

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112525\
 Data File : VV039428.D
 Acq On : 25 Nov 2025 14:24
 Operator : SY/MD
 Sample : Q3589-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-07

Quant Time: Nov 26 04:04:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM112525.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 26 03:57:32 2025
 Response via : Initial Calibration

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

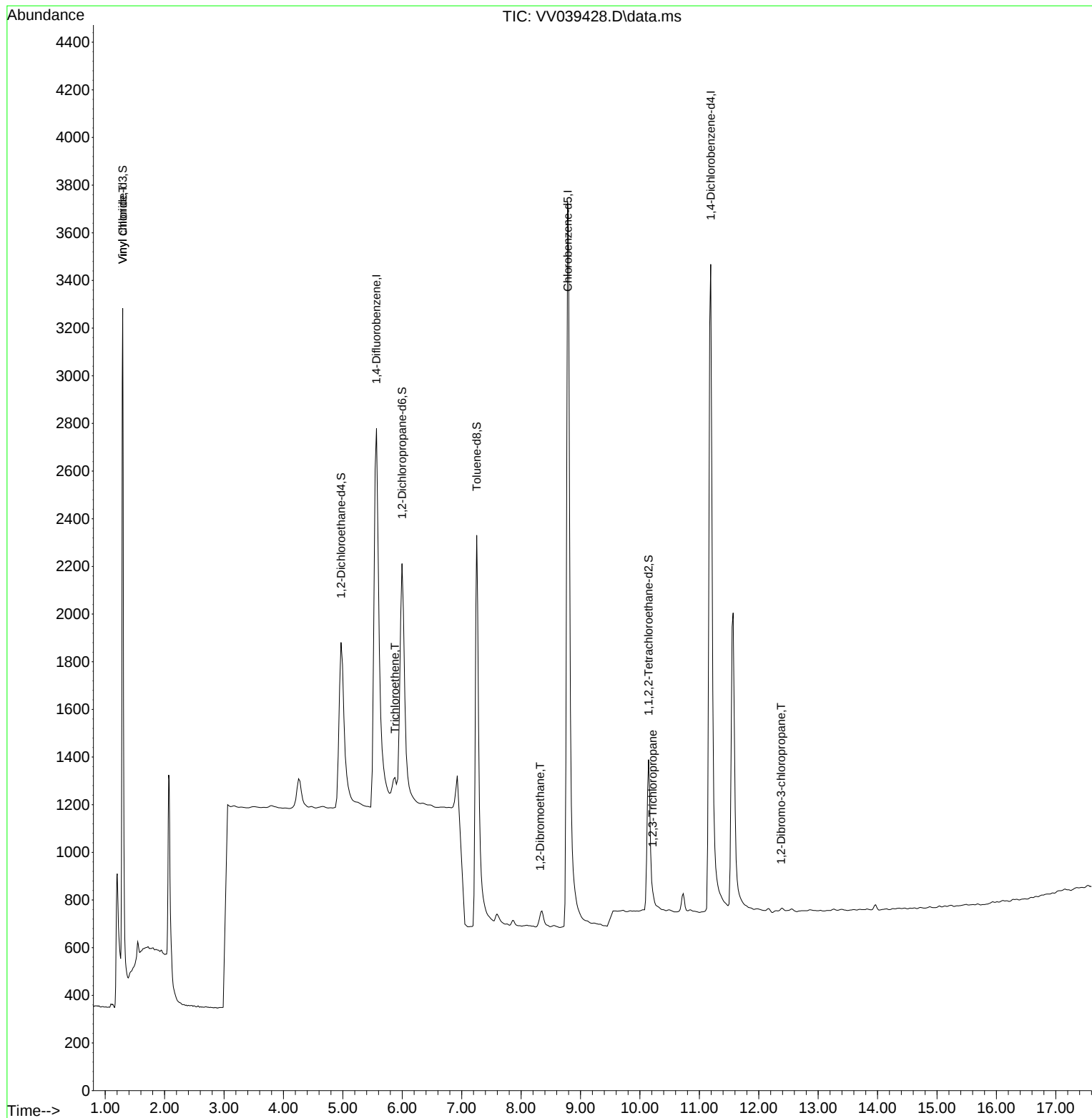
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7050	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	6721	0.500	ug/L	-0.02
11) 1,4-Dichlorobenzene-d4	11.191	152	3484	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3550	0.499	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	100.000%
4) 1,2-Dichloroethane-d4	4.970	65	1923	0.434	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	86.000%
7) 1,2-Dichloropropane-d6	5.996	67	2106	0.494	ug/L	0.00
Spiked Amount	0.500	Range	60 - 140	Recovery	=	98.000%
8) Toluene-d8	7.254	98	4089	0.485	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	98.000%
10) 1,1,2,2-Tetrachloroeth...	10.146	84	1509	0.504	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
3) Vinyl chloride	1.295	62	254	0.027	ug/L #	1
6) Trichloroethene	5.876	95	150	0.026	ug/L #	88
9) 1,2-Dibromoethane	8.321	107	115	0.030	ug/L #	81
12) 1,2,3-Trichloropropane	10.215	75	65	0.021	ug/L #	58
13) 1,2-Dibromo-3-chloropr...	12.374	75	14	0.020	ug/L	96

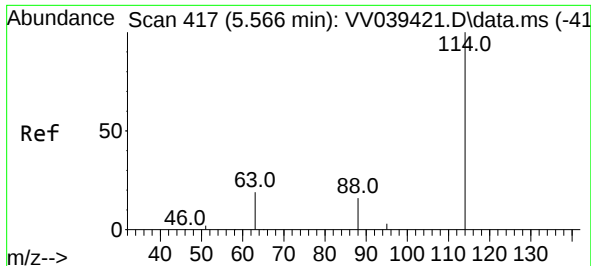
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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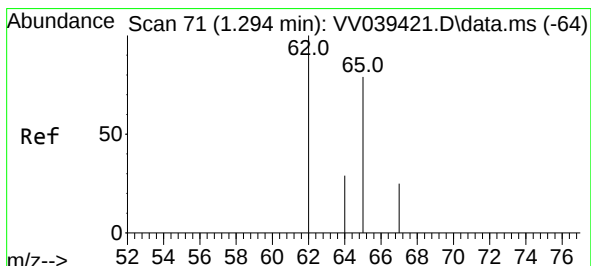
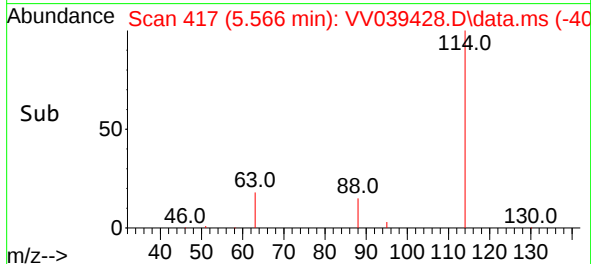
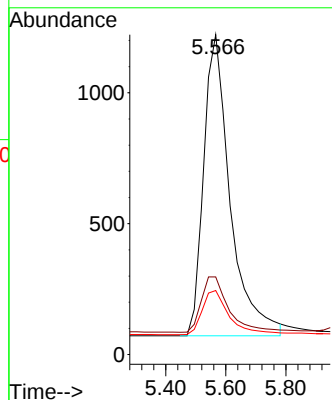
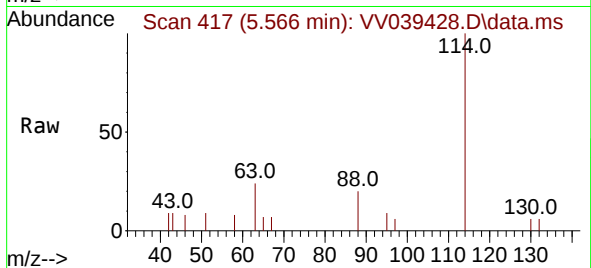




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039428.D
Acq: 25 Nov 2025 14:24

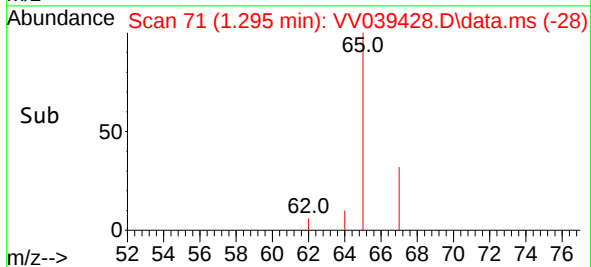
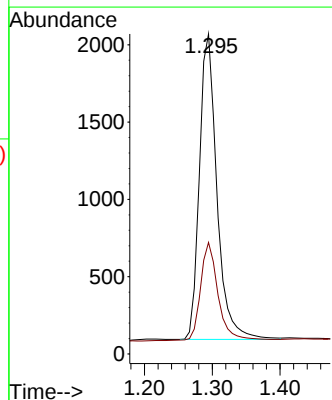
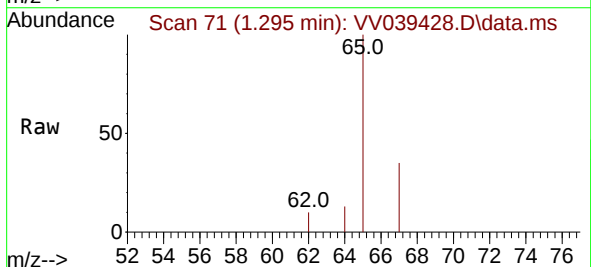
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

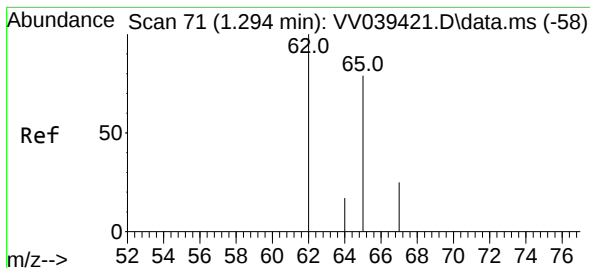
Tgt Ion:	114	Resp:	7050
Ion	Ratio	Lower	Upper
114	100		
63	19.1	15.8	23.6
88	15.0	12.4	18.6



#2
Vinyl Chloride-d3
Concen: 0.499 ug/L
RT: 1.295 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039428.D
Acq: 25 Nov 2025 14:24

Tgt Ion:	65	Resp:	3550
Ion	Ratio	Lower	Upper
65	100		
67	33.2	23.0	42.8





#3

Vinyl chloride

Concen: 0.027 ug/L

RT: 1.295 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV039428.D

Acq: 25 Nov 2025 14:24

Instrument :

MSVOA_V

ClientSampleId :

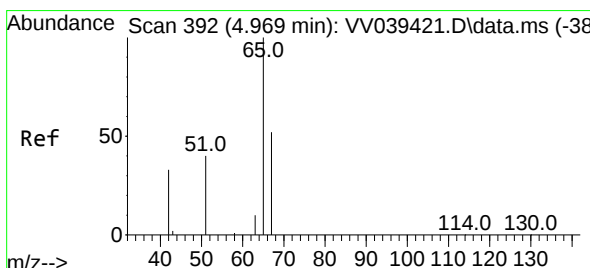
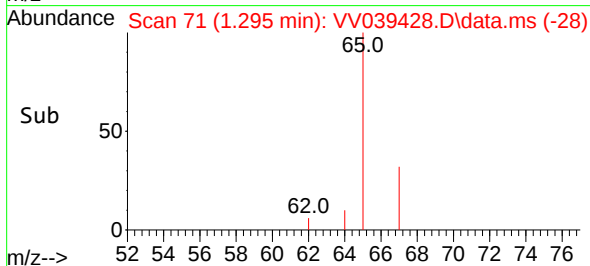
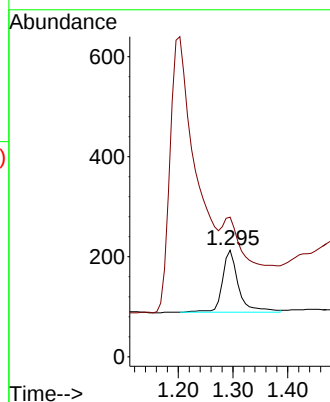
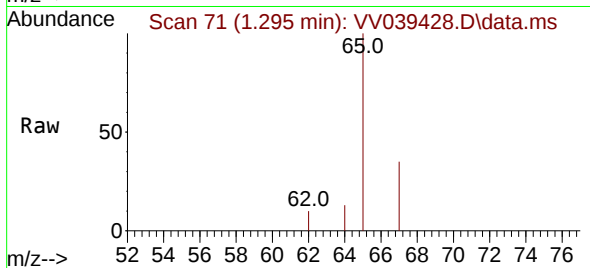
MDL-WATER-QT4-2025-07

Tgt Ion: 62 Resp: 254

Ion Ratio Lower Upper

62 100

64 131.0 27.6 51.4#



#4

1,2-Dichloroethane-d4

Concen: 0.434 ug/L

RT: 4.970 min Scan# 392

Delta R.T. 0.001 min

Lab File: VV039428.D

Acq: 25 Nov 2025 14:24

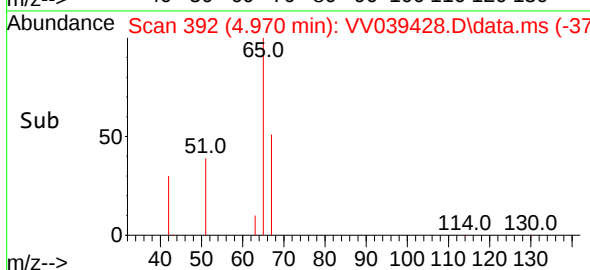
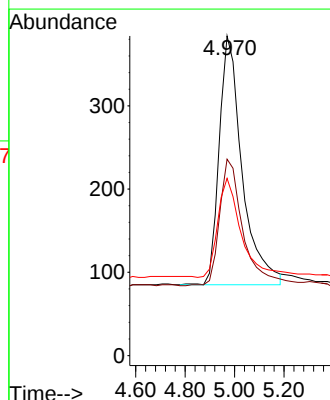
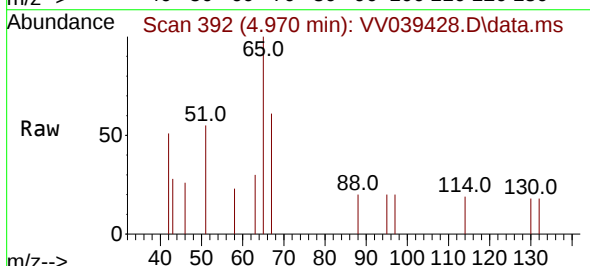
Tgt Ion: 65 Resp: 1923

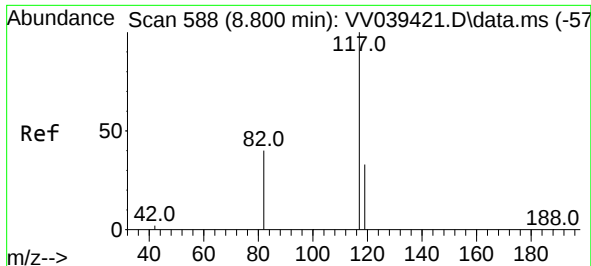
Ion Ratio Lower Upper

65 100

67 51.2 37.0 68.8

51 40.4 27.8 51.6

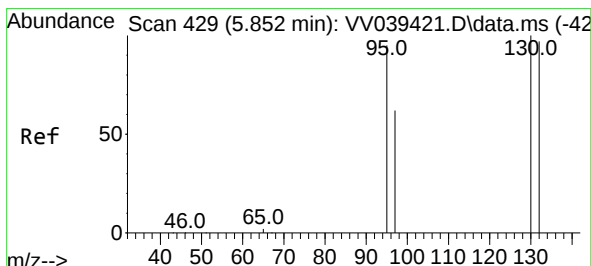
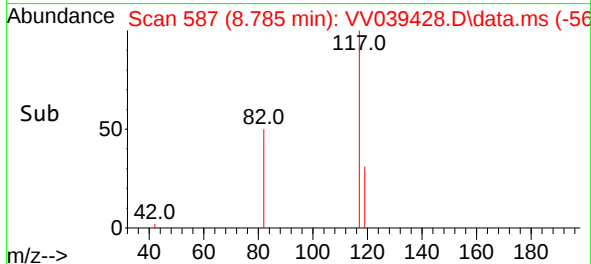
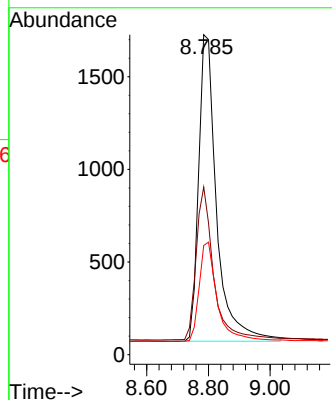
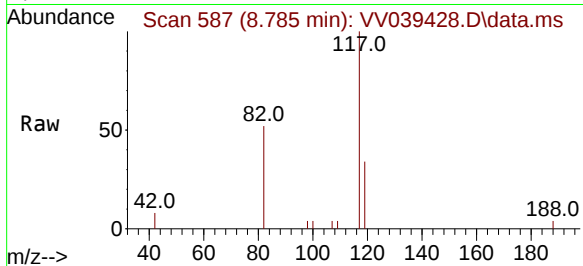




#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 51
Delta R.T. -0.015 min
Lab File: VV039428.D
Acq: 25 Nov 2025 14:24

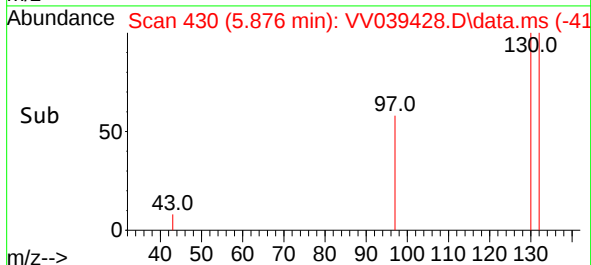
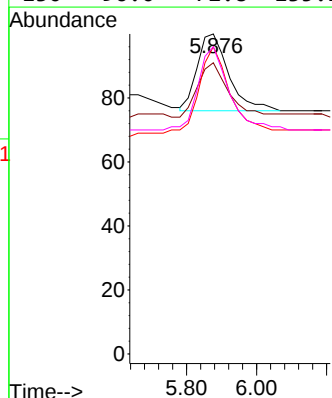
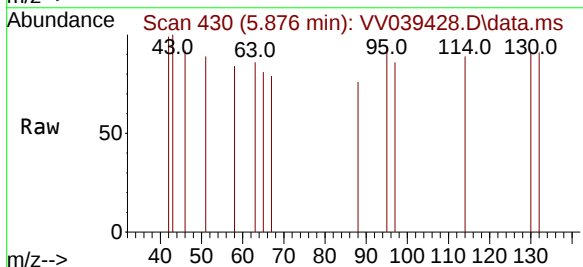
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

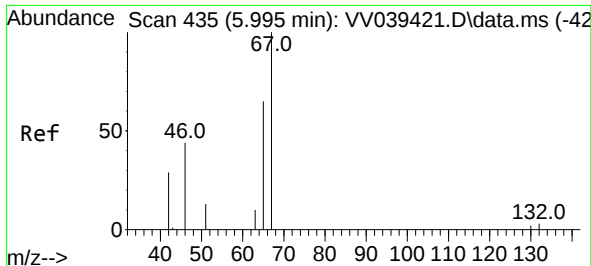
Tgt Ion:117	Resp:	6721	
Ion	Ratio	Lower	Upper
117	100		
82	48.6	38.2	57.4
119	32.6	25.7	38.5



#6
Trichloroethene
Concen: 0.026 ug/L
RT: 5.876 min Scan# 430
Delta R.T. 0.024 min
Lab File: VV039428.D
Acq: 25 Nov 2025 14:24

Tgt Ion: 95	Resp:	150	
Ion	Ratio	Lower	Upper
95	100		
97	91.0	48.5	90.1#
132	96.0	70.8	131.6
130	96.0	72.8	135.2

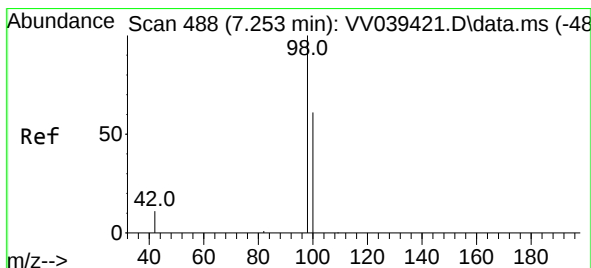
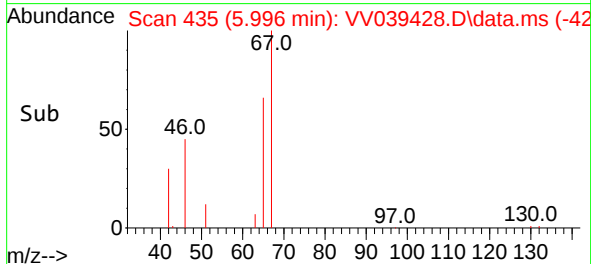
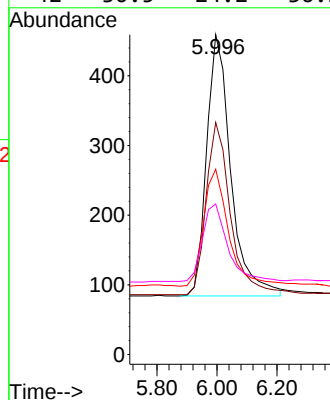
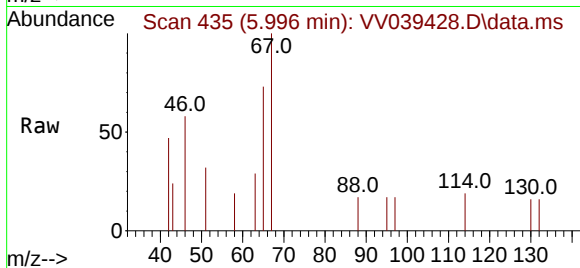




#7
1,2-Dichloropropane-d6
Concen: 0.494 ug/L
RT: 5.996 min Scan# 411
Delta R.T. 0.001 min
Lab File: VV039428.D
Acq: 25 Nov 2025 14:24

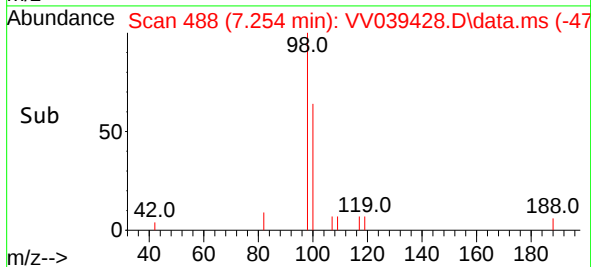
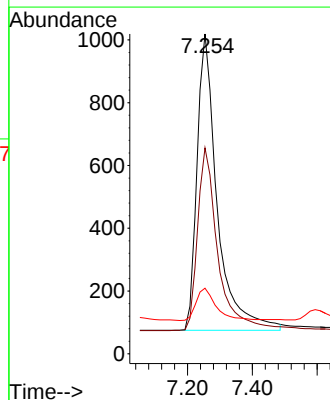
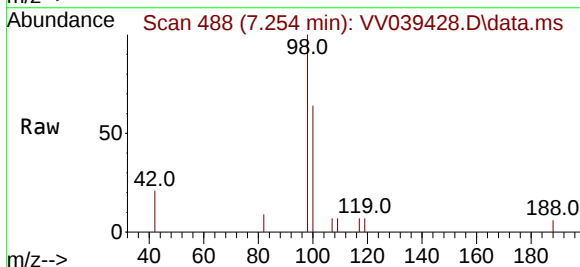
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

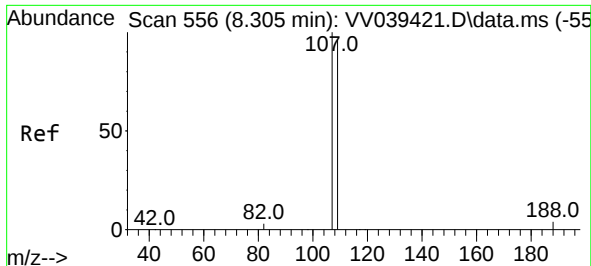
Tgt Ion:	67	Resp:	2106
Ion	Ratio	Lower	Upper
67	100		
65	65.7	49.8	74.8
46	46.1	35.8	53.6
42	30.5	24.2	36.2



#8
Toluene-d8
Concen: 0.485 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.001 min
Lab File: VV039428.D
Acq: 25 Nov 2025 14:24

Tgt Ion:	98	Resp:	4089
Ion	Ratio	Lower	Upper
98	100		
100	61.5	43.1	80.1
42	11.1	7.8	14.4

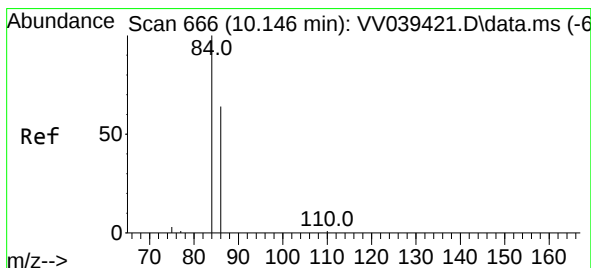
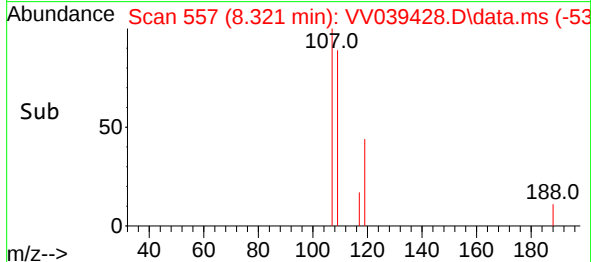
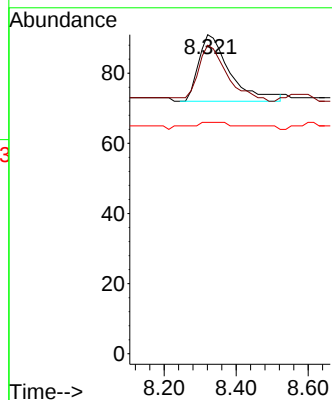
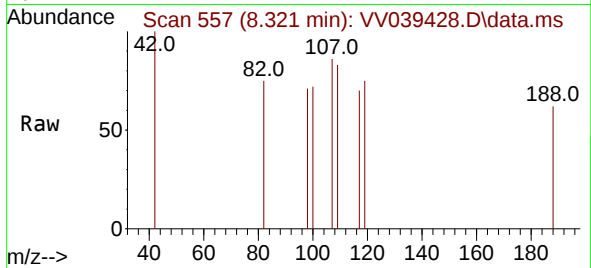




#9
1,2-Dibromoethane
Concen: 0.030 ug/L
RT: 8.321 min Scan# 557
Delta R.T. 0.016 min
Lab File: VV039428.D
Acq: 25 Nov 2025 14:24

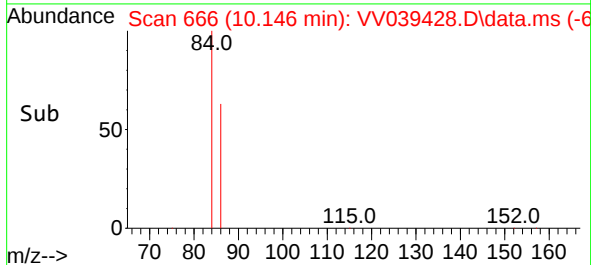
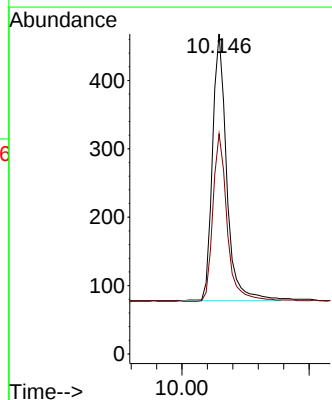
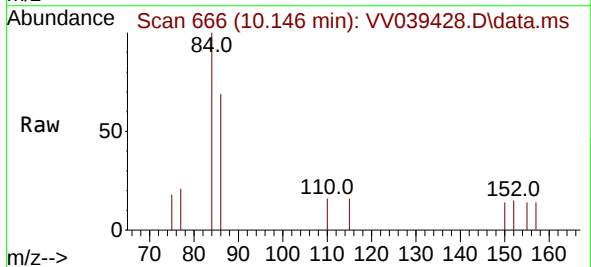
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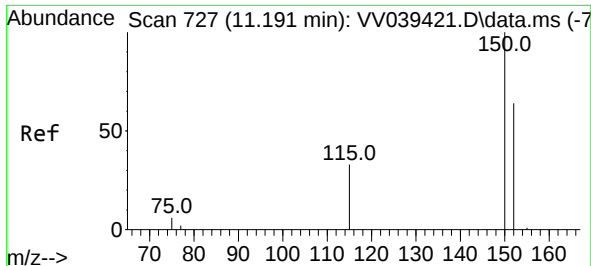
Tgt Ion:107 Resp: 115
Ion Ratio Lower Upper
107 100
109 96.7 67.8 125.8
188 72.5 12.8 19.2#



#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.504 ug/L
RT: 10.146 min Scan# 666
Delta R.T. -0.000 min
Lab File: VV039428.D
Acq: 25 Nov 2025 14:24

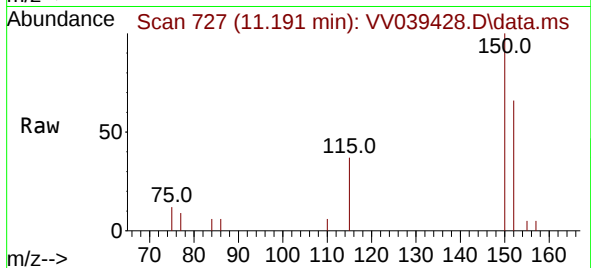
Tgt Ion: 84 Resp: 1509
Ion Ratio Lower Upper
84 100
86 63.0 45.4 84.4



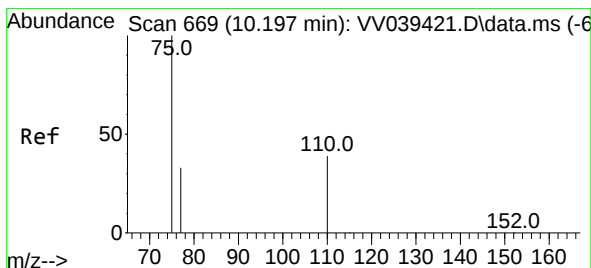
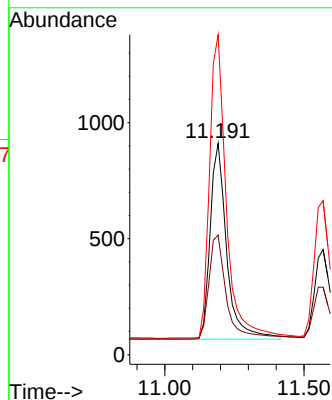
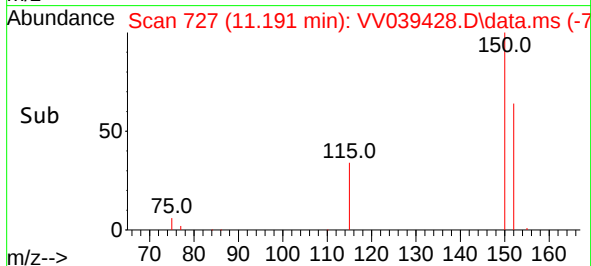


#11
 1,4-Dichlorobenzene-d4
 Concen: 0.500 ug/L
 RT: 11.191 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV039428.D
 Acq: 25 Nov 2025 14:24

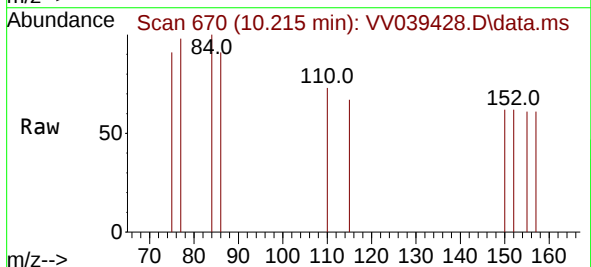
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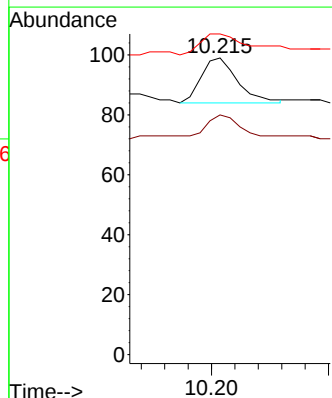
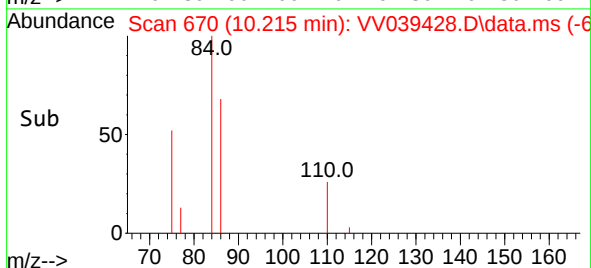
Tgt Ion:152 Resp: 3484
 Ion Ratio Lower Upper
 152 100
 115 53.5 0.0 105.4
 150 157.4 0.0 315.4

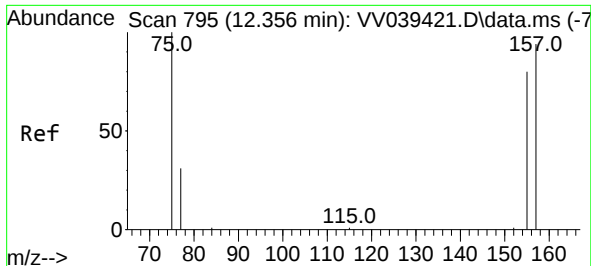


#12
 1,2,3-Trichloropropane
 Concen: 0.021 ug/L
 RT: 10.215 min Scan# 670
 Delta R.T. 0.017 min
 Lab File: VV039428.D
 Acq: 25 Nov 2025 14:24



Tgt Ion: 75 Resp: 65
 Ion Ratio Lower Upper
 75 100
 110 58.5 33.6 50.4#
 77 70.8 28.3 42.5#





#13
 1,2-Dibromo-3-chloropropane
 Concen: 0.020 ug/L
 RT: 12.374 min Scan# 795
 Delta R.T. 0.017 min
 Lab File: VV039428.D
 Acq: 25 Nov 2025 14:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-07

Tgt Ion: 75	Resp:	14
Ion	Ratio	Lower Upper
75	100	
157	80.2	69.3 103.9
155	80.2	64.4 96.6

