

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082025\
 Data File : VV038968.D
 Acq On : 20 Aug 2025 09:16
 Operator : SY/MD
 Sample : VSTDCCC0.5
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5327

Quant Time: Aug 21 01:22:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM081925.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 20 03:16:00 2025
 Response via : Initial Calibration

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

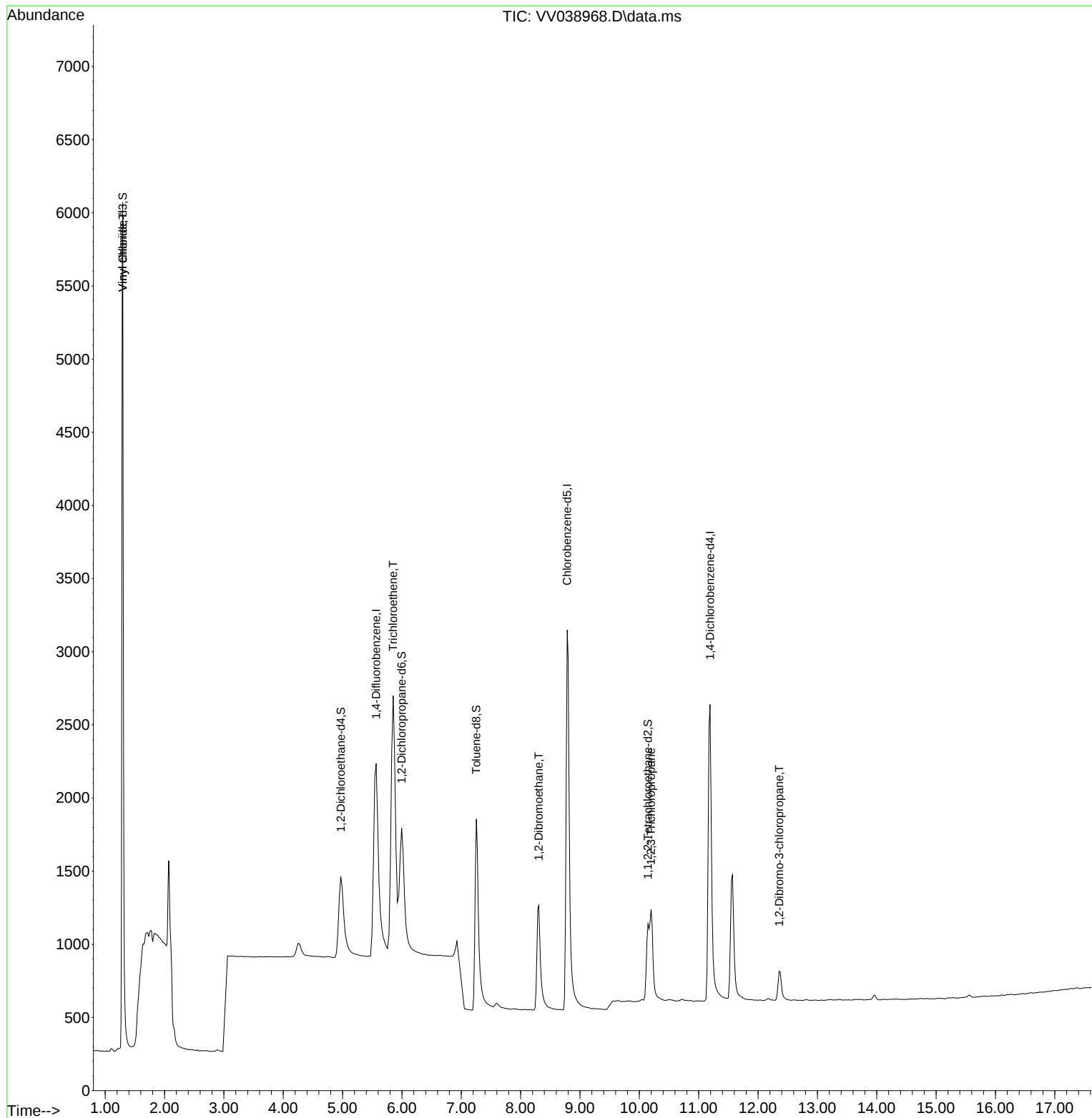
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	5801	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	5467	0.500	ug/L	0.00
11) 1,4-Dichlorobenzene-d4	11.191	152	2456	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	2731	0.515	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	= 102.000%	
4) 1,2-Dichloroethane-d4	4.969	65	1456	0.467	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	= 94.000%	
7) 1,2-Dichloropropane-d6	5.995	67	1678	0.556	ug/L	0.00
Spiked Amount	0.500	Range	60 - 140	Recovery	= 112.000%	
8) Toluene-d8	7.253	98	3244	0.480	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	= 96.000%	
10) 1,1,2,2-Tetrachloroeth...	10.146	84	1136	0.531	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	= 106.000%	
Target Compounds						
					Qvalue	
3) Vinyl chloride	1.294	62	5207	0.509	ug/L	100
6) Trichloroethene	5.852	95	2620	0.540	ug/L	100
9) 1,2-Dibromoethane	8.305	107	1559	0.538	ug/L	95
12) 1,2,3-Trichloropropane	10.197	75	1264	0.504	ug/L	97
13) 1,2-Dibromo-3-chloropr...	12.356	75	271	0.467	ug/L	99

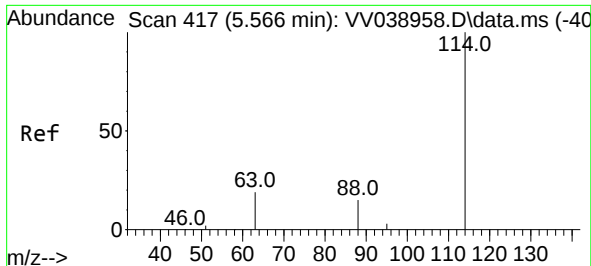
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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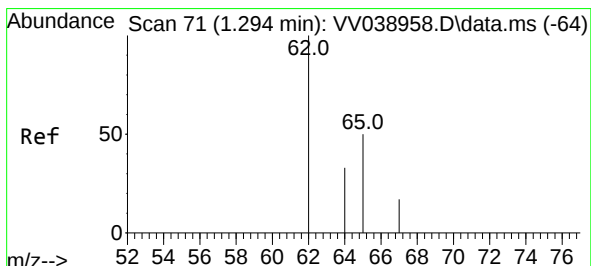
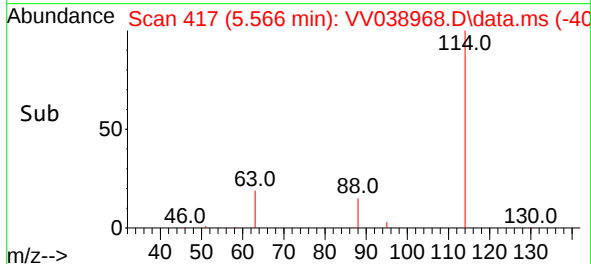
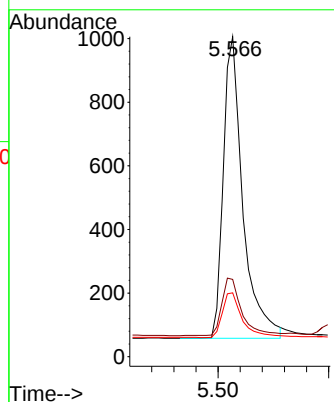
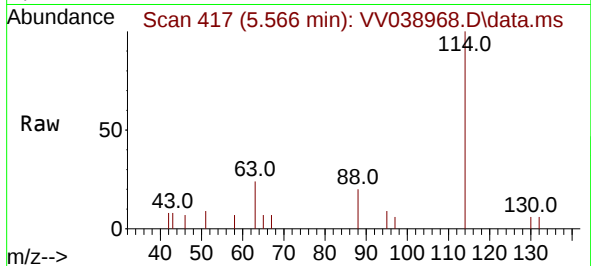




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV038968.D
Acq: 20 Aug 2025 09:16

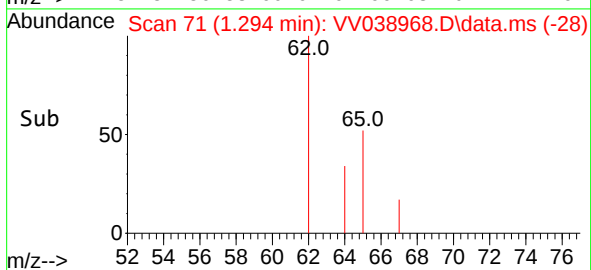
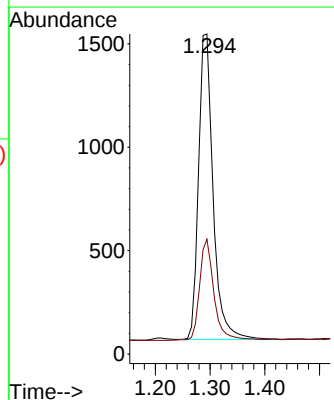
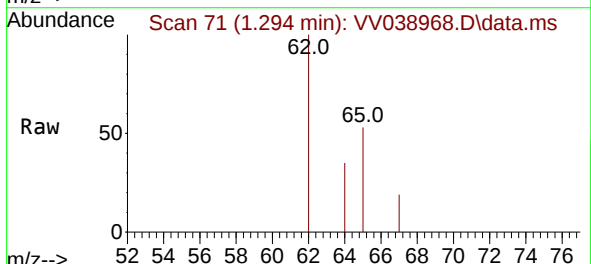
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5327

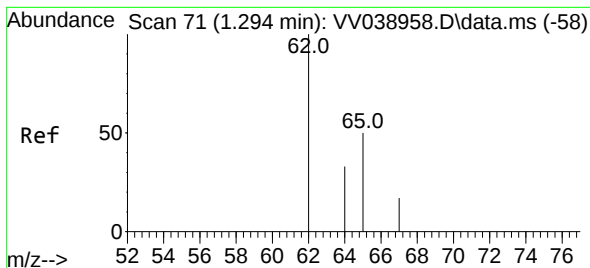
Tgt Ion:	114	Resp:	5801
Ion	Ratio	Lower	Upper
114	100		
63	19.4	16.0	24.0
88	15.2	12.3	18.5



#2
Vinyl Chloride-d3
Concen: 0.515 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV038968.D
Acq: 20 Aug 2025 09:16

Tgt Ion:	65	Resp:	2731
Ion	Ratio	Lower	Upper
65	100		
67	32.9	23.4	43.4





#3

Vinyl chloride

Concen: 0.509 ug/L

RT: 1.294 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV038968.D

Acq: 20 Aug 2025 09:16

Instrument :

MSVOA_V

ClientSampleId :

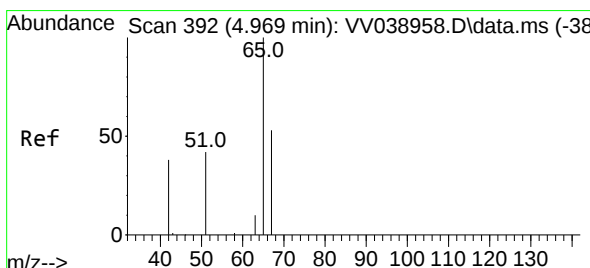
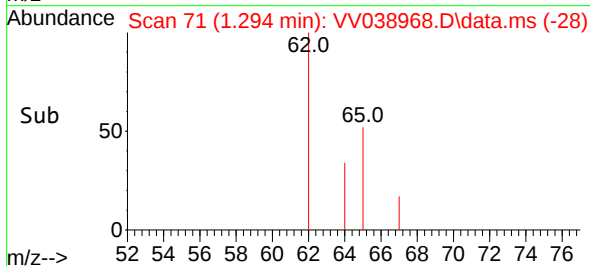
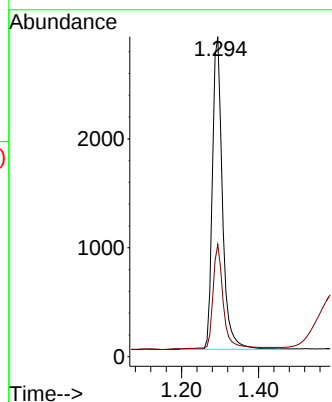
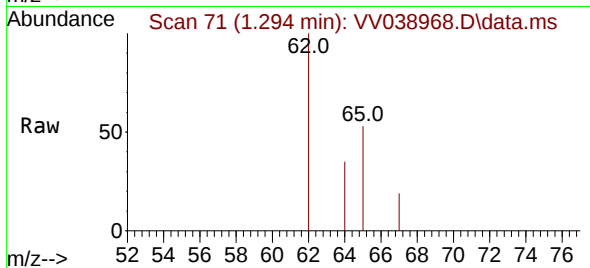
VSTD0.5327

Tgt Ion: 62 Resp: 5207

Ion Ratio Lower Upper

62 100

64 35.1 24.4 45.2



#4

1,2-Dichloroethane-d4

Concen: 0.467 ug/L

RT: 4.969 min Scan# 392

Delta R.T. 0.000 min

Lab File: VV038968.D

Acq: 20 Aug 2025 09:16

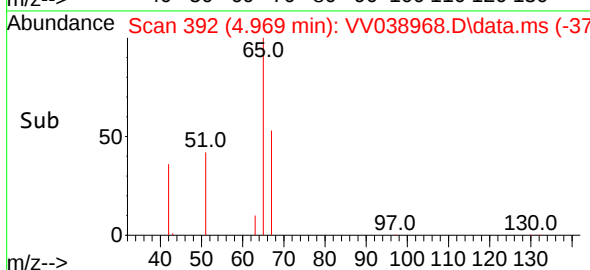
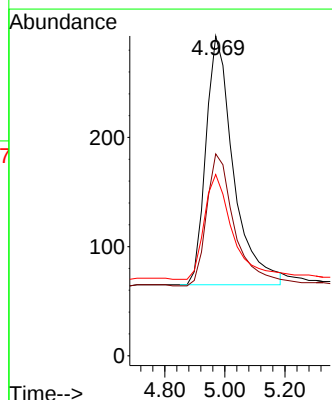
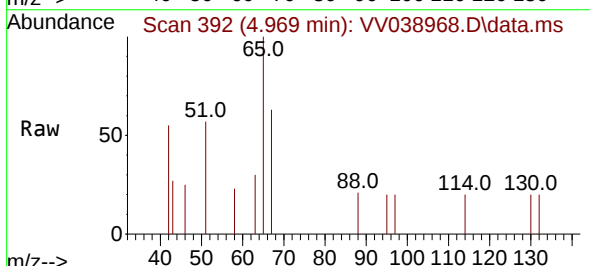
Tgt Ion: 65 Resp: 1456

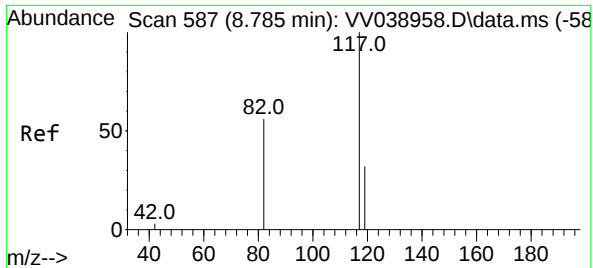
Ion Ratio Lower Upper

65 100

67 53.8 37.2 69.0

51 43.5 33.4 62.0

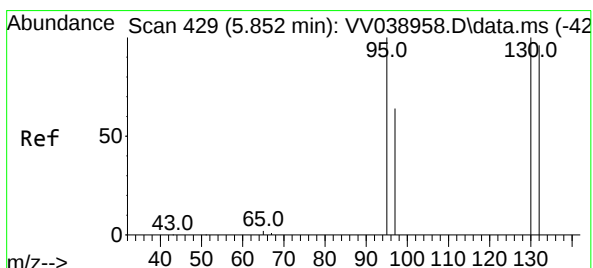
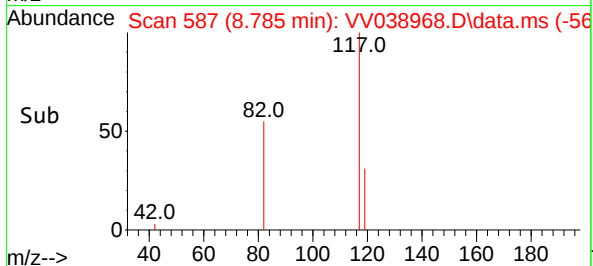
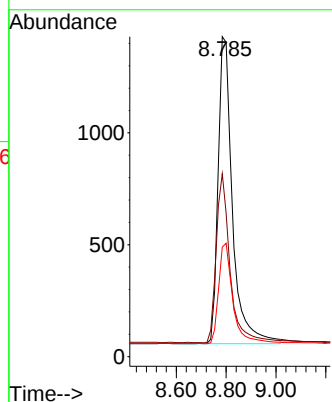
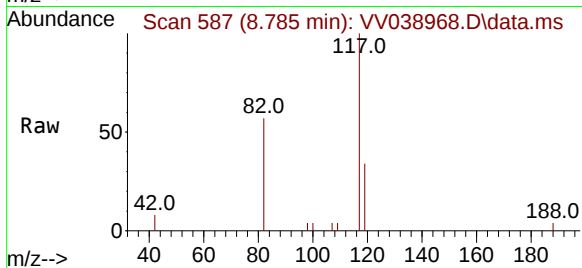




#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV038968.D
Acq: 20 Aug 2025 09:16

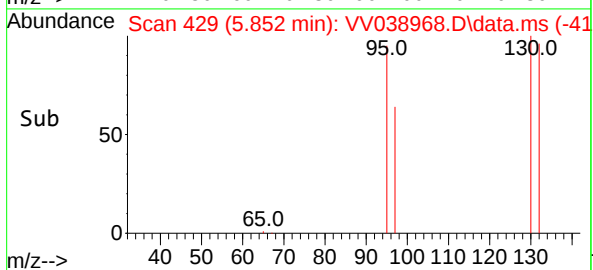
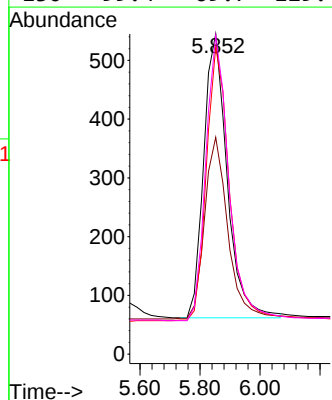
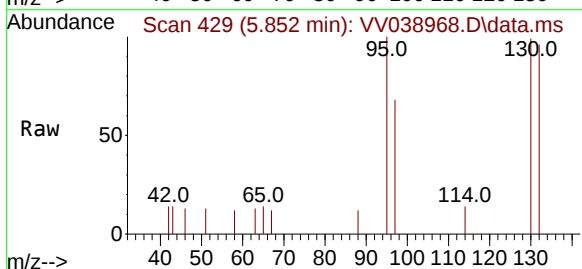
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5327

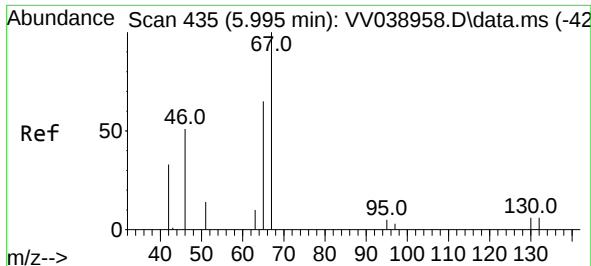
Tgt Ion:	117	Resp:	5467
Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.9	64.3
119	32.6	26.4	39.6



#6
Trichloroethene
Concen: 0.540 ug/L
RT: 5.852 min Scan# 429
Delta R.T. 0.000 min
Lab File: VV038968.D
Acq: 20 Aug 2025 09:16

Tgt Ion:	95	Resp:	2620
Ion	Ratio	Lower	Upper
95	100		
97	67.7	47.5	88.1
132	96.0	66.9	124.3
130	99.4	69.7	129.4



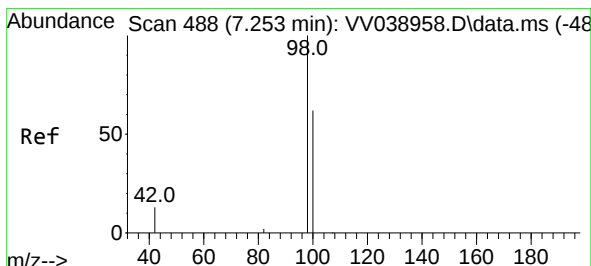
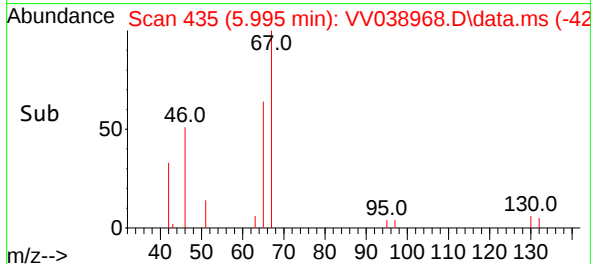
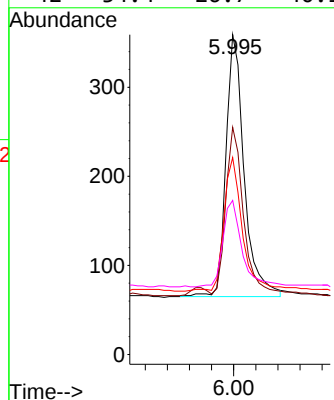
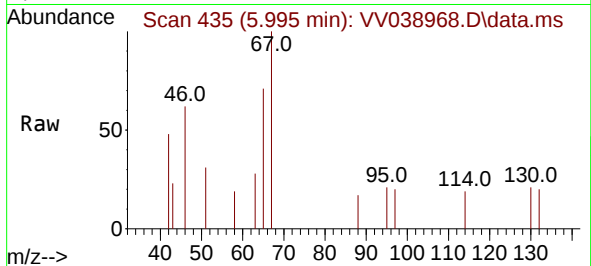


#7
 1,2-Dichloropropane-d6
 Concen: 0.556 ug/L
 RT: 5.995 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VV038968.D
 Acq: 20 Aug 2025 09:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5327

Tgt Ion: 67 Resp: 1678

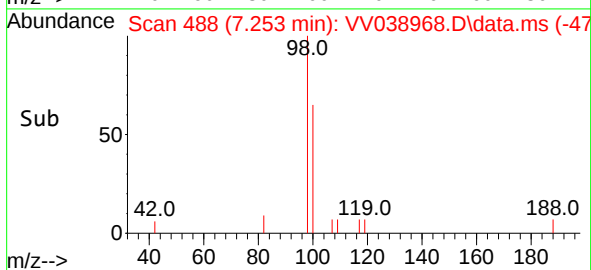
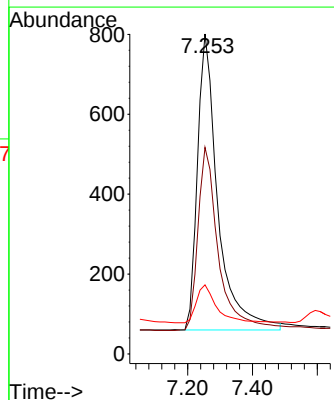
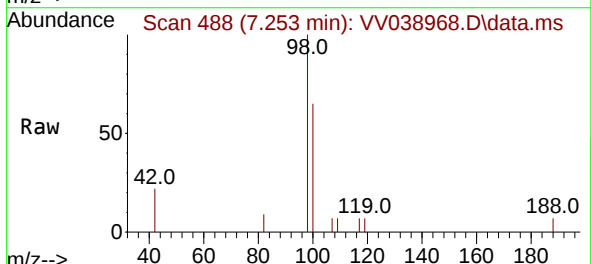
Ion	Ratio	Lower	Upper
67	100		
65	61.0	49.8	74.6
46	51.6	41.3	61.9
42	34.4	26.7	40.1

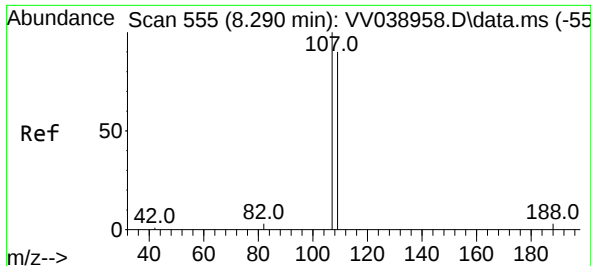


#8
 Toluene-d8
 Concen: 0.480 ug/L
 RT: 7.253 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VV038968.D
 Acq: 20 Aug 2025 09:16

Tgt Ion: 98 Resp: 3244

Ion	Ratio	Lower	Upper
98	100		
100	62.2	43.3	80.3
42	12.8	8.5	15.7

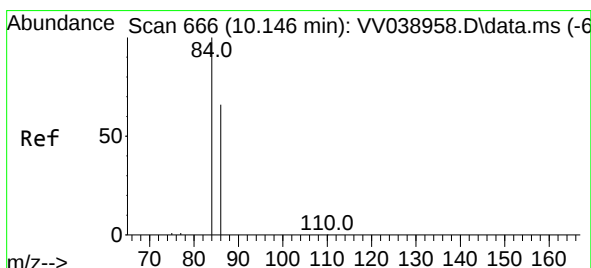
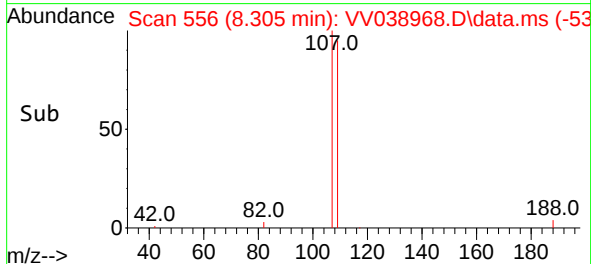
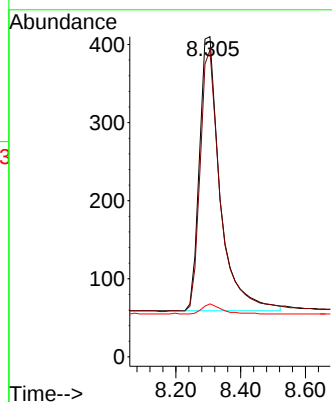
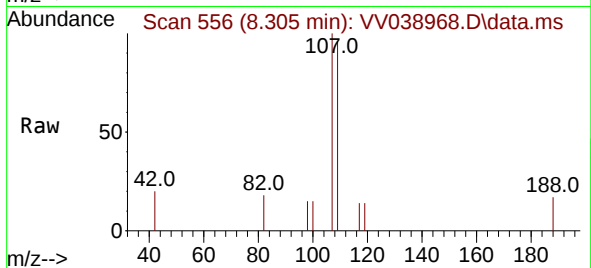




#9
1,2-Dibromoethane
Concen: 0.538 ug/L
RT: 8.305 min Scan# 555
Delta R.T. 0.015 min
Lab File: VV038968.D
Acq: 20 Aug 2025 09:16

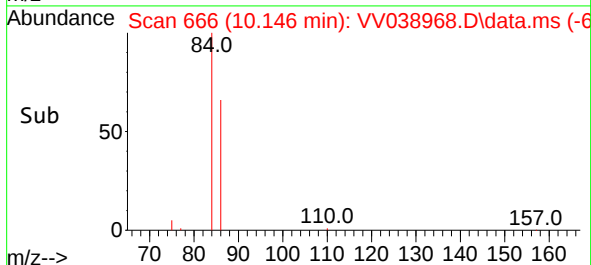
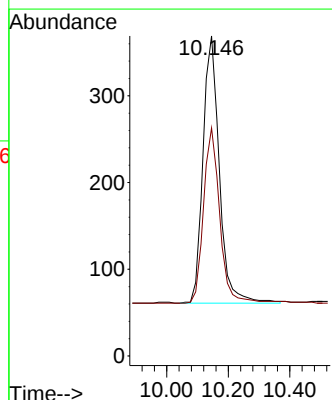
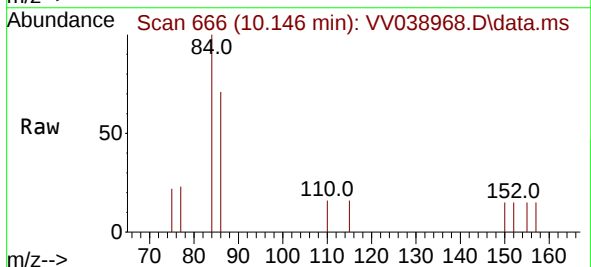
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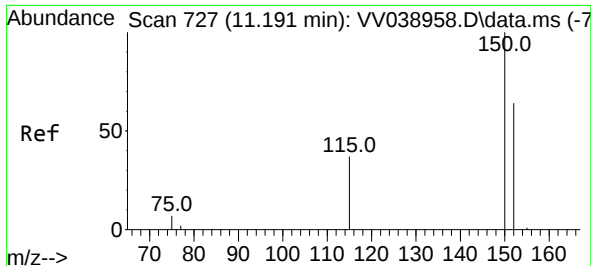
Tgt Ion:	107	Resp:	1559
Ion	Ratio	Lower	Upper
107	100		
109	95.9	64.0	118.8
188	16.6	11.8	17.6



#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.531 ug/L
RT: 10.146 min Scan# 666
Delta R.T. -0.000 min
Lab File: VV038968.D
Acq: 20 Aug 2025 09:16

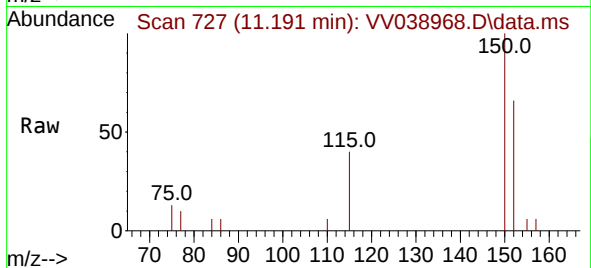
Tgt Ion:	84	Resp:	1136
Ion	Ratio	Lower	Upper
84	100		
86	64.3	45.6	84.6



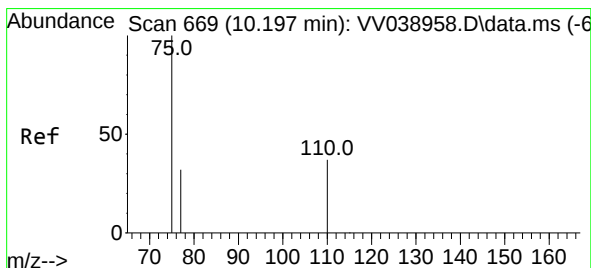
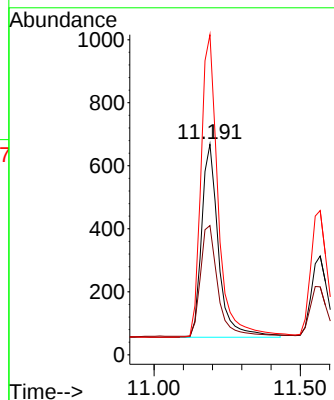
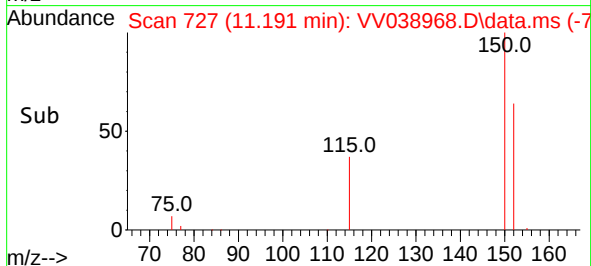


#11
 1,4-Dichlorobenzene-d4
 Concen: 0.500 ug/L
 RT: 11.191 min Scan# 727
 Delta R.T. 0.000 min
 Lab File: VV038968.D
 Acq: 20 Aug 2025 09:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5327

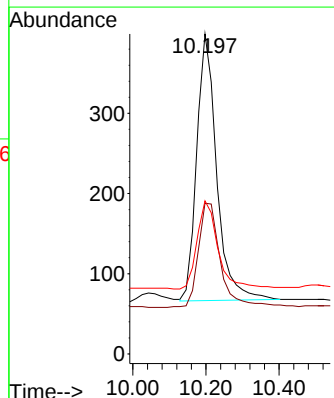
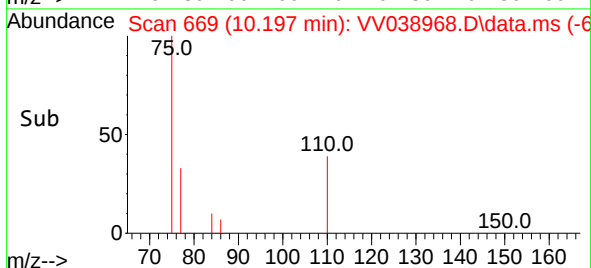
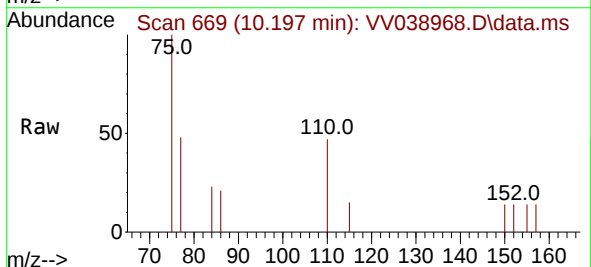


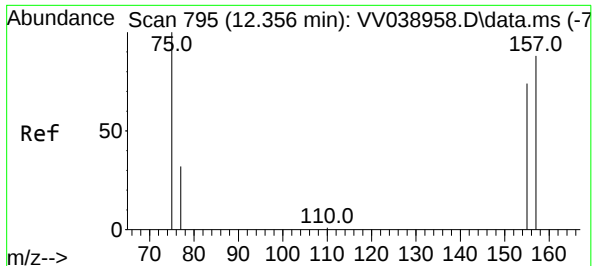
Tgt Ion:	152	Resp:	2456
Ion	Ratio	Lower	Upper
152	100		
115	58.9	0.0	119.6
150	159.0	0.0	318.0



#12
 1,2,3-Trichloropropane
 Concen: 0.504 ug/L
 RT: 10.197 min Scan# 669
 Delta R.T. 0.000 min
 Lab File: VV038968.D
 Acq: 20 Aug 2025 09:16

Tgt Ion:	75	Resp:	1264
Ion	Ratio	Lower	Upper
75	100		
110	43.7	32.6	48.8
77	35.0	27.3	40.9





#13

1,2-Dibromo-3-chloropropane

Concen: 0.467 ug/L

RT: 12.356 min Scan# 795

Delta R.T. 0.000 min

Lab File: VV038968.D

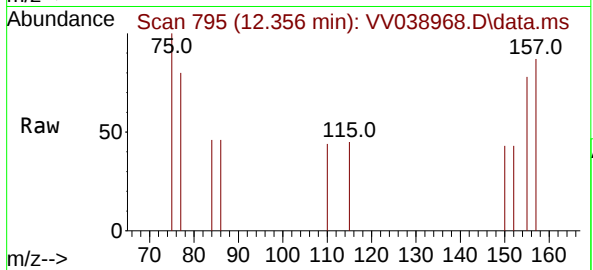
Acq: 20 Aug 2025 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5327



Tgt Ion: 75 Resp: 271

Ion Ratio Lower Upper

75 100

157 87.3 69.7 104.5

155 77.6 63.7 95.5

