

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
 Data File : VV039529.D
 Acq On : 10 Dec 2025 14:33
 Operator : SY/MD
 Sample : VIBLK
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 11 00:07:15 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)

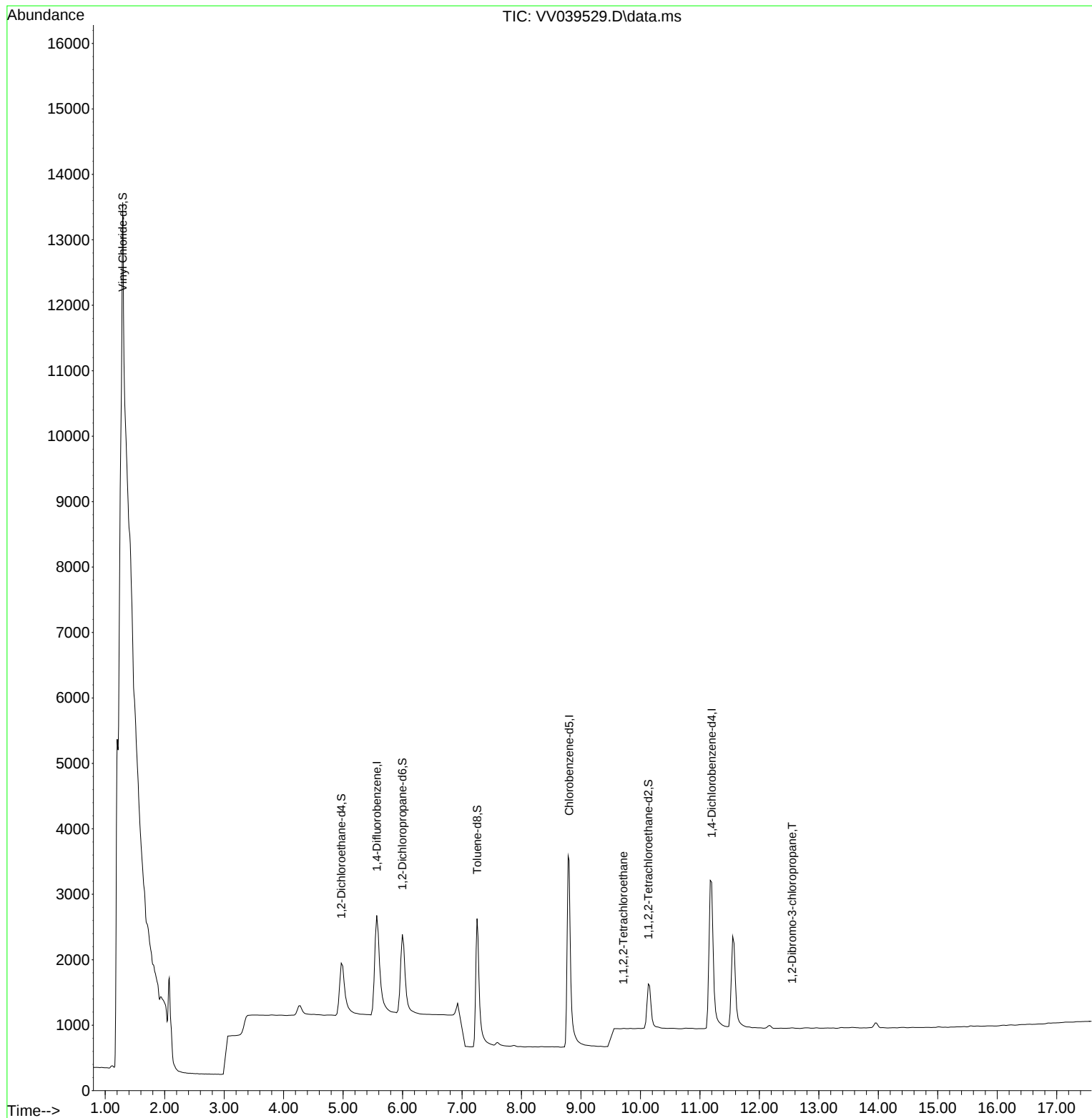
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6720	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6707	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3493	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	5172	0.784	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	156.000%#
4) 1,2-Dichloroethane-d4	4.970	65	2236	0.500	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	100.000%
7) 1,2-Dichloropropane-d6	5.996	67	2630	0.465	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	92.000%
8) Toluene-d8	7.254	98	4879	0.511	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	102.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1965	0.616	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	124.000%#
Target Compounds						
						Qvalue
11) 1,1,2,2-Tetrachloroethane	9.711	83	1747	0.260	ug/L #	55
14) 1,2-Dibromo-3-chloropr...	12.550	75	17	0.023	ug/L	94

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

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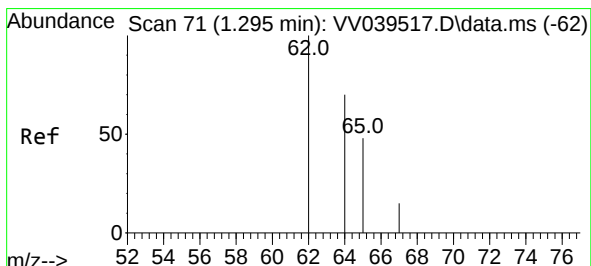
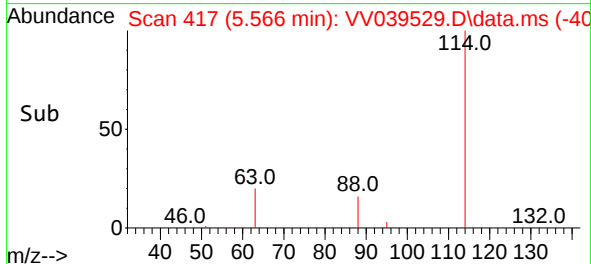
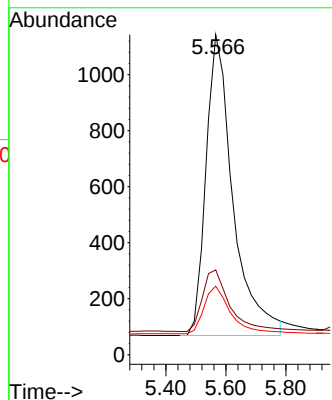
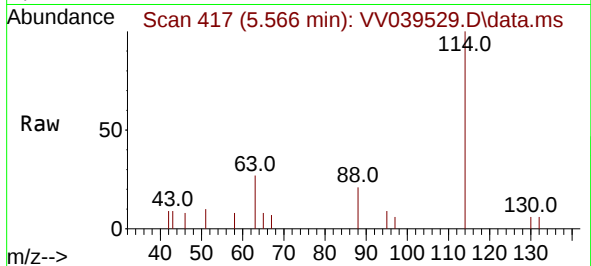




#1
 1,4-Difluorobenzene
 Concen: 0.500 ug/L
 RT: 5.566 min Scan# 417
 Delta R.T. 0.000 min
 Lab File: VV039529.D
 Acq: 10 Dec 2025 14:33

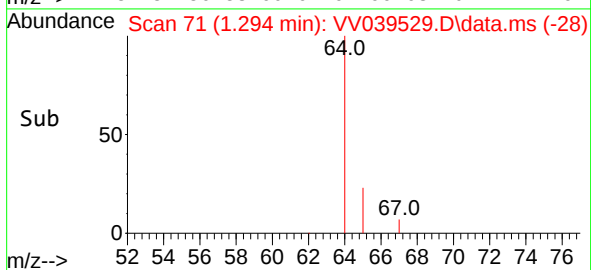
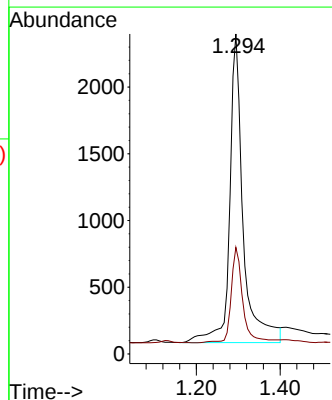
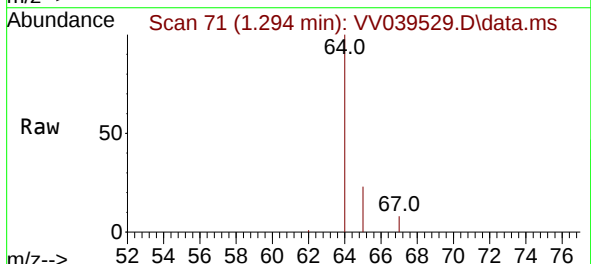
Instrument :
 MSVOA_V
 ClientSampleId :

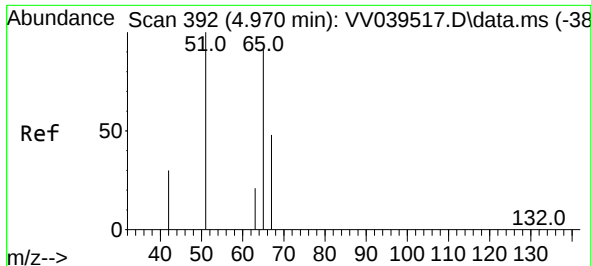
Tgt Ion:114 Resp: 6720
 Ion Ratio Lower Upper
 114 100
 63 20.7 15.0 22.4
 88 15.5 12.0 18.0



#2
 Vinyl Chloride-d3
 Concen: 0.784 ug/L
 RT: 1.294 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV039529.D
 Acq: 10 Dec 2025 14:33

Tgt Ion: 65 Resp: 5172
 Ion Ratio Lower Upper
 65 100
 67 26.6 22.3 41.5

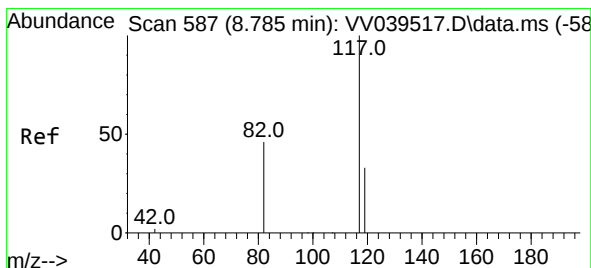
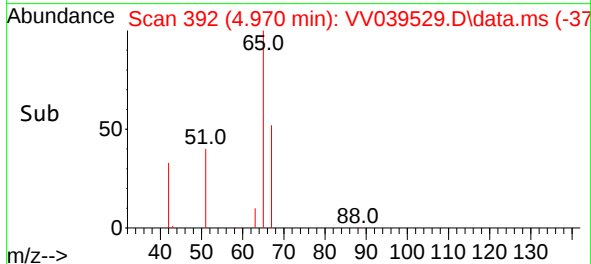
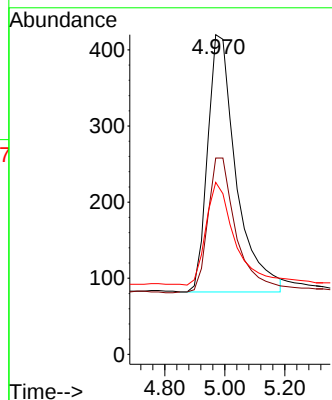
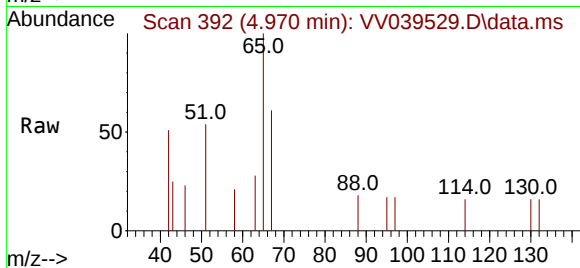




#4
1,2-Dichloroethane-d4
Concen: 0.500 ug/L
RT: 4.970 min Scan# 392
Delta R.T. 0.001 min
Lab File: VV039529.D
Acq: 10 Dec 2025 14:33

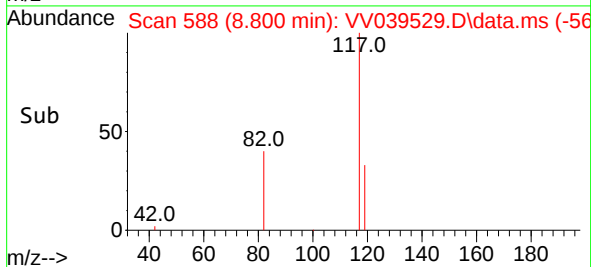
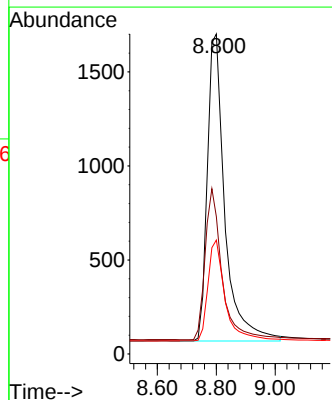
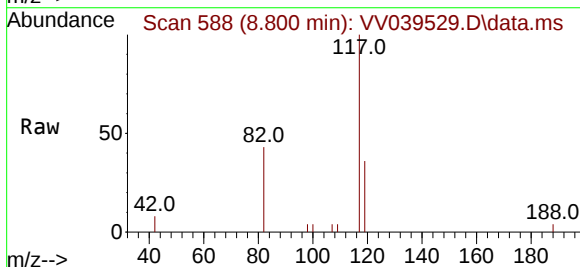
Instrument :
MSVOA_V
ClientSampleId :

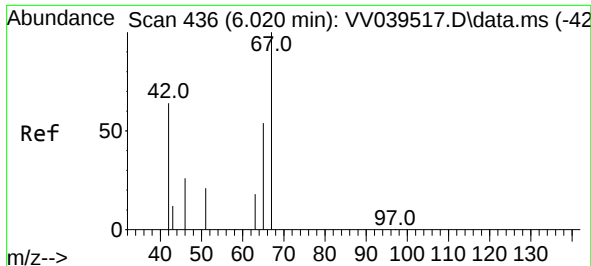
Tgt Ion: 65 Resp: 2236
Ion Ratio Lower Upper
65 100
67 52.3 32.5 60.3
51 39.4 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039529.D
Acq: 10 Dec 2025 14:33

Tgt Ion: 117 Resp: 6707
Ion Ratio Lower Upper
117 100
82 47.9 39.4 59.2
119 32.7 26.2 39.2

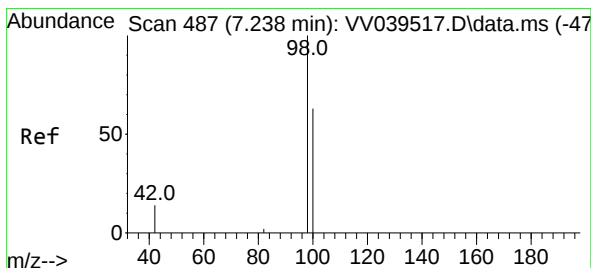
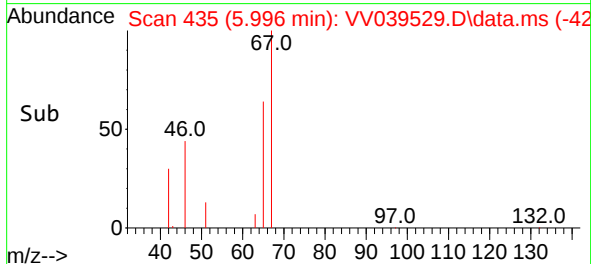
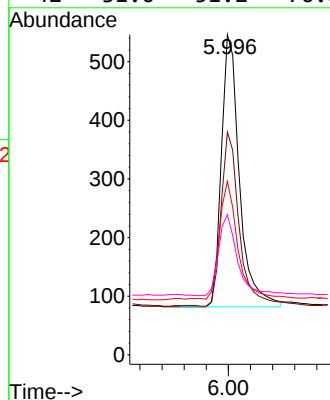
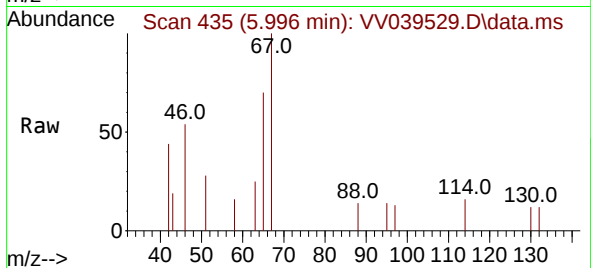




#7
1,2-Dichloropropane-d6
Concen: 0.465 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039529.D
Acq: 10 Dec 2025 14:33

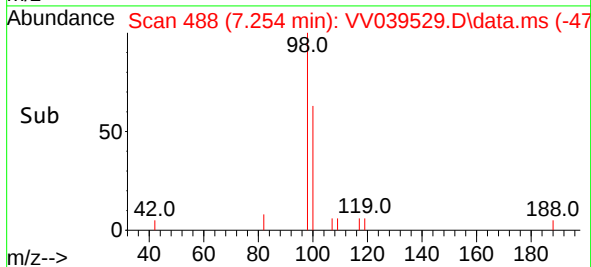
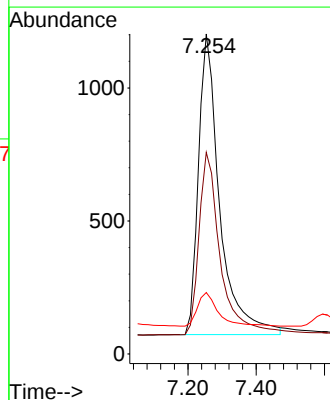
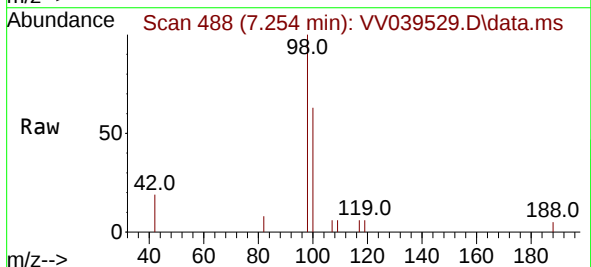
Instrument :
MSVOA_V
ClientSampleId :

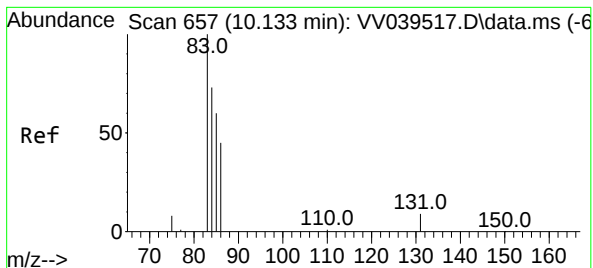
Tgt Ion:	67	Resp:	2630
Ion	Ratio	Lower	Upper
67	100		
65	63.8	37.9	56.9#
46	43.5	27.4	41.0#
42	31.0	51.2	76.8#



#8
Toluene-d8
Concen: 0.511 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039529.D
Acq: 10 Dec 2025 14:33

Tgt Ion:	98	Resp:	4879
Ion	Ratio	Lower	Upper
98	100		
100	60.9	44.5	82.7
42	10.8	10.1	18.7

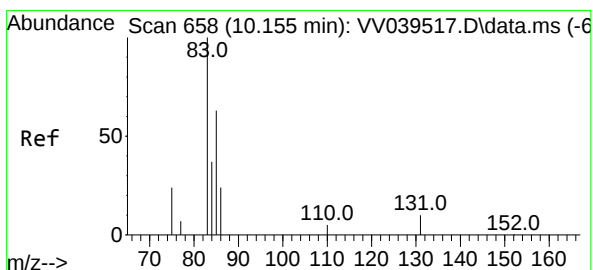
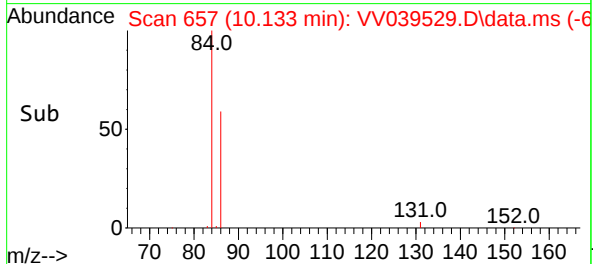
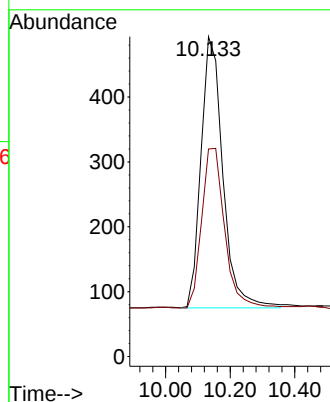
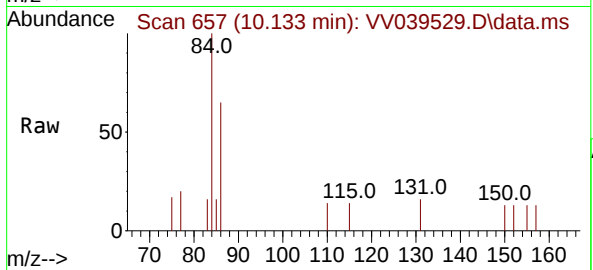




#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.616 ug/L
RT: 10.133 min Scan# 610
Delta R.T. -0.000 min
Lab File: VV039529.D
Acq: 10 Dec 2025 14:33

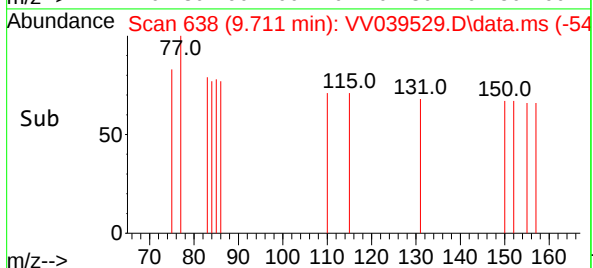
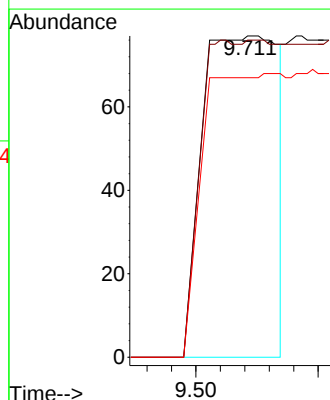
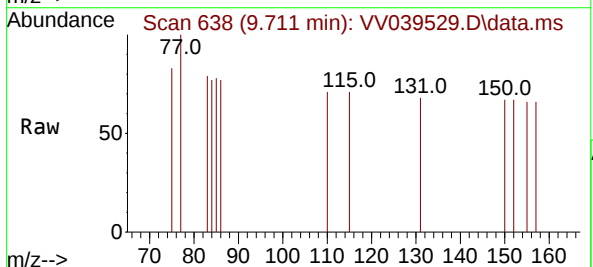
Instrument :
MSVOA_V
ClientSampleId :

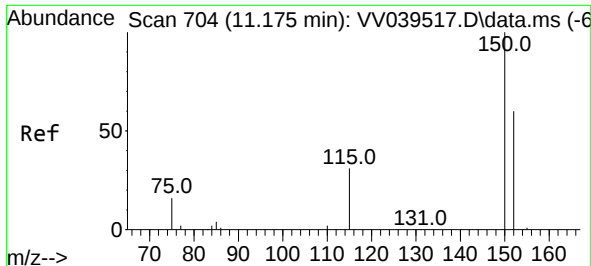
Tgt Ion: 84 Resp: 1965
Ion Ratio Lower Upper
84 100
86 61.6 44.4 82.5



#11
1,1,2,2-Tetrachloroethane
Concen: 0.260 ug/L
RT: 9.711 min Scan# 638
Delta R.T. -0.444 min
Lab File: VV039529.D
Acq: 10 Dec 2025 14:33

Tgt Ion: 83 Resp: 1747
Ion Ratio Lower Upper
83 100
85 51.6 51.0 76.6
131 93.6 8.6 12.8#





#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 704

Delta R.T. 0.022 min

Lab File: VV039529.D

Acq: 10 Dec 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

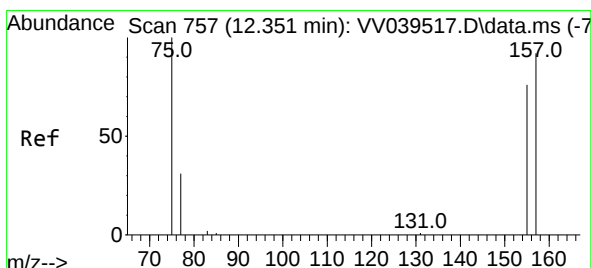
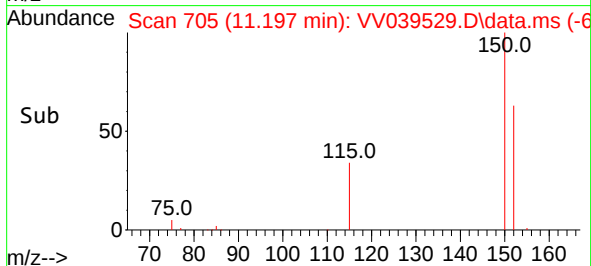
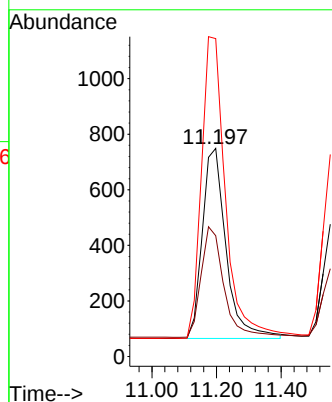
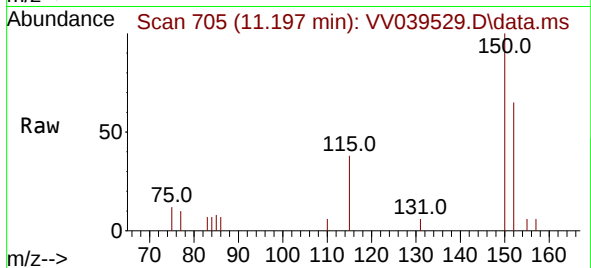
Tgt Ion:152 Resp: 3493

Ion Ratio Lower Upper

152 100

115 55.9 0.0 101.6

150 160.1 0.0 396.2



#14

1,2-Dibromo-3-chloropropane

Concen: 0.023 ug/L

RT: 12.550 min Scan# 766

Delta R.T. 0.199 min

Lab File: VV039529.D

Acq: 10 Dec 2025 14:33

Tgt Ion: 75 Resp: 17

Ion Ratio Lower Upper

75 100

157 75.6 67.8 101.6

155 75.6 61.9 92.9

