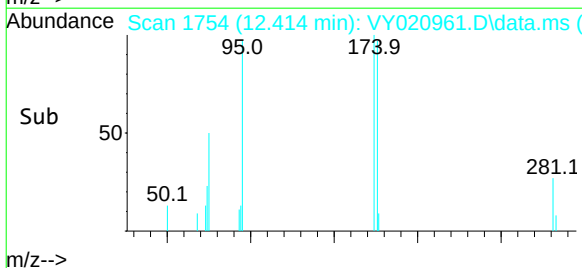
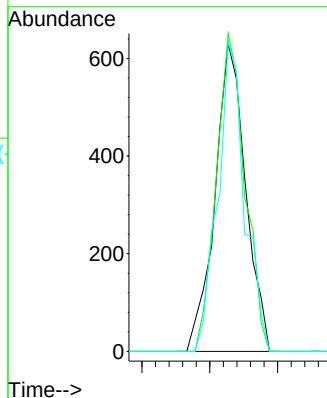
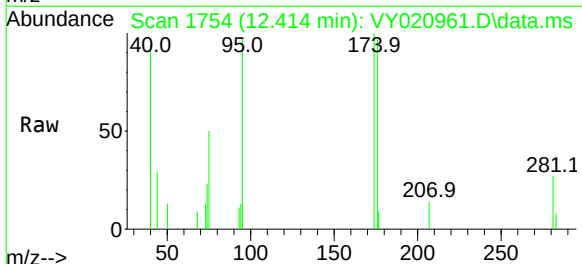
Tgt Ion: 95 Resp: 988

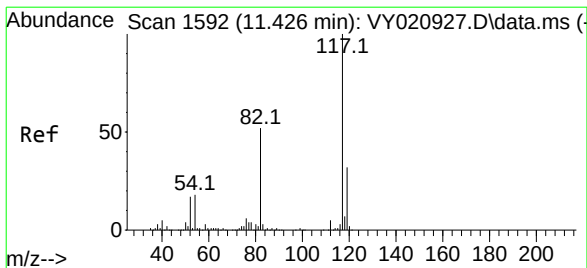
Ion Ratio Lower Upper

95 100

174 96.5 0.0 177.4

176 88.6 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 15

Delta R.T. 0.000 min

Lab File: VY020961.D

Acq: 29 Jan 2025 11:25

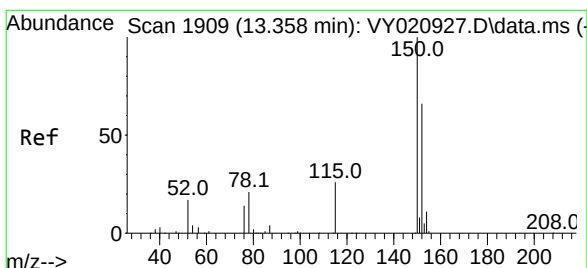
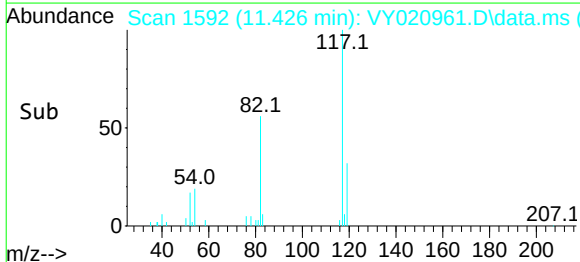
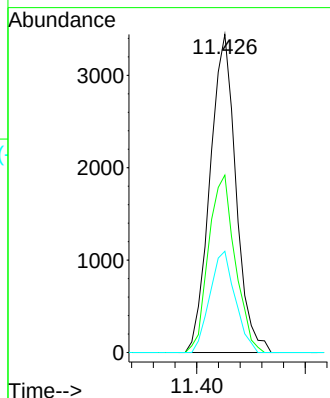
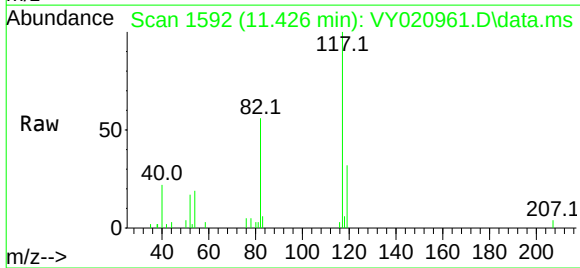
Instrument :

MSVOA_Y

ClientSampleId :

VNJ-236

Tgt Ion:	117	Resp:	5723
Ion	Ratio	Lower	Upper
117	100		
82	55.8	41.8	62.8
119	31.8	26.0	39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.012 min

Lab File: VY020961.D

Acq: 29 Jan 2025 11:25

Tgt Ion:	152	Resp:	686
Ion	Ratio	Lower	Upper
152	100		
115	65.2	29.0	87.0
150	198.5	0.0	347.6

