

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
 Data File : VV039531.D
 Acq On : 10 Dec 2025 15:16
 Operator : SY/MD
 Sample : Q3788-14
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 11 00:07:37 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)

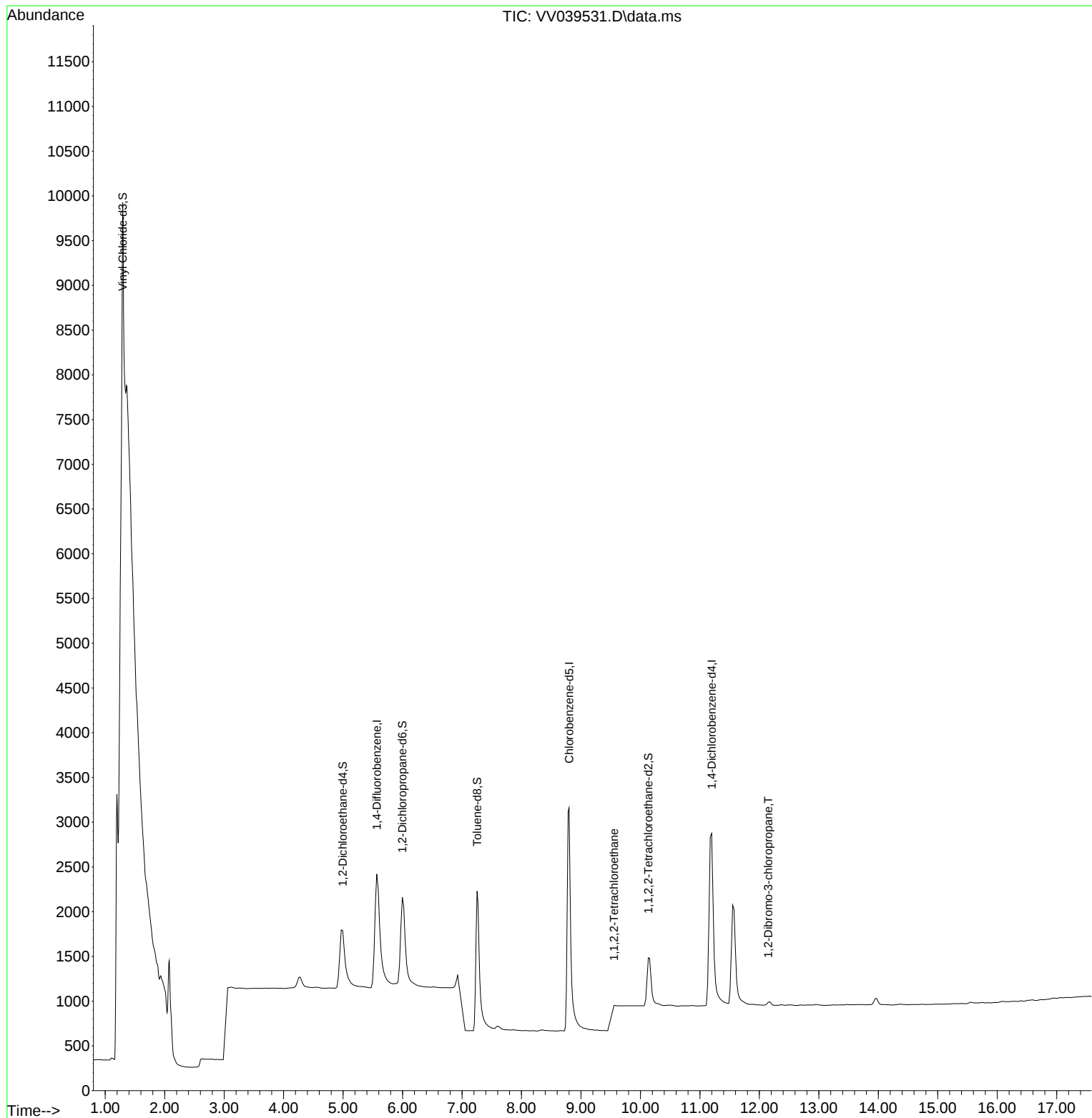
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	5732	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5821	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.198	152	2993	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	4162	0.740	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	= 148.000%#	
4) 1,2-Dichloroethane-d4	4.994	65	1880	0.493	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 98.000%	
7) 1,2-Dichloropropane-d6	5.996	67	2195	0.447	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	= 90.000%	
8) Toluene-d8	7.254	98	4025	0.486	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 98.000%	
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1606	0.580	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	= 116.000%	
Target Compounds						
					Qvalue	
11) 1,1,2,2-Tetrachloroethane	9.556	83	795	0.136	ug/L #	53
14) 1,2-Dibromo-3-chloropr...	12.151	75	92	0.144	ug/L #	82

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039531.D
Acq On : 10 Dec 2025 15:16
Operator : SY/MD
Sample : Q3788-14
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Dec 11 00:07:37 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

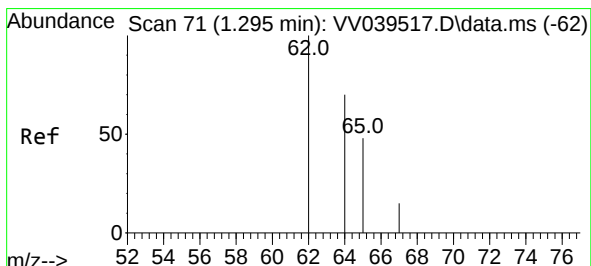
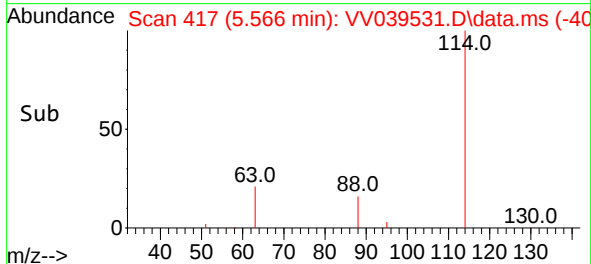
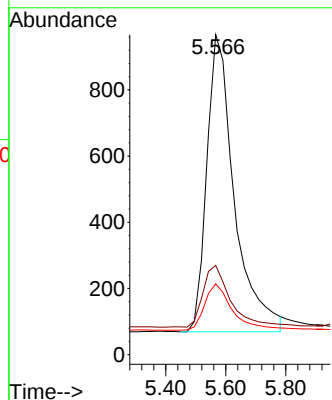
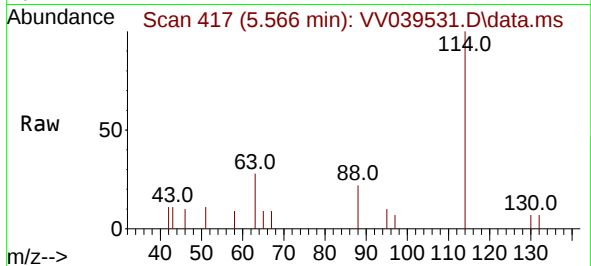




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039531.D
Acq: 10 Dec 2025 15:16

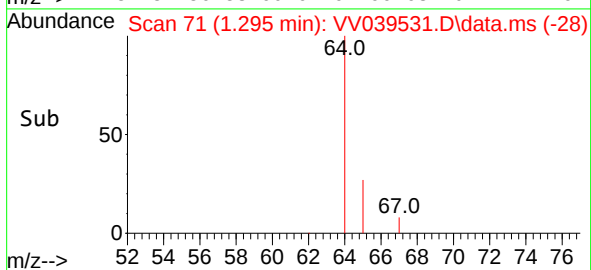
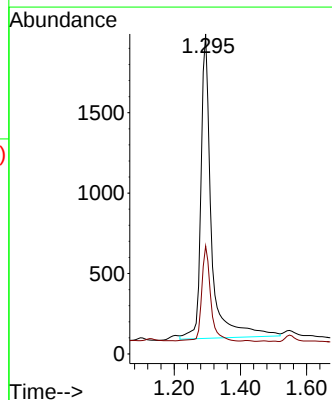
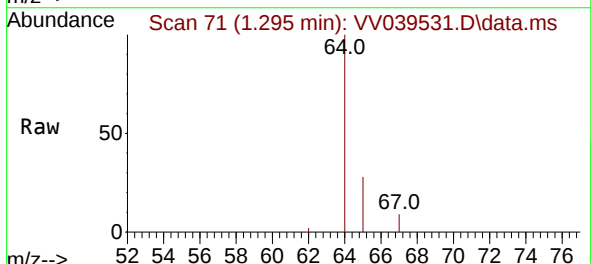
Instrument :
MSVOA_V
ClientSampleId :

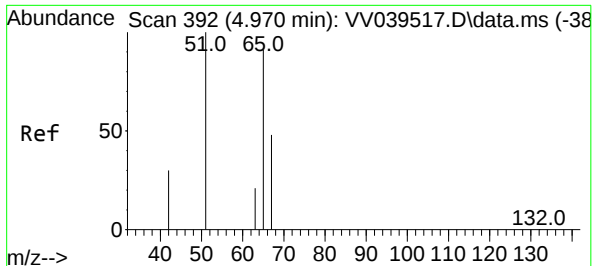
Tgt Ion:114 Resp: 5732
Ion Ratio Lower Upper
114 100
63 20.8 15.0 22.4
88 15.5 12.0 18.0



#2
Vinyl Chloride-d3
Concen: 0.740 ug/L
RT: 1.295 min Scan# 71
Delta R.T. 0.001 min
Lab File: VV039531.D
Acq: 10 Dec 2025 15:16

Tgt Ion: 65 Resp: 4162
Ion Ratio Lower Upper
65 100
67 26.6 22.3 41.5

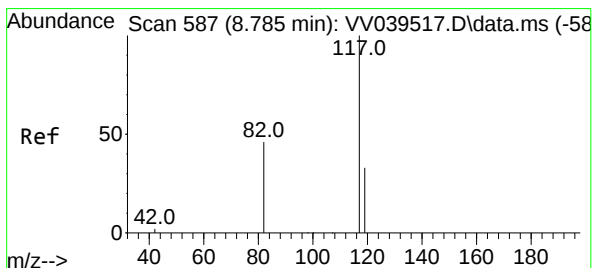
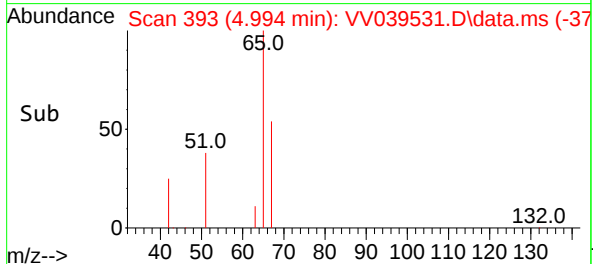
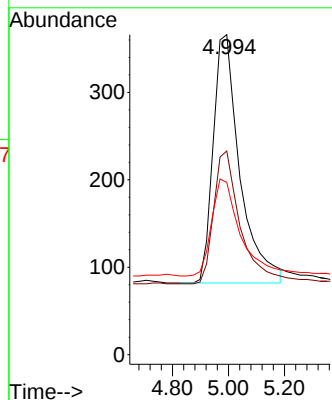
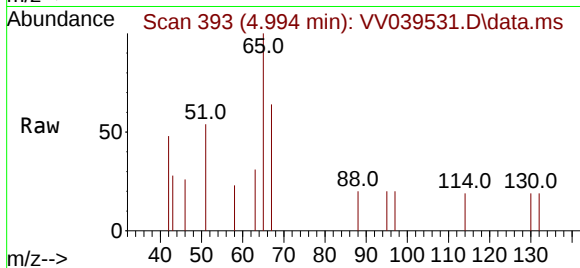




#4
1,2-Dichloroethane-d4
Concen: 0.493 ug/L
RT: 4.994 min Scan# 392
Delta R.T. 0.025 min
Lab File: VV039531.D
Acq: 10 Dec 2025 15:16

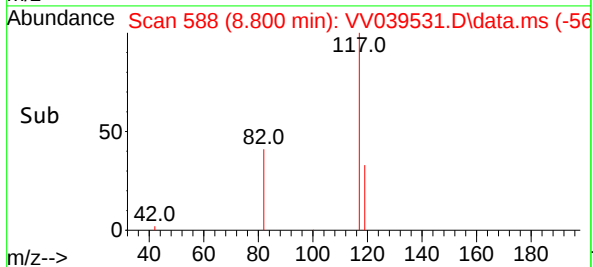
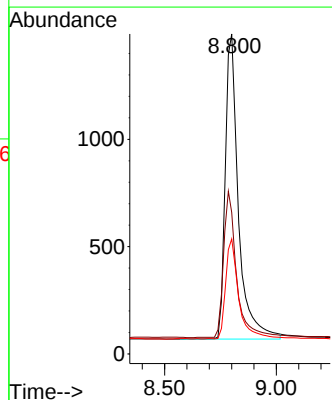
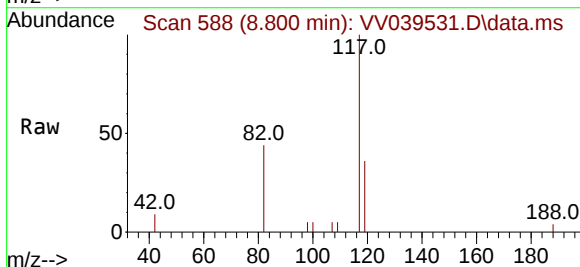
Instrument :
MSVOA_V
ClientSampleId :

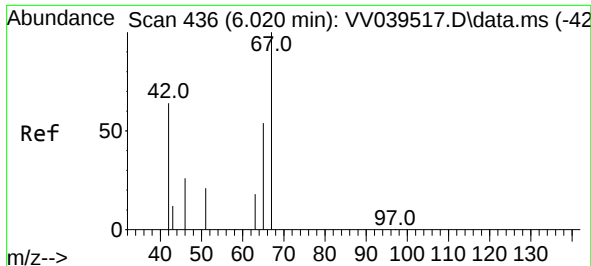
Tgt Ion: 65 Resp: 1880
Ion Ratio Lower Upper
65 100
67 53.2 32.5 60.3
51 41.6 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039531.D
Acq: 10 Dec 2025 15:16

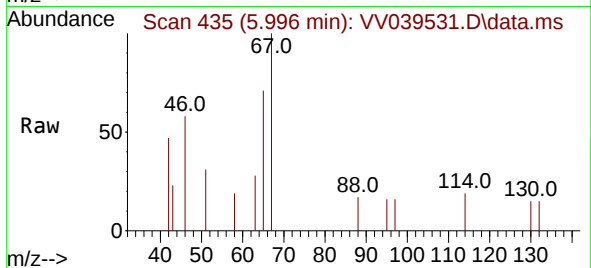
Tgt Ion:117 Resp: 5821
Ion Ratio Lower Upper
117 100
82 47.1 39.4 59.2
119 32.5 26.2 39.2



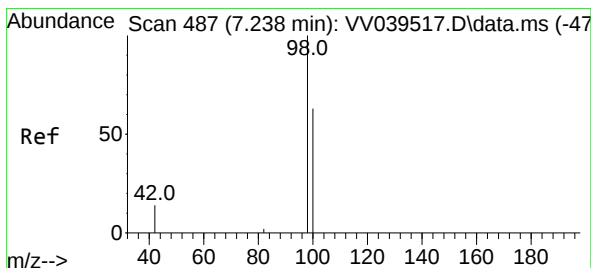
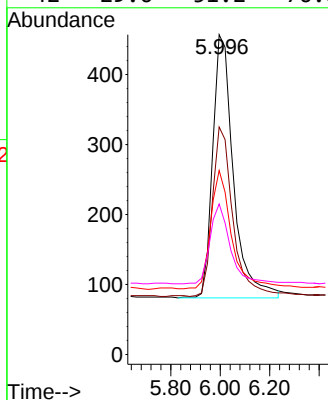
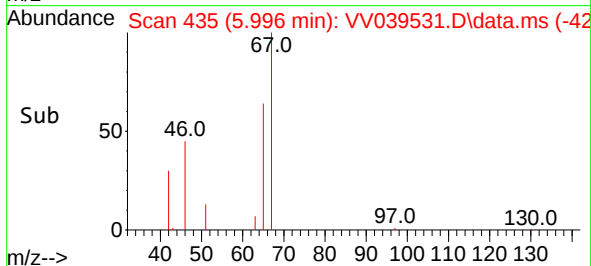


#7
1,2-Dichloropropane-d6
Concen: 0.447 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039531.D
Acq: 10 Dec 2025 15:16

Instrument :
MSVOA_V
ClientSampleId :

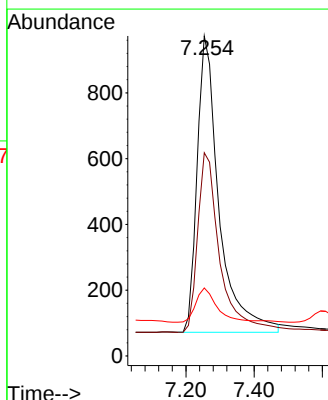
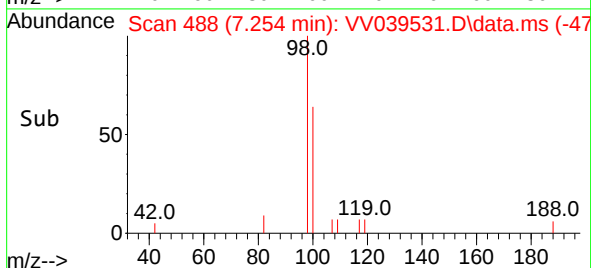
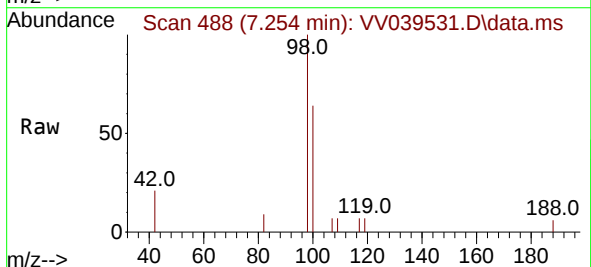


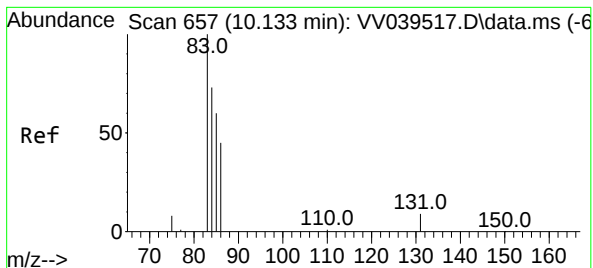
Tgt Ion:	67	Resp:	2195
Ion	Ratio	Lower	Upper
67	100		
65	63.3	37.9	56.9#
46	45.3	27.4	41.0#
42	29.6	51.2	76.8#



#8
Toluene-d8
Concen: 0.486 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039531.D
Acq: 10 Dec 2025 15:16

Tgt Ion:	98	Resp:	4025
Ion	Ratio	Lower	Upper
98	100		
100	61.2	44.5	82.7
42	11.3	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.580 ug/L

RT: 10.133 min Scan# 610

Delta R.T. -0.000 min

Lab File: VV039531.D

Acq: 10 Dec 2025 15:16

Instrument :

MSVOA_V

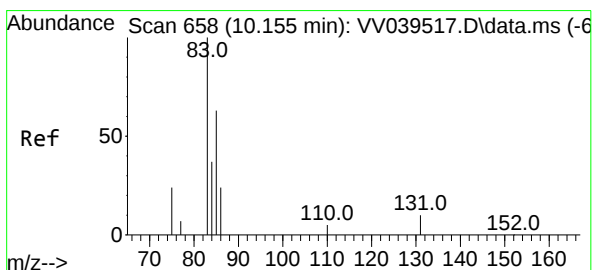
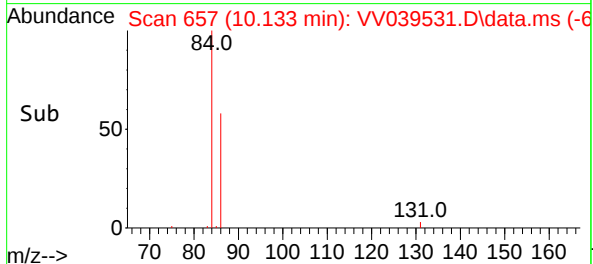
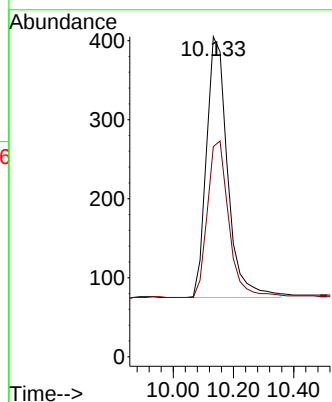
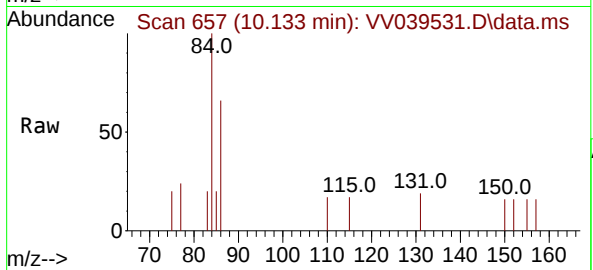
ClientSampleId :

Tgt Ion: 84 Resp: 1606

Ion Ratio Lower Upper

84 100

86 60.9 44.4 82.5



#11

1,1,2,2-Tetrachloroethane

Concen: 0.136 ug/L

RT: 9.556 min Scan# 631

Delta R.T. -0.599 min

Lab File: VV039531.D

Acq: 10 Dec 2025 15:16

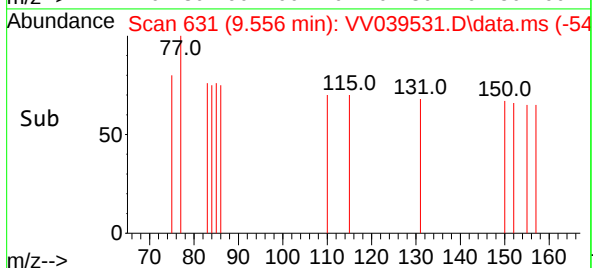
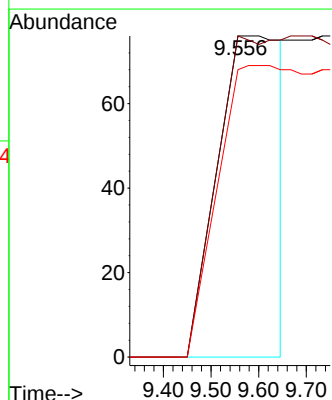
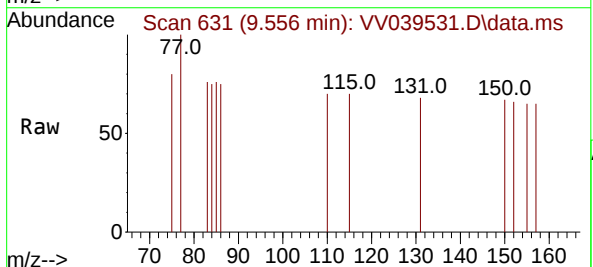
Tgt Ion: 83 Resp: 795

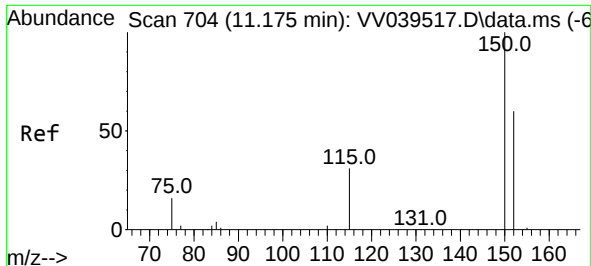
Ion Ratio Lower Upper

83 100

85 70.4 51.0 76.6

131 114.8 8.6 12.8





#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.198 min Scan# 704

Delta R.T. 0.023 min

Lab File: VV039531.D

Acq: 10 Dec 2025 15:16

Instrument :

MSVOA_V

ClientSampleId :

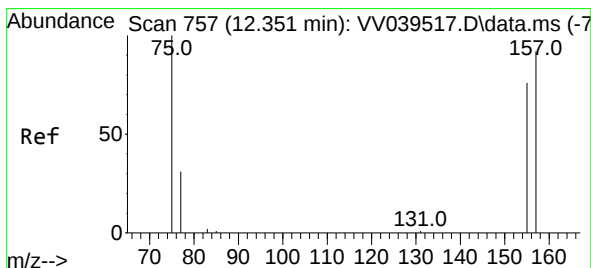
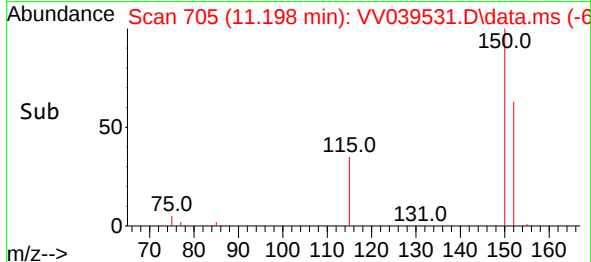
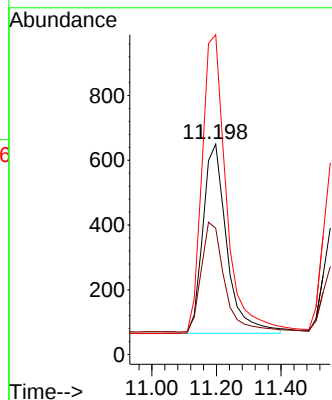
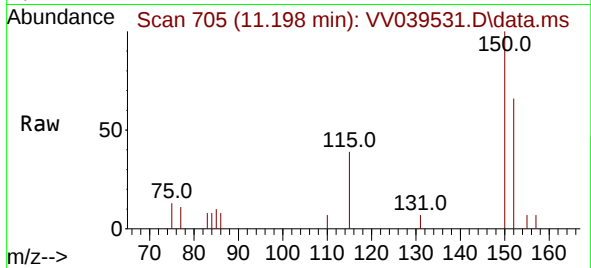
Tgt Ion:152 Resp: 2993

Ion Ratio Lower Upper

152 100

115 56.8 0.0 101.6

150 161.1 0.0 396.2



#14

1,2-Dibromo-3-chloropropane

Concen: 0.144 ug/L

RT: 12.151 min Scan# 748

Delta R.T. -0.200 min

Lab File: VV039531.D

Acq: 10 Dec 2025 15:16

Tgt Ion: 75 Resp: 92

Ion Ratio Lower Upper

75 100

157 64.1 67.8 101.6#

155 67.0 61.9 92.9

