

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
 Data File : VV039530.D
 Acq On : 10 Dec 2025 14:54
 Operator : SY/MD
 Sample : Q3813-05
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 11 00:07:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 09 08:40:48 2025
 Response via : Initial Calibration

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

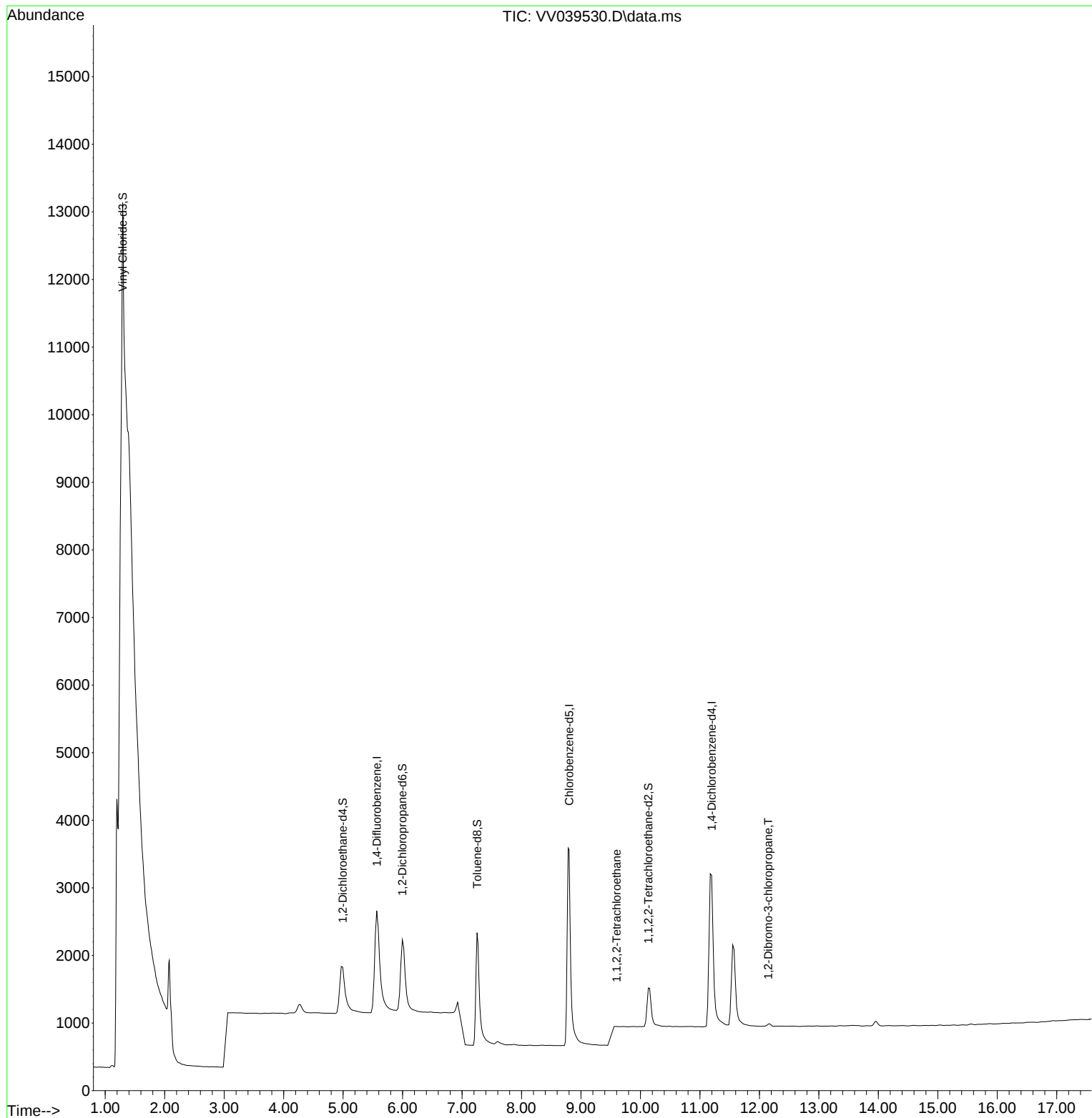
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6680	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6693	0.500	ug/L	0.01
12) 1,4-Dichlorobenzene-d4	11.197	152	3533	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	5205	0.794	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	= 158.000%#	
4) 1,2-Dichloroethane-d4	4.993	65	2003	0.450	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 90.000%	
7) 1,2-Dichloropropane-d6	5.995	67	2292	0.406	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	= 82.000%	
8) Toluene-d8	7.253	98	4243	0.445	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 90.000%	
10) 1,1,2,2-Tetrachloroeth...	10.132	84	1709	0.537	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	= 108.000%	
Target Compounds						
					Qvalue	
11) 1,1,2,2-Tetrachloroethane	9.600	83	1429	0.213	ug/L #	16
14) 1,2-Dibromo-3-chloropr...	12.151	75	96	0.128	ug/L #	81

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

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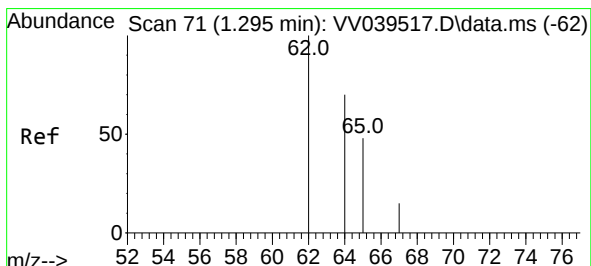
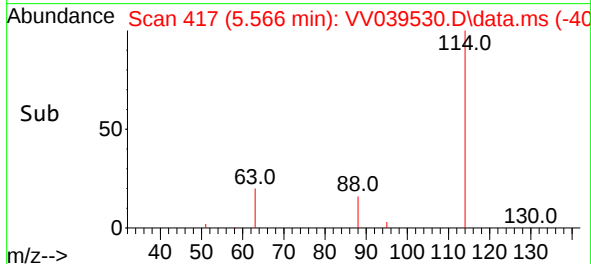
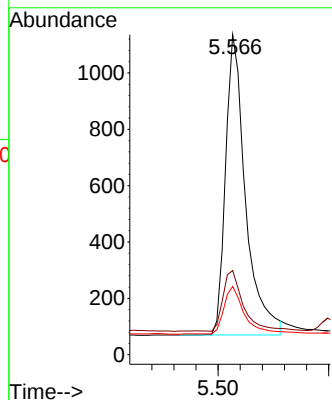
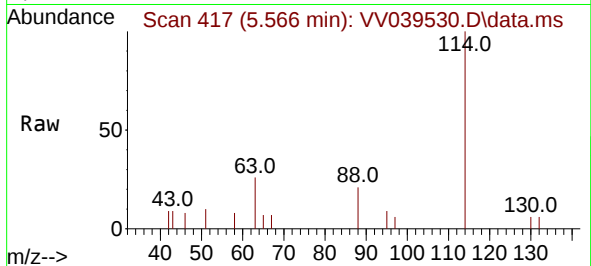




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

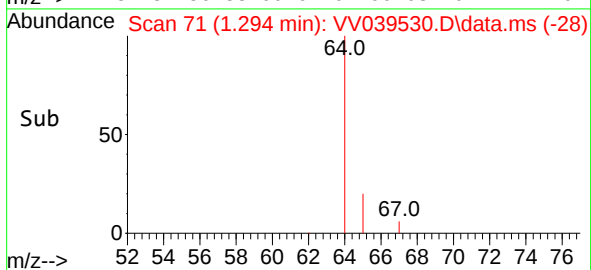
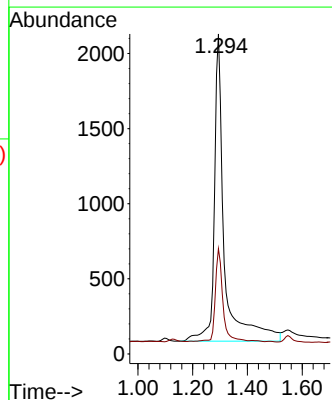
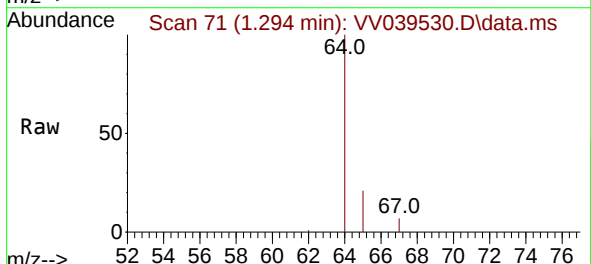
Instrument :
MSVOA_V
ClientSampleId :

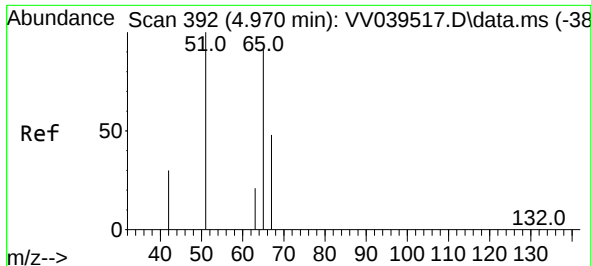
Tgt Ion:114 Resp: 6680
Ion Ratio Lower Upper
114 100
63 20.1 15.0 22.4
88 15.7 12.0 18.0



#2
Vinyl Chloride-d3
Concen: 0.794 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

Tgt Ion: 65 Resp: 5205
Ion Ratio Lower Upper
65 100
67 22.4 22.3 41.5

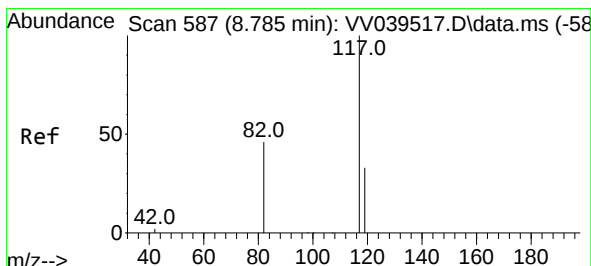
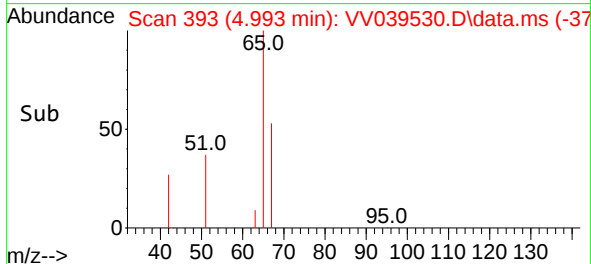
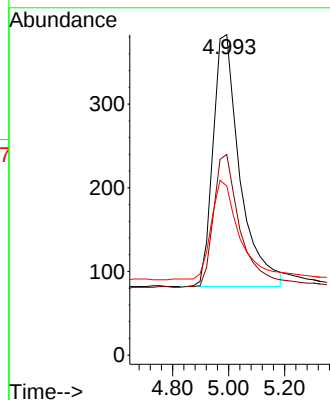
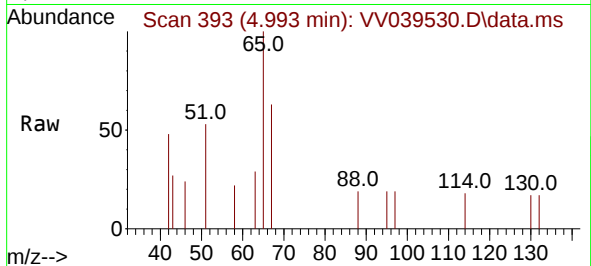




#4
1,2-Dichloroethane-d4
Concen: 0.450 ug/L
RT: 4.993 min Scan# 392
Delta R.T. 0.024 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

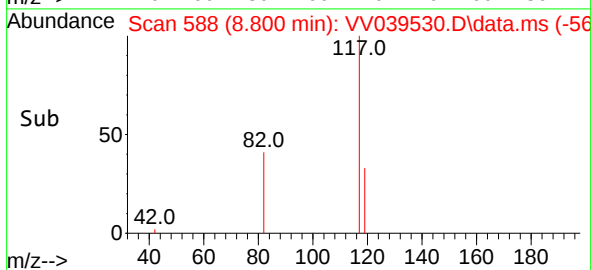
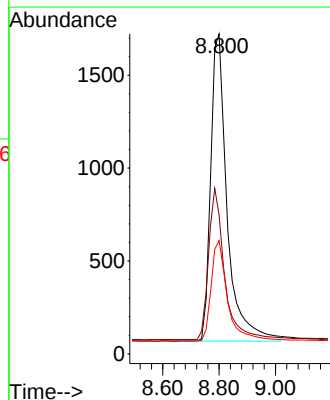
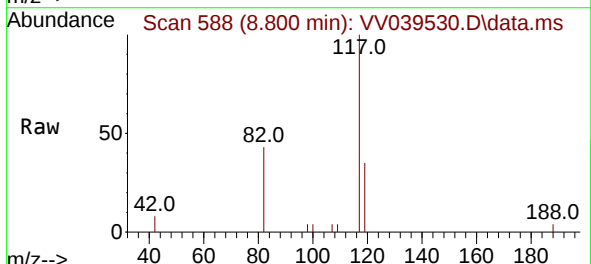
Instrument :
MSVOA_V
ClientSampleId :

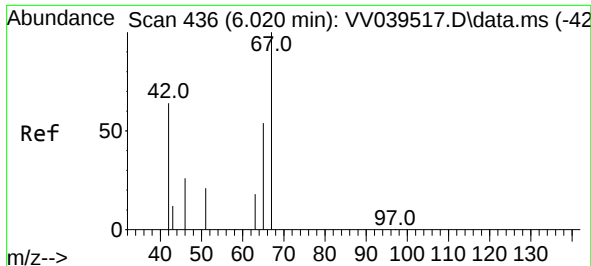
Tgt Ion: 65 Resp: 2003
Ion Ratio Lower Upper
65 100
67 52.5 32.5 60.3
51 41.9 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

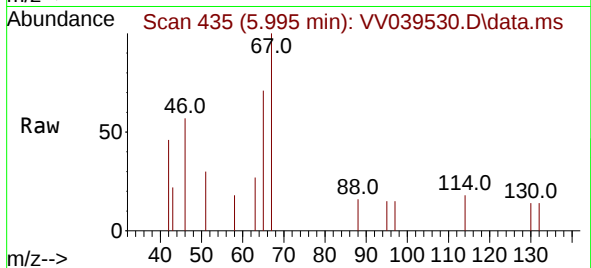
Tgt Ion:117 Resp: 6693
Ion Ratio Lower Upper
117 100
82 47.9 39.4 59.2
119 32.6 26.2 39.2



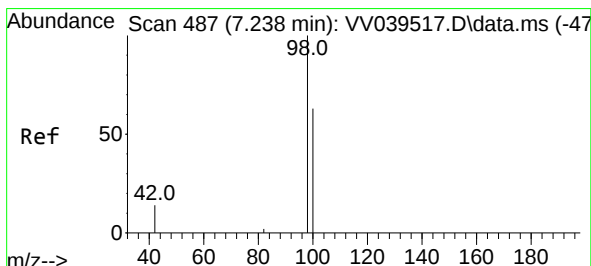
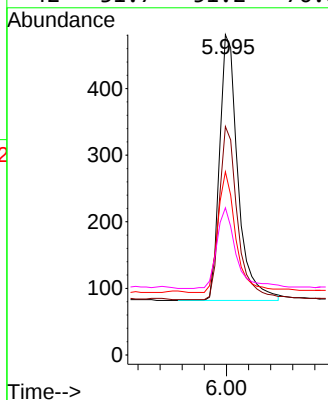
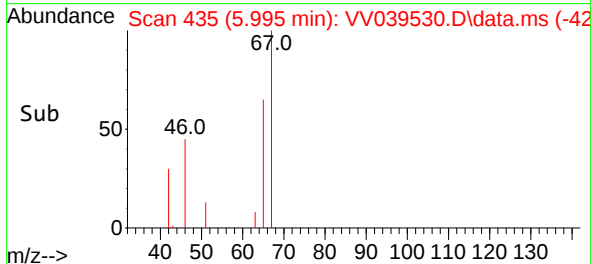


#7
 1,2-Dichloropropane-d6
 Concen: 0.406 ug/L
 RT: 5.995 min Scan# 41
 Delta R.T. -0.024 min
 Lab File: VV039530.D
 Acq: 10 Dec 2025 14:54

Instrument :
 MSVOA_V
 ClientSampleId :

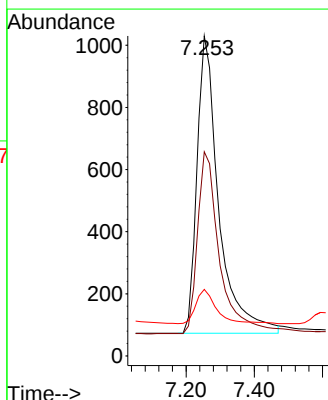
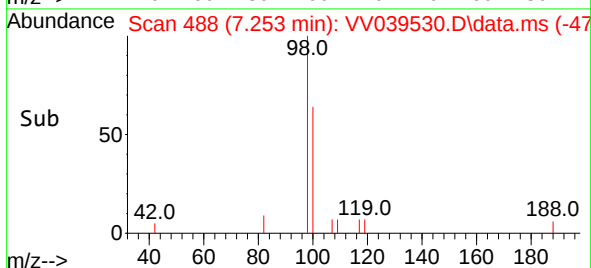
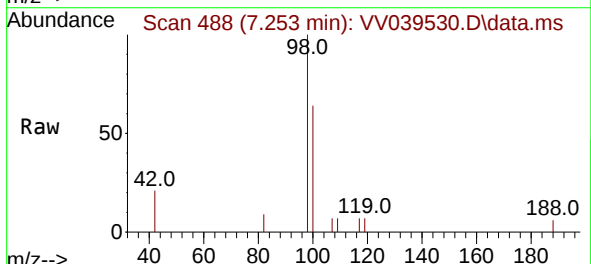


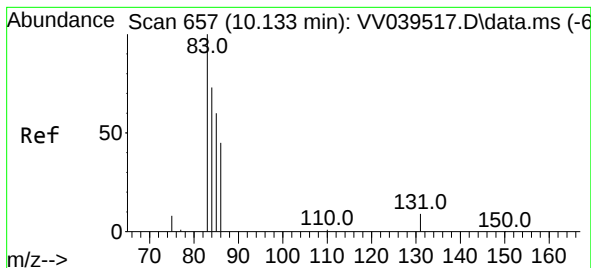
Tgt Ion:	67	Resp:	2292
Ion	Ratio	Lower	Upper
67	100		
65	65.0	37.9	56.9#
46	44.4	27.4	41.0#
42	31.7	51.2	76.8#



#8
 Toluene-d8
 Concen: 0.445 ug/L
 RT: 7.253 min Scan# 488
 Delta R.T. 0.015 min
 Lab File: VV039530.D
 Acq: 10 Dec 2025 14:54

Tgt Ion:	98	Resp:	4243
Ion	Ratio	Lower	Upper
98	100		
100	61.7	44.5	82.7
42	10.8	10.1	18.7

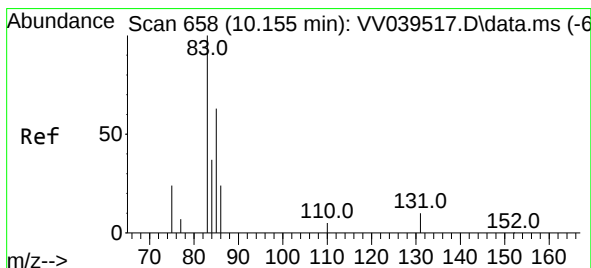
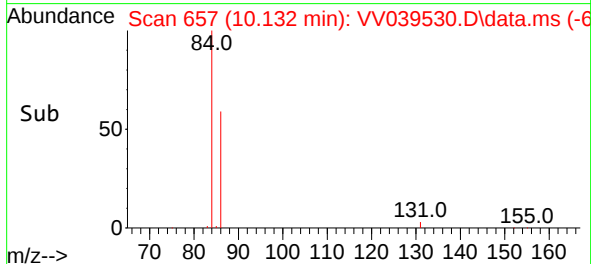
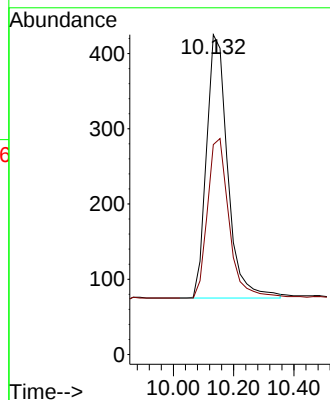
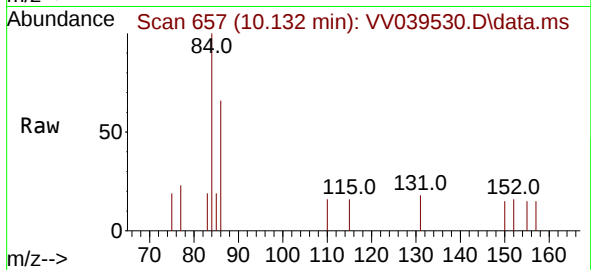




#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.537 ug/L
RT: 10.132 min Scan# 610
Delta R.T. -0.001 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

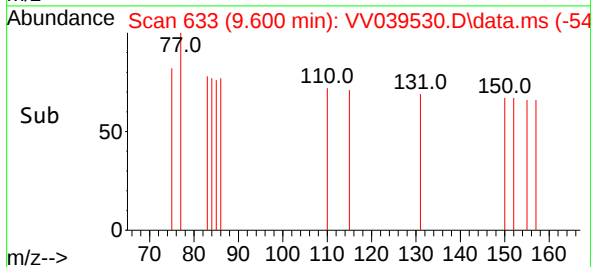
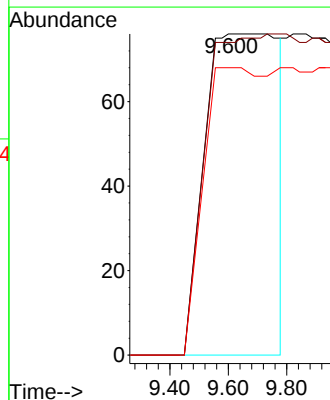
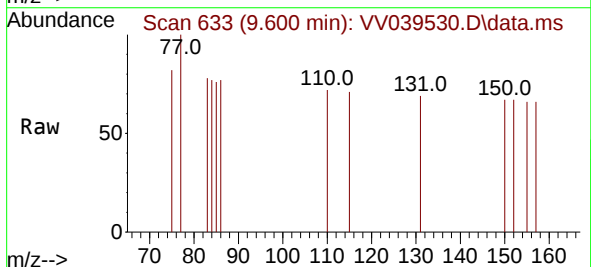
Instrument :
MSVOA_V
ClientSampleId :

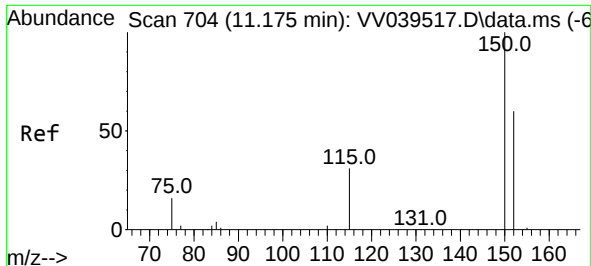
Tgt Ion: 84 Resp: 1709
Ion Ratio Lower Upper
84 100
86 61.7 44.4 82.5



#11
1,1,2,2-Tetrachloroethane
Concen: 0.213 ug/L
RT: 9.600 min Scan# 633
Delta R.T. -0.555 min
Lab File: VV039530.D
Acq: 10 Dec 2025 14:54

Tgt Ion: 83 Resp: 1429
Ion Ratio Lower Upper
83 100
85 120.4 51.0 76.6#
131 69.6 8.6 12.8#





#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

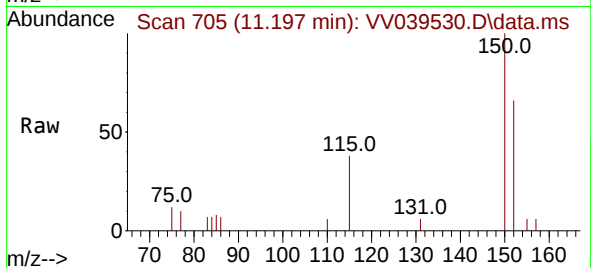
Lab File: VV039530.D

Acq: 10 Dec 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :



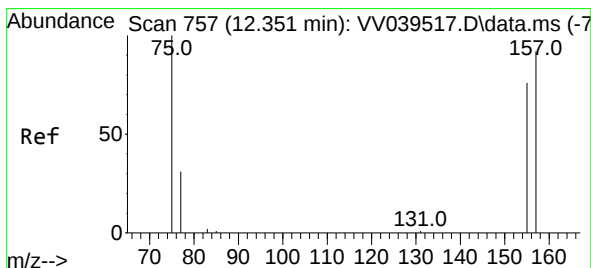
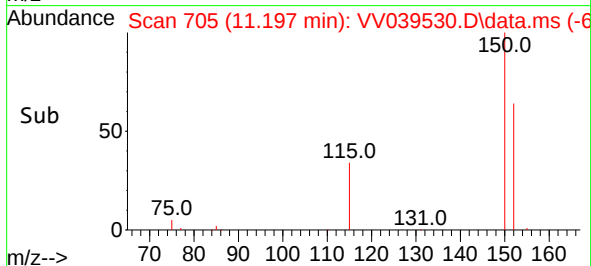
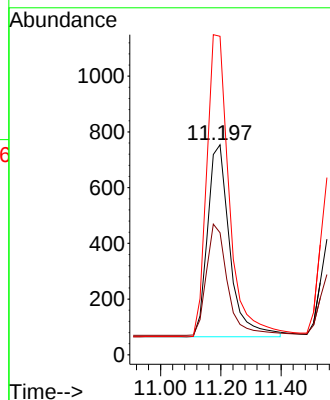
Tgt Ion:152 Resp: 3533

Ion Ratio Lower Upper

152 100

115 55.1 0.0 101.6

150 158.7 0.0 396.2



#14

1,2-Dibromo-3-chloropropane

Concen: 0.128 ug/L

RT: 12.151 min Scan# 748

Delta R.T. -0.200 min

Lab File: VV039530.D

Acq: 10 Dec 2025 14:54

Tgt Ion: 75 Resp: 96

Ion Ratio Lower Upper

75 100

157 62.5 67.8 101.6#

155 66.3 61.9 92.9

