

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039324.D
 Acq On : 04 Nov 2025 18:54
 Operator : SY/MD
 Sample : Q3534-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-5

Quant Time: Nov 05 00:41:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

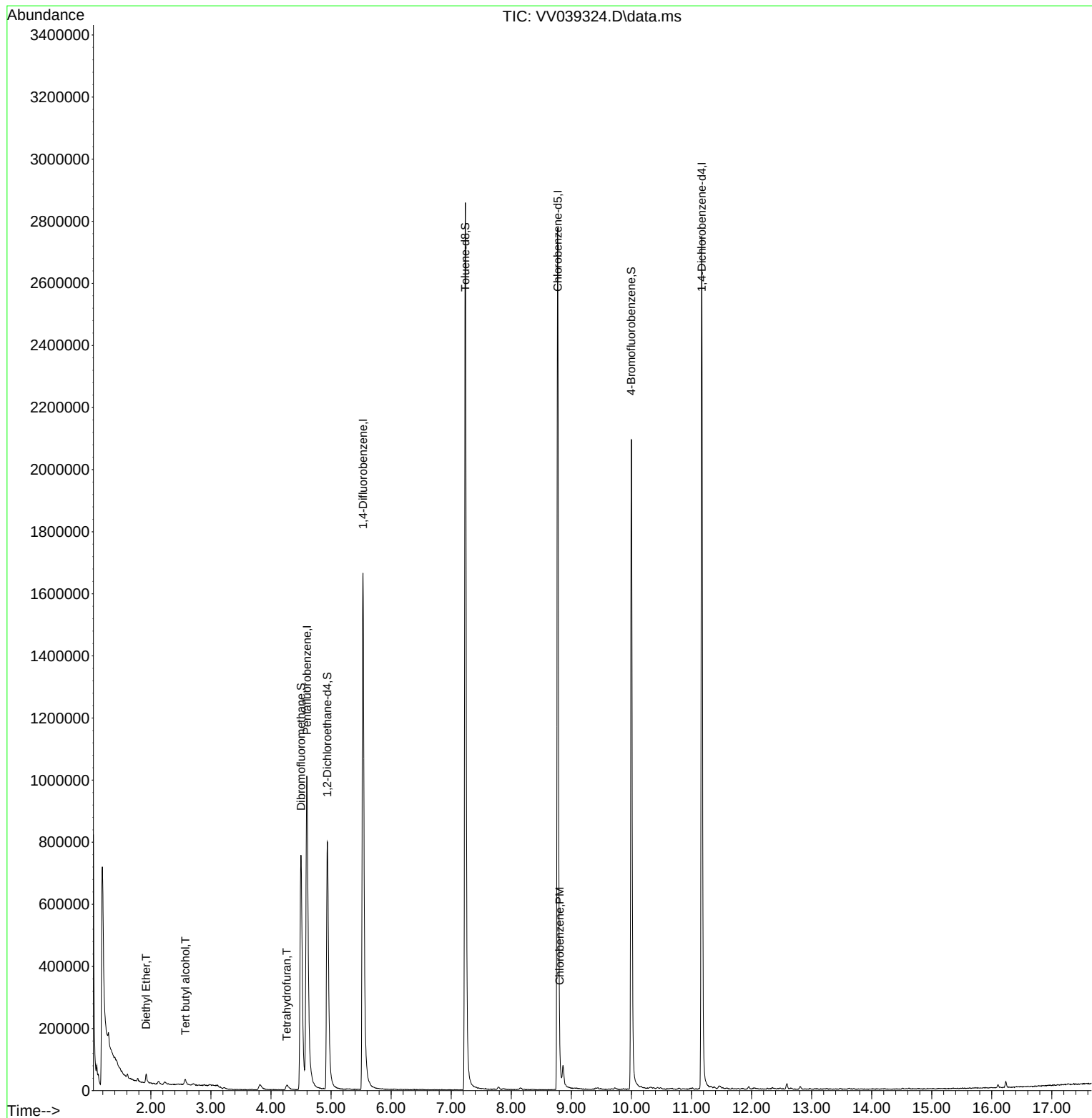
Internal Standards						
1) Pentafluorobenzene	4.600	168	875532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1648833	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1570855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	731965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	714085	57.399	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	114.800%
35) Dibromofluoromethane	4.500	113	633531	48.765	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	97.520%
50) Toluene-d8	7.236	98	2040496	46.168	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	92.340%
62) 4-Bromofluorobenzene	9.998	95	726818	46.176	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	92.360%
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.921	74	11217	1.546	ug/l	96
11) Tert butyl alcohol	2.574	59	10906	4.523	ug/l #	75
29) Tetrahydrofuran	4.262	42	13566	2.789	ug/l #	60
65) Chlorobenzene	8.805	112	11439	0.308	ug/l	91

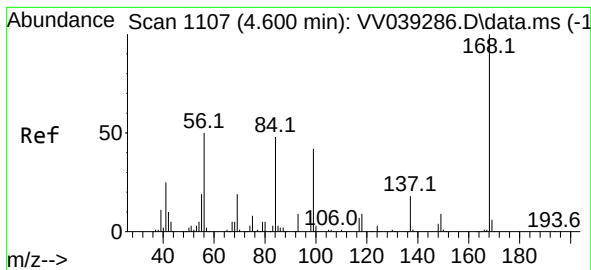
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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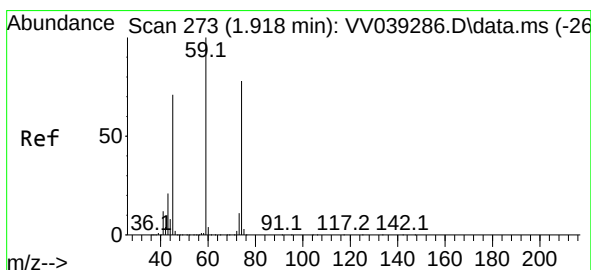
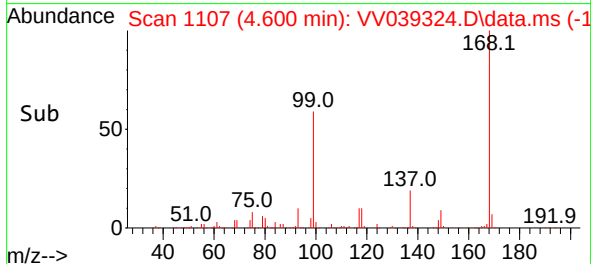
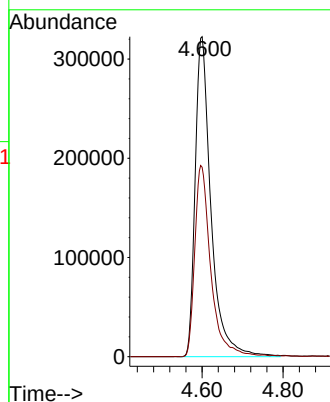
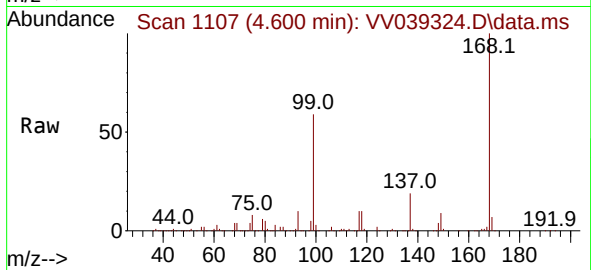




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

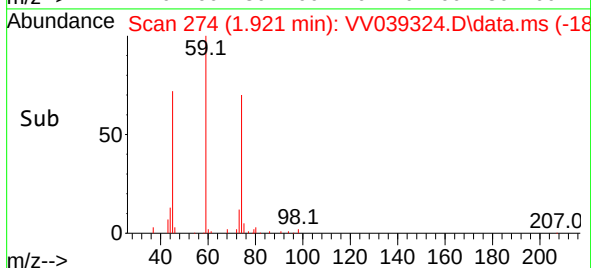
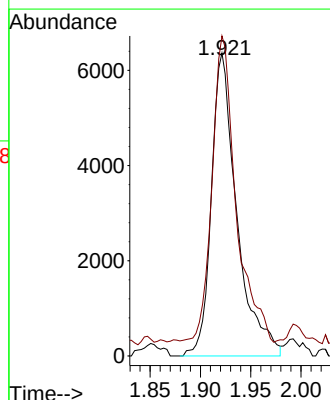
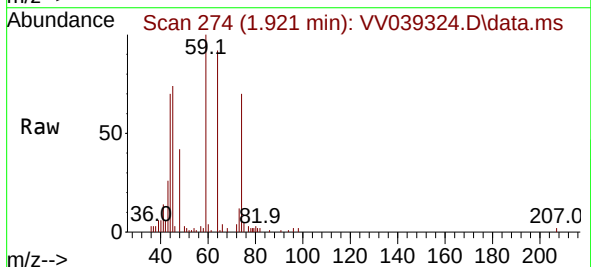
Instrument :
MSVOA_V
ClientSampleId :
MW-5

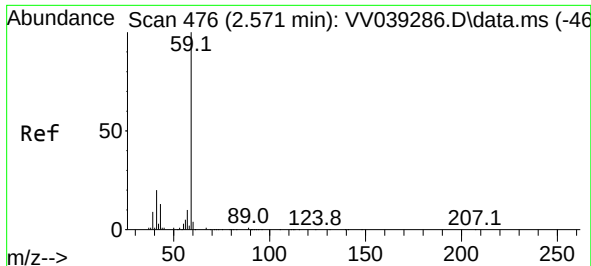
Tgt Ion:168 Resp: 875532
Ion Ratio Lower Upper
168 100
99 59.2 46.6 70.0



#8
Diethyl Ether
Concen: 1.546 ug/l
RT: 1.921 min Scan# 274
Delta R.T. 0.003 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Tgt Ion: 74 Resp: 11217
Ion Ratio Lower Upper
74 100
45 95.2 45.9 137.7

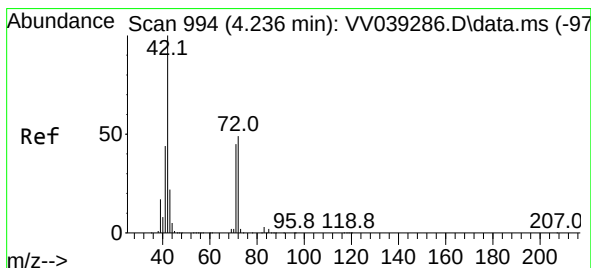
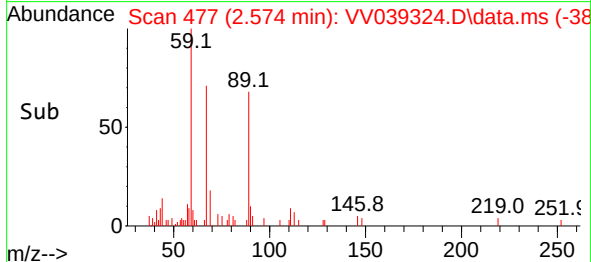
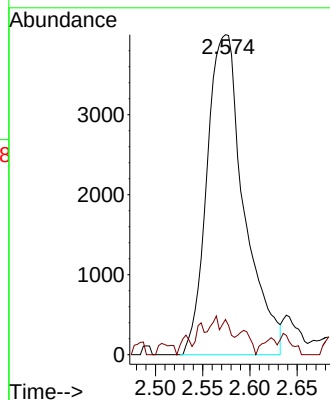
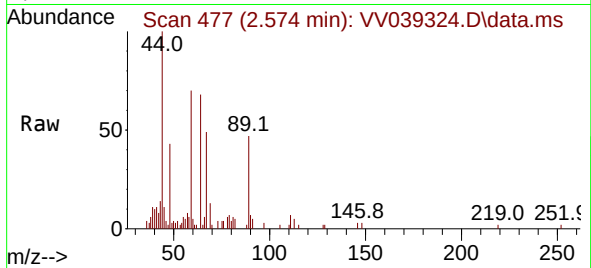




#11
Tert butyl alcohol
Concen: 4.523 ug/l
RT: 2.574 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

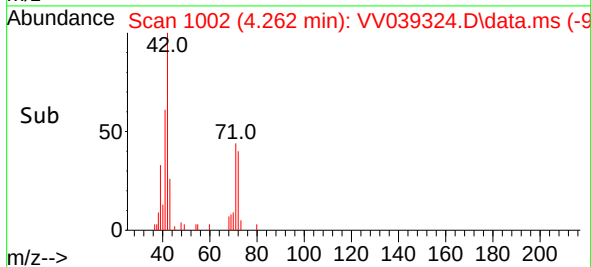
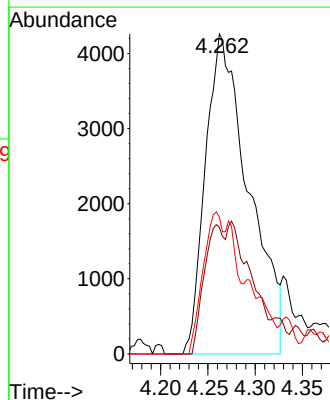
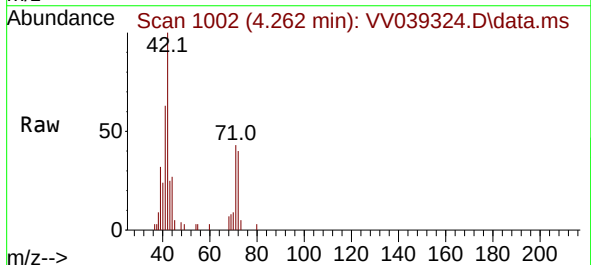
Instrument :
MSVOA_V
ClientSampleId :
MW-5

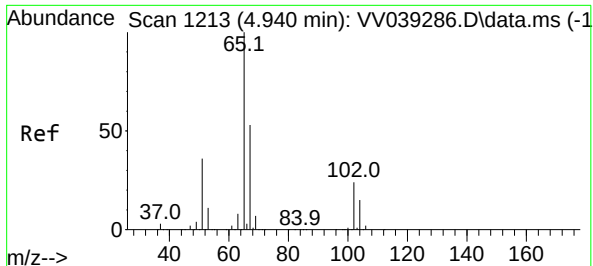
Tgt Ion: 59 Resp: 10906
Ion Ratio Lower Upper
59 100
57 0.7 8.1 12.1#



#29
Tetrahydrofuran
Concen: 2.789 ug/l
RT: 4.262 min Scan# 1002
Delta R.T. 0.026 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Tgt Ion: 42 Resp: 13566
Ion Ratio Lower Upper
42 100
72 19.4 39.8 59.8#
71 22.0 36.5 54.7#





#33

1,2-Dichloroethane-d4

Concen: 57.399 ug/l

RT: 4.937 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV039324.D

Acq: 04 Nov 2025 18:54

Instrument :

MSVOA_V

ClientSampleId :

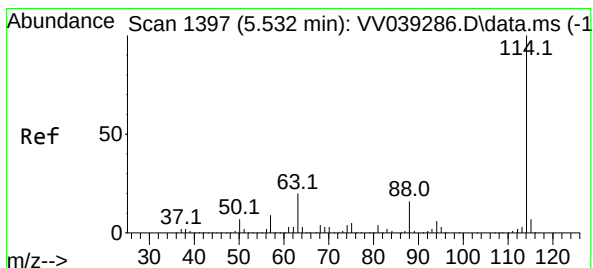
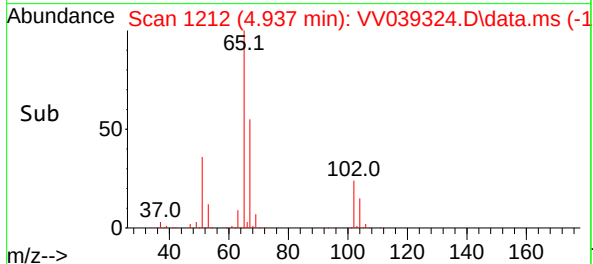
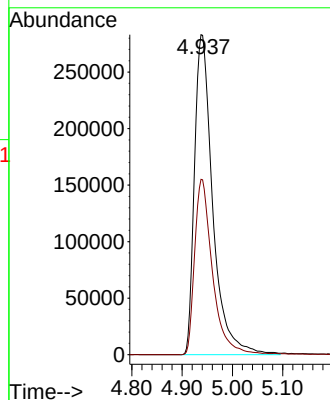
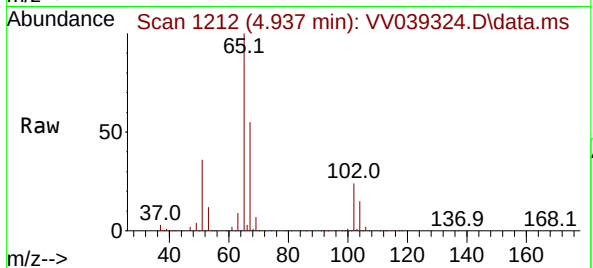
MW-5

Tgt Ion: 65 Resp: 714085

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VV039324.D

Acq: 04 Nov 2025 18:54

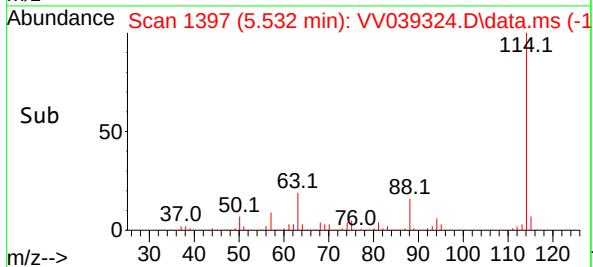
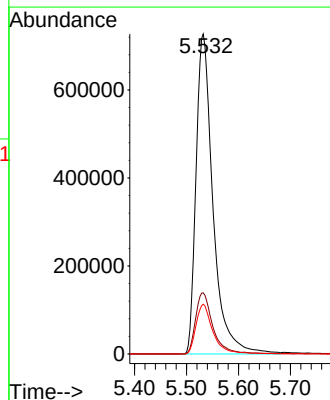
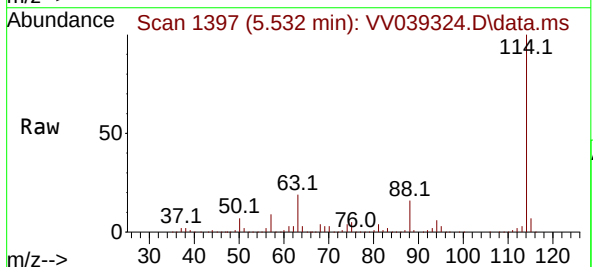
Tgt Ion: 114 Resp: 1648833

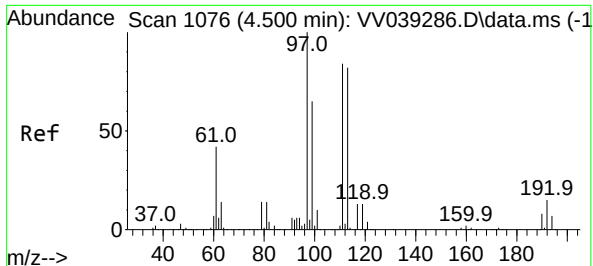
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.5 0.0 31.6

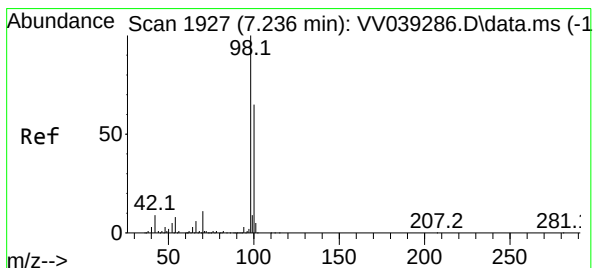
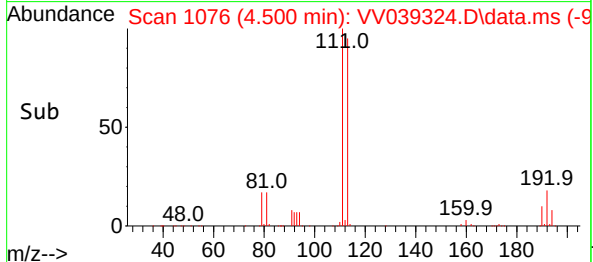
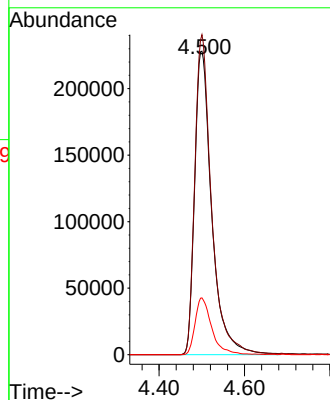
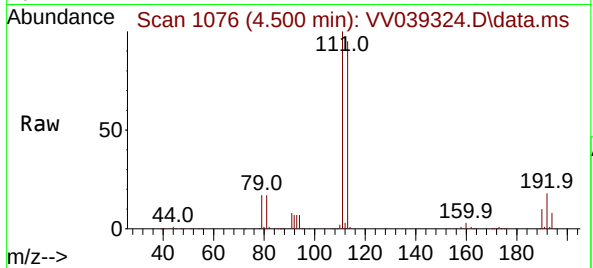




#35
Dibromofluoromethane
Concen: 48.765 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

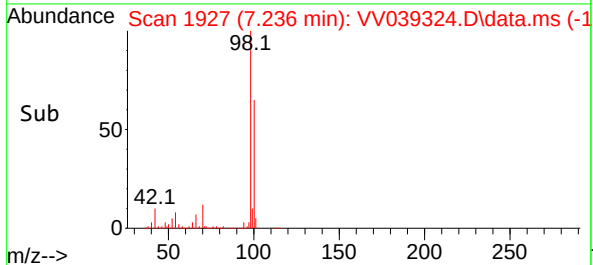
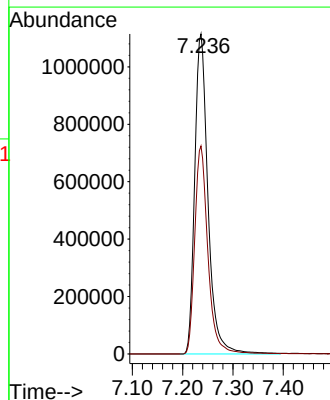
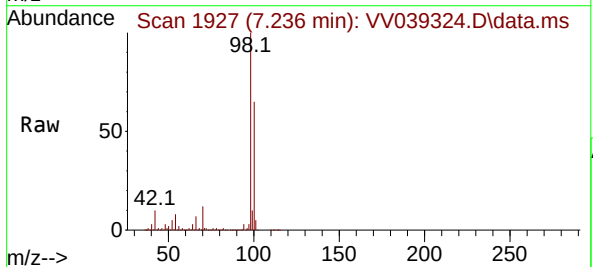
Instrument :
MSVOA_V
ClientSampleId :
MW-5

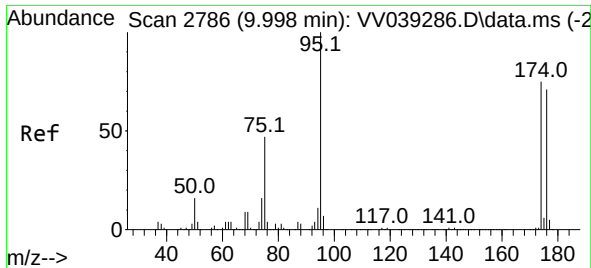
Tgt Ion:113 Resp: 633531
Ion Ratio Lower Upper
113 100
111 103.2 82.0 123.0
192 18.2 14.3 21.5



#50
Toluene-d8
Concen: 46.168 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Tgt Ion: 98 Resp: 2040496
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2

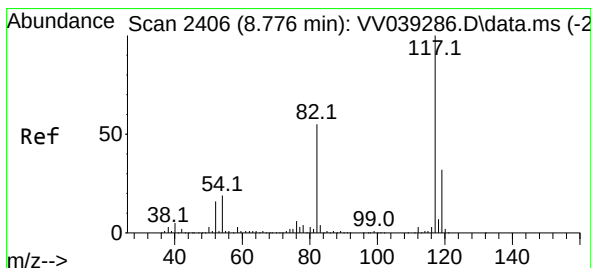
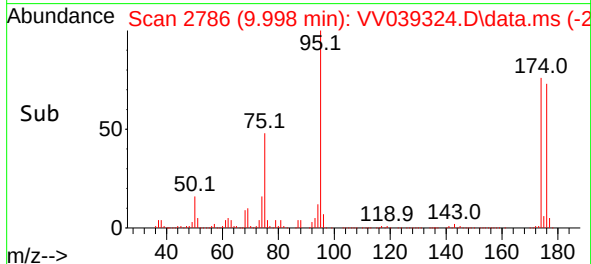
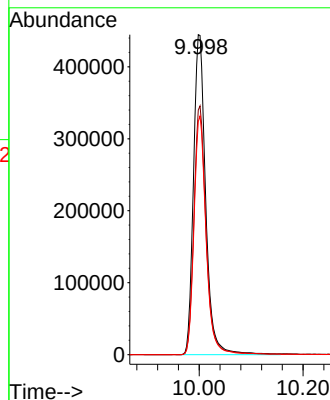
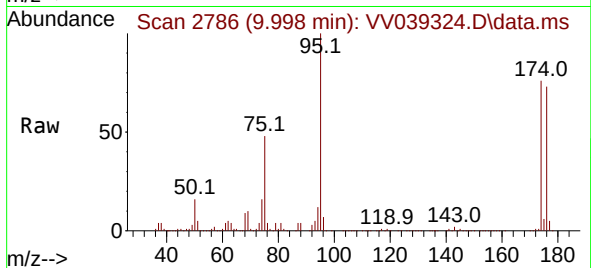




#62
4-Bromofluorobenzene
Concen: 46.176 ug/l
RT: 9.998 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

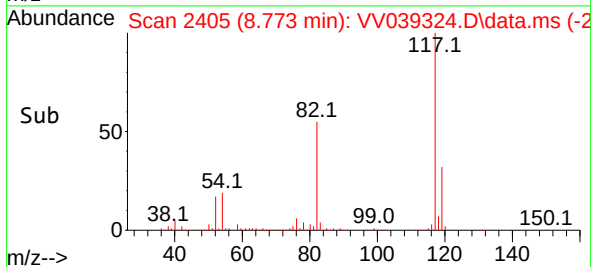
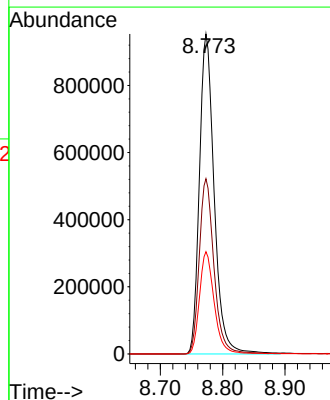
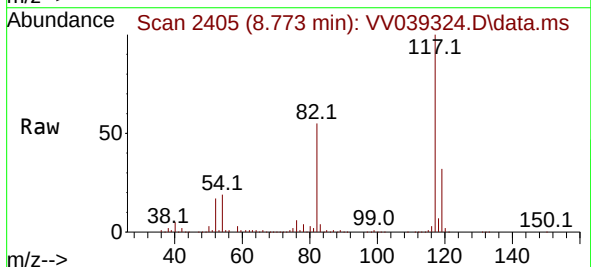
Instrument :
MSVOA_V
ClientSampleId :
MW-5

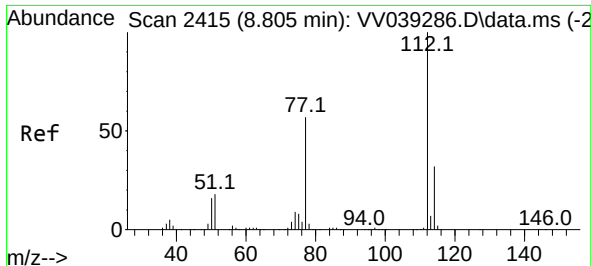
Tgt Ion: 95 Resp: 726818
Ion Ratio Lower Upper
95 100
174 77.3 0.0 153.6
176 73.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Tgt Ion: 117 Resp: 1570855
Ion Ratio Lower Upper
117 100
82 54.8 43.8 65.8
119 31.9 25.8 38.6

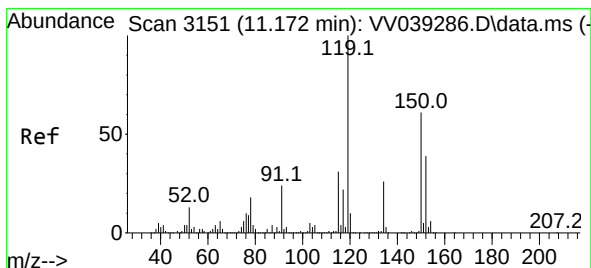
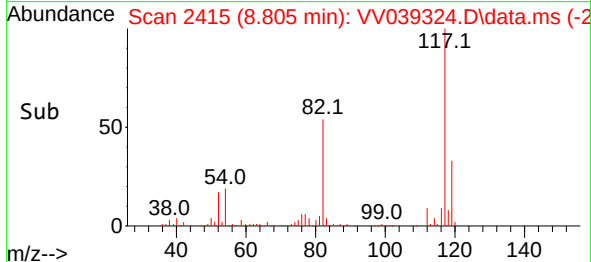
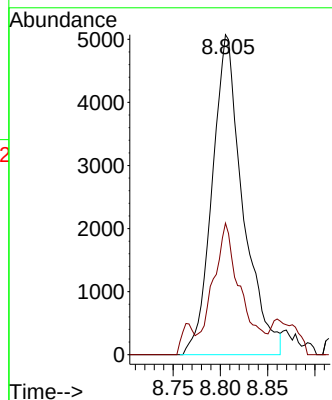
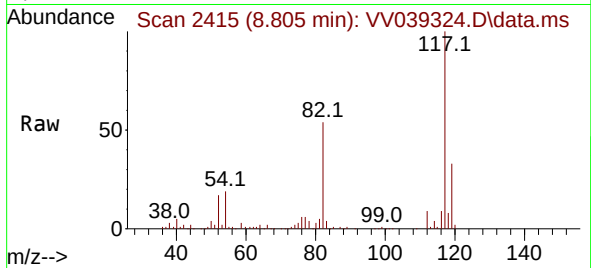




#65
Chlorobenzene
Concen: 0.308 ug/l
RT: 8.805 min Scan# 2415
Delta R.T. 0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Tgt Ion:112 Resp: 11439
Ion Ratio Lower Upper
112 100
114 37.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Tgt Ion:152 Resp: 731965
Ion Ratio Lower Upper
152 100
115 60.8 42.3 126.8
150 157.5 0.0 348.0

