

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
 Data File : VV039524.D
 Acq On : 10 Dec 2025 12:35
 Operator : SY/MD
 Sample : Q3788-14
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 11 00:06:20 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)

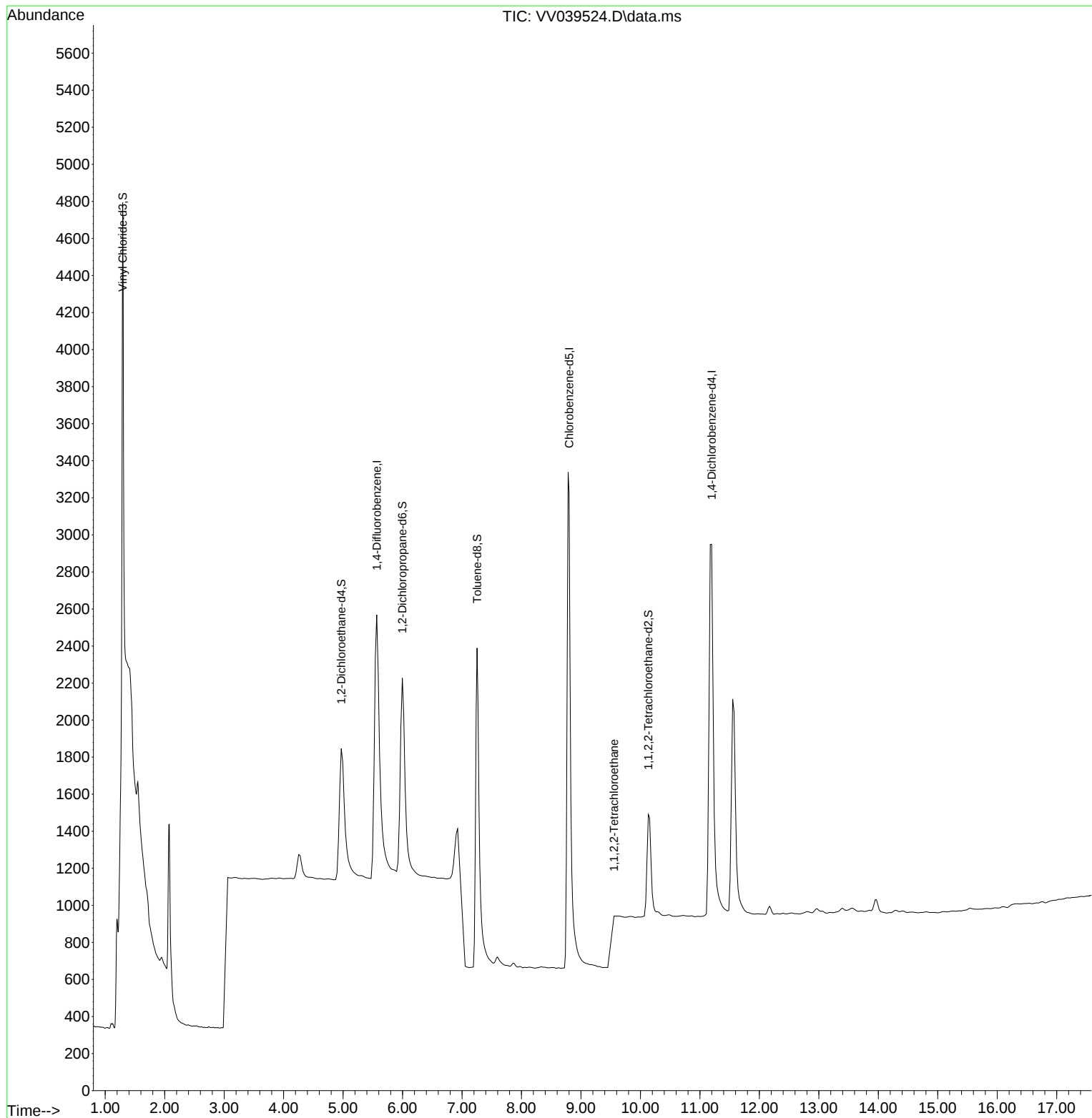
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6454	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6148	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3194	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3907	0.617	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	124.000%
4) 1,2-Dichloroethane-d4	4.970	65	1996	0.464	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	92.000%
7) 1,2-Dichloropropane-d6	5.996	67	2283	0.440	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	88.000%
8) Toluene-d8	7.254	98	4344	0.496	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	100.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1626	0.556	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	112.000%
Target Compounds						
11) 1,1,2,2-Tetrachloroethane	9.556	83	795	0.129	ug/L	Qvalue # 40

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

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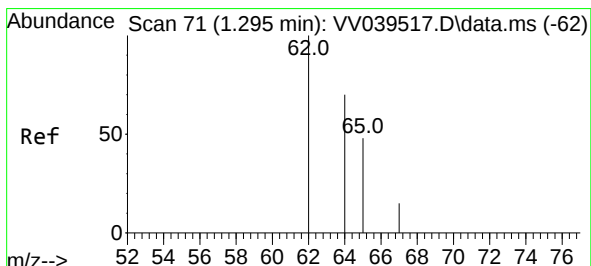
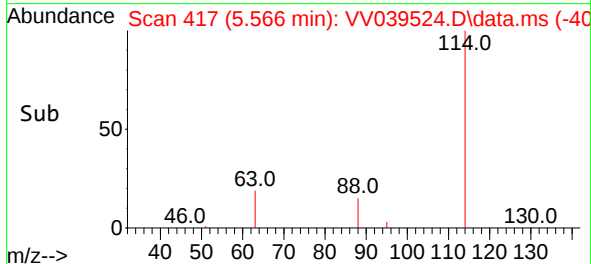
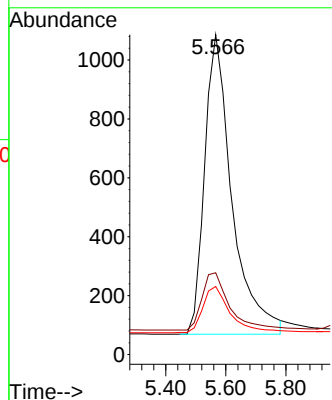
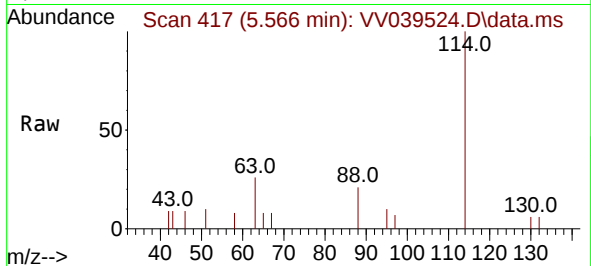




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039524.D
Acq: 10 Dec 2025 12:35

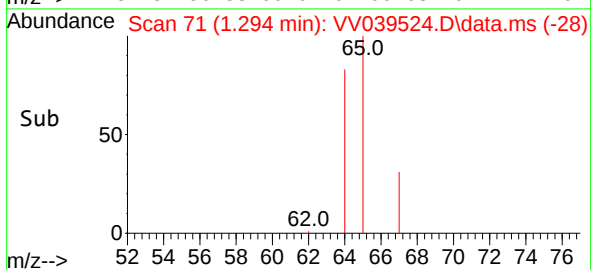
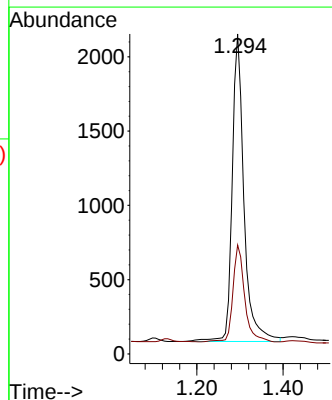
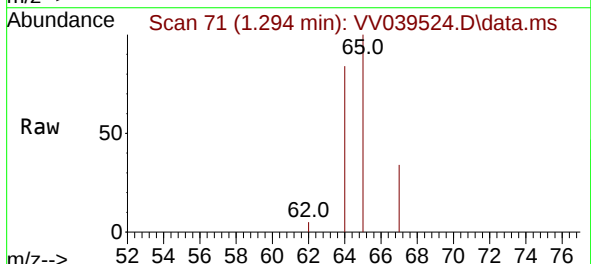
Instrument :
MSVOA_V
ClientSampleId :

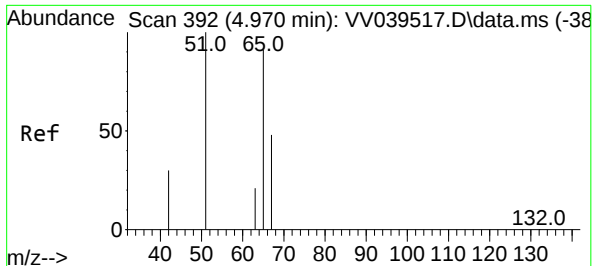
Tgt Ion:	114	Resp:	6454
Ion	Ratio	Lower	Upper
114	100		
63	19.3	15.0	22.4
88	15.4	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.617 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039524.D
Acq: 10 Dec 2025 12:35

Tgt Ion:	65	Resp:	3907
Ion	Ratio	Lower	Upper
65	100		
67	31.4	22.3	41.5

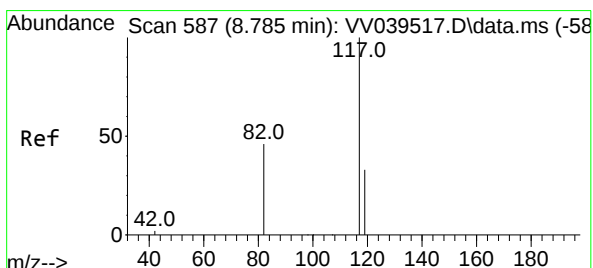
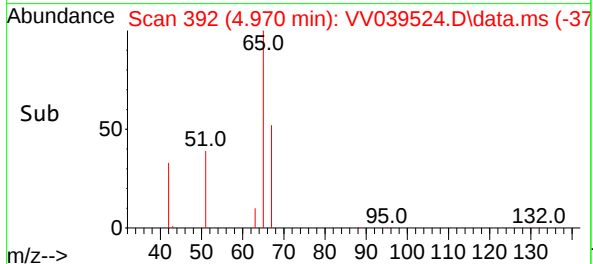
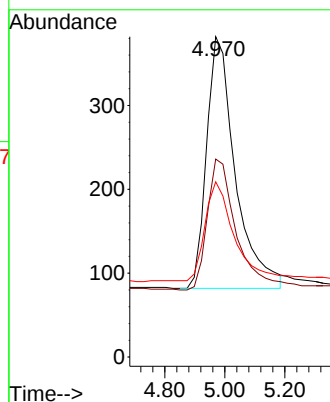
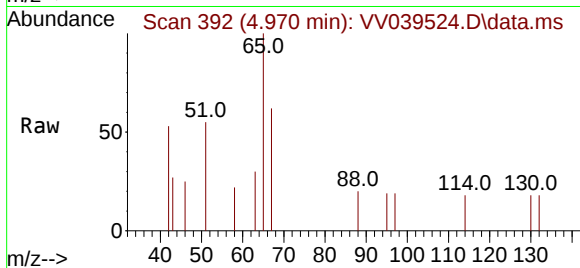




#4
1,2-Dichloroethane-d4
Concen: 0.464 ug/L
RT: 4.970 min Scan# 392
Delta R.T. 0.001 min
Lab File: VV039524.D
Acq: 10 Dec 2025 12:35

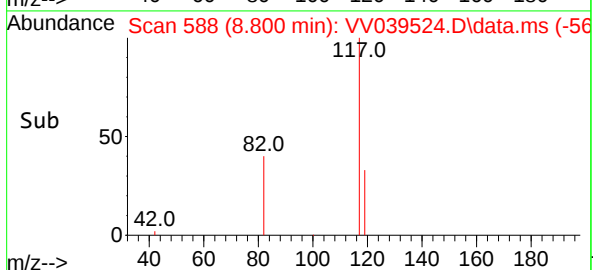
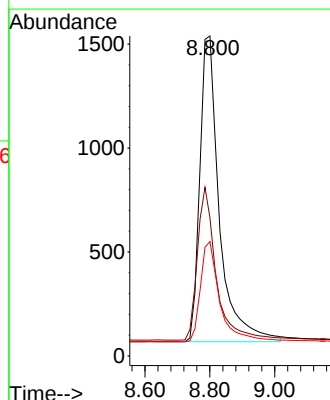
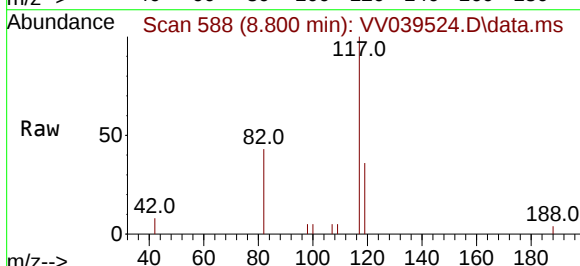
Instrument :
MSVOA_V
ClientSampleId :

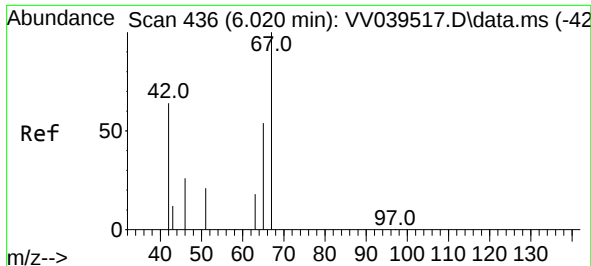
Tgt Ion: 65 Resp: 1996
Ion Ratio Lower Upper
65 100
67 52.5 32.5 60.3
51 41.0 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039524.D
Acq: 10 Dec 2025 12:35

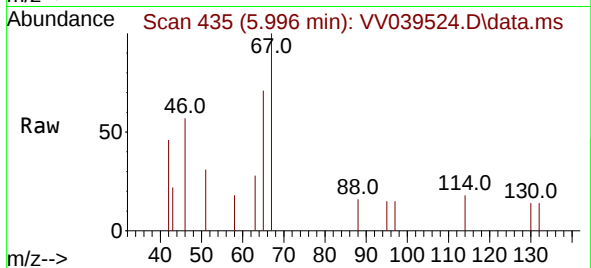
Tgt Ion: 117 Resp: 6148
Ion Ratio Lower Upper
117 100
82 48.3 39.4 59.2
119 32.3 26.2 39.2



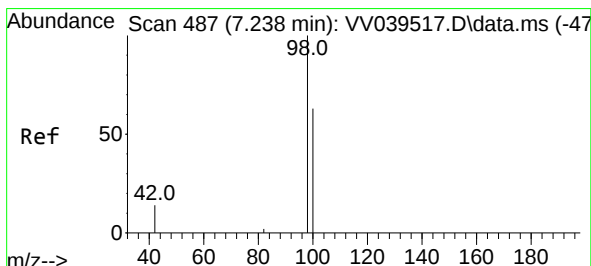
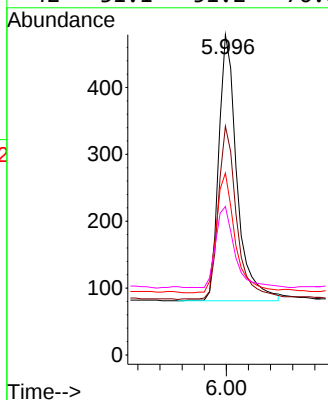
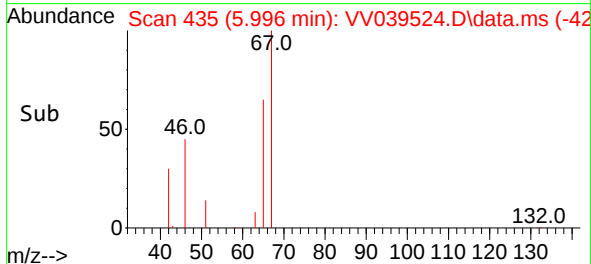


#7
1,2-Dichloropropane-d6
Concen: 0.440 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039524.D
Acq: 10 Dec 2025 12:35

Instrument :
MSVOA_V
ClientSampleId :

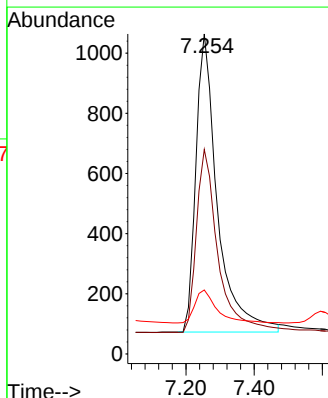
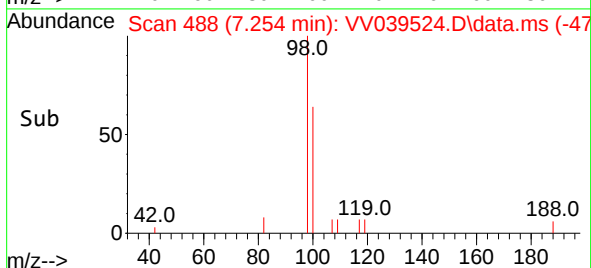
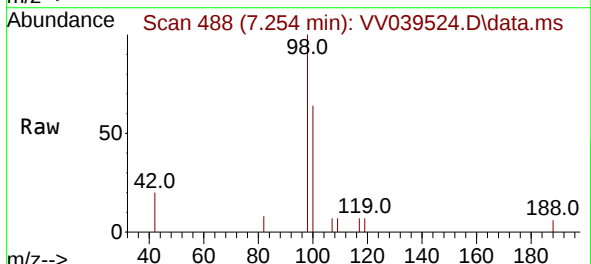


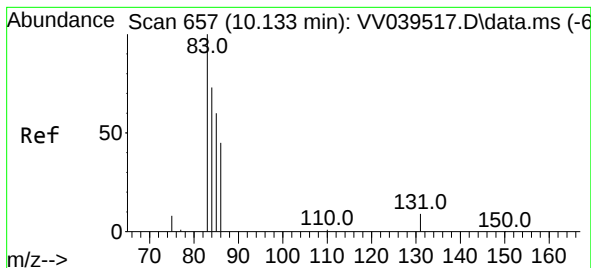
Tgt Ion:	67	Resp:	2283
Ion	Ratio	Lower	Upper
67	100		
65	65.9	37.9	56.9#
46	46.3	27.4	41.0#
42	31.1	51.2	76.8#



#8
Toluene-d8
Concen: 0.496 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039524.D
Acq: 10 Dec 2025 12:35

Tgt Ion:	98	Resp:	4344
Ion	Ratio	Lower	Upper
98	100		
100	61.5	44.5	82.7
42	11.3	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.556 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039524.D

Acq: 10 Dec 2025 12:35

Instrument :

MSVOA_V

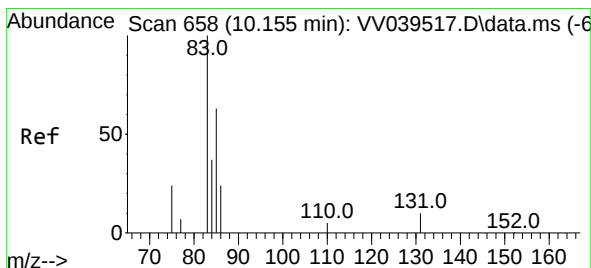
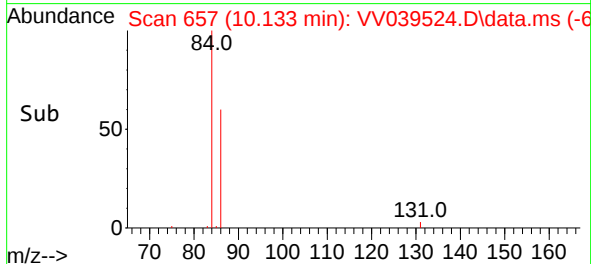
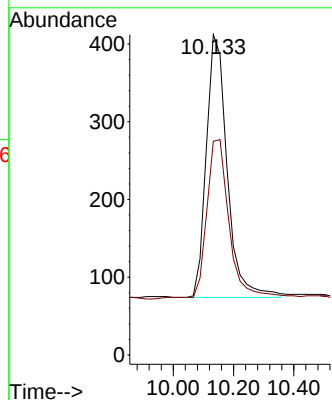
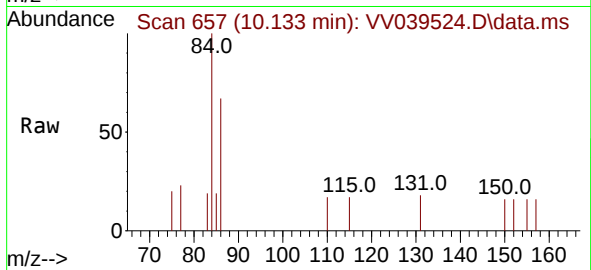
ClientSampleId :

Tgt Ion: 84 Resp: 1626

Ion Ratio Lower Upper

84 100

86 62.9 44.4 82.5



#11

1,1,2,2-Tetrachloroethane

Concen: 0.129 ug/L

RT: 9.556 min Scan# 631

Delta R.T. -0.599 min

Lab File: VV039524.D

Acq: 10 Dec 2025 12:35

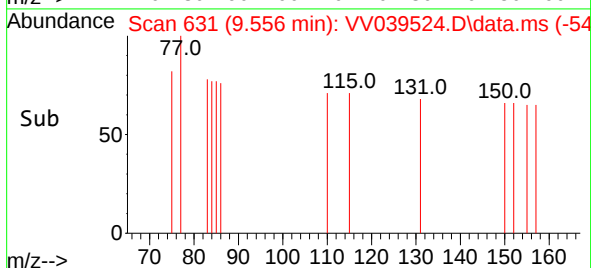
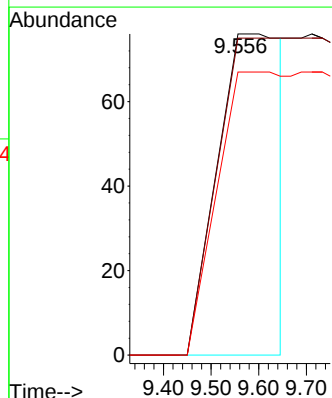
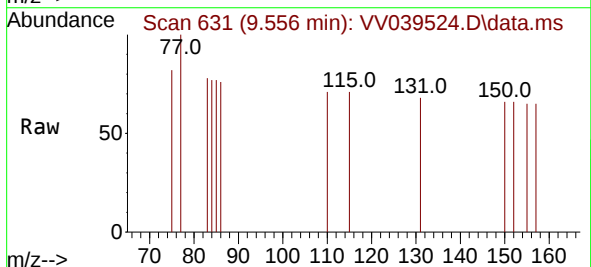
Tgt Ion: 83 Resp: 795

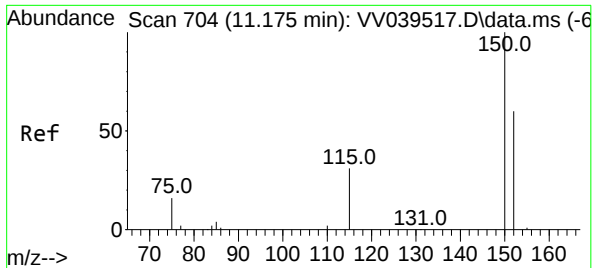
Ion Ratio Lower Upper

83 100

85 36.4 51.0 76.6#

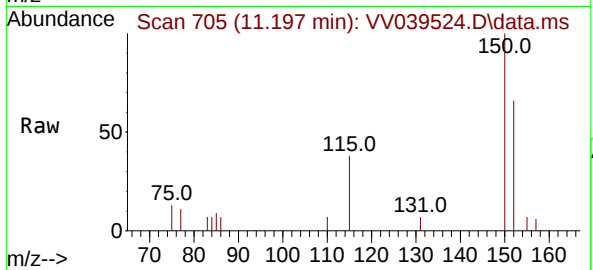
131 88.4 8.6 12.8#





#12
 1,4-Dichlorobenzene-d4
 Concen: 0.500 ug/L
 RT: 11.197 min Scan# 70
 Delta R.T. 0.022 min
 Lab File: VV039524.D
 Acq: 10 Dec 2025 12:35

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	152	Resp:	3194
Ion	Ratio	Lower	Upper
152	100		
115	54.6	0.0	101.6
150	158.3	0.0	396.2

