

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
 Data File : VV039493.D
 Acq On : 08 Dec 2025 15:20
 Operator : SY/MD
 Sample : VIBLK232
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK232

Quant Time: Dec 09 01:28:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 04 00:58:46 2025
 Response via : Initial Calibration

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

Internal Standards					
1) 1,4-Difluorobenzene	5.566	114	7228	0.500 ug/L	0.00
5) Chlorobenzene-d5	8.800	117	7104	0.500 ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3742	0.500 ug/L	0.02

System Monitoring Compounds					
2) Vinyl Chloride-d3	1.294	65	4081	0.561 ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	= 112.000%
4) 1,2-Dichloroethane-d4	4.993	65	2077	0.432 ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 86.000%
7) 1,2-Dichloropropane-d6	5.996	67	2401	0.401 ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	= 80.000%
8) Toluene-d8	7.254	98	4500	0.445 ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 90.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1761	0.521 ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	= 104.000%

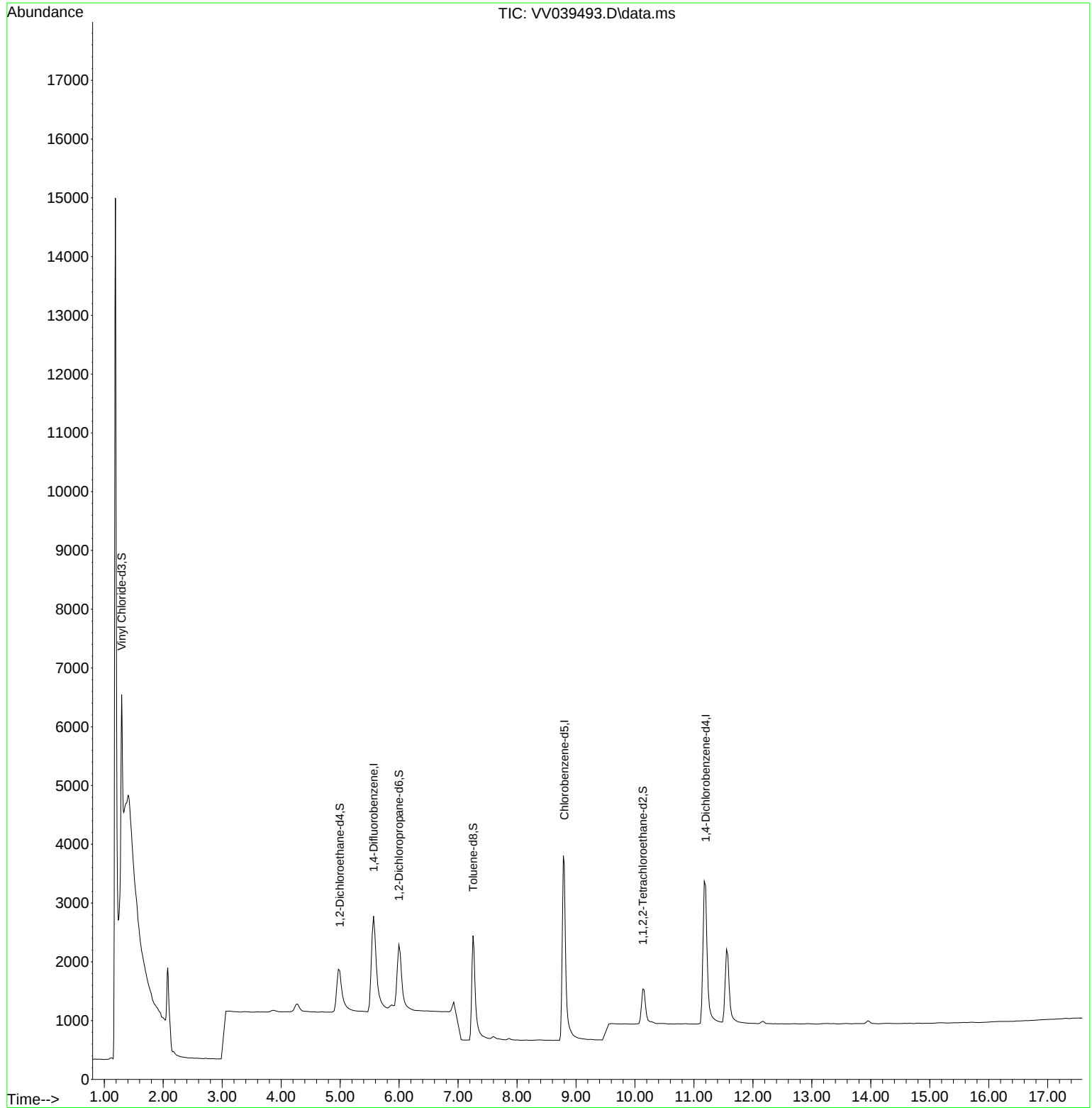
Target Compounds	Qvalue

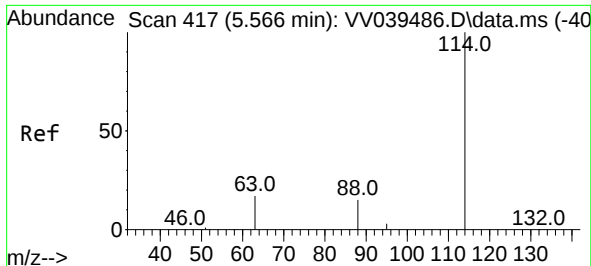
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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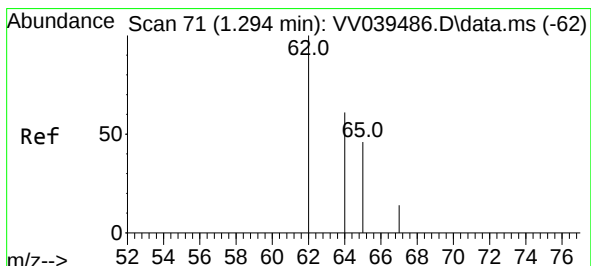
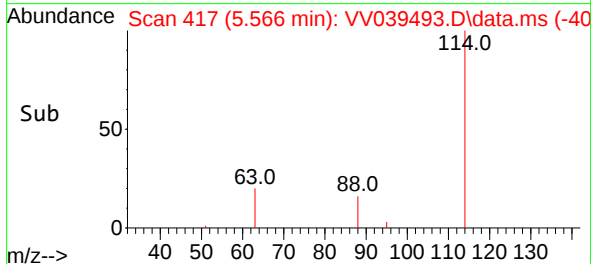
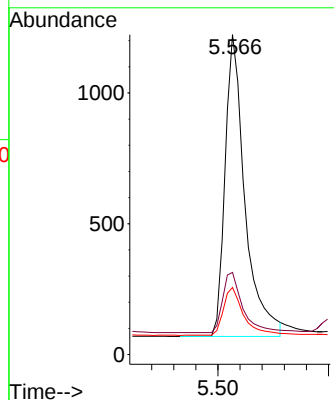
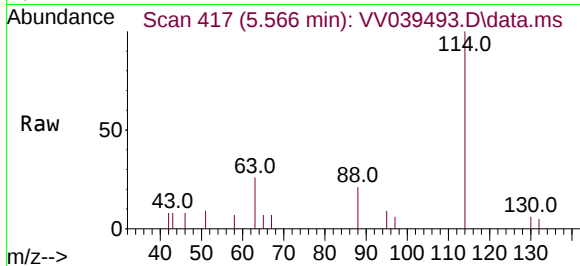




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039493.D
Acq: 08 Dec 2025 15:20

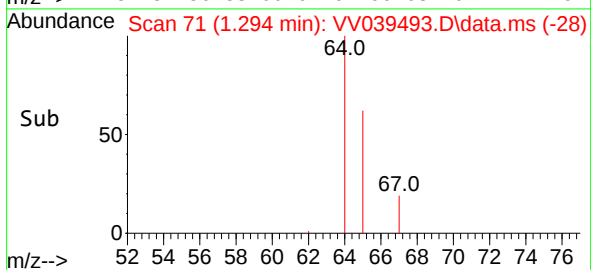
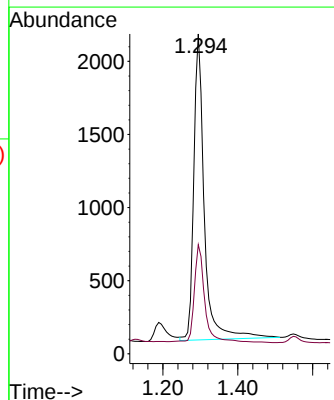
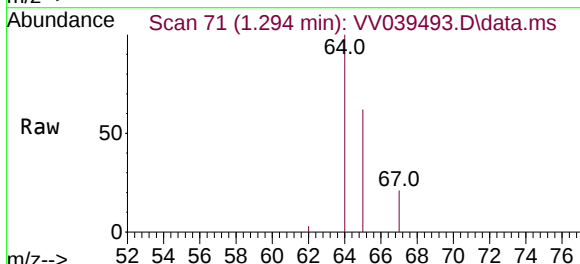
Instrument :
MSVOA_V
ClientSampleId :
VIBLK232

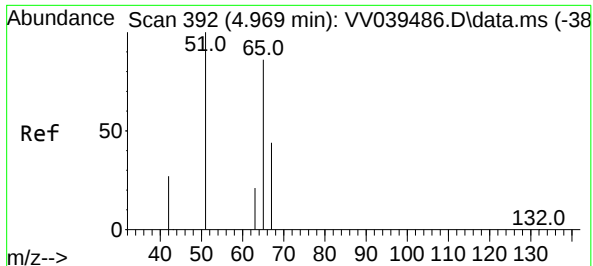
Tgt Ion:	114	Resp:	7228
Ion	Ratio	Lower	Upper
114	100		
63	19.9	15.0	22.4
88	15.8	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.561 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039493.D
Acq: 08 Dec 2025 15:20

Tgt Ion:	65	Resp:	4081
Ion	Ratio	Lower	Upper
65	100		
67	32.2	22.3	41.5

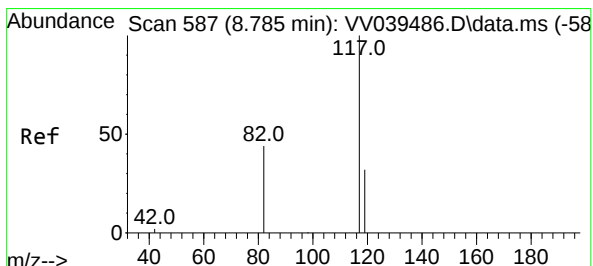
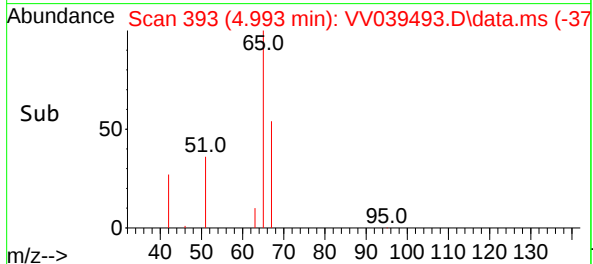
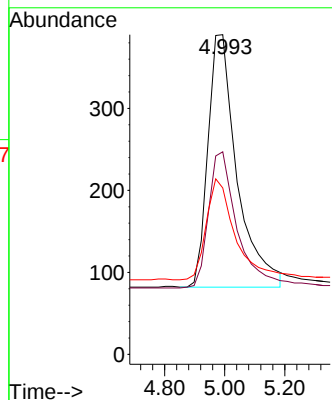
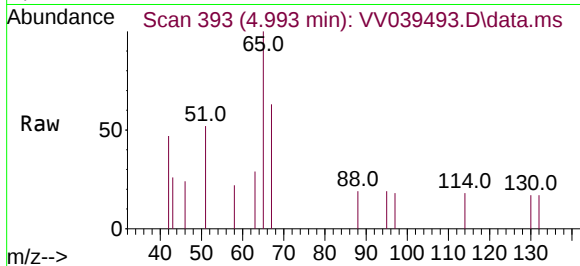




#4
1,2-Dichloroethane-d4
Concen: 0.432 ug/L
RT: 4.993 min Scan# 392
Delta R.T. 0.024 min
Lab File: VV039493.D
Acq: 08 Dec 2025 15:20

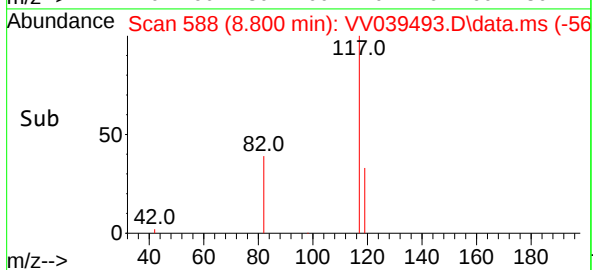
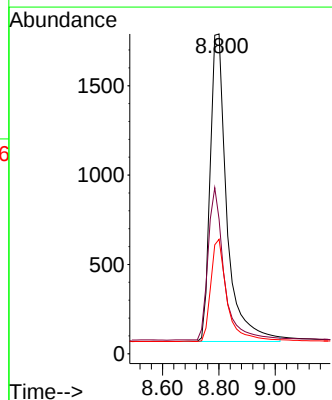
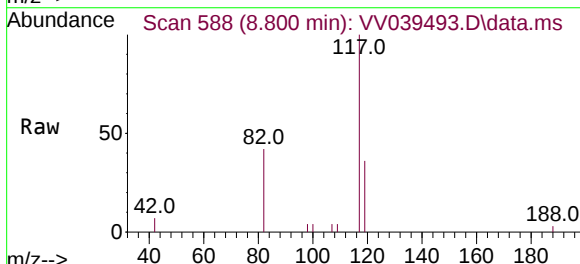
Instrument :
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VIBLK232

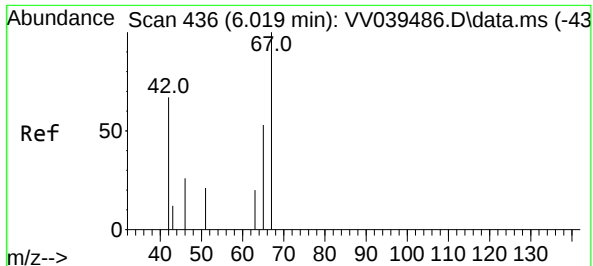
Tgt Ion: 65 Resp: 2077
Ion Ratio Lower Upper
65 100
67 53.0 32.5 60.3
51 39.6 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.016 min
Lab File: VV039493.D
Acq: 08 Dec 2025 15:20

Tgt Ion:117 Resp: 7104
Ion Ratio Lower Upper
117 100
82 47.3 39.4 59.2
119 32.6 26.2 39.2

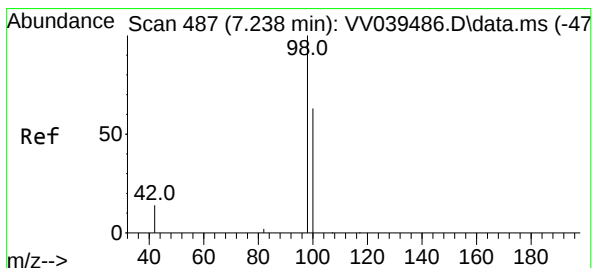
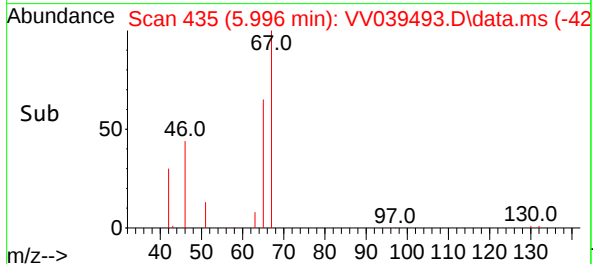
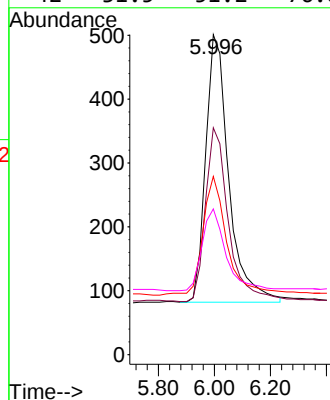
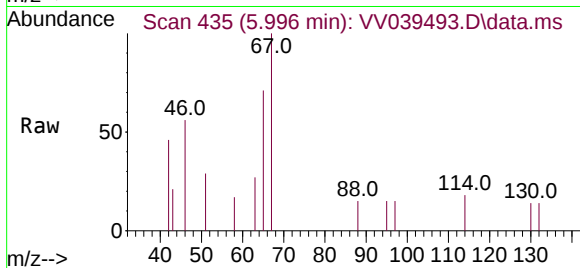




#7
1,2-Dichloropropane-d6
Concen: 0.401 ug/L
RT: 5.996 min Scan# 436
Delta R.T. -0.023 min
Lab File: VV039493.D
Acq: 08 Dec 2025 15:20

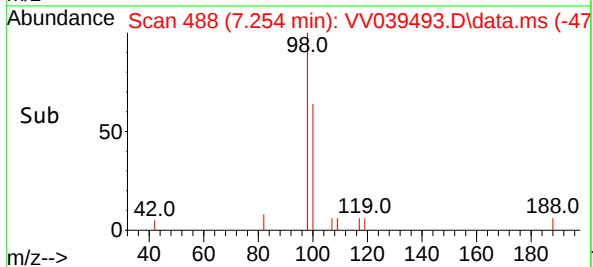
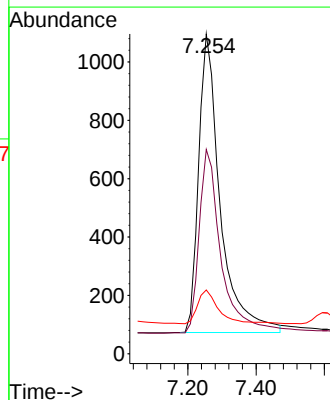
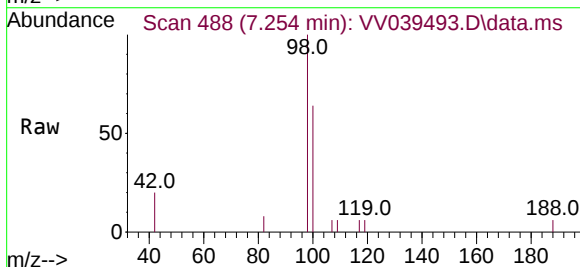
Instrument :
MSVOA_V
ClientSampleId :
VIBLK232

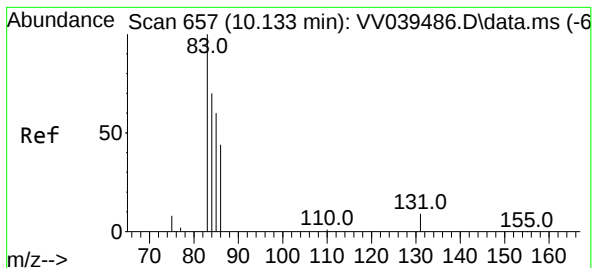
Tgt Ion:	67	Resp:	2401
Ion	Ratio	Lower	Upper
67	100		
65	64.9	37.9	56.9#
46	46.4	27.4	41.0#
42	31.5	51.2	76.8#



#8
Toluene-d8
Concen: 0.445 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039493.D
Acq: 08 Dec 2025 15:20

Tgt Ion:	98	Resp:	4500
Ion	Ratio	Lower	Upper
98	100		
100	61.8	44.5	82.7
42	10.7	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.521 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039493.D

Acq: 08 Dec 2025 15:20

Instrument :

MSVOA_V

ClientSampleId :

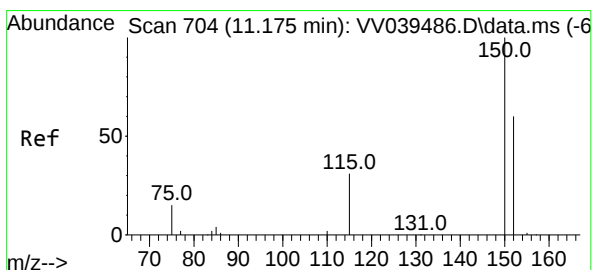
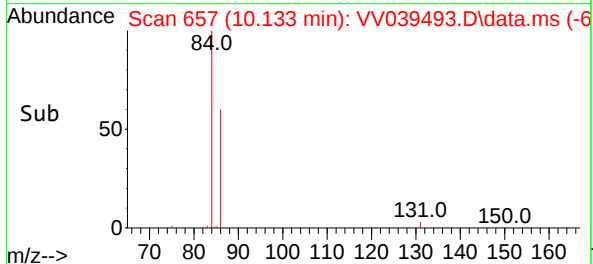
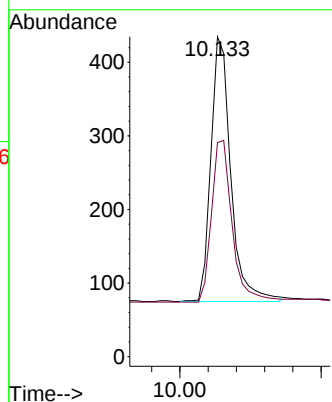
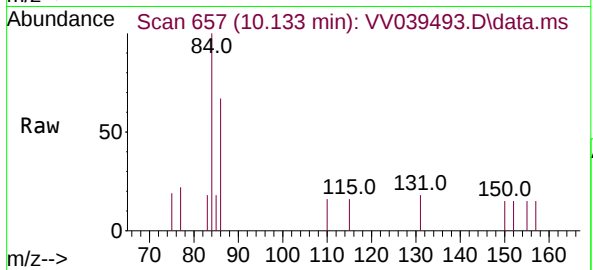
VIBLK232

Tgt Ion: 84 Resp: 1761

Ion Ratio Lower Upper

84 100

86 63.7 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039493.D

Acq: 08 Dec 2025 15:20

Tgt Ion:152 Resp: 3742

Ion Ratio Lower Upper

152 100

115 53.5 0.0 101.6

150 159.8 0.0 396.2

