

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120425\
 Data File : VV039470.D
 Acq On : 04 Dec 2025 15:45
 Operator : SY/MD
 Sample : Q3756-12
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 05 00:10:37 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)

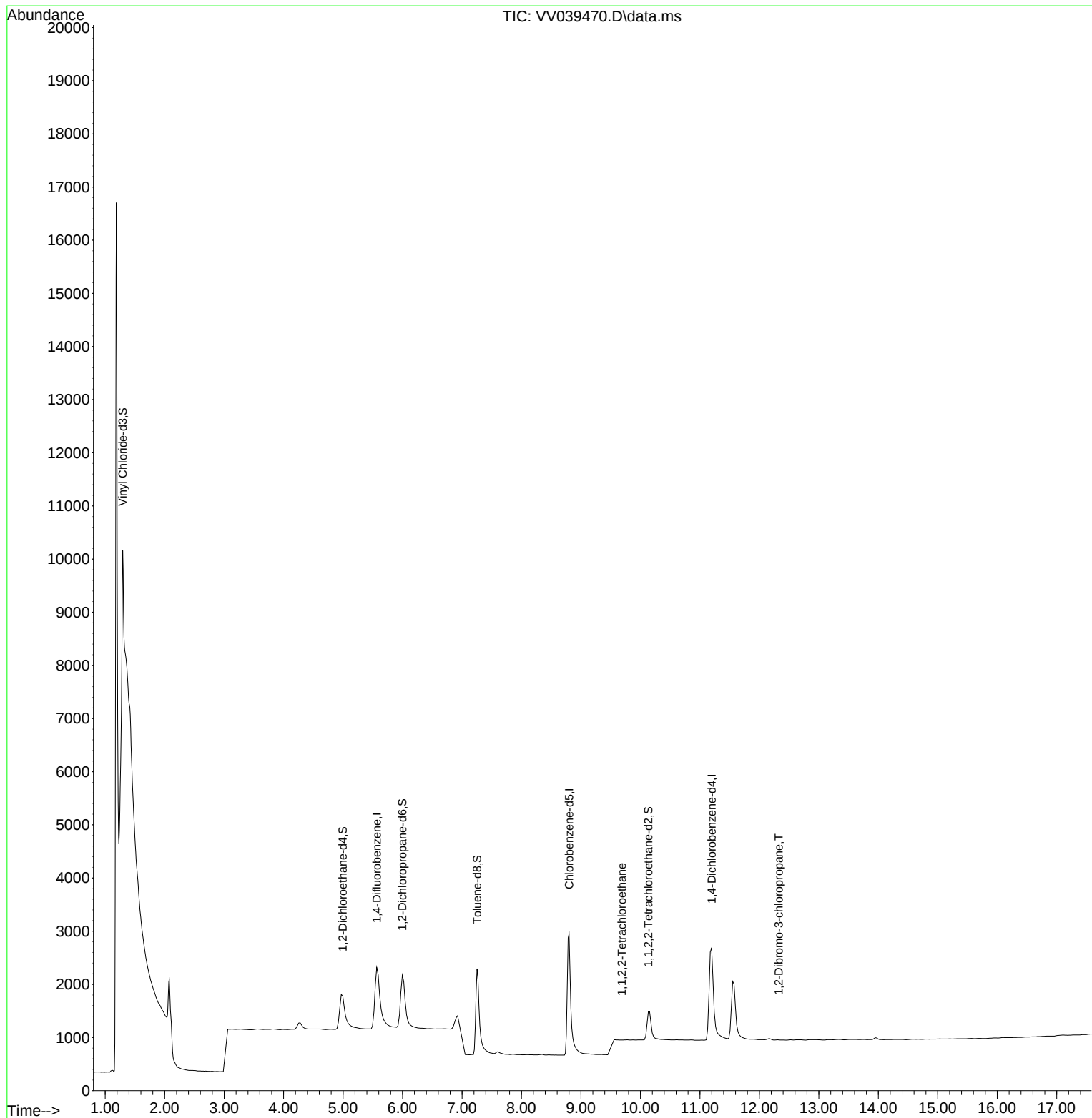
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	5258	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5346	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.198	152	2739	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3753	0.710	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	142.000%#
4) 1,2-Dichloroethane-d4	4.994	65	1878	0.536	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	108.000%
7) 1,2-Dichloropropane-d6	5.996	67	2190	0.486	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	98.000%
8) Toluene-d8	7.254	98	4157	0.546	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	110.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1600	0.629	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	126.000%#
Target Compounds						
						Qvalue
11) 1,1,2,2-Tetrachloroethane	9.689	83	1443	0.269	ug/L	# 93
14) 1,2-Dibromo-3-chloropr...	12.329	75	12	0.021	ug/L	96

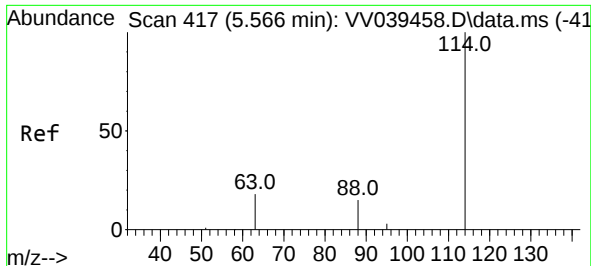
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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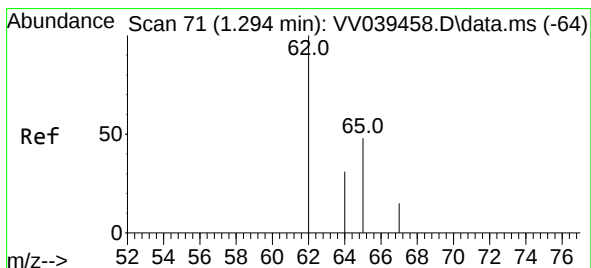
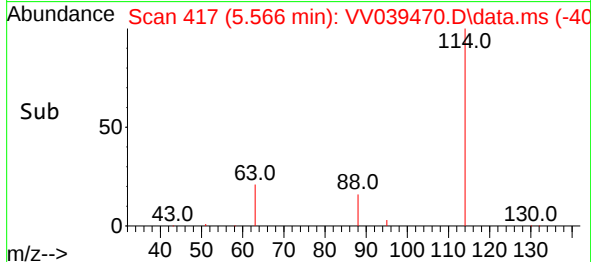
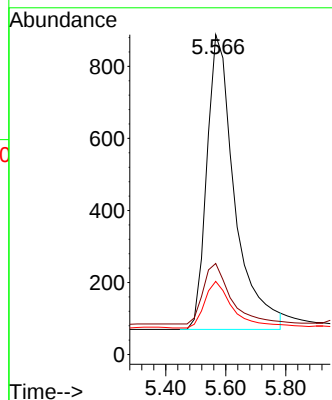
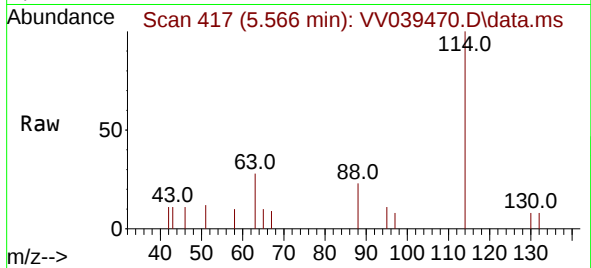




#1
 1,4-Difluorobenzene
 Concen: 0.500 ug/L
 RT: 5.566 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VV039470.D
 Acq: 04 Dec 2025 15:45

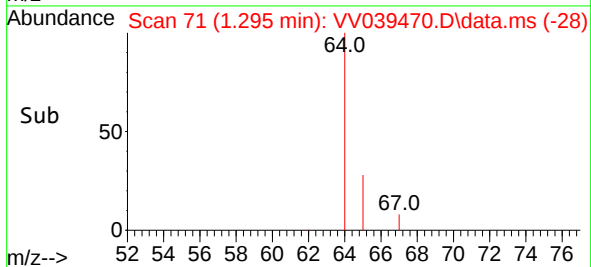
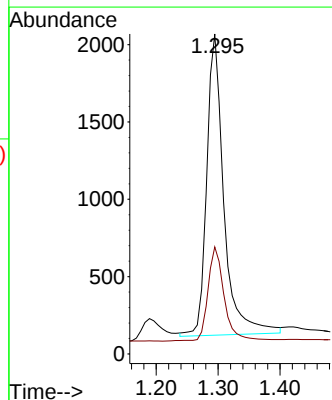
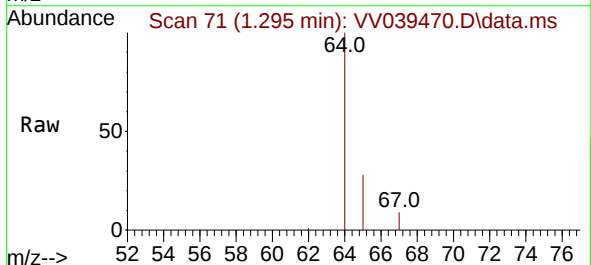
Instrument :
 MSVOA_V
 ClientSampleId :

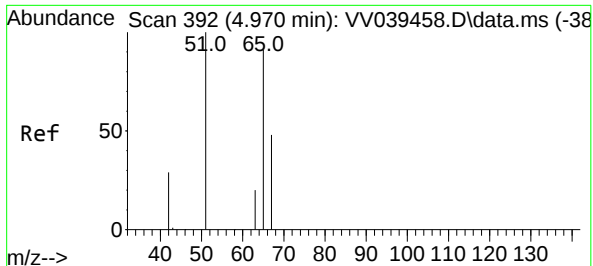
Tgt Ion:	114	Resp:	5258
Ion	Ratio	Lower	Upper
114	100		
63	20.3	15.0	22.4
88	16.0	12.0	18.0



#2
 Vinyl Chloride-d3
 Concen: 0.710 ug/L
 RT: 1.295 min Scan# 71
 Delta R.T. 0.001 min
 Lab File: VV039470.D
 Acq: 04 Dec 2025 15:45

Tgt Ion:	65	Resp:	3753
Ion	Ratio	Lower	Upper
65	100		
67	30.0	22.3	41.5

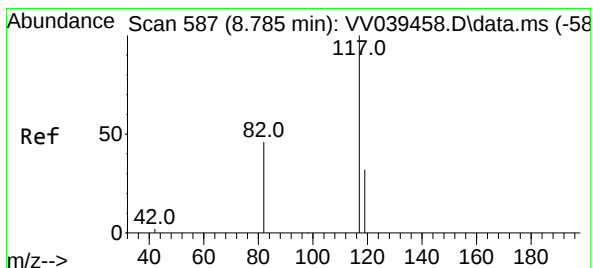
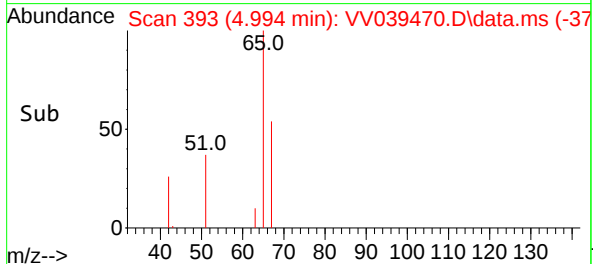
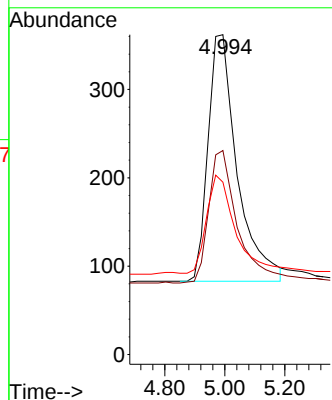
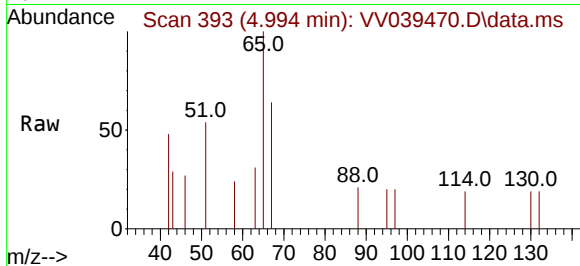




#4
1,2-Dichloroethane-d4
Concen: 0.536 ug/L
RT: 4.994 min Scan# 392
Delta R.T. 0.025 min
Lab File: VV039470.D
Acq: 04 Dec 2025 15:45

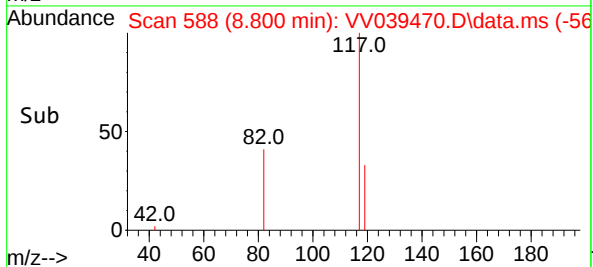
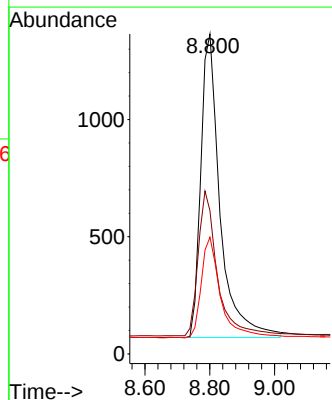
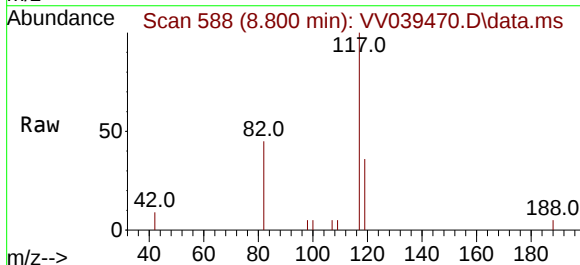
Instrument :
MSVOA_V
ClientSampleId :

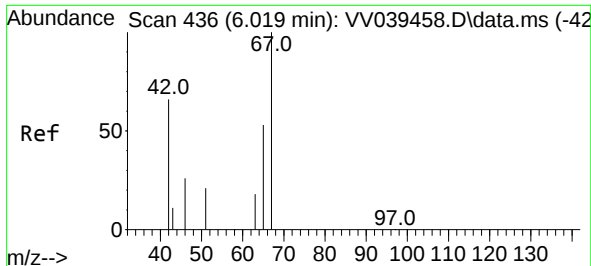
Tgt Ion: 65 Resp: 1878
Ion Ratio Lower Upper
65 100
67 53.2 32.5 60.3
51 39.2 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.016 min
Lab File: VV039470.D
Acq: 04 Dec 2025 15:45

Tgt Ion:117 Resp: 5346
Ion Ratio Lower Upper
117 100
82 47.4 39.4 59.2
119 33.3 26.2 39.2

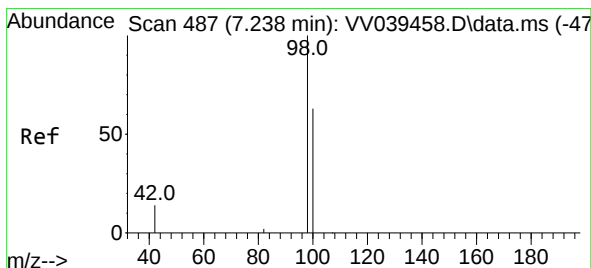
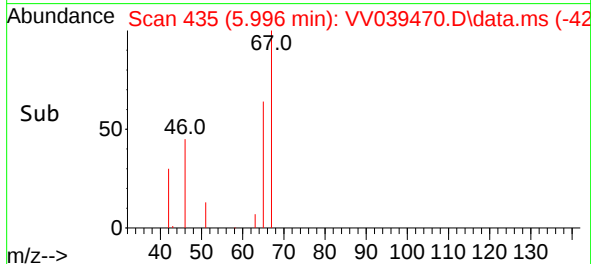
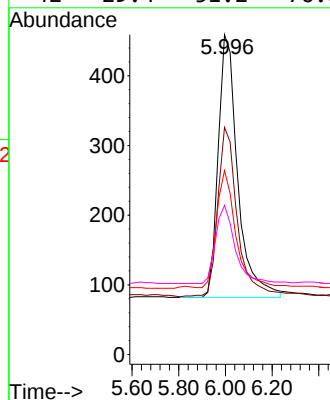
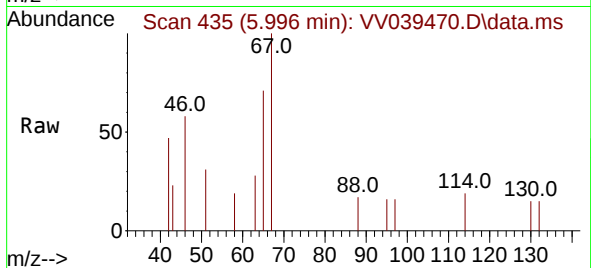




#7
1,2-Dichloropropane-d6
Concen: 0.486 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039470.D
Acq: 04 Dec 2025 15:45

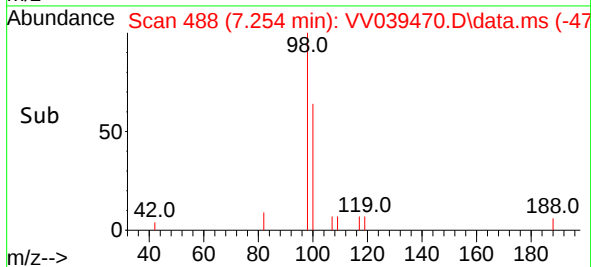
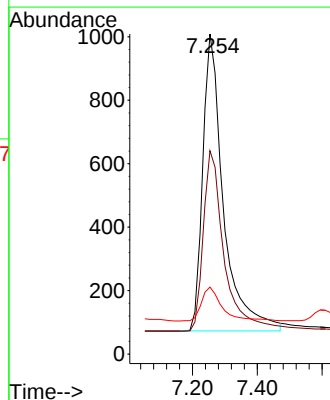
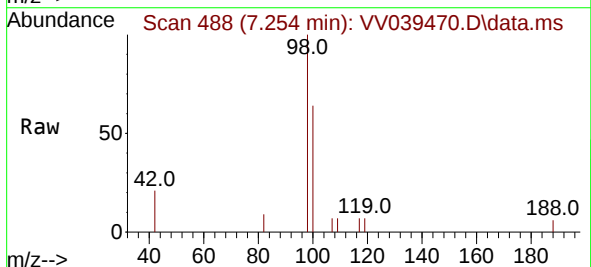
Instrument :
MSVOA_V
ClientSampleId :

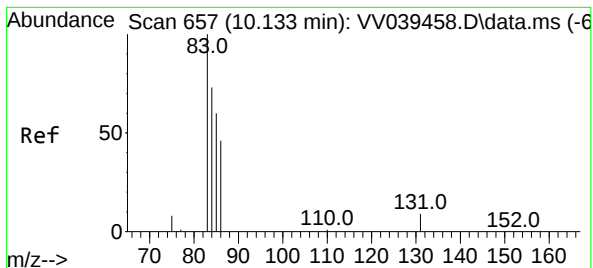
Tgt Ion:	67	Resp:	2190
Ion	Ratio	Lower	Upper
67	100		
65	64.7	37.9	56.9#
46	43.9	27.4	41.0#
42	29.4	51.2	76.8#



#8
Toluene-d8
Concen: 0.546 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039470.D
Acq: 04 Dec 2025 15:45

Tgt Ion:	98	Resp:	4157
Ion	Ratio	Lower	Upper
98	100		
100	61.2	44.5	82.7
42	11.4	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.629 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039470.D

Acq: 04 Dec 2025 15:45

Instrument :

MSVOA_V

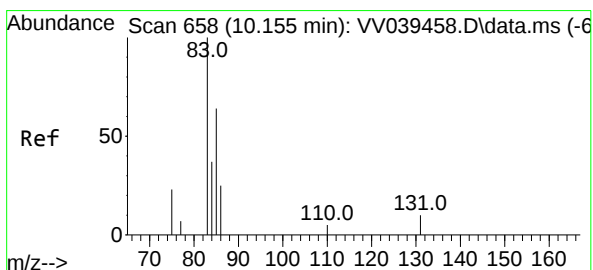
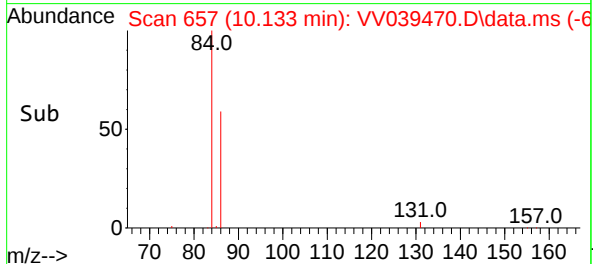
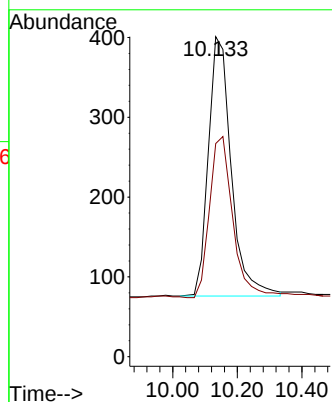
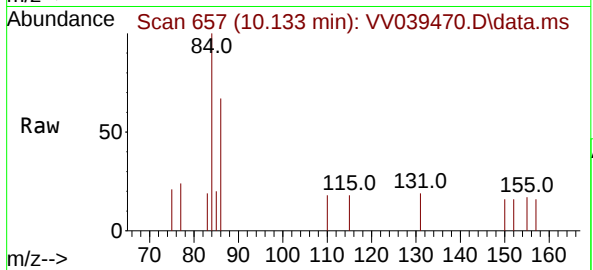
ClientSampleId :

Tgt Ion: 84 Resp: 1600

Ion Ratio Lower Upper

84 100

86 63.4 44.4 82.5



#11

1,1,2,2-Tetrachloroethane

Concen: 0.269 ug/L

RT: 9.689 min Scan# 637

Delta R.T. -0.465 min

Lab File: VV039470.D

Acq: 04 Dec 2025 15:45

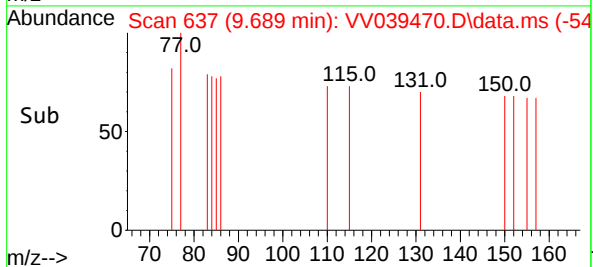
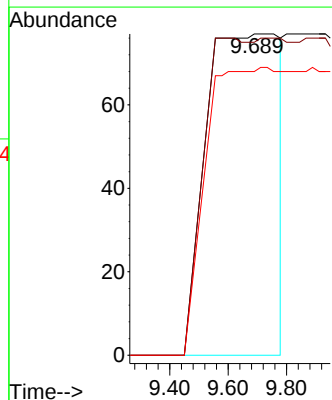
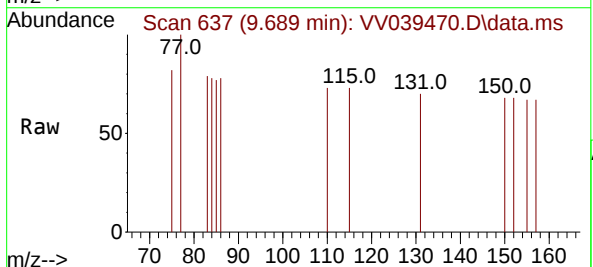
Tgt Ion: 83 Resp: 1443

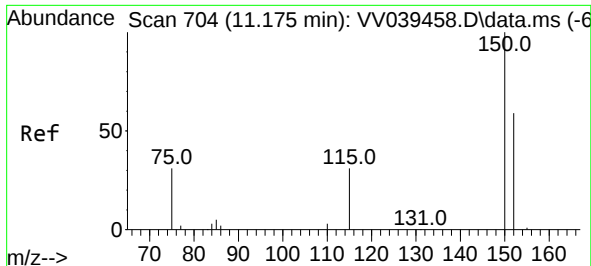
Ion Ratio Lower Upper

83 100

85 62.7 51.0 76.6

131 27.2 8.6 12.8





#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.198 min Scan# 704

Delta R.T. 0.022 min

Lab File: VV039470.D

Acq: 04 Dec 2025 15:45

Instrument :

MSVOA_V

ClientSampleId :

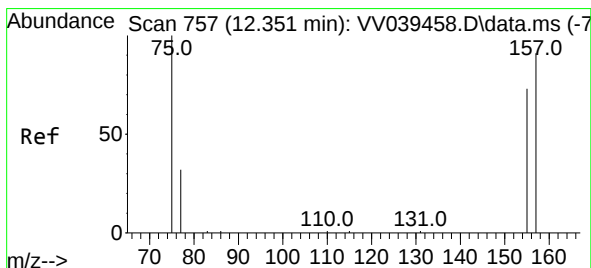
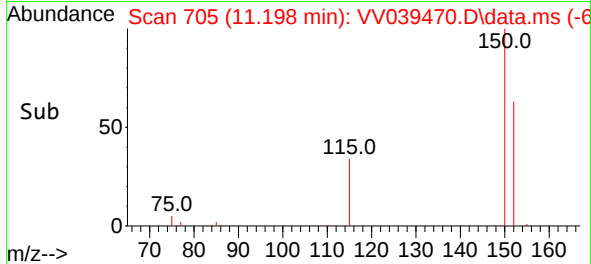
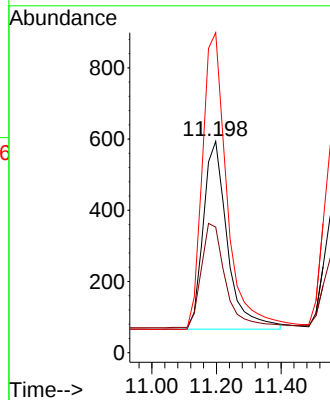
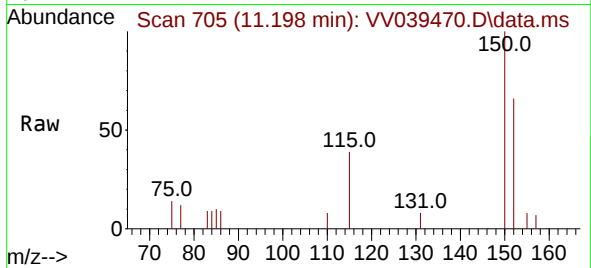
Tgt Ion:152 Resp: 2739

Ion Ratio Lower Upper

152 100

115 55.9 0.0 101.6

150 160.7 0.0 396.2



#14

1,2-Dibromo-3-chloropropane

Concen: 0.021 ug/L

RT: 12.329 min Scan# 756

Delta R.T. -0.022 min

Lab File: VV039470.D

Acq: 04 Dec 2025 15:45

Tgt Ion: 75 Resp: 12

Ion Ratio Lower Upper

75 100

157 80.5 67.8 101.6

155 80.5 61.9 92.9

