

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039215.D
 Acq On : 26 Sep 2025 16:05
 Operator : SY/MD
 Sample : Q3195-16
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-31D-091825

Quant Time: Sep 29 07:52:22 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)

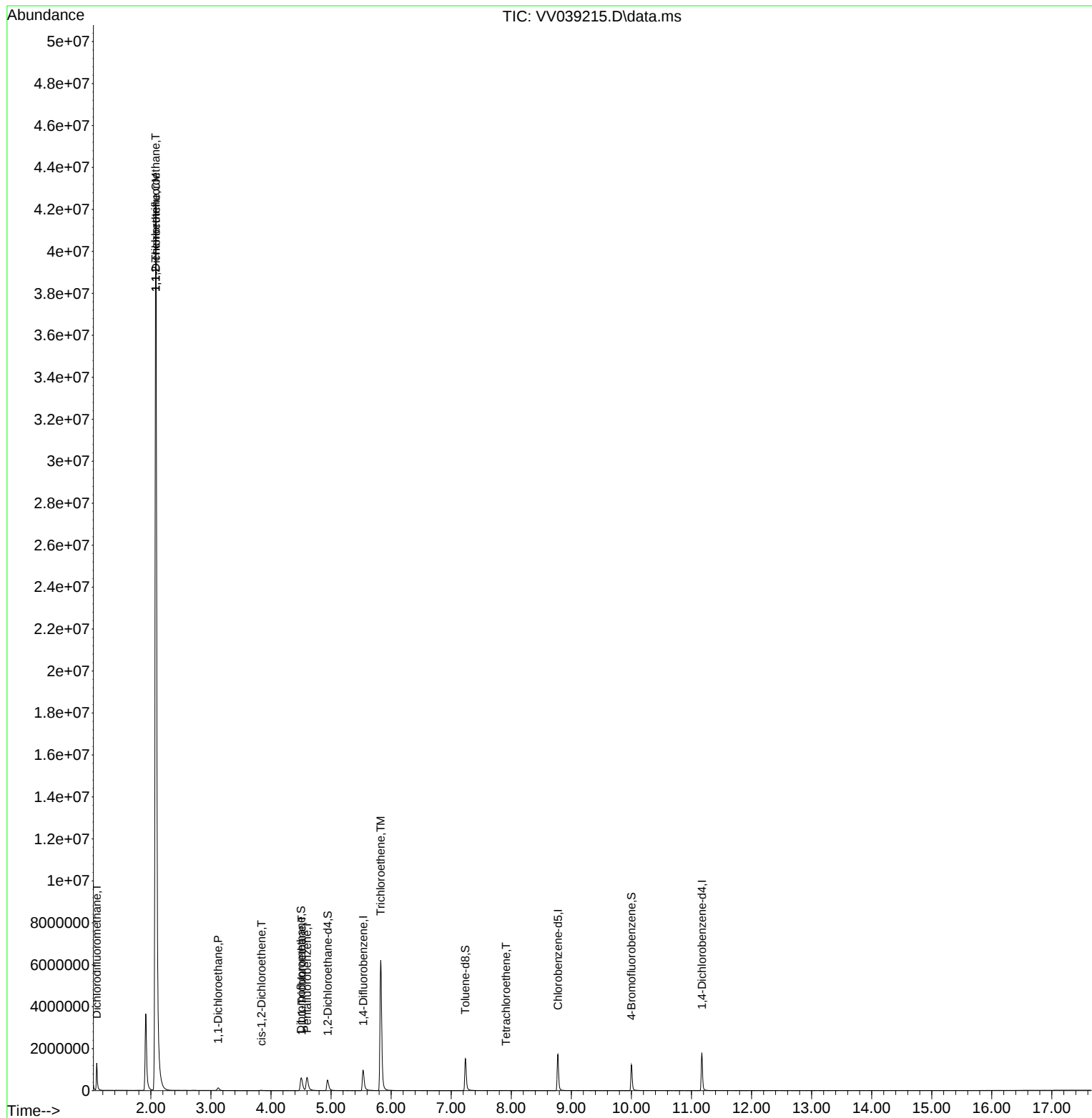
Internal Standards						
1) Pentafluorobenzene	4.600	168	523421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	967034	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	980974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	469900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	446631	58.958	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 117.920%	
35) Dibromofluoromethane	4.500	113	425088	54.680	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 109.360%	
50) Toluene-d8	7.236	98	1101338	48.235	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 96.460%	
62) 4-Bromofluorobenzene	10.001	95	412962	43.934	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 87.860%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.098	85	167927	20.267	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.079	101	18545285	2260.702	ug/l	98
12) 1,1-Dichloroethene	2.082	96	135533	17.174	ug/l #	74
24) 1,1-Dichloroethane	3.121	63	146490	8.881	ug/l	99
27) cis-1,2-Dichloroethene	3.841	96	7318	0.790	ug/l	70
32) 1,1,1-Trichloroethane	4.513	97	121865	8.173	ug/l	97
44) Trichloroethene	5.828	130	2364403	267.708	ug/l	98
64) Tetrachloroethene	7.911	164	2084	0.254	ug/l	89

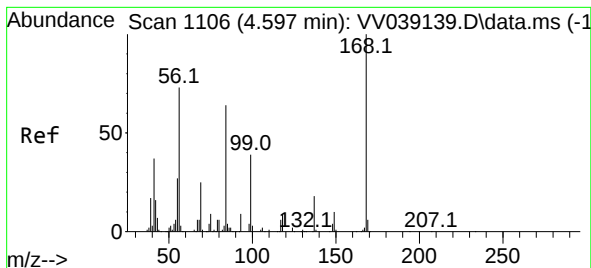
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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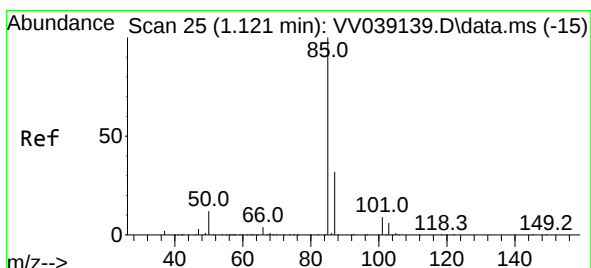
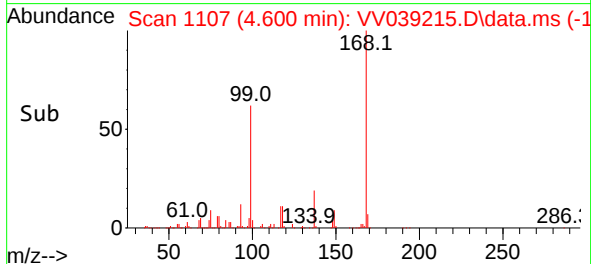
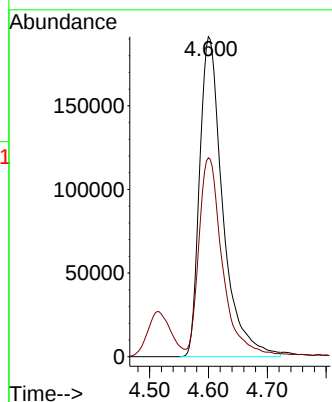
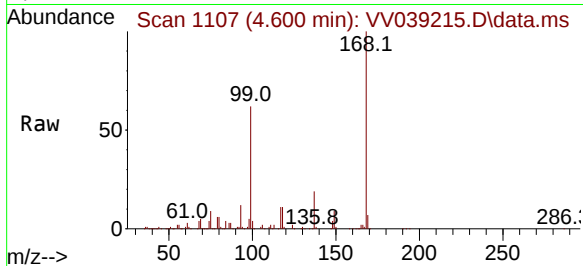




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039215.D
Acq: 26 Sep 2025 16:05

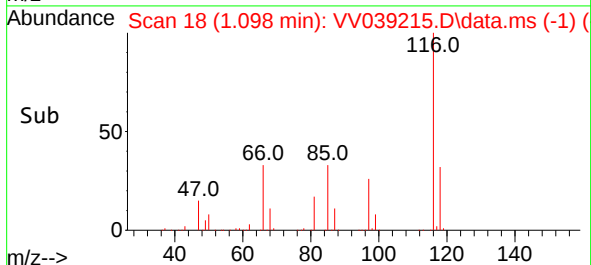
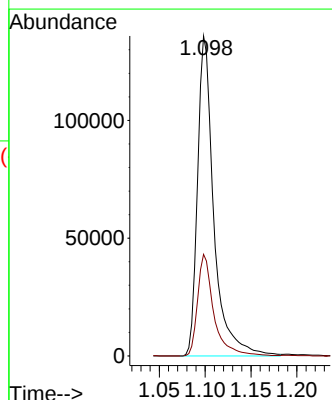
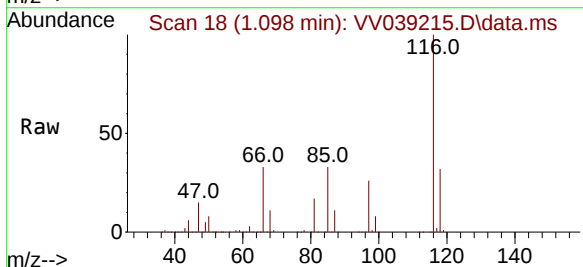
Instrument :
MSVOA_V
ClientSampleId :
MW-31D-091825

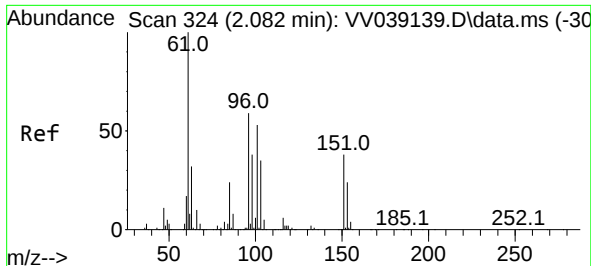
Tgt Ion:168 Resp: 523421
Ion Ratio Lower Upper
168 100
99 61.2 49.6 74.4



#2
Dichlorodifluoromethane
Concen: 20.267 ug/l
RT: 1.098 min Scan# 18
Delta R.T. -0.023 min
Lab File: VV039215.D
Acq: 26 Sep 2025 16:05

Tgt Ion: 85 Resp: 167927
Ion Ratio Lower Upper
85 100
87 31.7 16.0 47.9



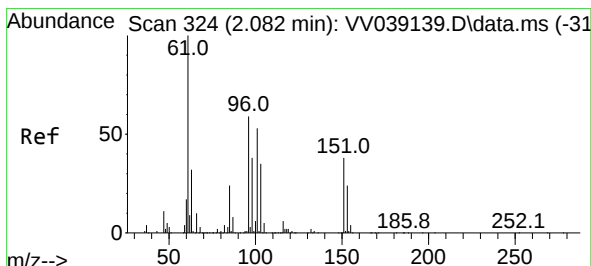
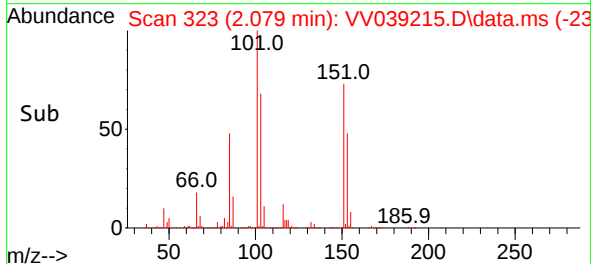
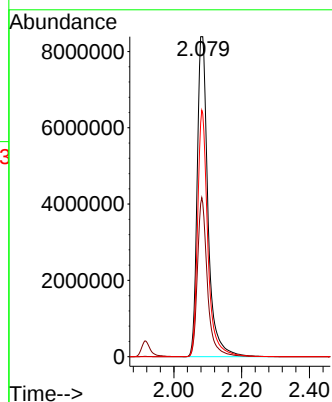
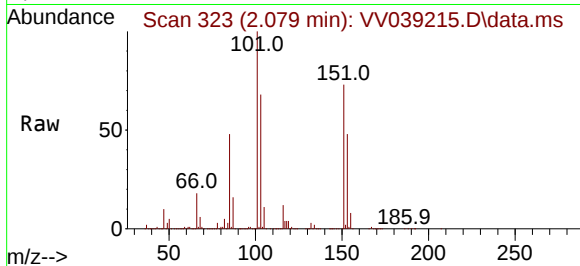


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 2260.702 ug/l
 RT: 2.079 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV039215.D
 Acq: 26 Sep 2025 16:05

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-31D-091825

Tgt Ion:101 Resp:18545285

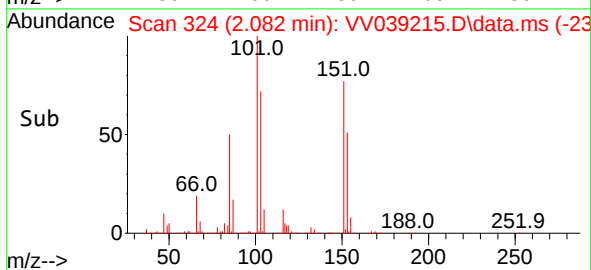
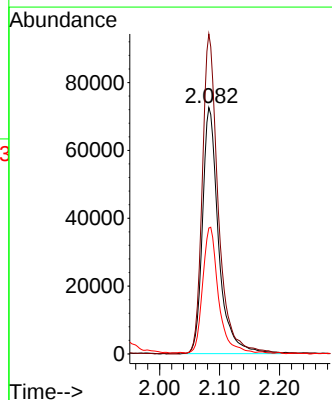
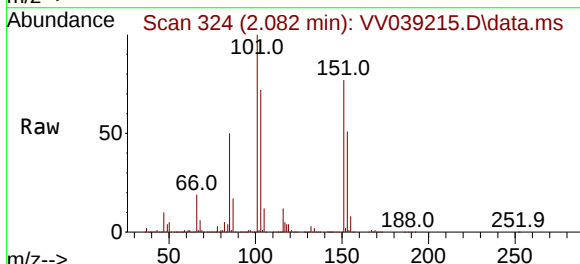
Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.2	54.2
151	73.1	56.3	84.5

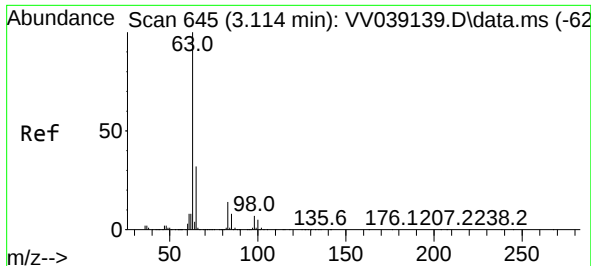


#12
 1,1-Dichloroethene
 Concen: 17.174 ug/l
 RT: 2.082 min Scan# 324
 Delta R.T. -0.000 min
 Lab File: VV039215.D
 Acq: 26 Sep 2025 16:05

Tgt Ion: 96 Resp: 135533

Ion	Ratio	Lower	Upper
96	100		
61	130.1	136.0	204.0#
98	50.7	51.0	76.6#

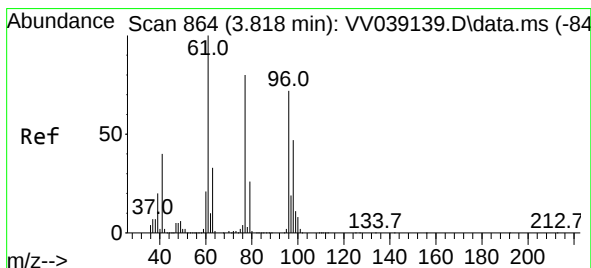
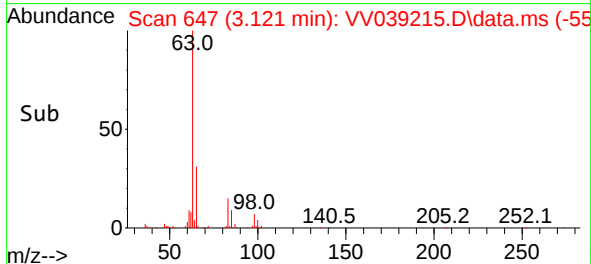
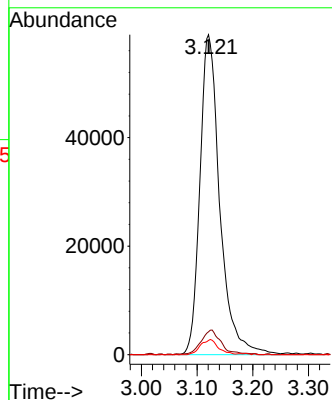
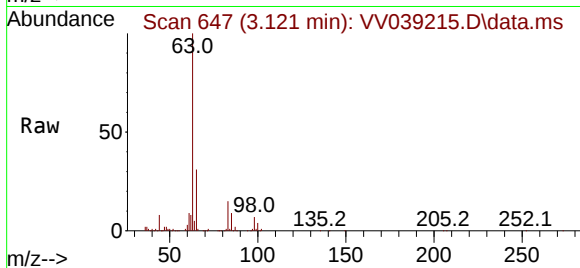




#24
1,1-Dichloroethane
Concen: 8.881 ug/l
RT: 3.121 min Scan# 645
Delta R.T. 0.006 min
Lab File: VV039215.D
Acq: 26 Sep 2025 16:05

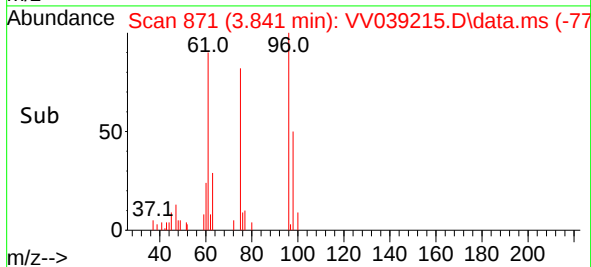
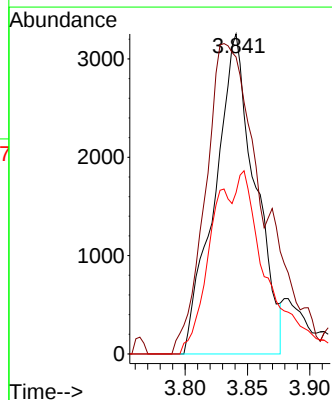
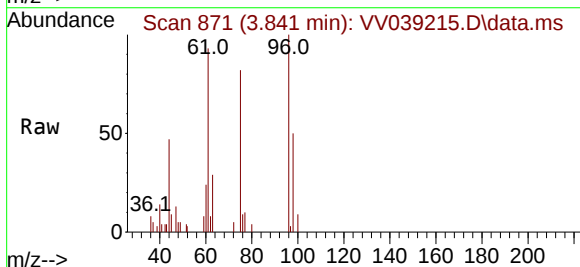
Instrument :
MSVOA_V
ClientSampleId :
MW-31D-091825

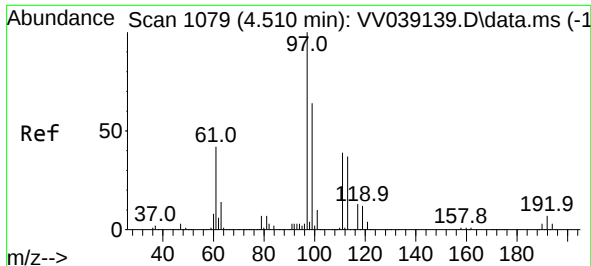
Tgt Ion: 63 Resp: 146490
Ion Ratio Lower Upper
63 100
98 7.2 3.4 10.2
100 4.5 2.2 6.6



#27
cis-1,2-Dichloroethene
Concen: 0.790 ug/l
RT: 3.841 min Scan# 871
Delta R.T. 0.022 min
Lab File: VV039215.D
Acq: 26 Sep 2025 16:05

Tgt Ion: 96 Resp: 7318
Ion Ratio Lower Upper
96 100
61 112.0 0.0 286.4
98 32.4 0.0 126.6





#32

1,1,1-Trichloroethane

Concen: 8.173 ug/l

RT: 4.513 min Scan# 1079

Delta R.T. 0.003 min

Lab File: VV039215.D

Acq: 26 Sep 2025 16:05

Instrument :

MSVOA_V

ClientSampleId :

MW-31D-091825

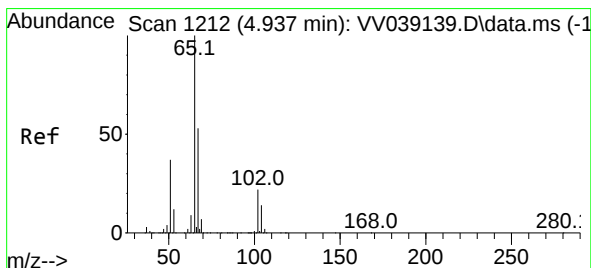
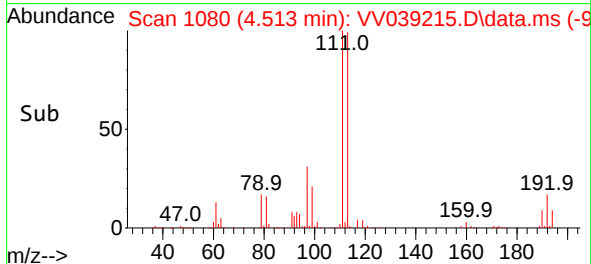
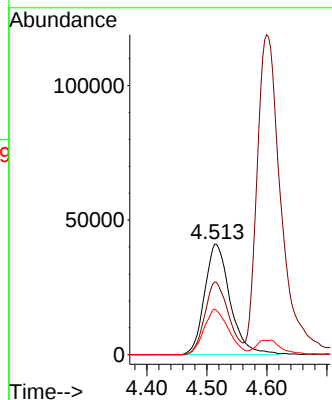
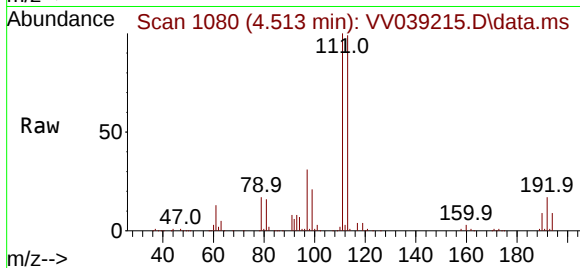
Tgt Ion: 97 Resp: 121865

Ion Ratio Lower Upper

97 100

99 61.4 49.6 74.4

61 39.8 34.5 51.7



#33

1,2-Dichloroethane-d4

Concen: 58.958 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VV039215.D

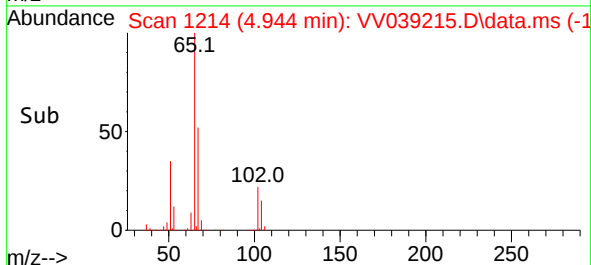
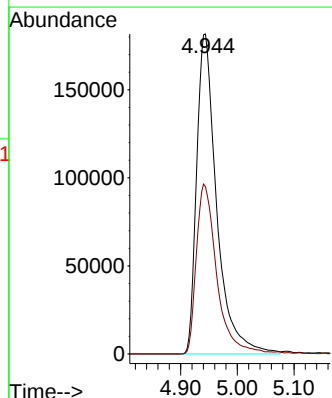
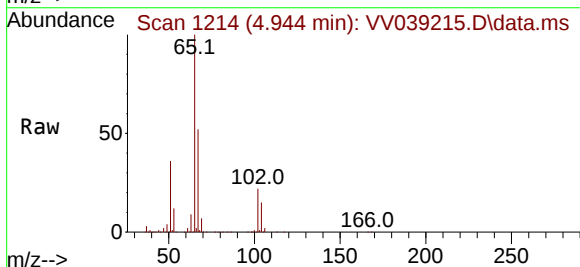
Acq: 26 Sep 2025 16:05

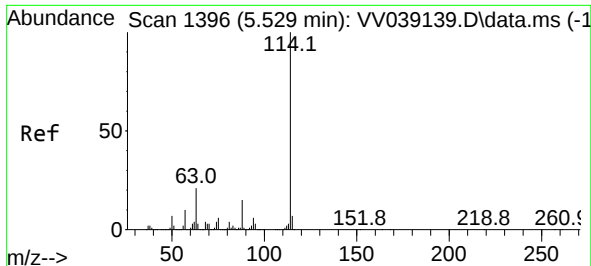
Tgt Ion: 65 Resp: 446631

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039215.D

Acq: 26 Sep 2025 16:05

Instrument :

MSVOA_V

ClientSampleId :

MW-31D-091825

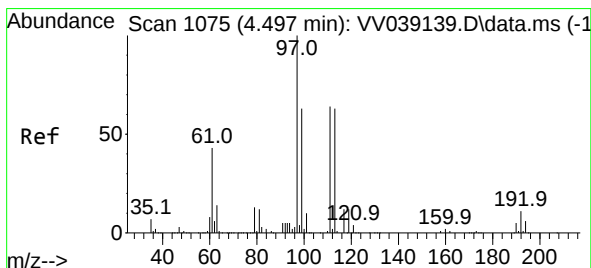
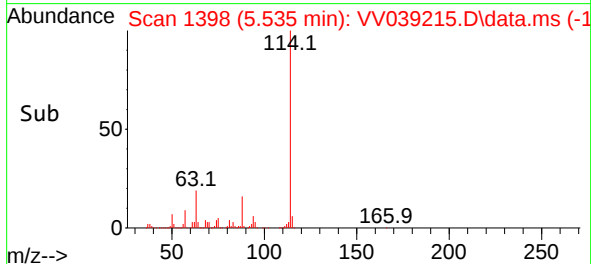
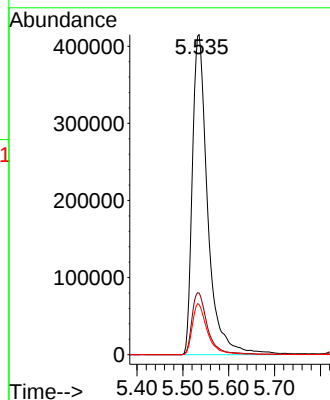
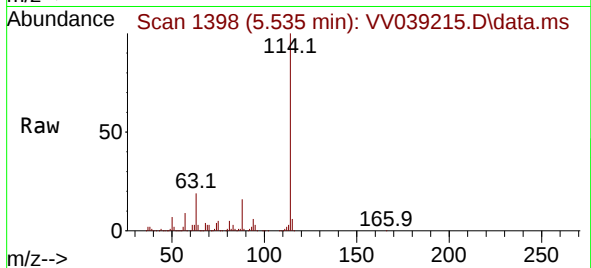
Tgt Ion:114 Resp: 967034

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.6

88 15.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 54.680 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.003 min

Lab File: VV039215.D

Acq: 26 Sep 2025 16:05

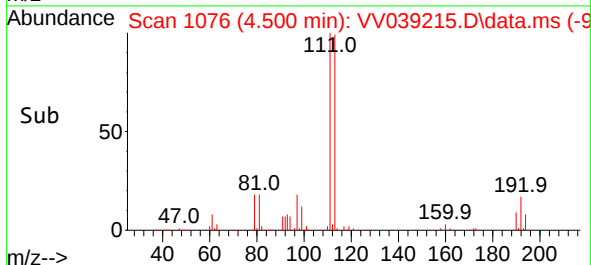
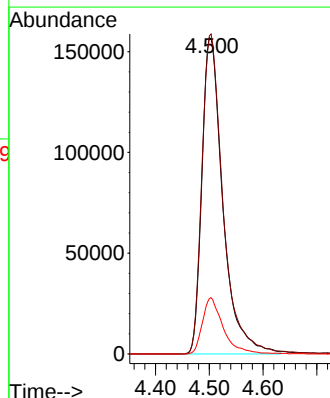
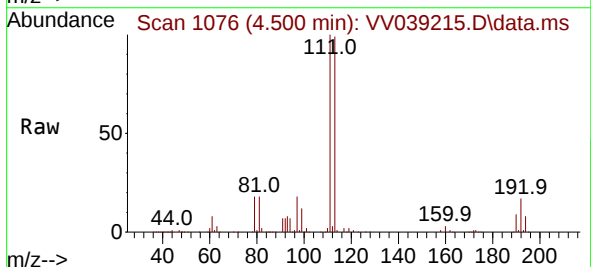
Tgt Ion:113 Resp: 425088

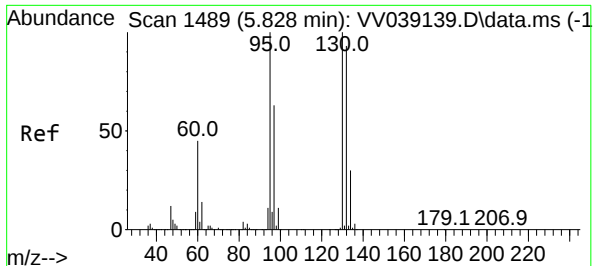
Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

192 17.5 13.8 20.8

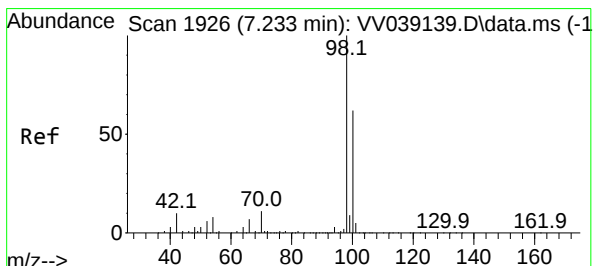
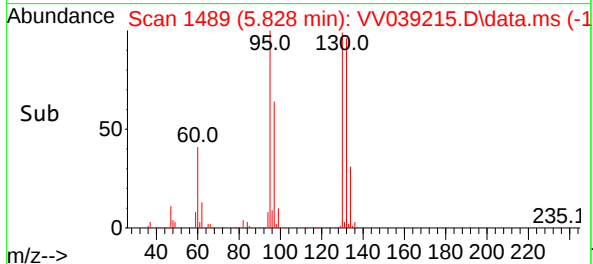
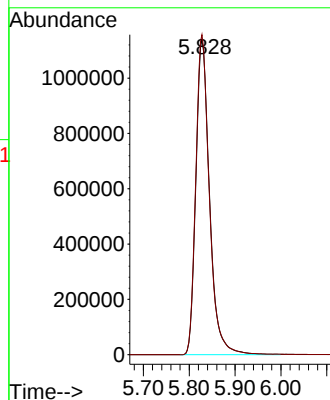
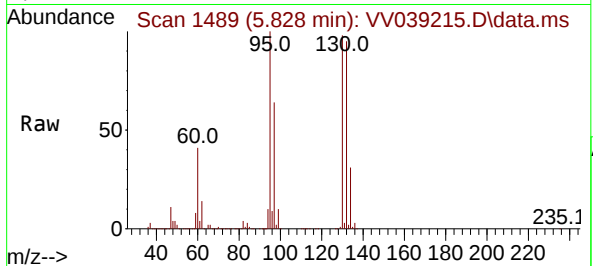




#44
 Trichloroethene
 Concen: 267.708 ug/l
 RT: 5.828 min Scan# 1489
 Delta R.T. -0.000 min
 Lab File: VV039215.D
 Acq: 26 Sep 2025 16:05

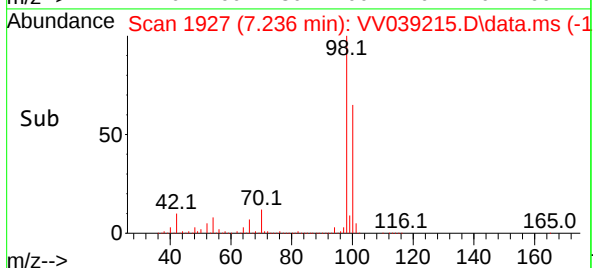
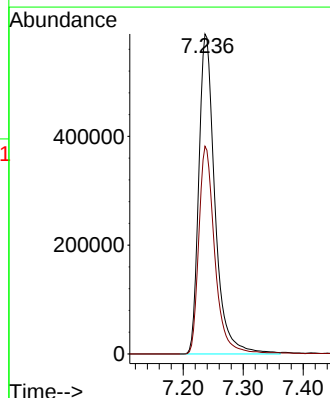
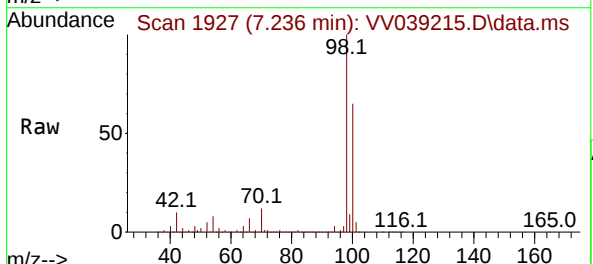
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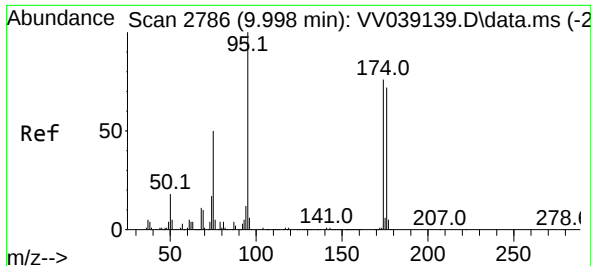
Tgt Ion:130 Resp: 2364403
 Ion Ratio Lower Upper
 130 100
 95 101.6 0.0 199.2



#50
 Toluene-d8
 Concen: 48.235 ug/l
 RT: 7.236 min Scan# 1927
 Delta R.T. 0.003 min
 Lab File: VV039215.D
 Acq: 26 Sep 2025 16:05

Tgt Ion: 98 Resp: 1101338
 Ion Ratio Lower Upper
 98 100
 100 64.2 52.2 78.2

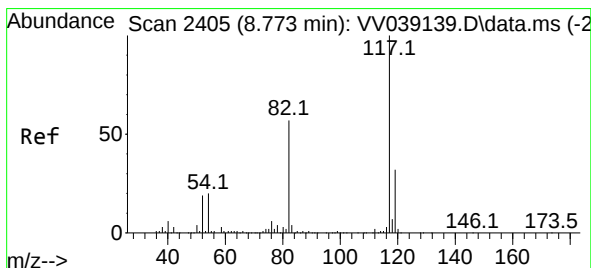
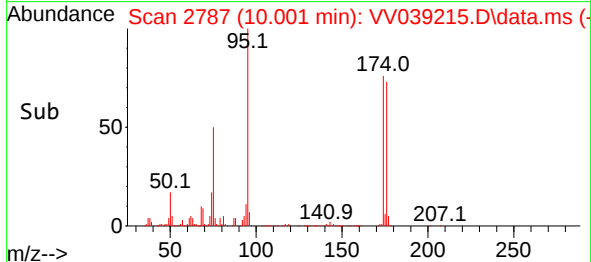
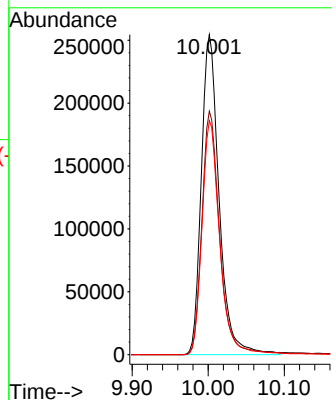
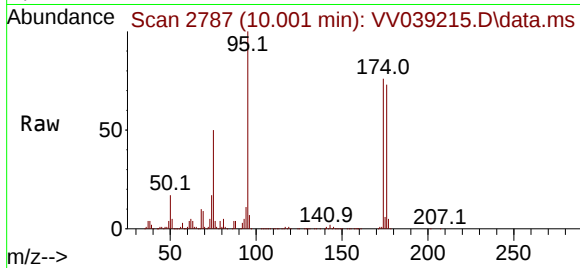




#62
4-Bromofluorobenzene
Concen: 43.934 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039215.D
Acq: 26 Sep 2025 16:05

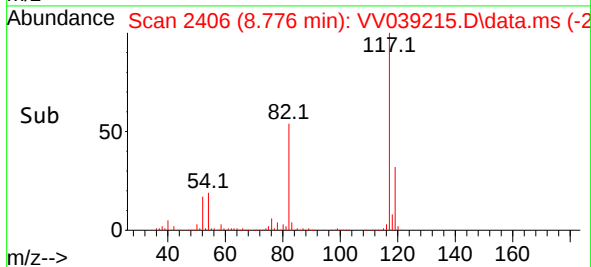
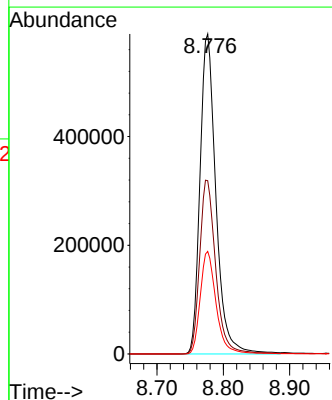
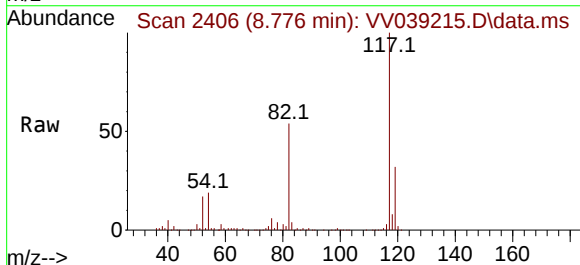
Instrument :
MSVOA_V
ClientSampleId :
MW-31D-091825

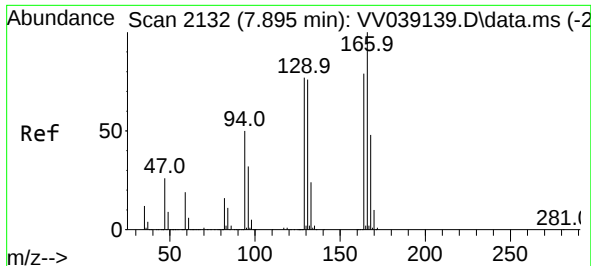
Tgt Ion: 95 Resp: 412962
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.4
176 72.9 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV039215.D
Acq: 26 Sep 2025 16:05

Tgt Ion: 117 Resp: 980974
Ion Ratio Lower Upper
117 100
82 54.2 45.4 68.2
119 32.0 25.6 38.4

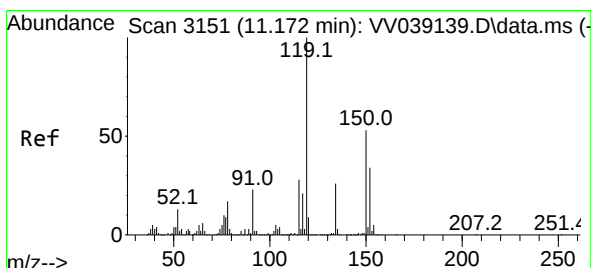
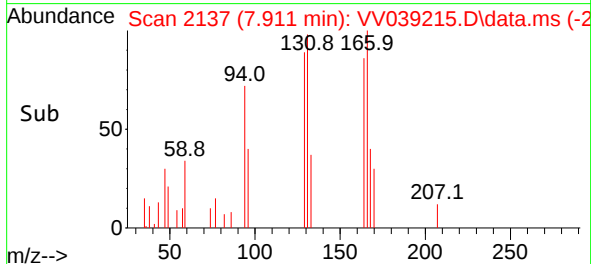
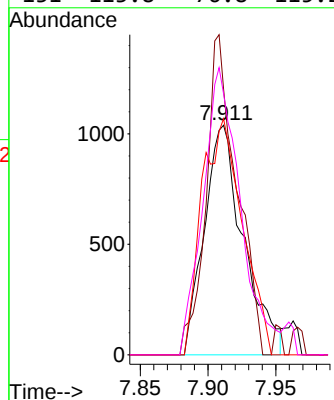
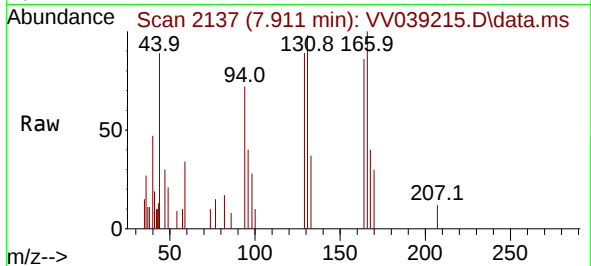




#64
Tetrachloroethene
Concen: 0.254 ug/l
RT: 7.911 min Scan# 2132
Delta R.T. 0.016 min
Lab File: VV039215.D
Acq: 26 Sep 2025 16:05

Instrument :
MSVOA_V
ClientSampleId :
MW-31D-091825

Tgt Ion:164	Resp:	2084	
Ion	Ratio	Lower	Upper
164	100		
166	115.9	101.6	152.4
129	102.9	78.5	117.7
131	113.8	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: VV039215.D
Acq: 26 Sep 2025 16:05

Tgt Ion:152	Resp:	469900	
Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.8	134.4
150	157.2	0.0	353.8

