

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW091525\
 Data File : VW039082.D
 Acq On : 15 Sep 2025 16:24
 Operator : SY/MD
 Sample : Q3084-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 02:25:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 16 02:04:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	417903	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	436071	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	185759	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	152491	4.627	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	92.600%	
7) Chloroethane-d5	1.545	69	134947	4.725	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	94.400%	
11) 1,1-Dichloroethene-d2	2.072	65	66972	4.265	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	85.400%	
20) 2-Butanone-d5	3.793	46	225322	46.027	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	92.060%	
24) Chloroform-d	4.252	84	306789	4.793	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.800%	
26) 1,2-Dichloroethane-d4	4.947	65	130000	4.823	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.400%	
32) Benzene-d6	4.963	84	547151	4.585	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.800%	
36) 1,2-Dichloropropane-d6	5.986	67	175211	4.913	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	98.200%	
41) Toluene-d8	7.239	98	428905	4.015	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	80.400%	
43) trans-1,3-Dichloroprop...	7.555	79	54023	4.141	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	82.800%	
46) 2-Hexanone-d5	8.014	63	179534	42.510	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	85.020%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	118442	4.651	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	93.000%	
66) 1,2-Dichlorobenzene-d4	11.548	152	151274	5.059	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	101.200%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.294	62	13357	0.292	ug/L #	1
8) Chloroethane	1.638	64	4068	0.143	ug/L #	53
16) Methylene chloride	2.458	84	6812	0.176	ug/L	98
18) trans-1,2-Dichloroethene	2.716	96	6120	0.175	ug/L	88
22) cis-1,2-Dichloroethene	3.825	96	51748	1.518	ug/L	95
34) Trichloroethene	5.850	95	3340	0.090	ug/L	85
35) Methylcyclohexane	5.986	83	40947	0.707	ug/L #	19
37) 1,2-Dichloropropane	5.986	63	18560	0.521	ug/L #	88
42) Toluene	7.329	91	13404	0.094	ug/L	97
51) Chlorobenzene	8.805	112	231413	2.506	ug/L	99
61) 1,2,3-Trichloropropane	11.104	75	74632	4.770	ug/L #	49
64) 1,3-Dichlorobenzene	11.104	146	252218	4.160	ug/L	98
65) 1,4-Dichlorobenzene	11.198	146	469817	7.491	ug/L	99
67) 1,2-Dichlorobenzene	11.570	146	25833	0.481	ug/L #	94
69) 1,3,5-Trichlorobenzene	12.580	180	7765	0.195	ug/L	96
70) 1,2,4-trichlorobenzene	13.185	180	154048	5.150	ug/L	95

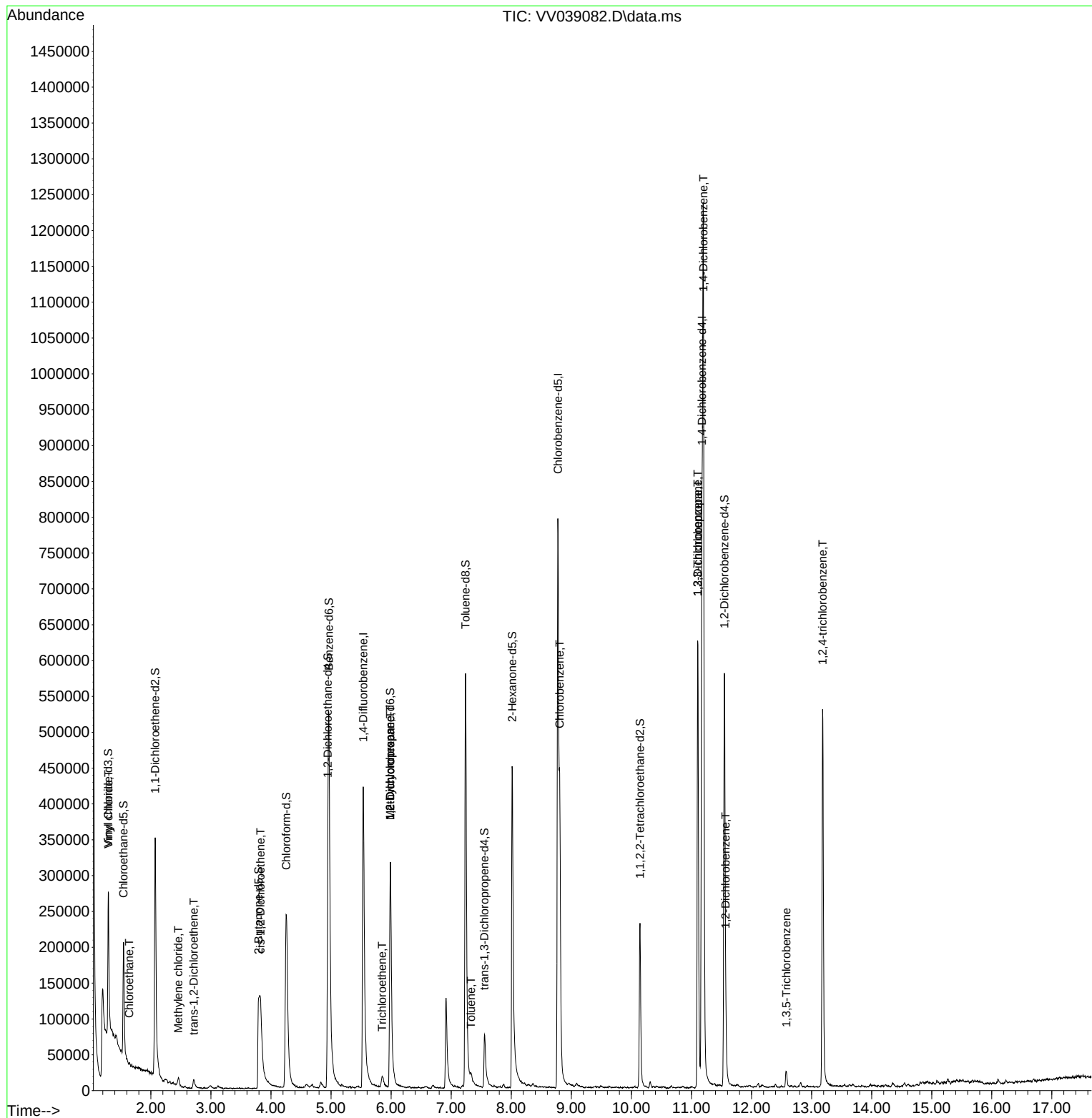
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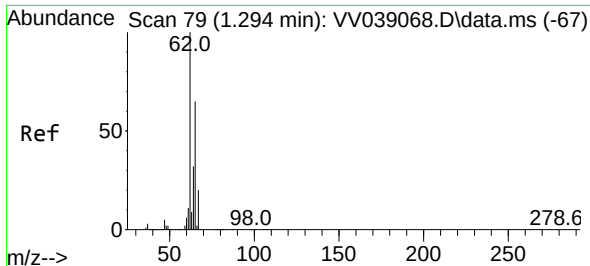
Instrument :
MSVOA_V
ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
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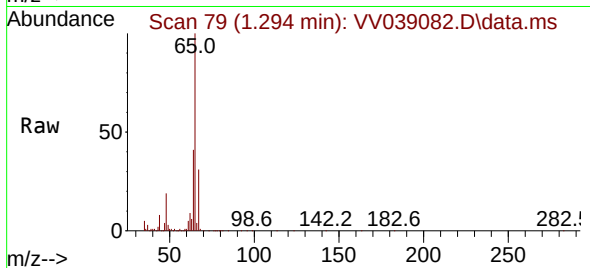


#5
 Vinyl chloride
 Concen: 0.292 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: VV039082.D
 Acq: 15 Sep 2025 16:24

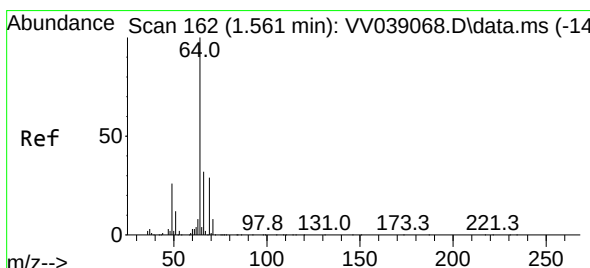
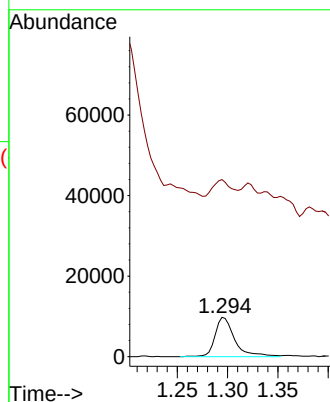
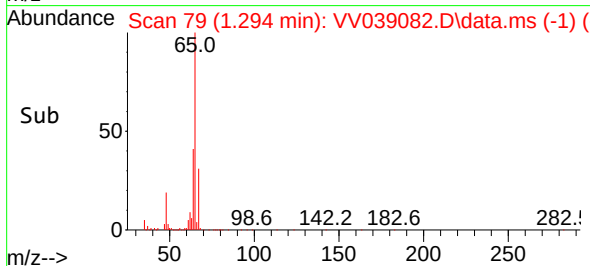
Instrument :

MSVOA_V

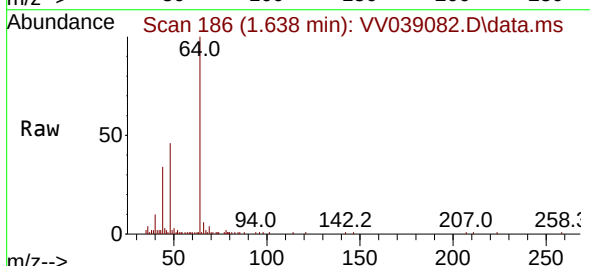
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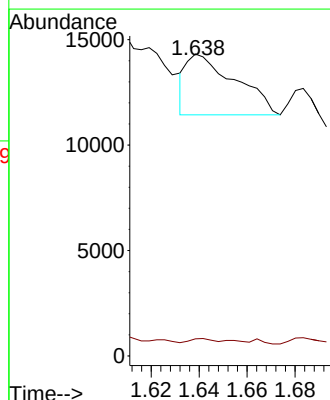
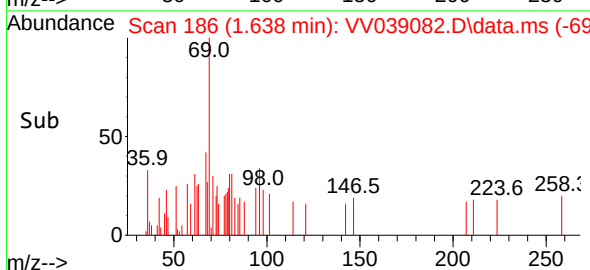
Tgt Ion: 62 Resp: 13357
 Ion Ratio Lower Upper
 62 100
 64 450.0 22.4 41.6#

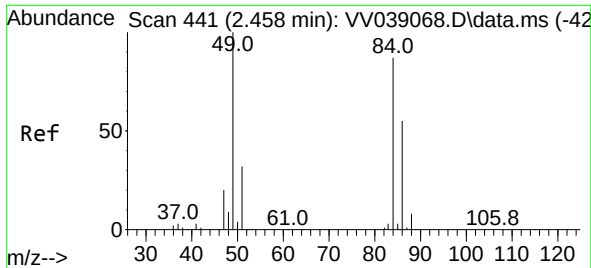


#8
 Chloroethane
 Concen: 0.143 ug/L
 RT: 1.638 min Scan# 186
 Delta R.T. 0.077 min
 Lab File: VV039082.D
 Acq: 15 Sep 2025 16:24



Tgt Ion: 64 Resp: 4068
 Ion Ratio Lower Upper
 64 100
 66 5.7 22.3 41.5#

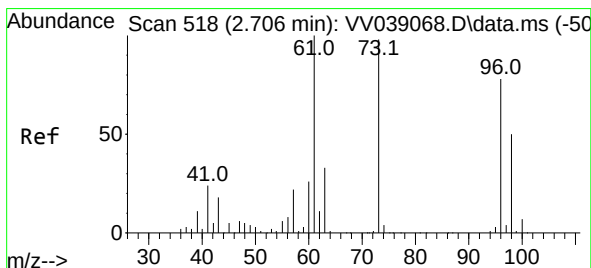
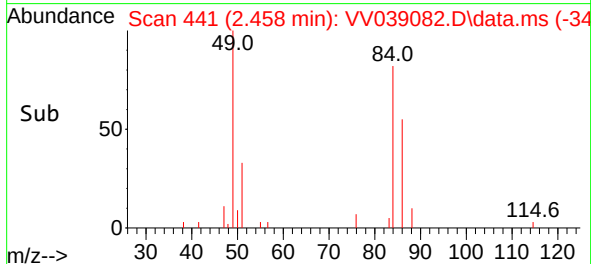
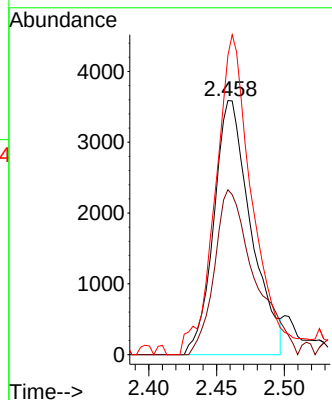
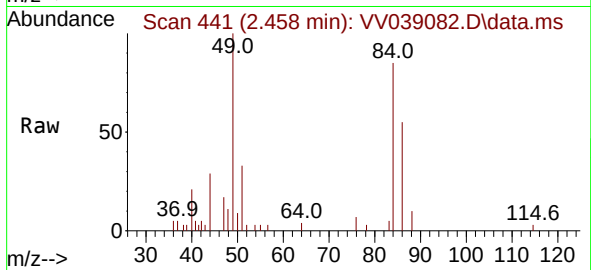




#16
Methylene chloride
Concen: 0.176 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.000 min
Lab File: VV039082.D
Acq: 15 Sep 2025 16:24

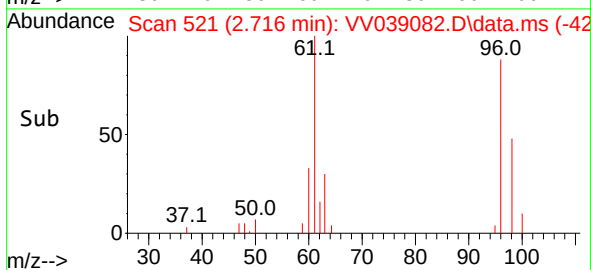
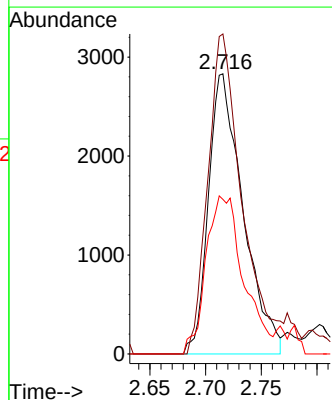
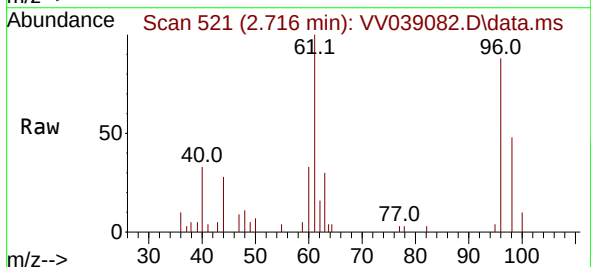
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ClientSampleId :

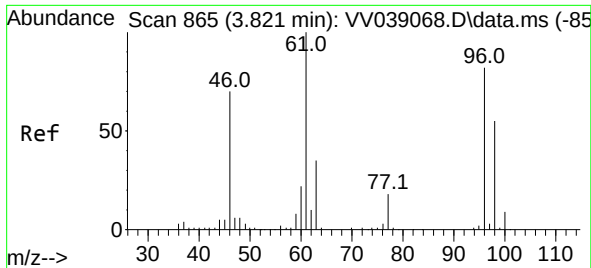
Tgt Ion: 84 Resp: 6812
Ion Ratio Lower Upper
84 100
86 64.9 44.2 82.2
49 117.7 80.6 149.6



#18
trans-1,2-Dichloroethene
Concen: 0.175 ug/L
RT: 2.716 min Scan# 521
Delta R.T. 0.010 min
Lab File: VV039082.D
Acq: 15 Sep 2025 16:24

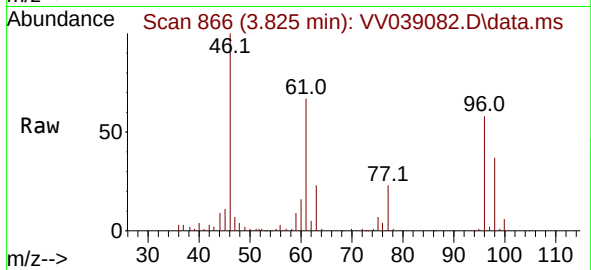
Tgt Ion: 96 Resp: 6120
Ion Ratio Lower Upper
96 100
61 114.2 89.7 166.5
98 55.2 44.9 83.3



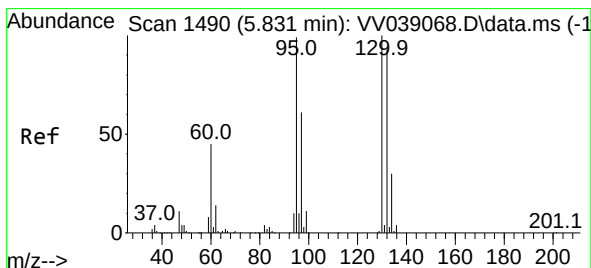
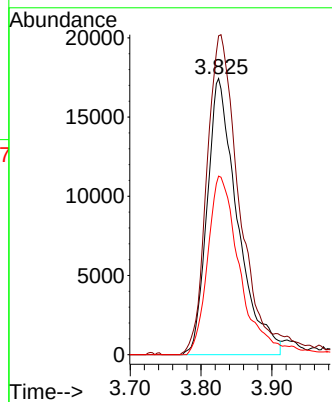
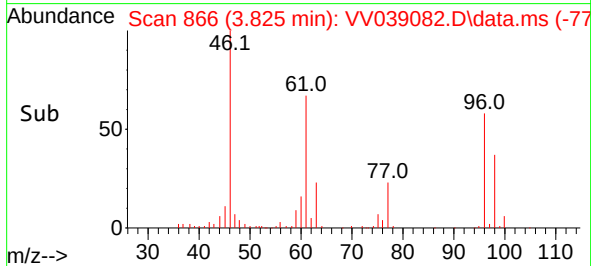


#22
 cis-1,2-Dichloroethene
 Concen: 1.518 ug/L
 RT: 3.825 min Scan# 865
 Delta R.T. 0.003 min
 Lab File: VV039082.D
 Acq: 15 Sep 2025 16:24

Instrument :
 MSVOA_V
 ClientSampleId :

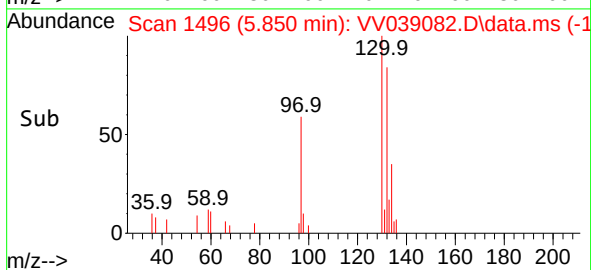
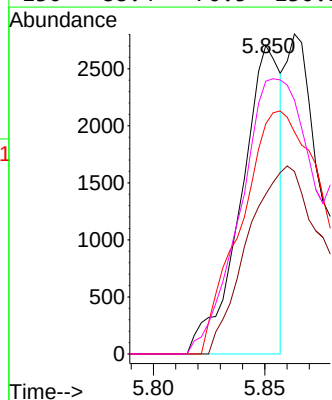
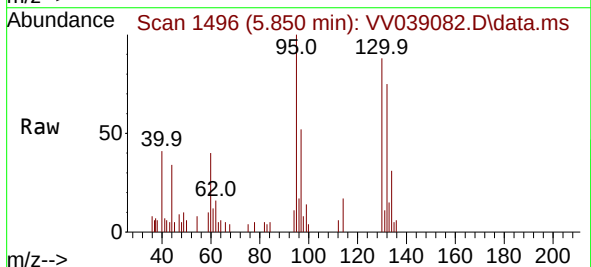


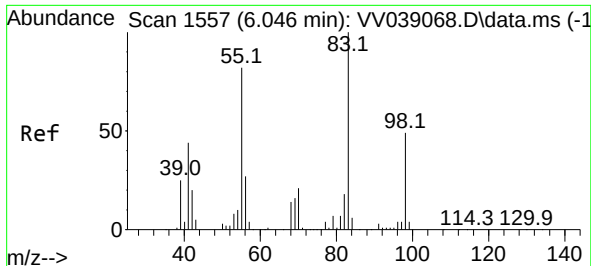
Tgt Ion:	96	Resp:	51748
Ion	Ratio	Lower	Upper
96	100		
61	115.5	85.4	158.6
98	64.7	46.6	86.6



#34
 Trichloroethene
 Concen: 0.090 ug/L
 RT: 5.850 min Scan# 1496
 Delta R.T. 0.019 min
 Lab File: VV039082.D
 Acq: 15 Sep 2025 16:24

Tgt Ion:	95	Resp:	3340
Ion	Ratio	Lower	Upper
95	100		
97	51.8	43.3	80.5
132	74.6	65.5	121.7
130	88.4	70.5	130.9

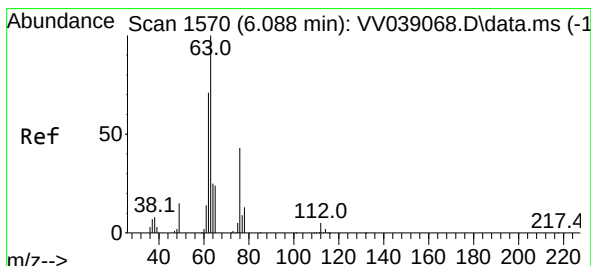
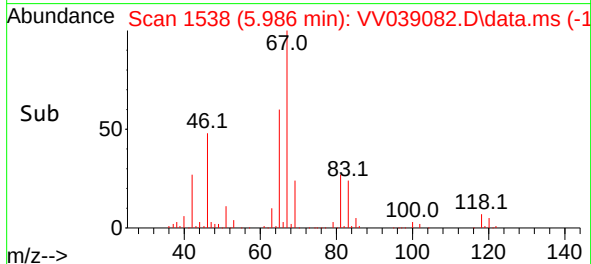
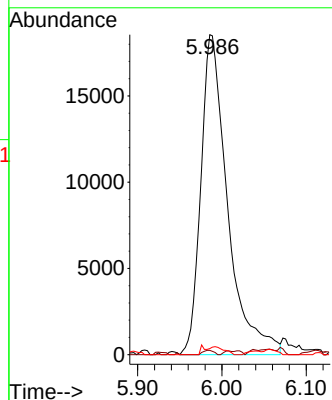
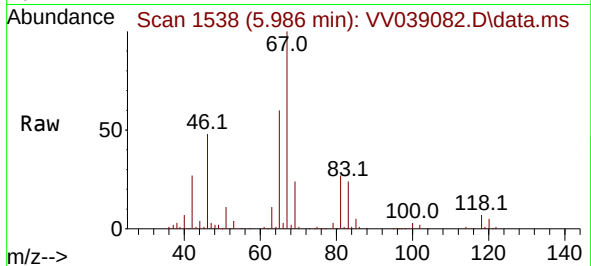




#35
Methylcyclohexane
Concen: 0.707 ug/L
RT: 5.986 min Scan# 1538
Delta R.T. -0.061 min
Lab File: VV039082.D
Acq: 15 Sep 2025 16:24

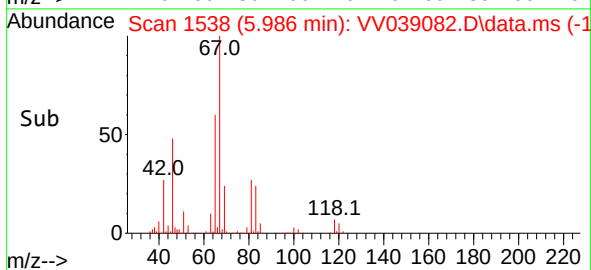
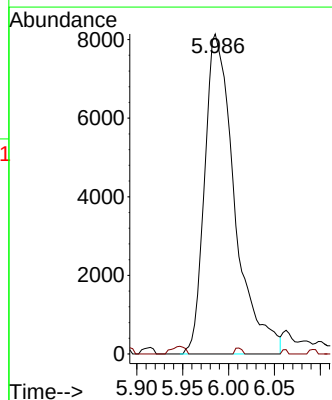
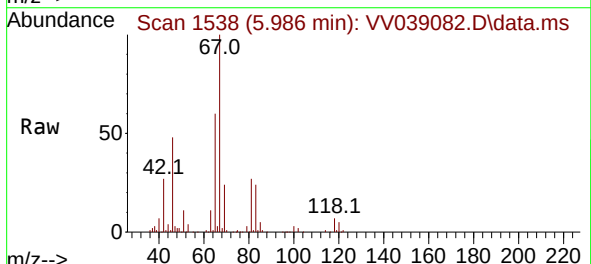
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ClientSampleId :

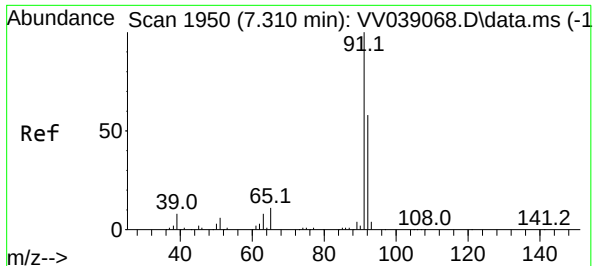
Tgt Ion: 83 Resp: 40947
Ion Ratio Lower Upper
83 100
55 0.5 61.4 92.2#
98 1.4 38.2 57.4#



#37
1,2-Dichloropropane
Concen: 0.521 ug/L
RT: 5.986 min Scan# 1538
Delta R.T. -0.103 min
Lab File: VV039082.D
Acq: 15 Sep 2025 16:24

Tgt Ion: 63 Resp: 18560
Ion Ratio Lower Upper
63 100
112 0.4 3.6 5.4#

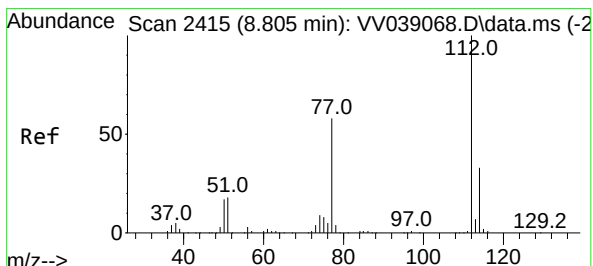
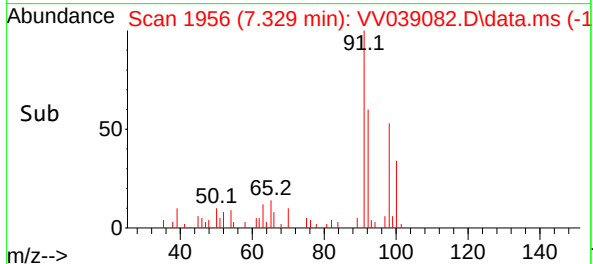
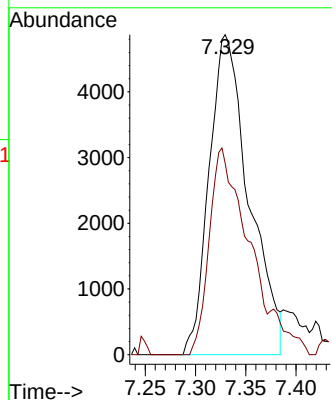
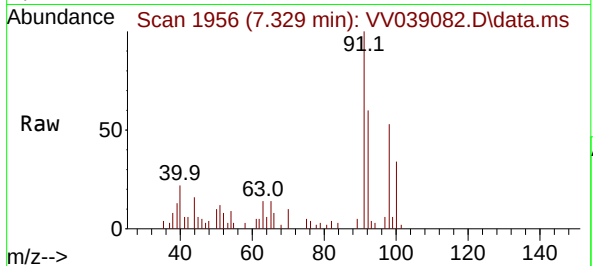




#42
Toluene
Concen: 0.094 ug/L
RT: 7.329 min Scan# 1956
Delta R.T. 0.019 min
Lab File: VV039082.D
Acq: 15 Sep 2025 16:24

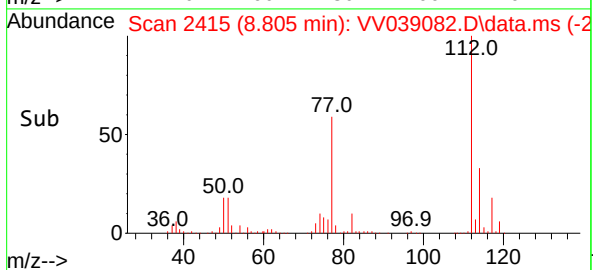
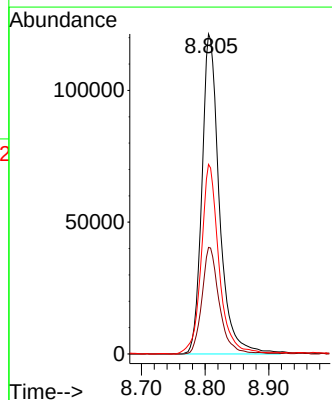
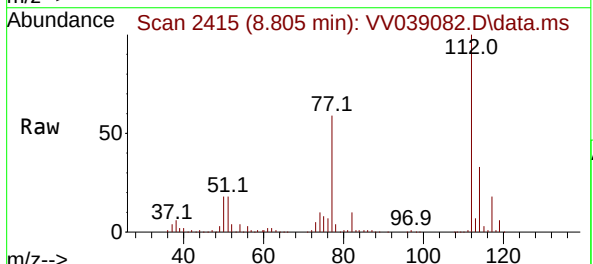
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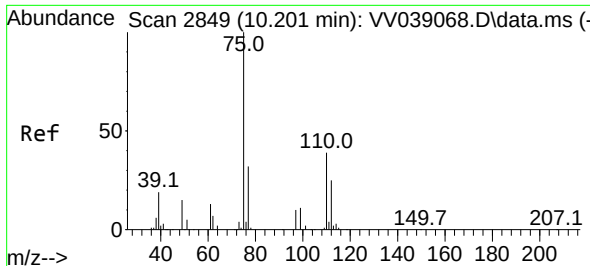
Tgt Ion: 91 Resp: 13404
Ion Ratio Lower Upper
91 100
92 59.8 40.5 75.1



#51
Chlorobenzene
Concen: 2.506 ug/L
RT: 8.805 min Scan# 2415
Delta R.T. 0.000 min
Lab File: VV039082.D
Acq: 15 Sep 2025 16:24

Tgt Ion: 112 Resp: 231413
Ion Ratio Lower Upper
112 100
114 33.3 23.0 42.6
77 59.3 46.6 69.8

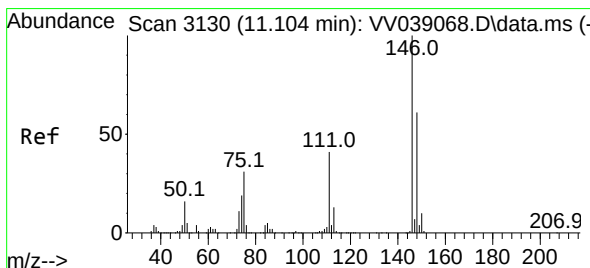
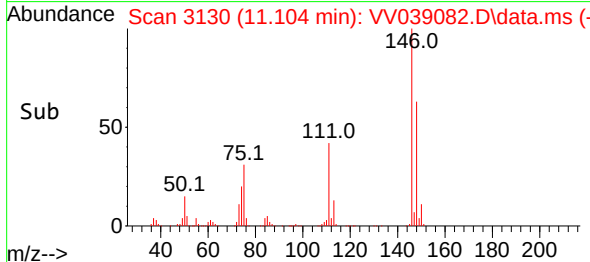
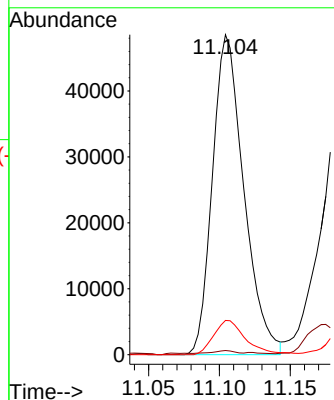
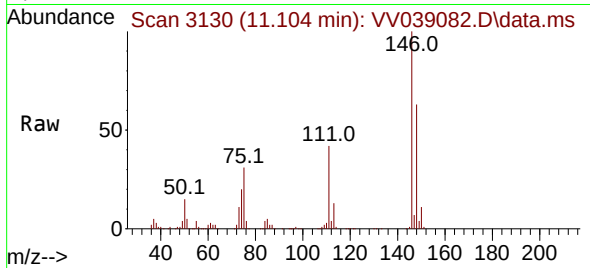




#61
1,2,3-Trichloropropane
Concen: 4.770 ug/L
RT: 11.104 min Scan# 3130
Delta R.T. 0.904 min
Lab File: VV039082.D
Acq: 15 Sep 2025 16:24

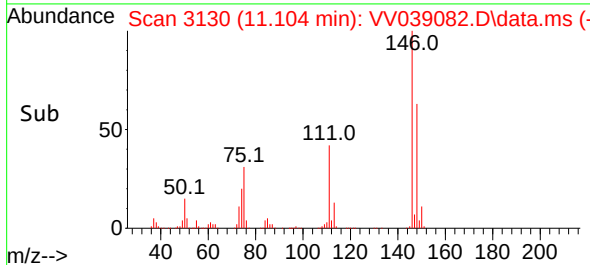
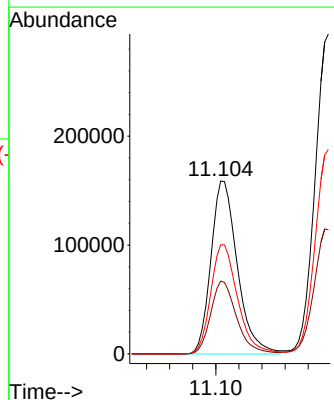
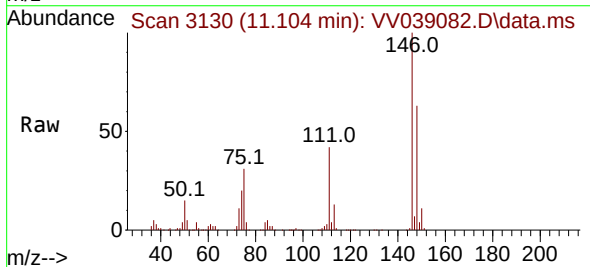
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MSVOA_V
ClientSampleId :

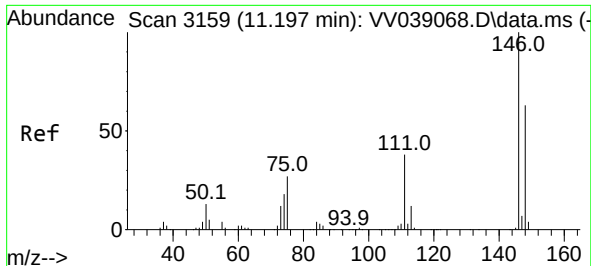
Tgt Ion: 75 Resp: 74632
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
110 11.0 31.0 46.4#



#64
1,3-Dichlorobenzene
Concen: 4.160 ug/L
RT: 11.104 min Scan# 3130
Delta R.T. 0.000 min
Lab File: VV039082.D
Acq: 15 Sep 2025 16:24

Tgt Ion:146 Resp: 252218
Ion Ratio Lower Upper
146 100
111 42.1 28.3 52.7
148 63.1 42.9 79.7

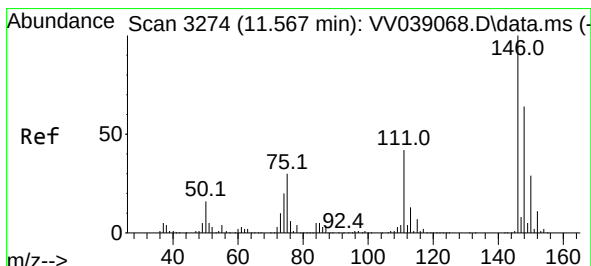
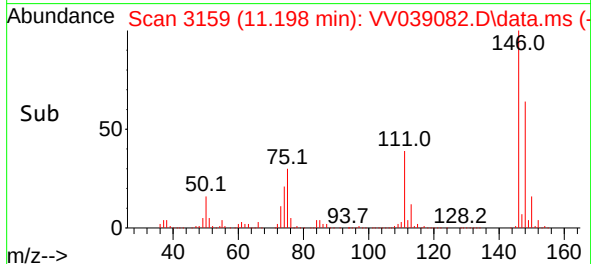
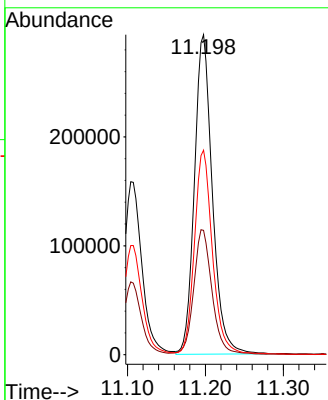
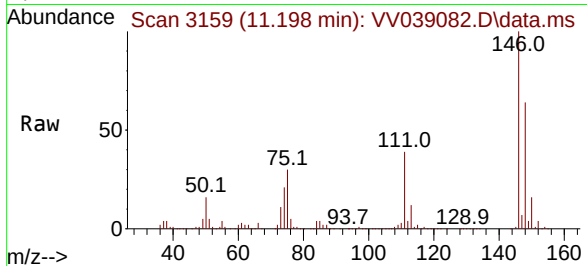




#65
1,4-Dichlorobenzene
Concen: 7.491 ug/L
RT: 11.198 min Scan# 3159
Delta R.T. 0.000 min
Lab File: VV039082.D
Acq: 15 Sep 2025 16:24

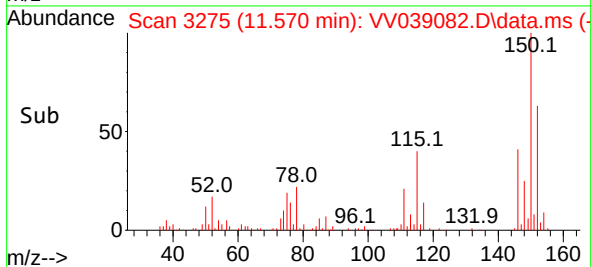
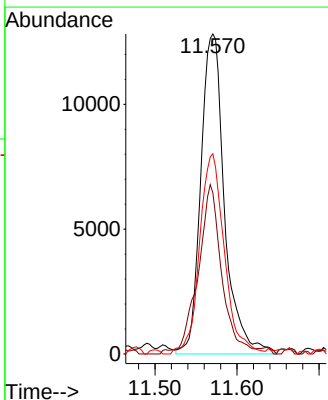
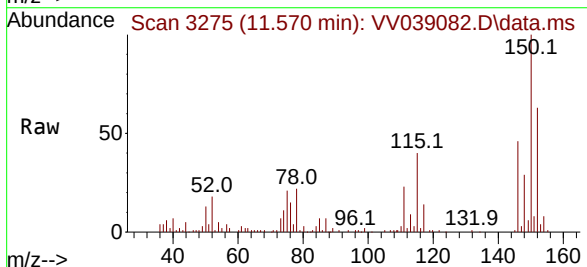
Instrument :
MSVOA_V
ClientSampleId :

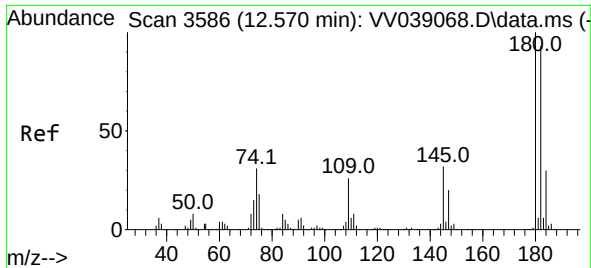
Tgt Ion:146 Resp: 469817
Ion Ratio Lower Upper
146 100
111 38.8 27.2 50.6
148 63.9 43.8 81.4



#67
1,2-Dichlorobenzene
Concen: 0.481 ug/L
RT: 11.570 min Scan# 3275
Delta R.T. 0.003 min
Lab File: VV039082.D
Acq: 15 Sep 2025 16:24

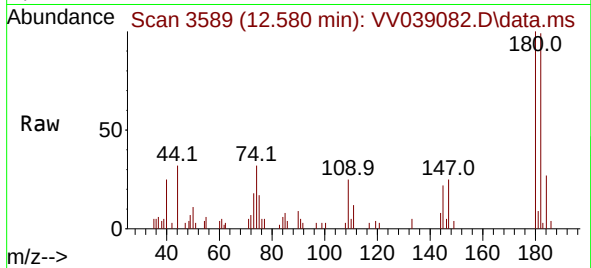
Tgt Ion:146 Resp: 25833
Ion Ratio Lower Upper
146 100
111 50.3 33.4 50.2#
148 62.6 51.1 76.7



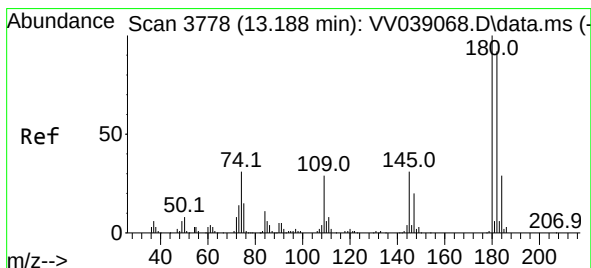
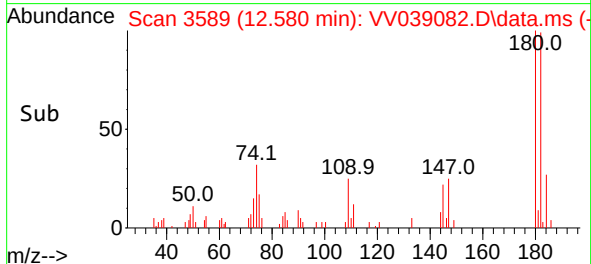
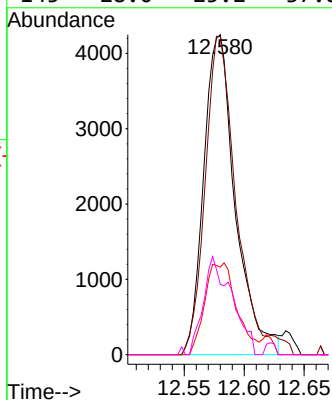


#69
 1,3,5-Trichlorobenzene
 Concen: 0.195 ug/L
 RT: 12.580 min Scan# 3586
 Delta R.T. 0.010 min
 Lab File: VV039082.D
 Acq: 15 Sep 2025 16:24

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 7765
 Ion Ratio Lower Upper
 180 100
 182 98.6 76.3 114.5
 184 29.1 24.0 36.0
 145 28.0 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.150 ug/L
 RT: 13.185 min Scan# 3777
 Delta R.T. -0.003 min
 Lab File: VV039082.D
 Acq: 15 Sep 2025 16:24

Tgt Ion:180 Resp: 154048
 Ion Ratio Lower Upper
 180 100
 182 96.6 73.2 109.8
 145 33.1 25.0 37.4

