

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100625\
 Data File : VV039277.D
 Acq On : 06 Oct 2025 16:33
 Operator : SY/MD
 Sample : Q3289-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VNJ-261

Quant Time: Oct 07 03:37:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

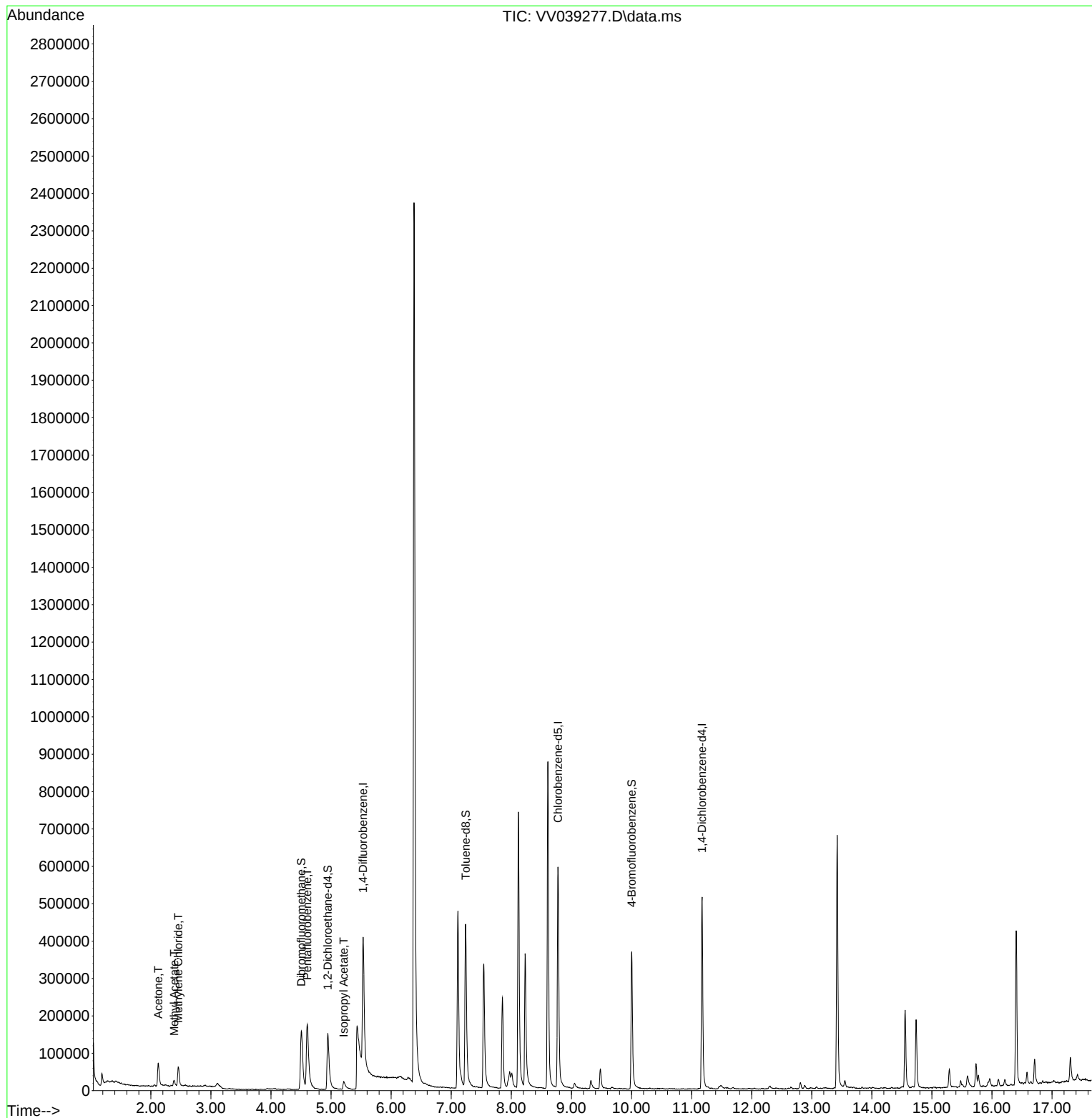
Internal Standards						
1) Pentafluorobenzene	4.603	168	154679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	307906	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.777	117	338419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	142971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	133147	59.476	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 118.960%#	
35) Dibromofluoromethane	4.507	113	136120	54.991	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 109.980%	
50) Toluene-d8	7.240	98	330206	45.420	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 90.840%	
62) 4-Bromofluorobenzene	10.005	95	130830	43.714	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 87.420%	
Target Compounds						
					Qvalue	
16) Acetone	2.124	43	78646	50.607	ug/l	94
18) Methyl Acetate	2.388	43	20253	6.106	ug/l	92
20) Methylene Chloride	2.458	84	24982	8.508	ug/l	93
43) Isopropyl Acetate	5.211	43	29754	4.805	ug/l #	93

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

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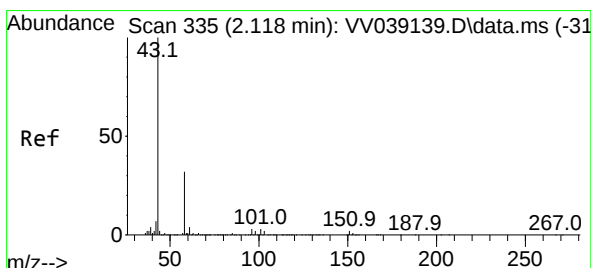
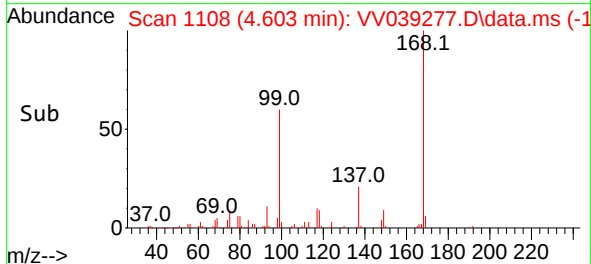
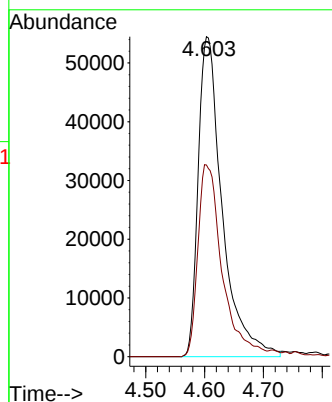
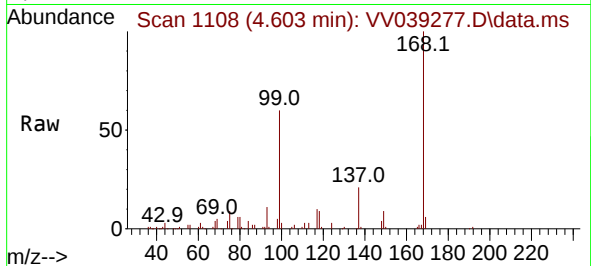




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VV039277.D
Acq: 06 Oct 2025 16:33

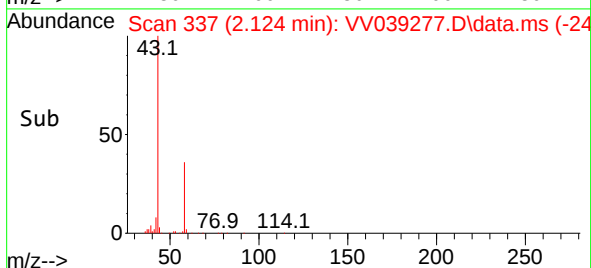
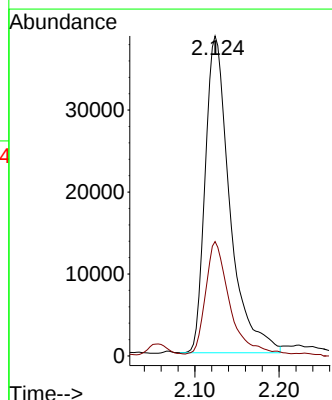
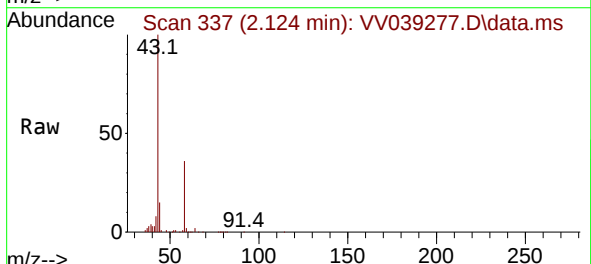
Instrument :
MSVOA_V
ClientSampleId :
VNJ-261

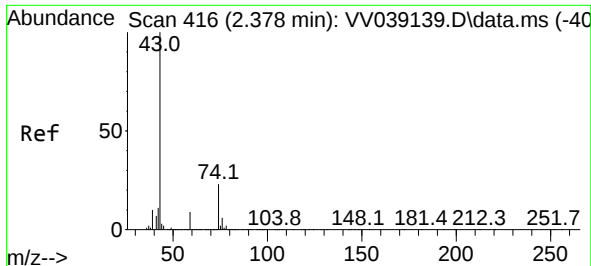
Tgt Ion:168 Resp: 154679
Ion Ratio Lower Upper
168 100
99 59.9 49.6 74.4



#16
Acetone
Concen: 50.607 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV039277.D
Acq: 06 Oct 2025 16:33

Tgt Ion: 43 Resp: 78646
Ion Ratio Lower Upper
43 100
58 35.3 25.8 38.6

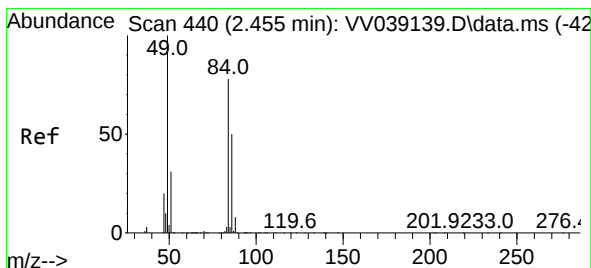
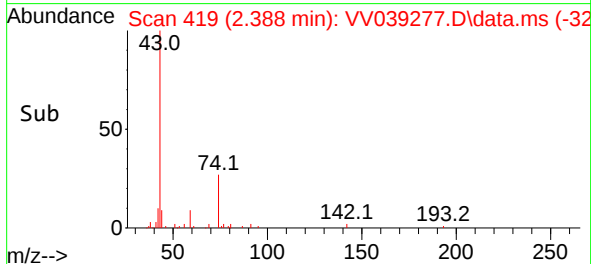
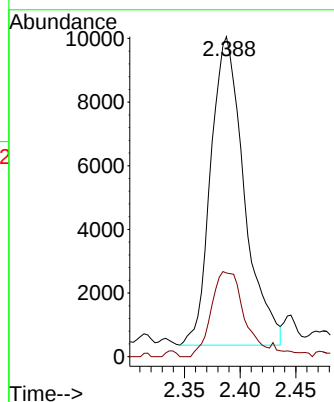
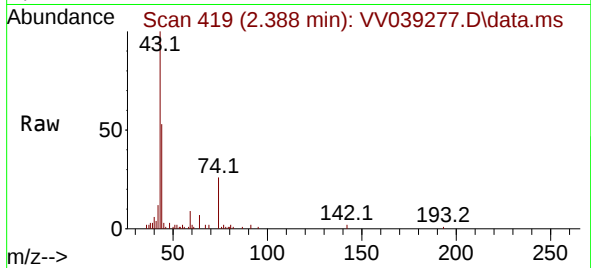




#18
Methyl Acetate
Concen: 6.106 ug/l
RT: 2.388 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV039277.D
Acq: 06 Oct 2025 16:33

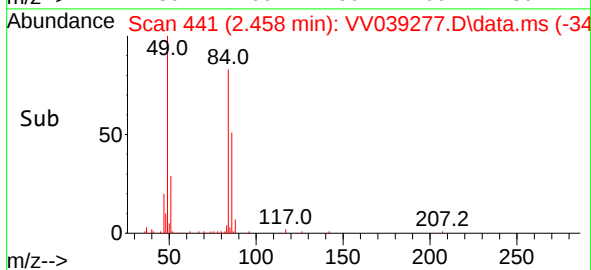
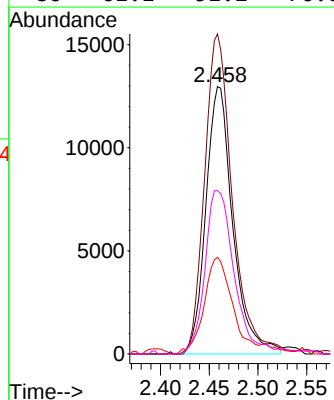
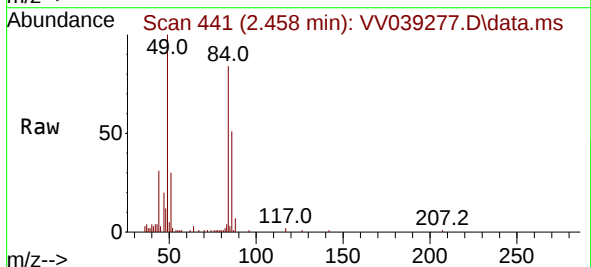
Instrument :
MSVOA_V
ClientSampleId :
VNJ-261

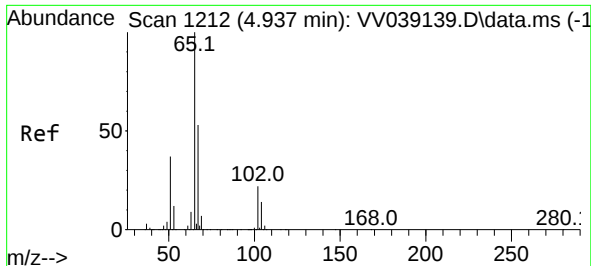
Tgt Ion: 43 Resp: 20253
Ion Ratio Lower Upper
43 100
74 26.9 18.6 27.8



#20
Methylene Chloride
Concen: 8.508 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039277.D
Acq: 06 Oct 2025 16:33

Tgt Ion: 84 Resp: 24982
Ion Ratio Lower Upper
84 100
49 119.7 102.8 154.2
51 35.2 31.9 47.9
86 61.1 51.2 76.8





#33

1,2-Dichloroethane-d4

Concen: 59.476 ug/l

RT: 4.944 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV039277.D

Acq: 06 Oct 2025 16:33

Instrument :

MSVOA_V

ClientSampleId :

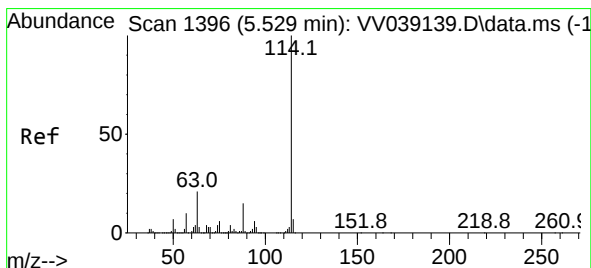
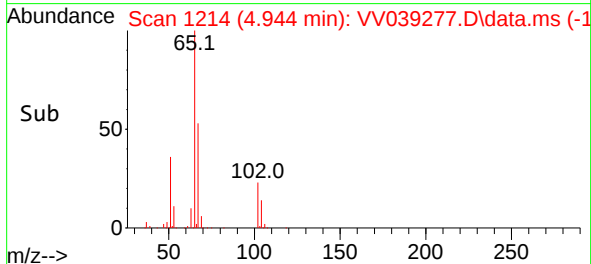
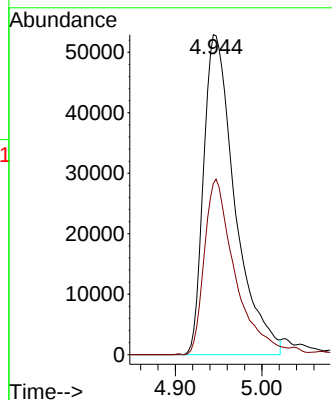
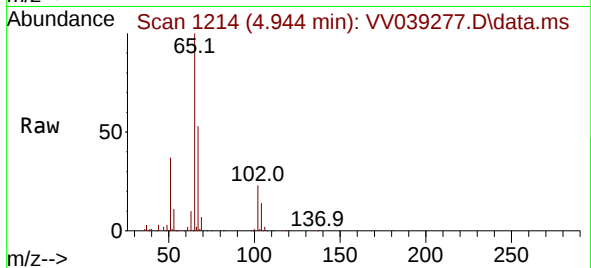
VNJ-261

Tgt Ion: 65 Resp: 133147

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.003 min

Lab File: VV039277.D

Acq: 06 Oct 2025 16:33

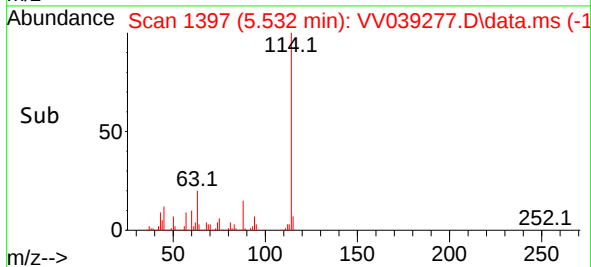
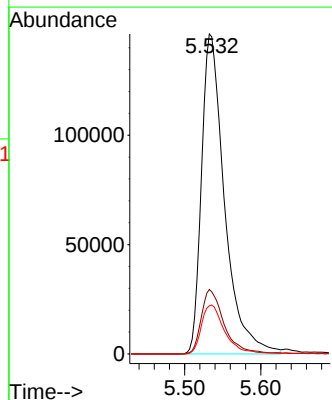
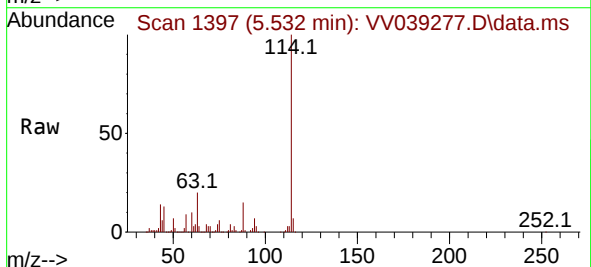
Tgt Ion:114 Resp: 307906

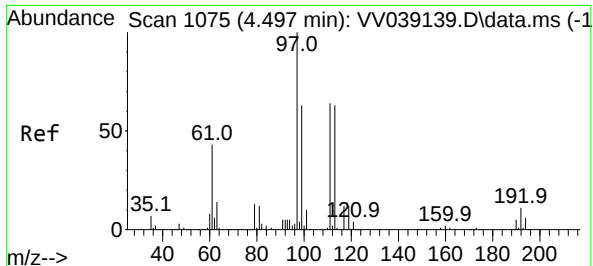
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

88 15.1 0.0 30.8

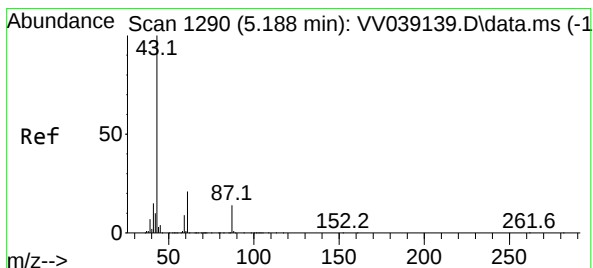
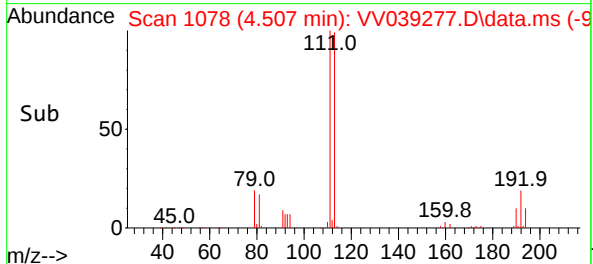
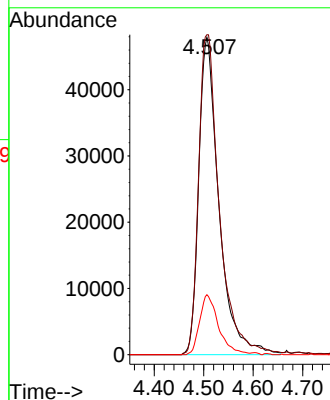
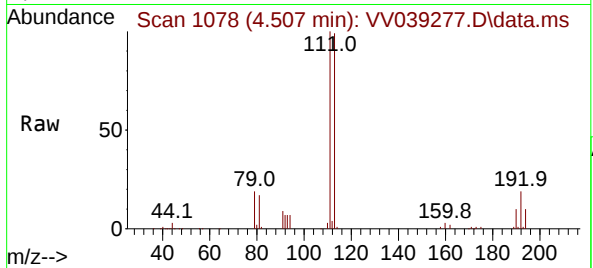




#35
 Dibromofluoromethane
 Concen: 54.991 ug/l
 RT: 4.507 min Scan# 113
 Delta R.T. 0.010 min
 Lab File: VV039277.D
 Acq: 06 Oct 2025 16:33

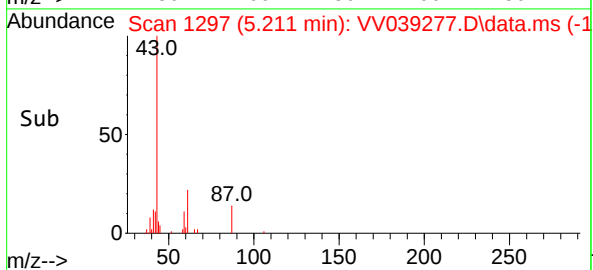
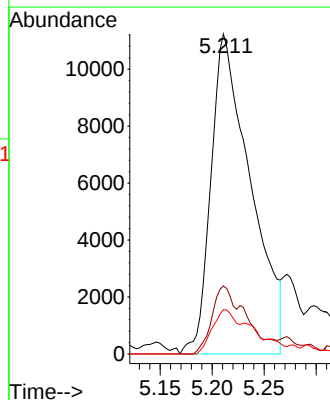
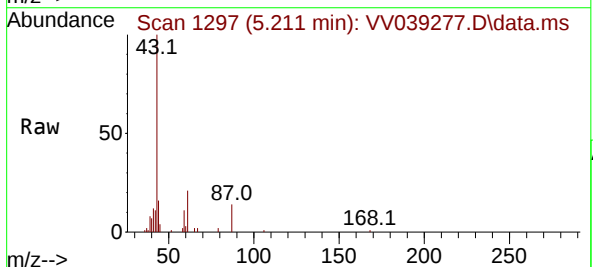
Instrument :
 MSVOA_V
 ClientSampleId :
 VNJ-261

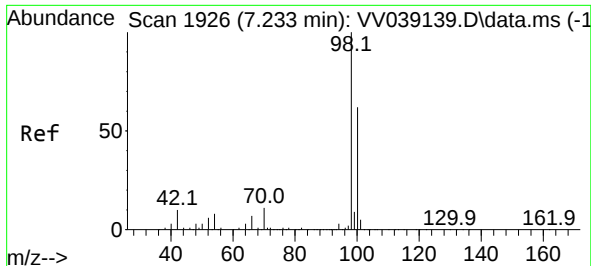
Tgt Ion:113 Resp: 136120
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.4 123.6
 192 17.7 13.8 20.8



#43
 Isopropyl Acetate
 Concen: 4.805 ug/l
 RT: 5.211 min Scan# 1297
 Delta R.T. 0.023 min
 Lab File: VV039277.D
 Acq: 06 Oct 2025 16:33

Tgt Ion: 43 Resp: 29754
 Ion Ratio Lower Upper
 43 100
 61 18.6 15.9 23.9
 87 8.5 11.0 16.6#





#50

Toluene-d8

Concen: 45.420 ug/l

RT: 7.240 min Scan# 1926

Delta R.T. 0.007 min

Lab File: VV039277.D

Acq: 06 Oct 2025 16:33

Instrument :

MSVOA_V

ClientSampleId :

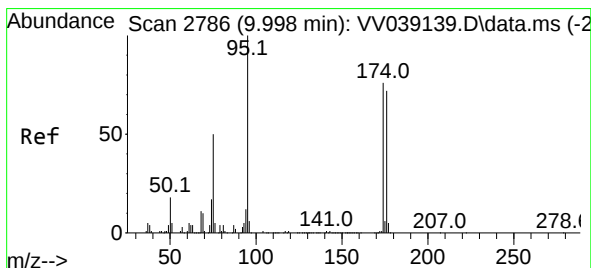
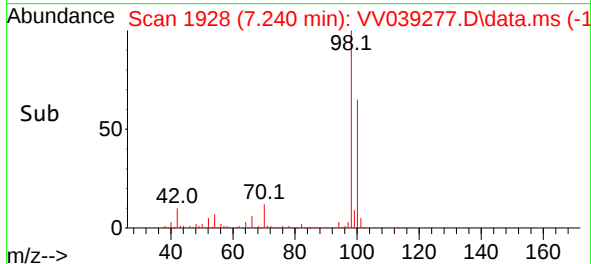
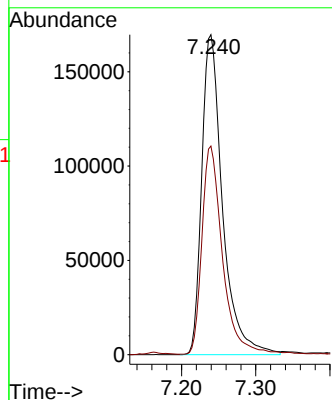
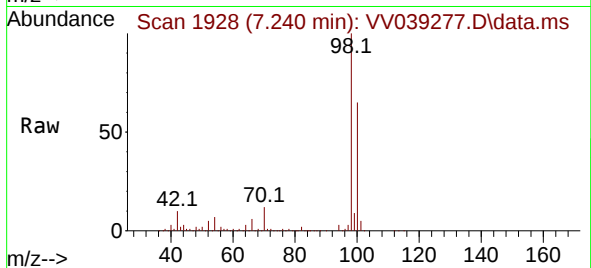
VNJ-261

Tgt Ion: 98 Resp: 330206

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 43.714 ug/l

RT: 10.005 min Scan# 2788

Delta R.T. 0.007 min

Lab File: VV039277.D

Acq: 06 Oct 2025 16:33

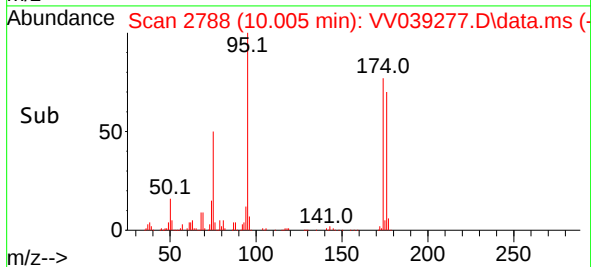
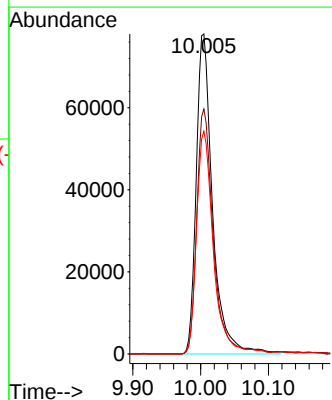
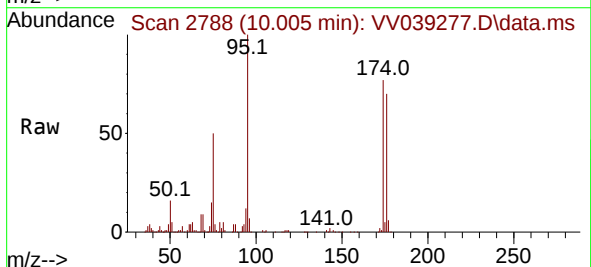
Tgt Ion: 95 Resp: 130830

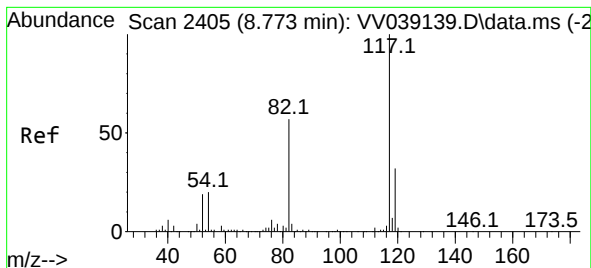
Ion Ratio Lower Upper

95 100

174 77.1 0.0 150.4

176 70.7 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.777 min Scan# 2405

Delta R.T. 0.004 min

Lab File: VV039277.D

Acq: 06 Oct 2025 16:33

Instrument :

MSVOA_V

ClientSampleId :

VNJ-261

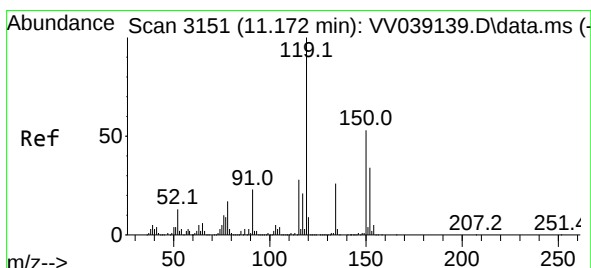
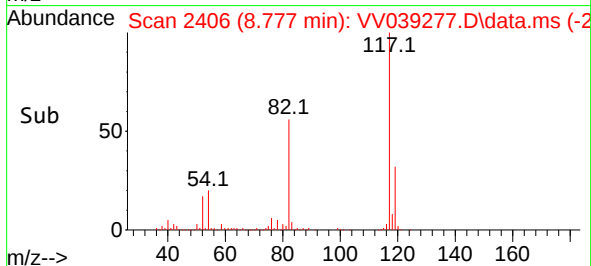
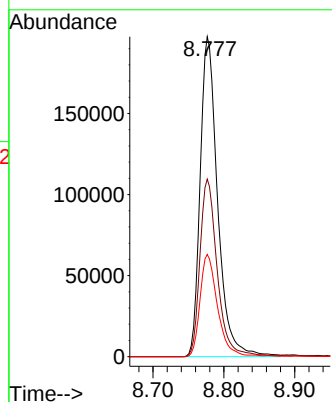
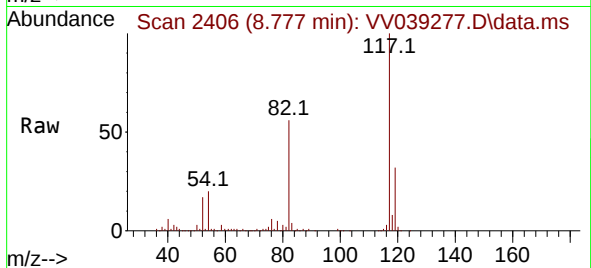
Tgt Ion:117 Resp: 338419

Ion Ratio Lower Upper

117 100

82 55.5 45.4 68.2

119 31.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV039277.D

Acq: 06 Oct 2025 16:33

Tgt Ion:152 Resp: 142971

Ion Ratio Lower Upper

152 100

115 59.4 44.8 134.4

150 157.8 0.0 353.8

