

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120425\
 Data File : VV039469.D
 Acq On : 04 Dec 2025 15:24
 Operator : SY/MD
 Sample : VIBLK
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 05 00:10:27 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)

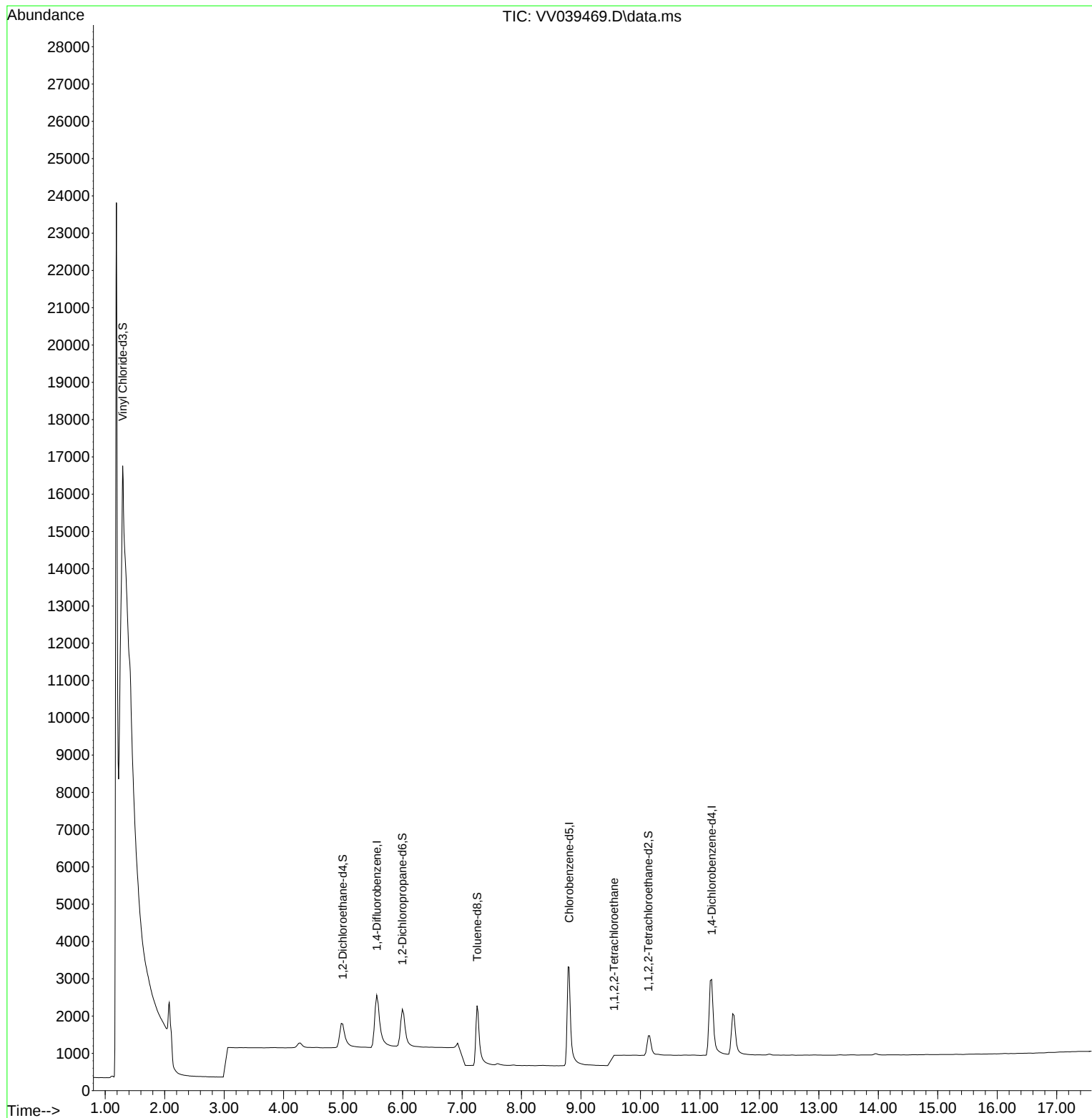
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6254	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6214	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3212	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	4710	0.749	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	= 150.000%#	
4) 1,2-Dichloroethane-d4	4.993	65	1933	0.464	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 92.000%	
7) 1,2-Dichloropropane-d6	5.995	67	2215	0.422	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	= 84.000%	
8) Toluene-d8	7.253	98	4155	0.470	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 94.000%	
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1606	0.544	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	= 108.000%	
Target Compounds						
11) 1,1,2,2-Tetrachloroethane	9.556	83	907	0.146	ug/L	Qvalue # 29

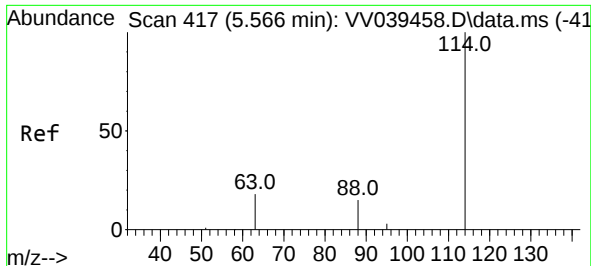
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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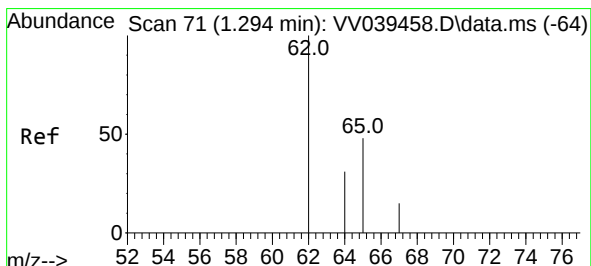
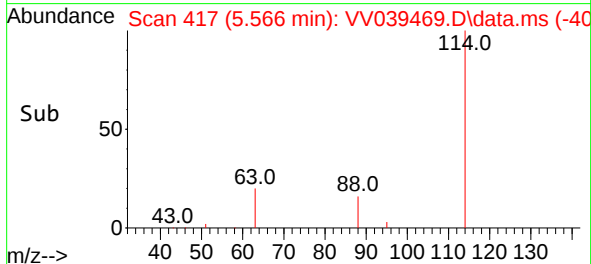
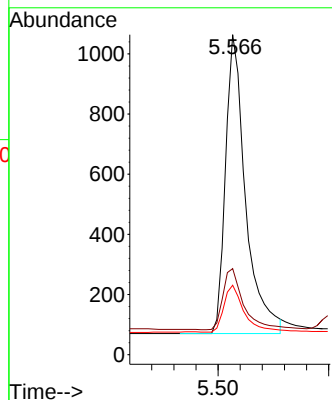
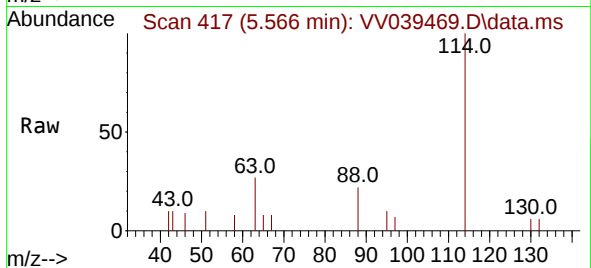




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV039469.D
Acq: 04 Dec 2025 15:24

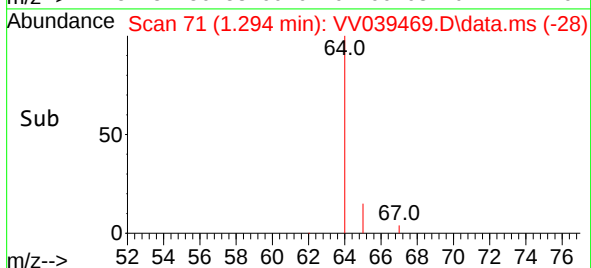
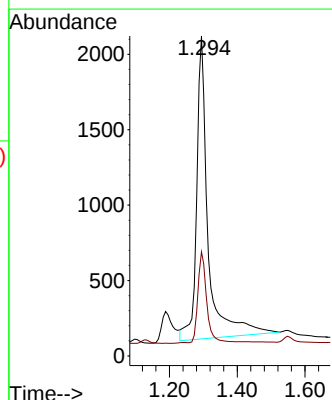
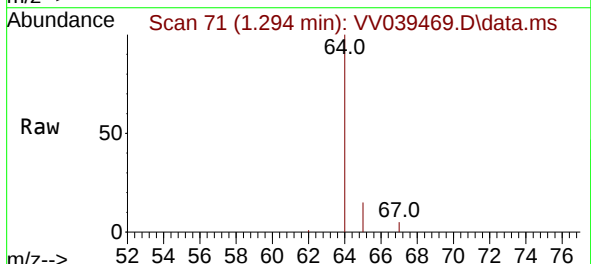
Instrument :
MSVOA_V
ClientSampleId :

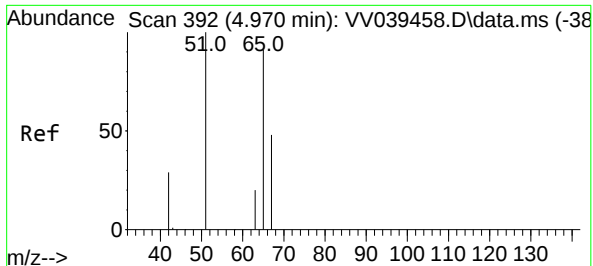
Tgt Ion:114 Resp: 6254
Ion Ratio Lower Upper
114 100
63 20.8 15.0 22.4
88 15.6 12.0 18.0



#2
Vinyl Chloride-d3
Concen: 0.749 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039469.D
Acq: 04 Dec 2025 15:24

Tgt Ion: 65 Resp: 4710
Ion Ratio Lower Upper
65 100
67 23.0 22.3 41.5

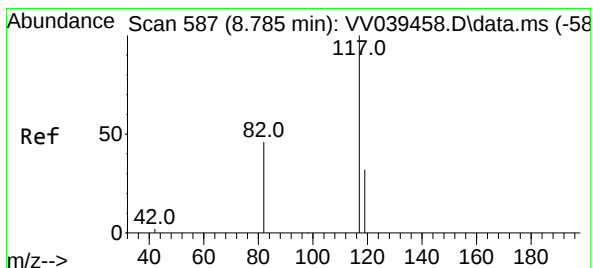
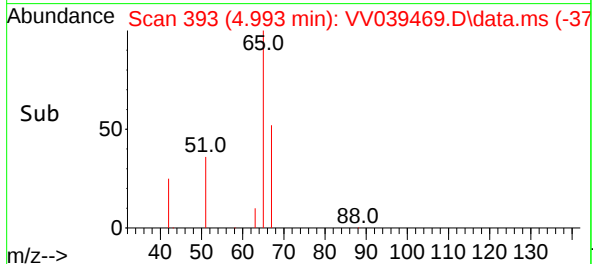
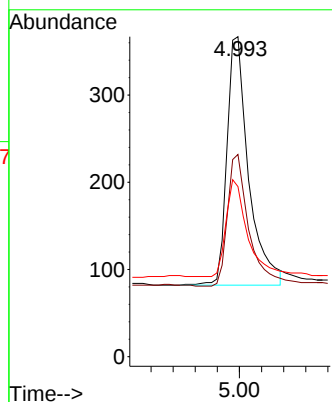
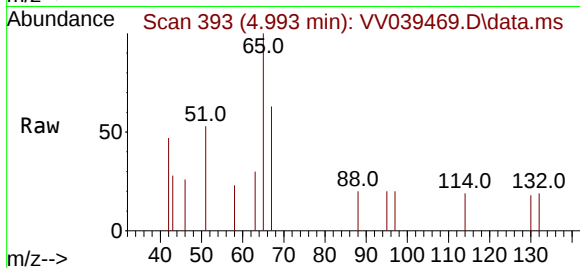




#4
1,2-Dichloroethane-d4
Concen: 0.464 ug/L
RT: 4.993 min Scan# 392
Delta R.T. 0.024 min
Lab File: VV039469.D
Acq: 04 Dec 2025 15:24

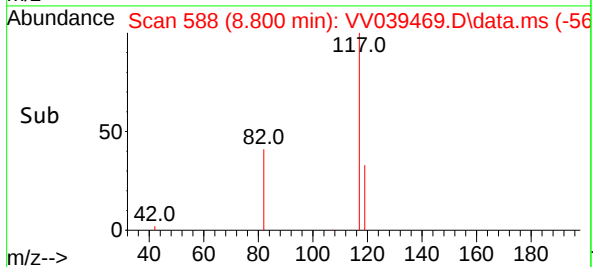
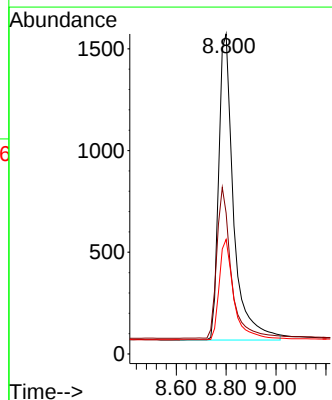
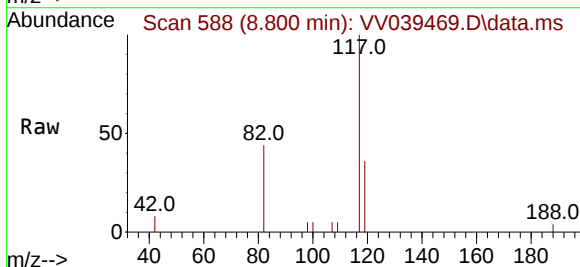
Instrument :
MSVOA_V
ClientSampleId :

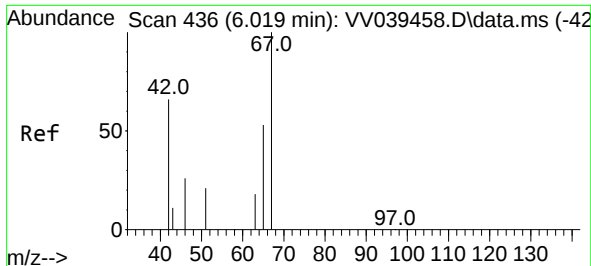
Tgt Ion: 65 Resp: 1933
Ion Ratio Lower Upper
65 100
67 51.8 32.5 60.3
51 38.2 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039469.D
Acq: 04 Dec 2025 15:24

Tgt Ion: 117 Resp: 6214
Ion Ratio Lower Upper
117 100
82 48.2 39.4 59.2
119 32.4 26.2 39.2

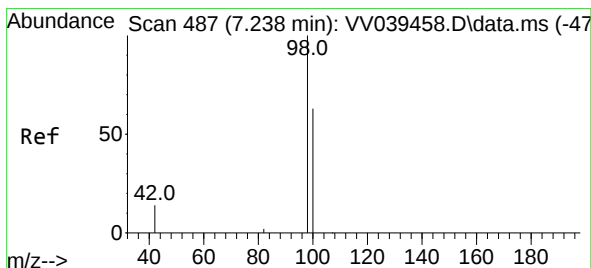
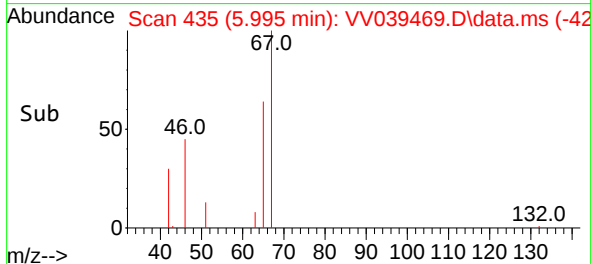
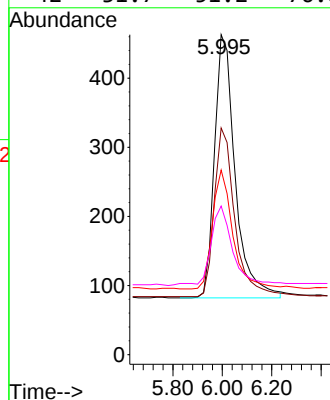
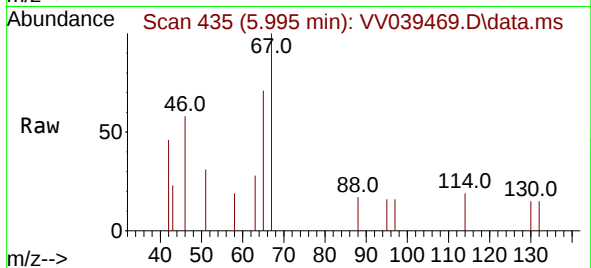




#7
1,2-Dichloropropane-d6
Concen: 0.422 ug/L
RT: 5.995 min Scan# 41
Delta R.T. -0.024 min
Lab File: VV039469.D
Acq: 04 Dec 2025 15:24

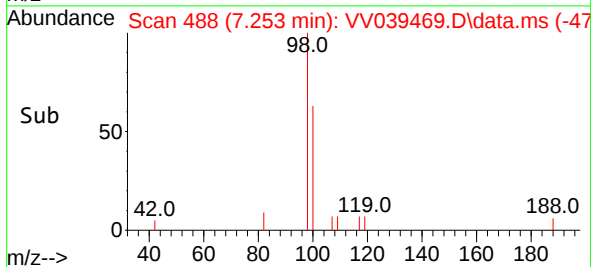
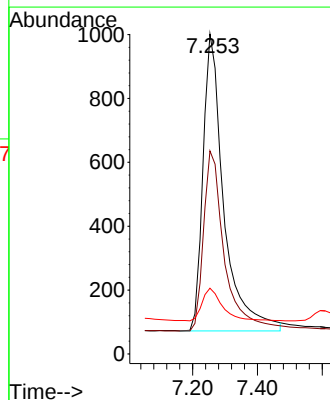
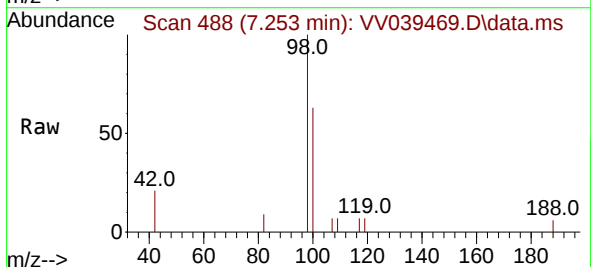
Instrument :
MSVOA_V
ClientSampleId :

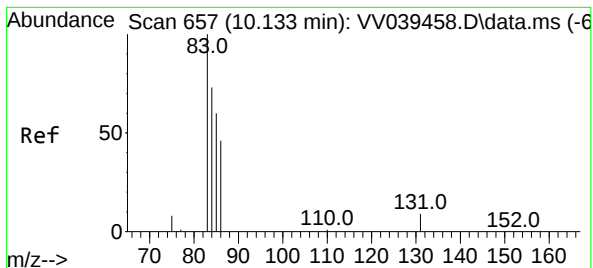
Tgt Ion:	67	Resp:	2215
Ion	Ratio	Lower	Upper
67	100		
65	63.2	37.9	56.9#
46	44.5	27.4	41.0#
42	31.7	51.2	76.8#



#8
Toluene-d8
Concen: 0.470 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039469.D
Acq: 04 Dec 2025 15:24

Tgt Ion:	98	Resp:	4155
Ion	Ratio	Lower	Upper
98	100		
100	61.0	44.5	82.7
42	10.2	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.544 ug/L

RT: 10.133 min Scan# 610

Delta R.T. -0.000 min

Lab File: VV039469.D

Acq: 04 Dec 2025 15:24

Instrument :

MSVOA_V

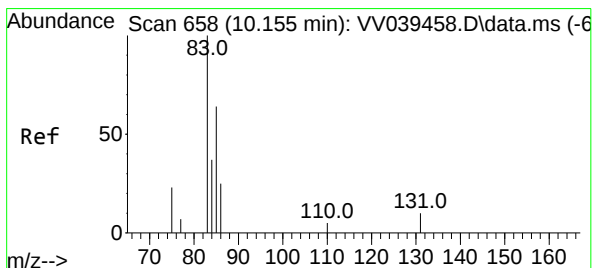
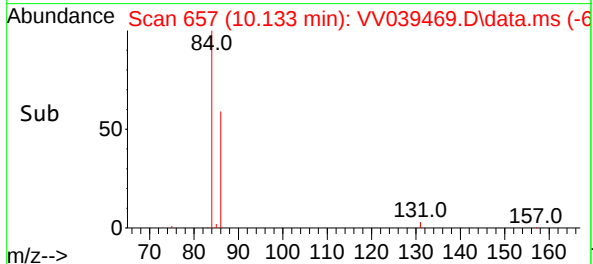
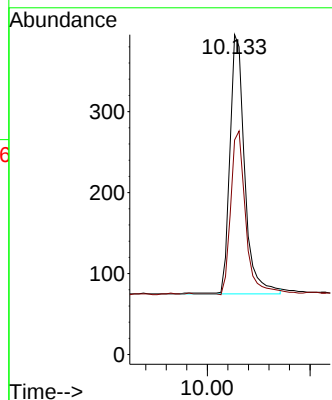
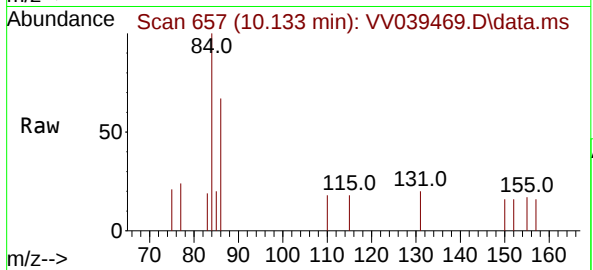
ClientSampleId :

Tgt Ion: 84 Resp: 1606

Ion Ratio Lower Upper

84 100

86 62.4 44.4 82.5



#11

1,1,2,2-Tetrachloroethane

Concen: 0.146 ug/L

RT: 9.556 min Scan# 631

Delta R.T. -0.599 min

Lab File: VV039469.D

Acq: 04 Dec 2025 15:24

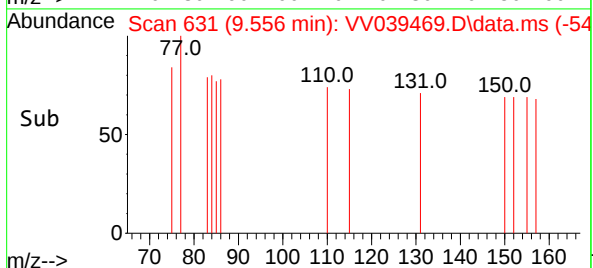
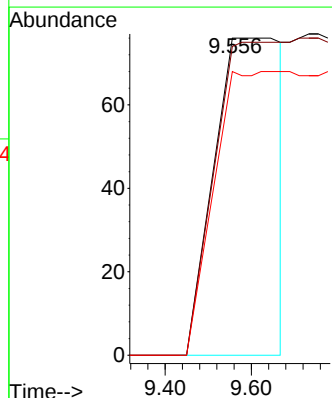
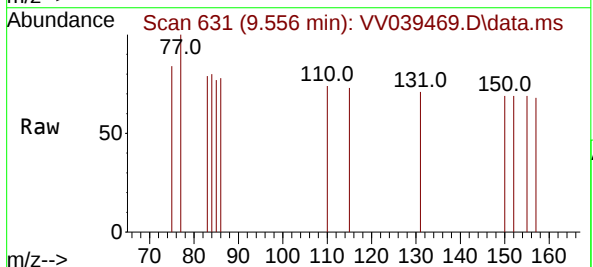
Tgt Ion: 83 Resp: 907

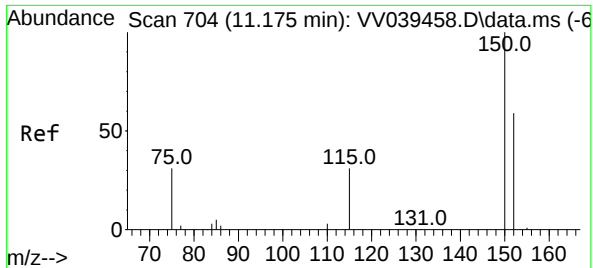
Ion Ratio Lower Upper

83 100

85 37.0 51.0 76.6#

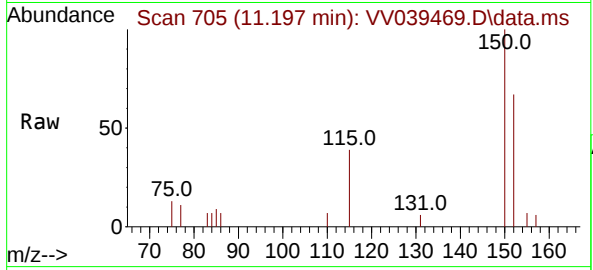
131 120.3 8.6 12.8#





#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039469.D
Acq: 04 Dec 2025 15:24

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	152	Resp:	3212
Ion	Ratio	Lower	Upper
152	100		
115	55.9	0.0	101.6
150	158.8	0.0	396.2

