

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039218.D
 Acq On : 26 Sep 2025 17:13
 Operator : SY/MD
 Sample : Q3195-19
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-33D-091725

Quant Time: Sep 29 07:54:05 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)

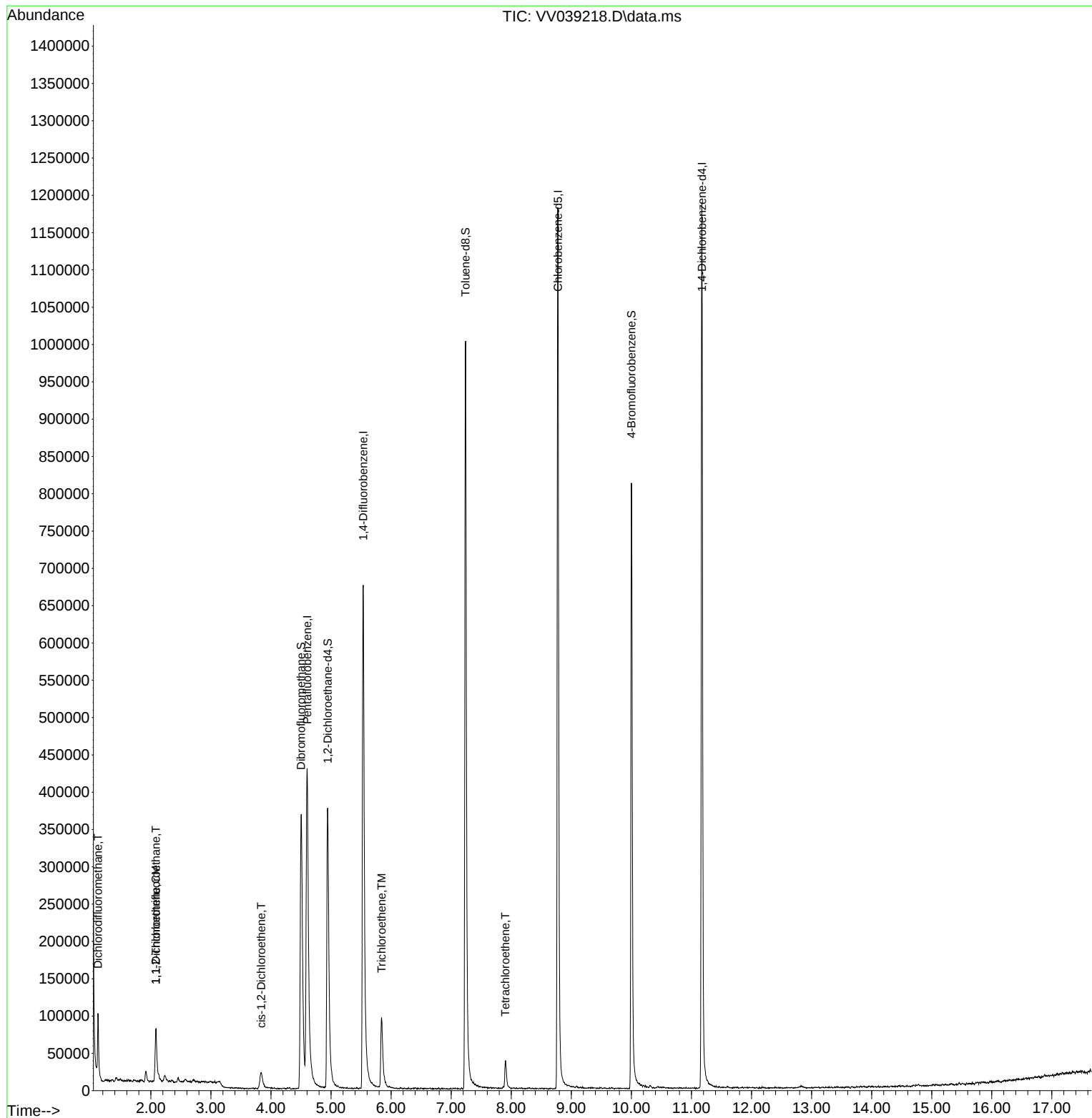
Internal Standards						
1) Pentafluorobenzene	4.603	168	365701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	671850	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	688047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	318013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	336265	63.533	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 127.060%#	
35) Dibromofluoromethane	4.503	113	314137	58.161	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 116.320%	
50) Toluene-d8	7.239	98	747340	47.112	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 94.220%	
62) 4-Bromofluorobenzene	10.001	95	282200	43.213	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 86.420%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	60345	10.424	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.085	101	30049	5.243	ug/l	99
12) 1,1-Dichloroethene	2.085	96	2302	0.417	ug/l #	71
27) cis-1,2-Dichloroethene	3.838	96	10444	1.613	ug/l	45
44) Trichloroethene	5.841	130	41354	6.739	ug/l	96
64) Tetrachloroethene	7.902	164	9610	1.668	ug/l	95

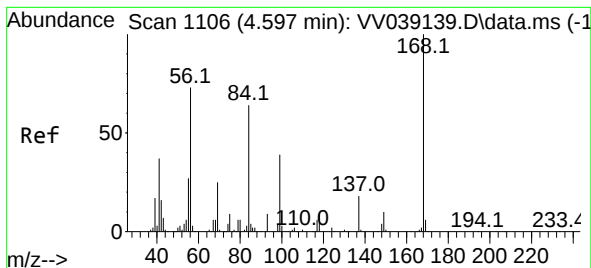
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.603 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV039218.D

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Instrument :

MSVOA_V

ClientSampleId :

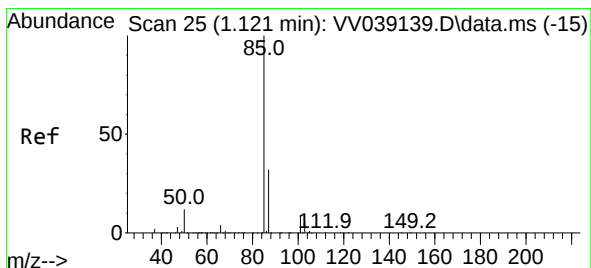
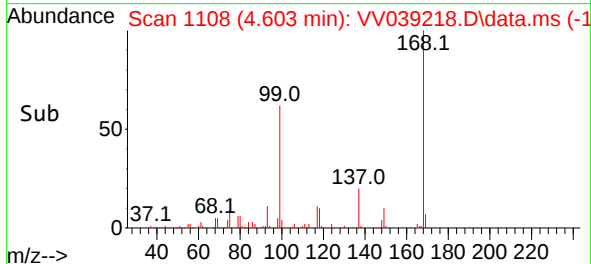
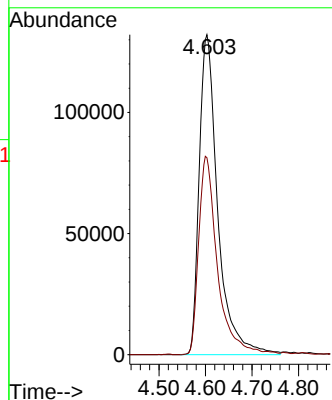
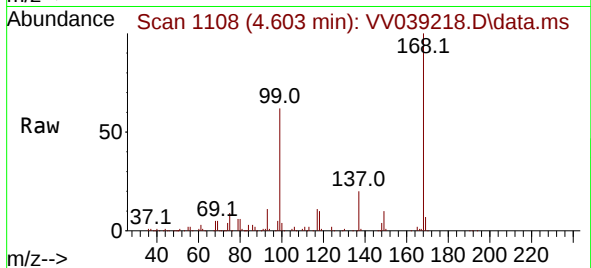
MW-33D-091725

Tgt Ion:168 Resp: 365701

Ion Ratio Lower Upper

168 100

99 61.6 49.6 74.4



#2

Dichlorodifluoromethane

Concen: 10.424 ug/l

RT: 1.121 min Scan# 25

Delta R.T. -0.000 min

Lab File: VV039218.D

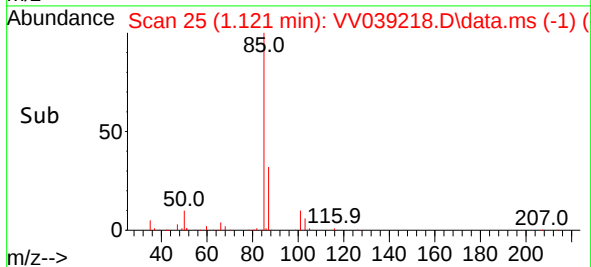
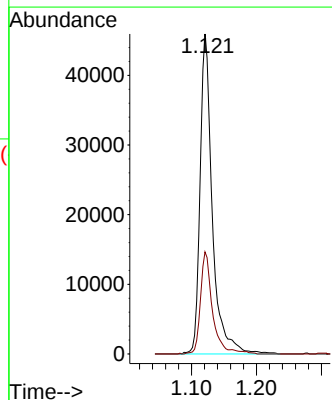
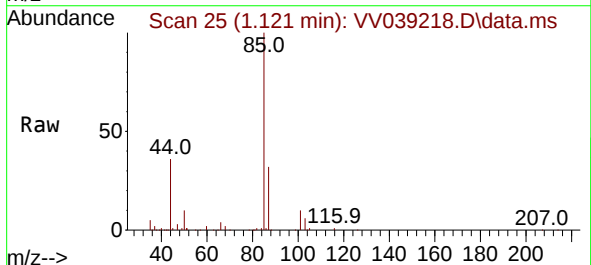
Acq: 26 Sep 2025 17:13

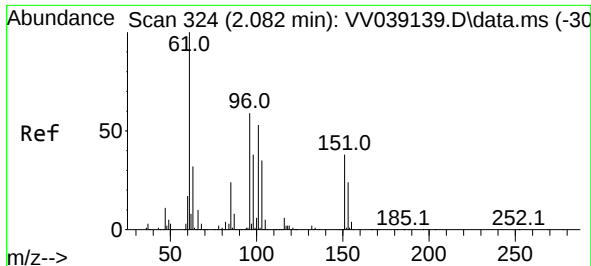
Tgt Ion: 85 Resp: 60345

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9

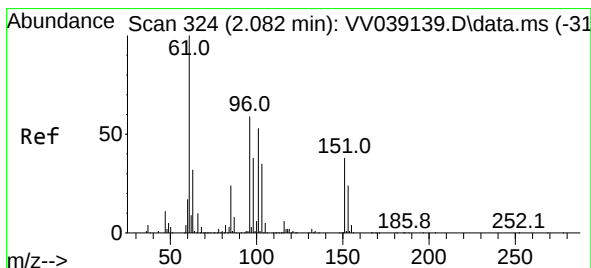
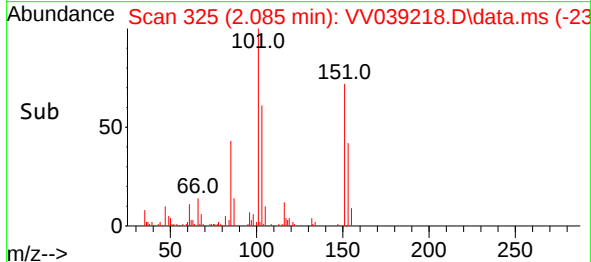
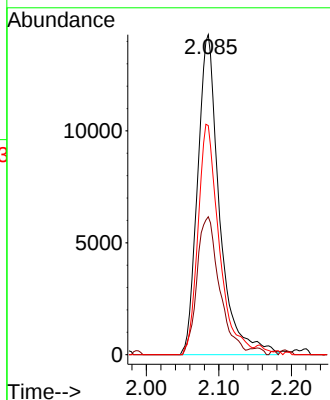
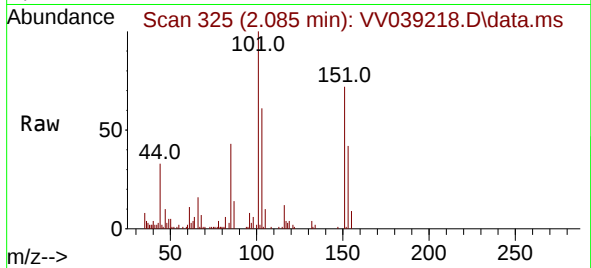




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.243 ug/l
RT: 2.085 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

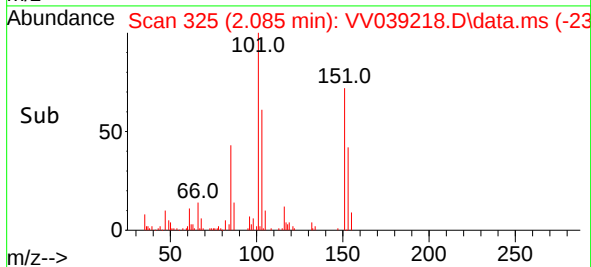
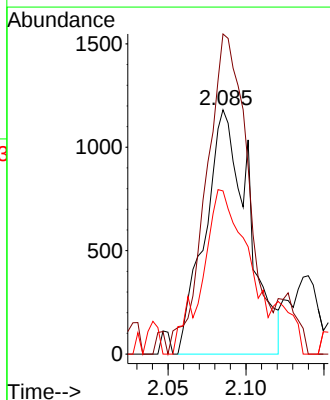
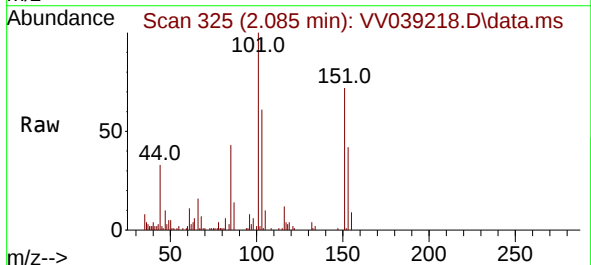
Instrument :
MSVOA_V
ClientSampleId :
MW-33D-091725

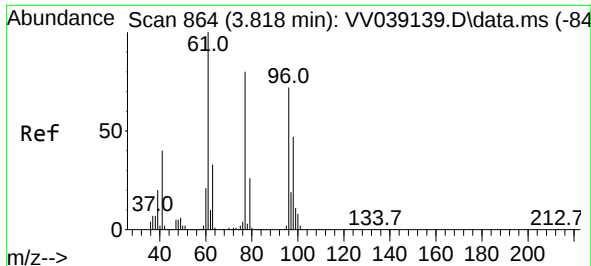
Tgt Ion:101 Resp: 30049
Ion Ratio Lower Upper
101 100
85 44.2 36.2 54.2
151 69.2 56.3 84.5



#12
1,1-Dichloroethene
Concen: 0.417 ug/l
RT: 2.085 min Scan# 325
Delta R.T. 0.003 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 96 Resp: 2302
Ion Ratio Lower Upper
96 100
61 120.2 136.0 204.0#
98 55.5 51.0 76.6





#27

cis-1,2-Dichloroethene

Concen: 1.613 ug/l

RT: 3.838 min Scan# 81

Delta R.T. 0.019 min

Lab File: VV039218.D

Acq: 26 Sep 2025 17:13

Instrument :

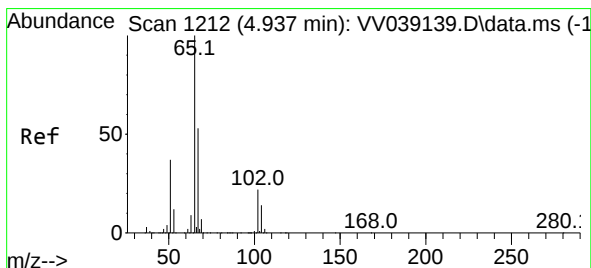
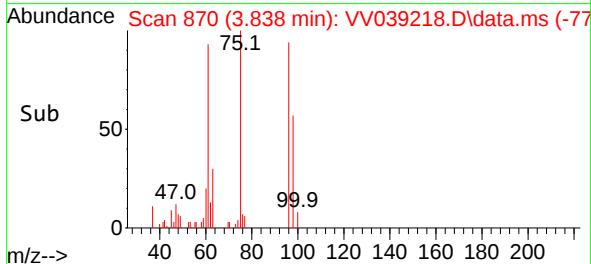
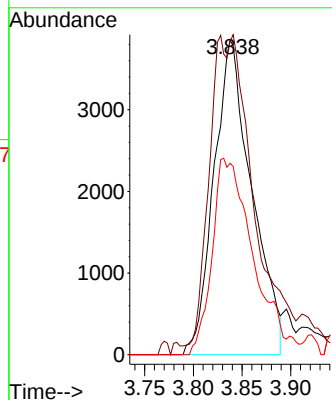
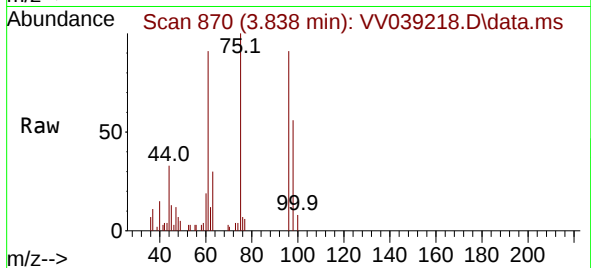
MSVOA_V

ClientSampleId :

MW-33D-091725

Tgt Ion: 96 Resp: 10444

Ion	Ratio	Lower	Upper
96	100		
61	47.2	0.0	286.4
98	65.9	0.0	126.6



#33

1,2-Dichloroethane-d4

Concen: 63.533 ug/l

RT: 4.944 min Scan# 1214

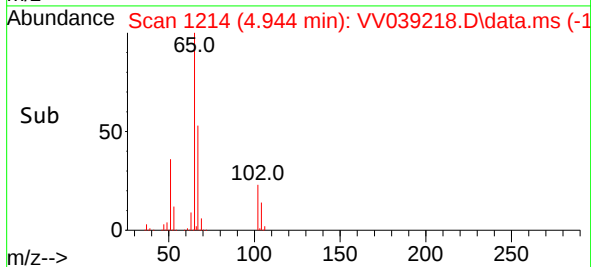
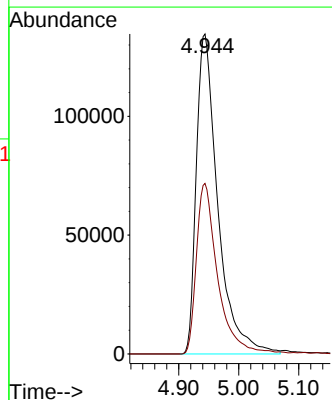
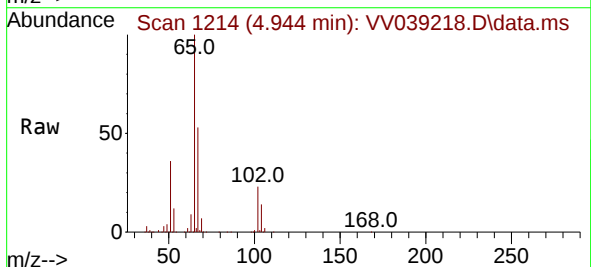
Delta R.T. 0.006 min

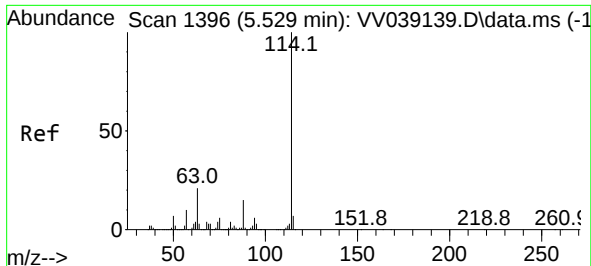
Lab File: VV039218.D

Acq: 26 Sep 2025 17:13

Tgt Ion: 65 Resp: 336265

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	107.0

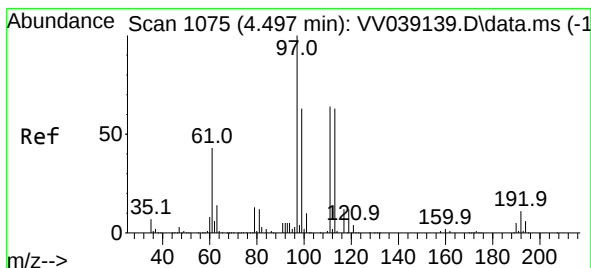
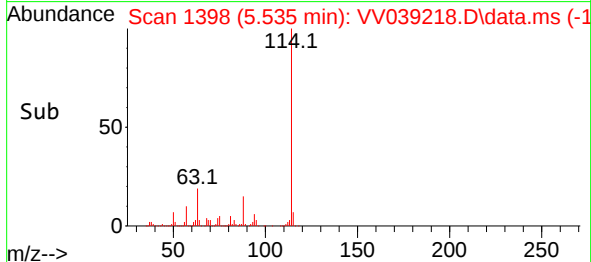
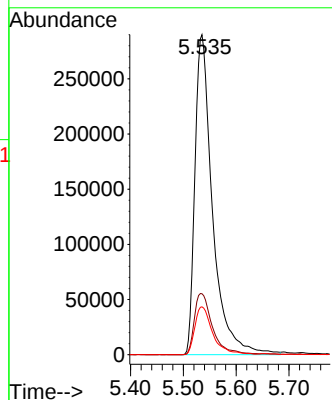
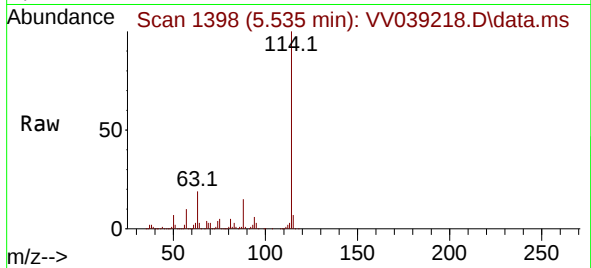




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

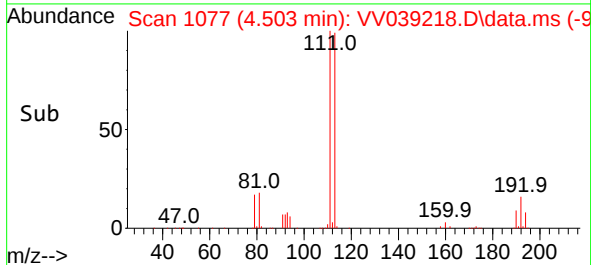
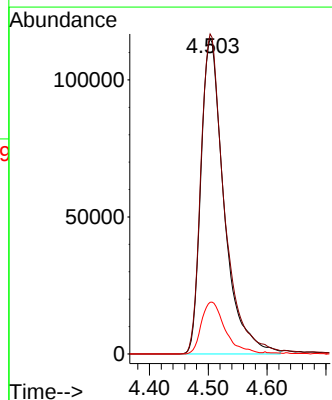
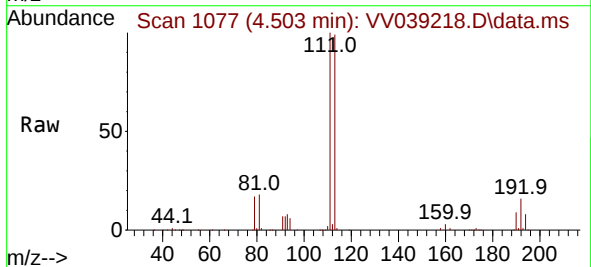
Instrument :
MSVOA_V
ClientSampleId :
MW-33D-091725

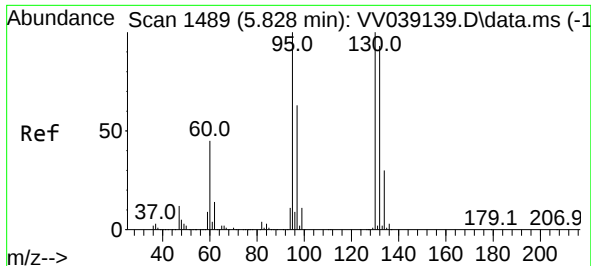
Tgt Ion:114 Resp: 671850
Ion Ratio Lower Upper
114 100
63 19.0 0.0 42.6
88 14.9 0.0 30.8



#35
Dibromofluoromethane
Concen: 58.161 ug/l
RT: 4.503 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion:113 Resp: 314137
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 17.0 13.8 20.8

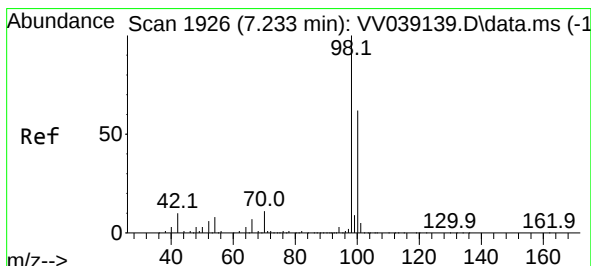
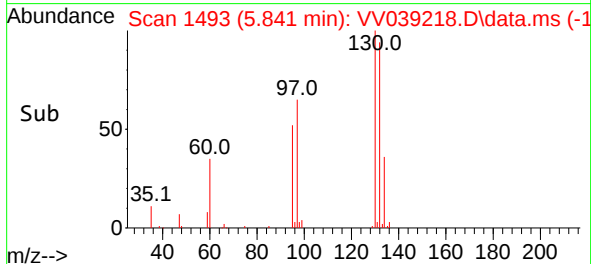
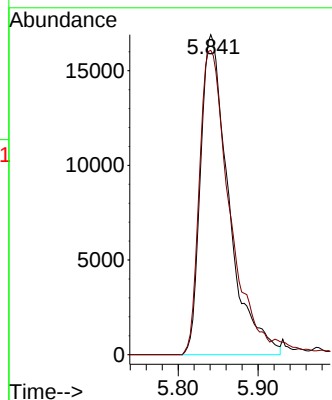
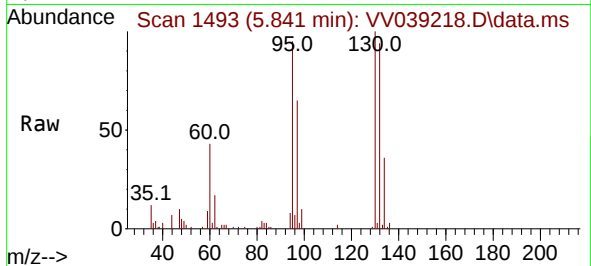




#44
Trichloroethene
Concen: 6.739 ug/l
RT: 5.841 min Scan# 1489
Delta R.T. 0.013 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

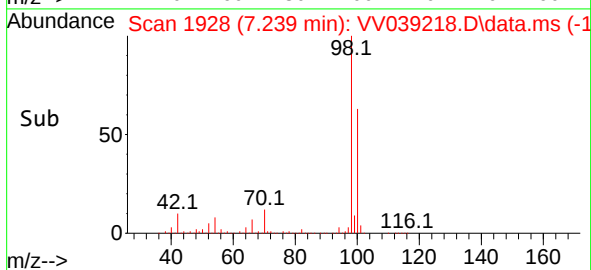
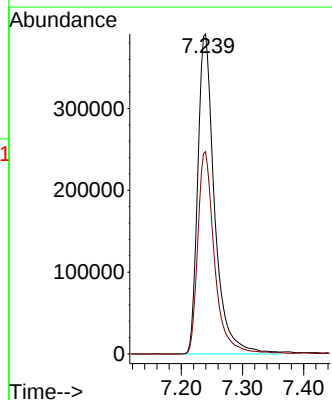
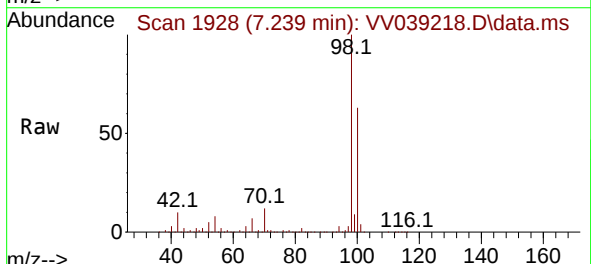
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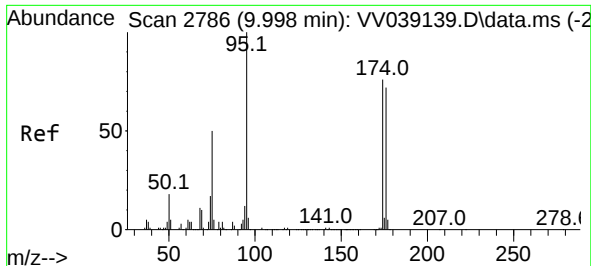
Tgt Ion:130 Resp: 41354
Ion Ratio Lower Upper
130 100
95 95.1 0.0 199.2



#50
Toluene-d8
Concen: 47.112 ug/l
RT: 7.239 min Scan# 1928
Delta R.T. 0.006 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 98 Resp: 747340
Ion Ratio Lower Upper
98 100
100 62.9 52.2 78.2

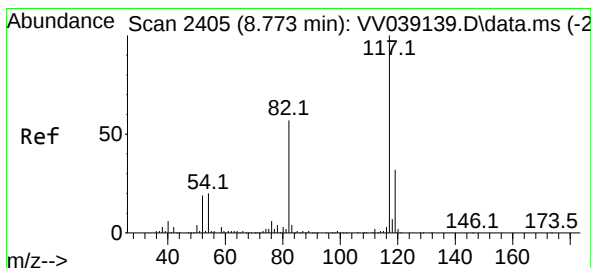
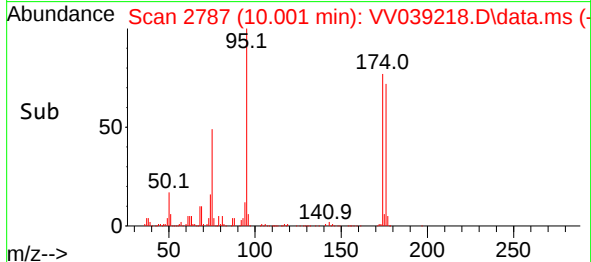
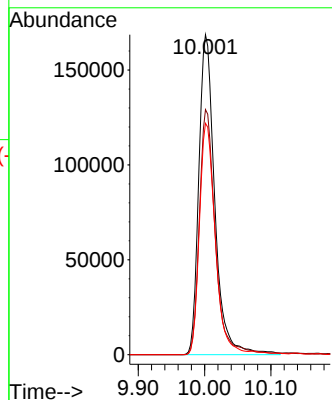
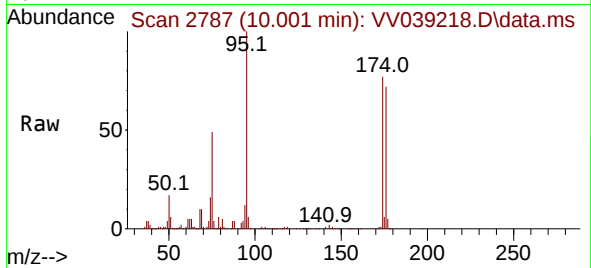




#62
4-Bromofluorobenzene
Concen: 43.213 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

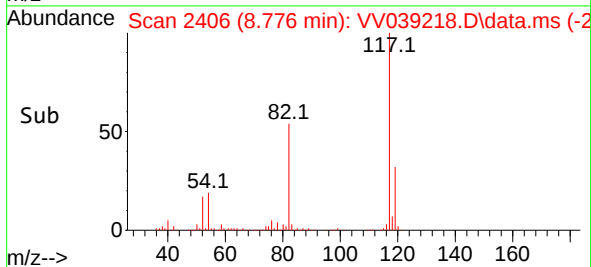
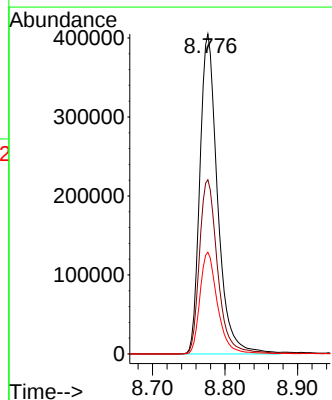
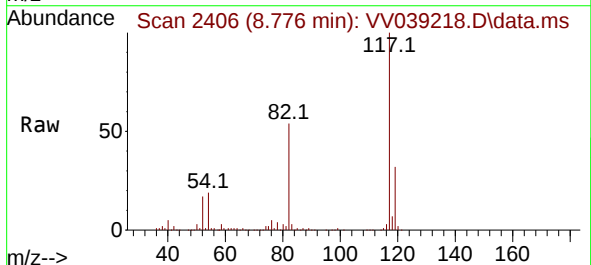
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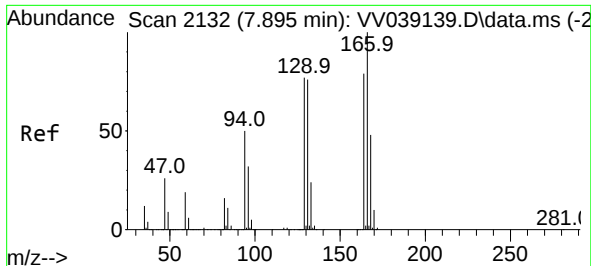
Tgt Ion: 95 Resp: 282200
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.4
176 71.4 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 117 Resp: 688047
Ion Ratio Lower Upper
117 100
82 54.4 45.4 68.2
119 31.8 25.6 38.4

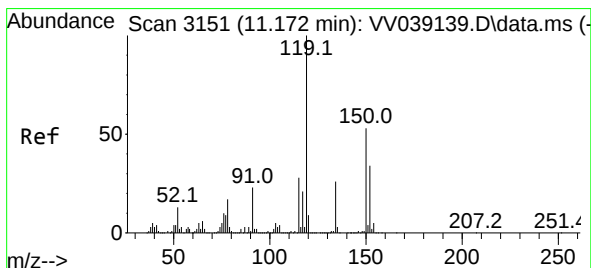
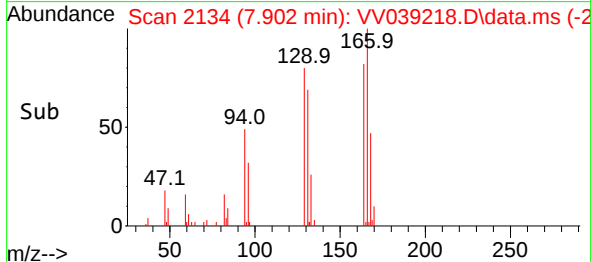
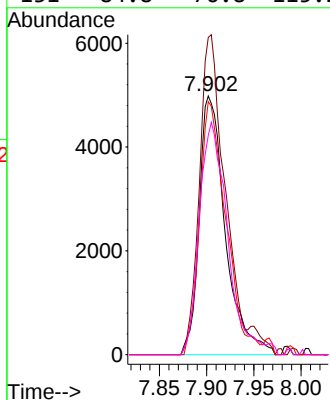
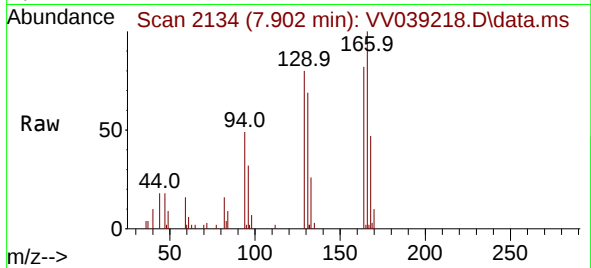




#64
Tetrachloroethene
Concen: 1.668 ug/l
RT: 7.902 min Scan# 2134
Delta R.T. 0.006 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion:164	Resp:	9610	
Ion	Ratio	Lower	Upper
164	100		
166	122.7	101.6	152.4
129	97.8	78.5	117.7
131	84.8	76.8	115.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion:152	Resp:	318013	
Ion	Ratio	Lower	Upper
152	100		
115	60.9	44.8	134.4
150	156.2	0.0	353.8

