

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
 Data File : VV039527.D
 Acq On : 10 Dec 2025 13:51
 Operator : SY/MD
 Sample : Q3813-04
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 11 00:06:52 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)

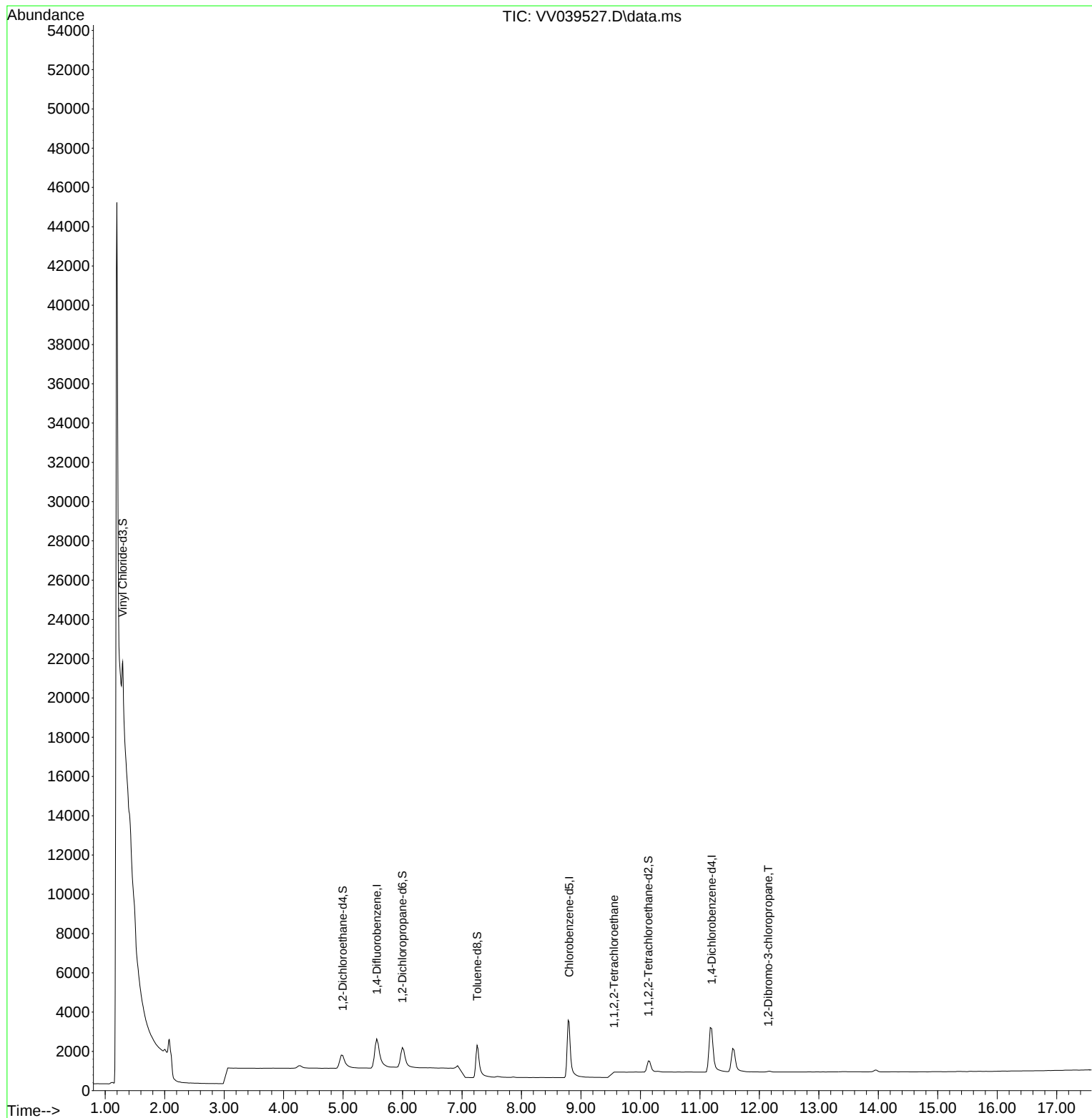
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6637	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6660	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3485	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	4990	0.766	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	= 154.000%#	
4) 1,2-Dichloroethane-d4	4.993	65	1903	0.431	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 86.000%	
7) 1,2-Dichloropropane-d6	5.996	67	2262	0.403	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	= 80.000%	
8) Toluene-d8	7.254	98	4210	0.444	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 88.000%	
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1693	0.535	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	= 106.000%	
Target Compounds						
					Qvalue	
11) 1,1,2,2-Tetrachloroethane	9.556	83	684	0.102	ug/L #	10
14) 1,2-Dibromo-3-chloropr...	12.151	75	104	0.140	ug/L #	82

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

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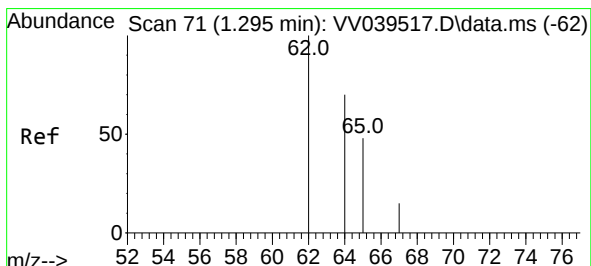
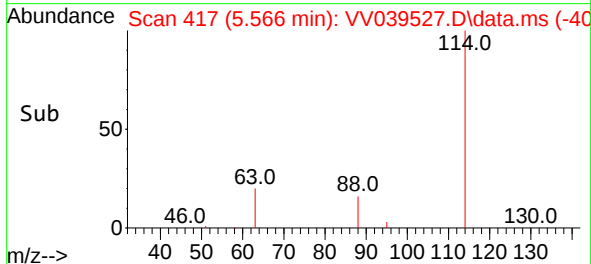
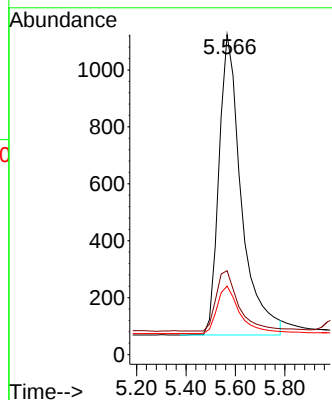
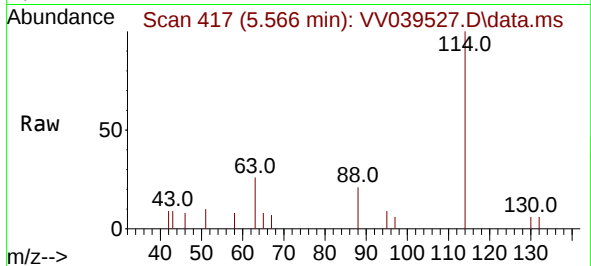




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039527.D
Acq: 10 Dec 2025 13:51

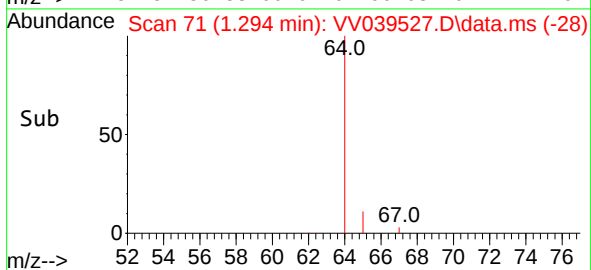
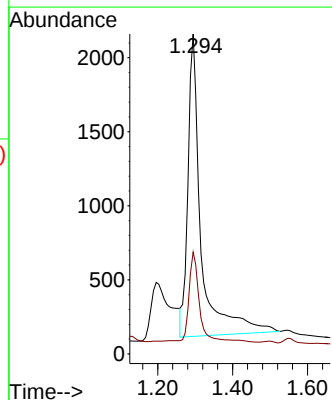
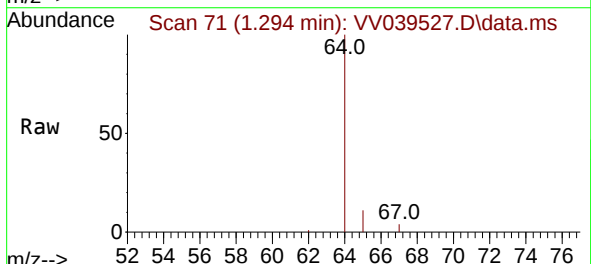
Instrument :
MSVOA_V
ClientSampleId :

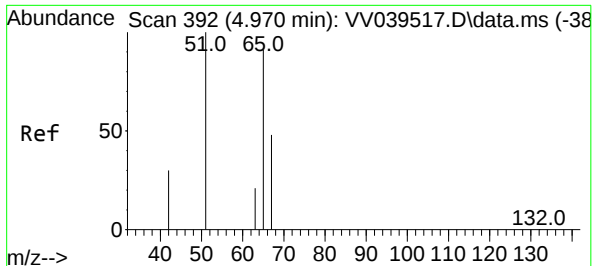
Tgt Ion:114	Resp:	6637
Ion	Ratio	Lower Upper
114	100	
63	20.1	15.0 22.4
88	15.9	12.0 18.0



#2
Vinyl Chloride-d3
Concen: 0.766 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039527.D
Acq: 10 Dec 2025 13:51

Tgt Ion: 65	Resp:	4990
Ion	Ratio	Lower Upper
65	100	
67	24.3	22.3 41.5

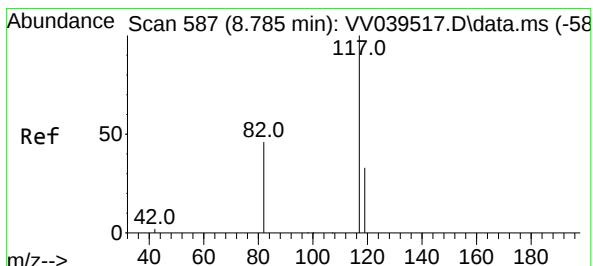
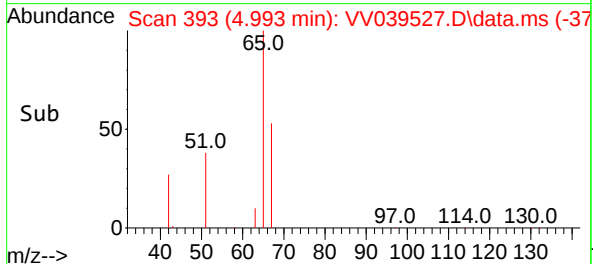
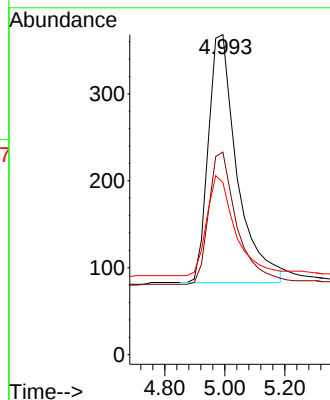
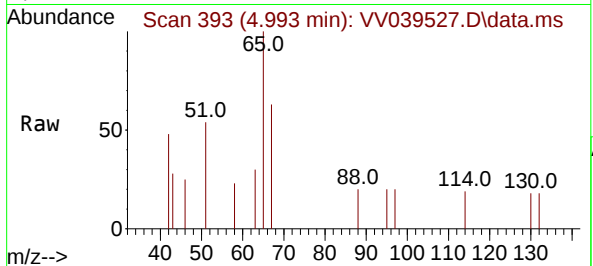




#4
1,2-Dichloroethane-d4
Concen: 0.431 ug/L
RT: 4.993 min Scan# 392
Delta R.T. 0.024 min
Lab File: VV039527.D
Acq: 10 Dec 2025 13:51

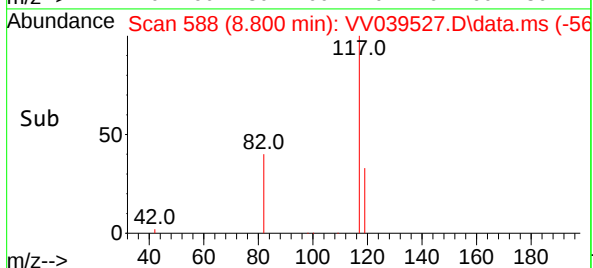
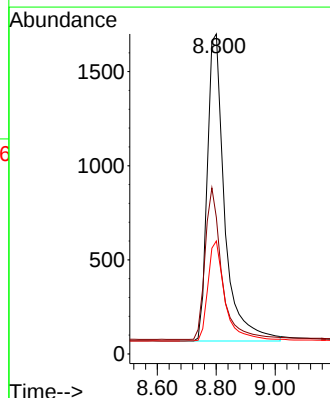
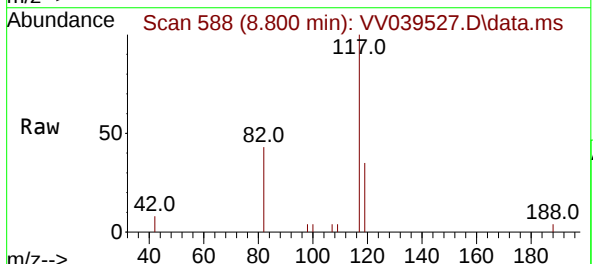
Instrument :
MSVOA_V
ClientSampleId :

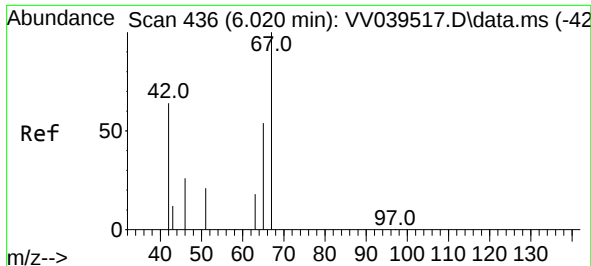
Tgt Ion: 65 Resp: 1903
Ion Ratio Lower Upper
65 100
67 52.4 32.5 60.3
51 39.7 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039527.D
Acq: 10 Dec 2025 13:51

Tgt Ion: 117 Resp: 6660
Ion Ratio Lower Upper
117 100
82 47.7 39.4 59.2
119 32.3 26.2 39.2

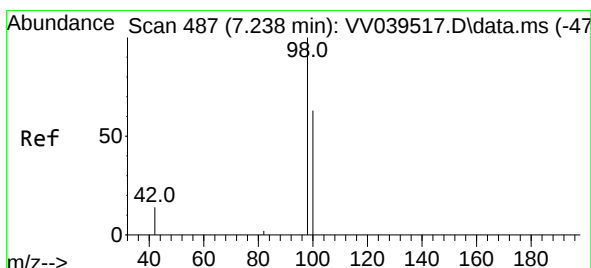
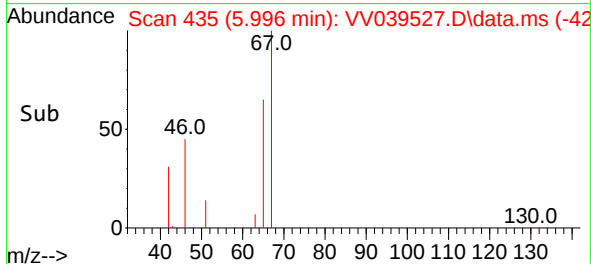
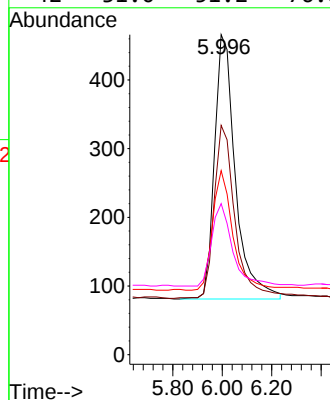
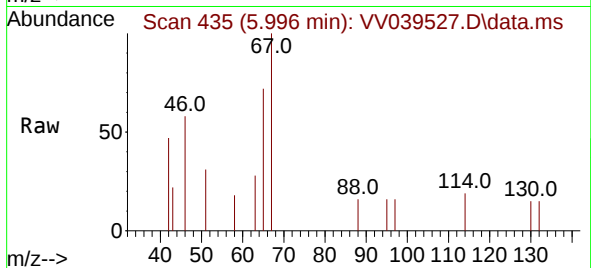




#7
1,2-Dichloropropane-d6
Concen: 0.403 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039527.D
Acq: 10 Dec 2025 13:51

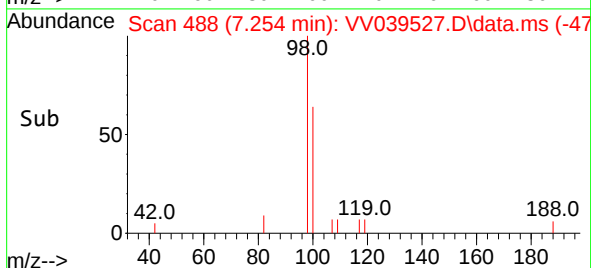
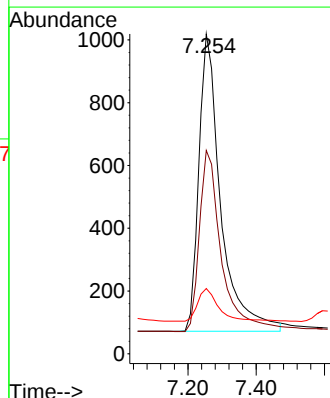
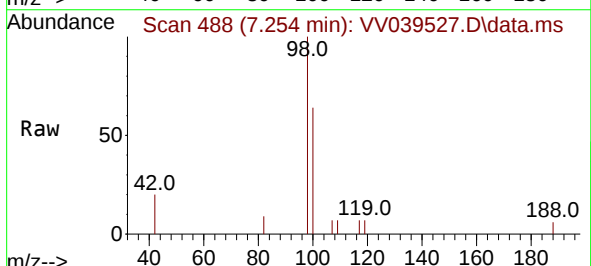
Instrument :
MSVOA_V
ClientSampleId :

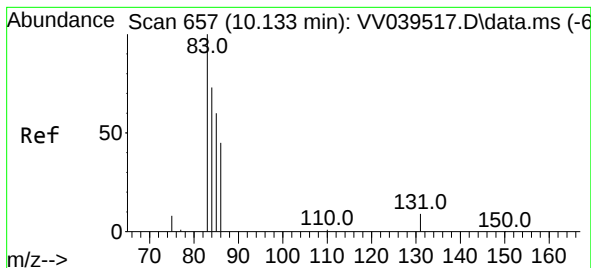
Tgt Ion:	67	Resp:	2262
Ion	Ratio	Lower	Upper
67	100		
65	65.1	37.9	56.9#
46	44.0	27.4	41.0#
42	31.0	51.2	76.8#



#8
Toluene-d8
Concen: 0.444 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039527.D
Acq: 10 Dec 2025 13:51

Tgt Ion:	98	Resp:	4210
Ion	Ratio	Lower	Upper
98	100		
100	61.5	44.5	82.7
42	10.4	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.535 ug/L

RT: 10.133 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV039527.D

Acq: 10 Dec 2025 13:51

Instrument :

MSVOA_V

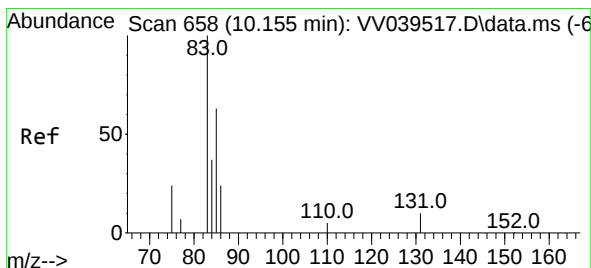
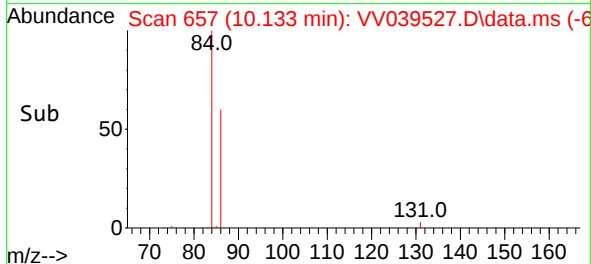
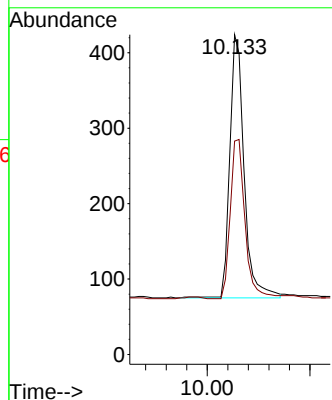
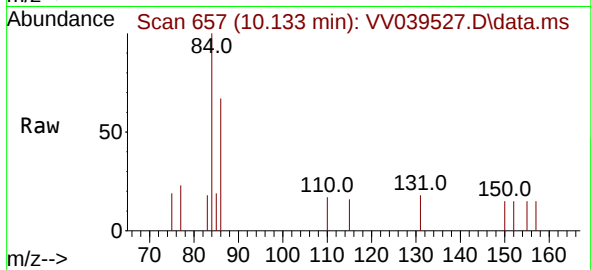
ClientSampleId :

Tgt Ion: 84 Resp: 1693

Ion Ratio Lower Upper

84 100

86 62.0 44.4 82.5



#11

1,1,2,2-Tetrachloroethane

Concen: 0.102 ug/L

RT: 9.556 min Scan# 631

Delta R.T. -0.599 min

Lab File: VV039527.D

Acq: 10 Dec 2025 13:51

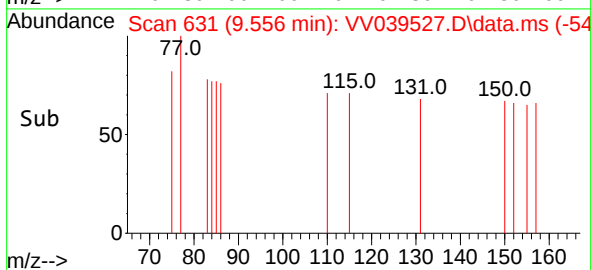
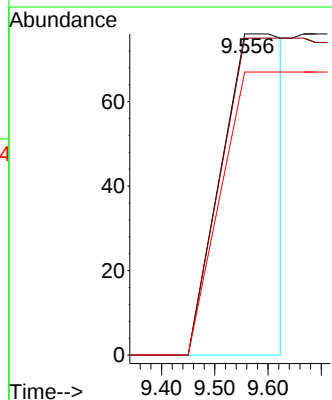
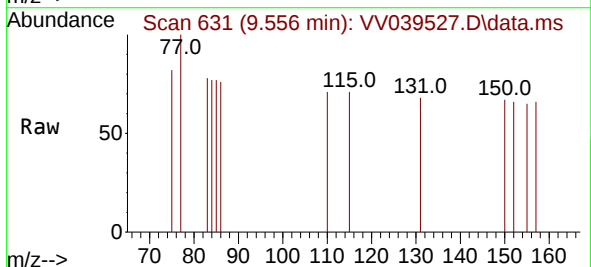
Tgt Ion: 83 Resp: 684

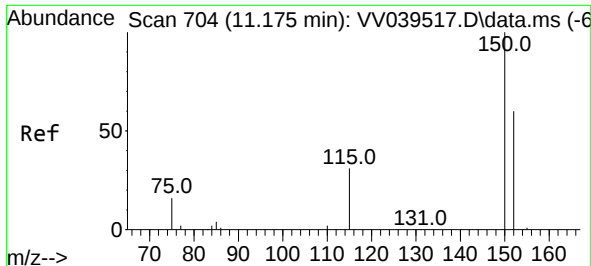
Ion Ratio Lower Upper

83 100

85 42.3 51.0 76.6#

131 185.2 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: VV039527.D

Acq: 10 Dec 2025 13:51

Instrument :

MSVOA_V

ClientSampleId :

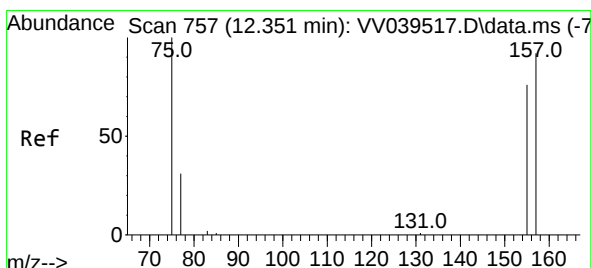
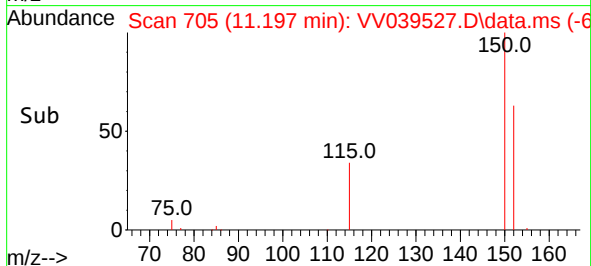
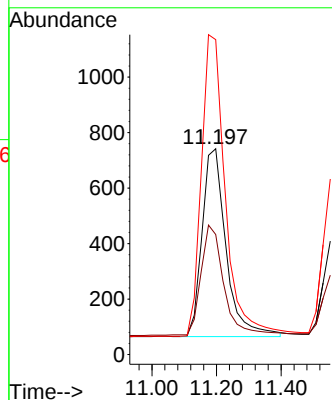
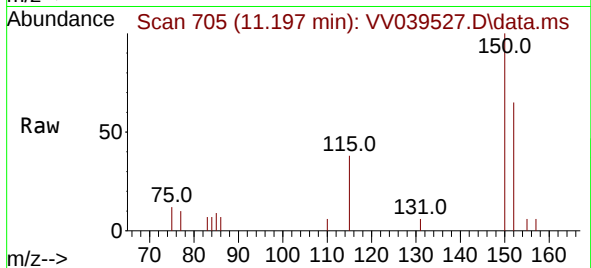
Tgt Ion:152 Resp: 3485

Ion Ratio Lower Upper

152 100

115 56.1 0.0 101.6

150 159.5 0.0 396.2



#14

1,2-Dibromo-3-chloropropane

Concen: 0.140 ug/L

RT: 12.151 min Scan# 748

Delta R.T. -0.200 min

Lab File: VV039527.D

Acq: 10 Dec 2025 13:51

Tgt Ion: 75 Resp: 104

Ion Ratio Lower Upper

75 100

157 63.1 67.8 101.6#

155 67.0 61.9 92.9

