

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091525\
 Data File : VV039081.D
 Acq On : 15 Sep 2025 16:03
 Operator : SY/MD
 Sample : Q3084-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 02:24:52 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)

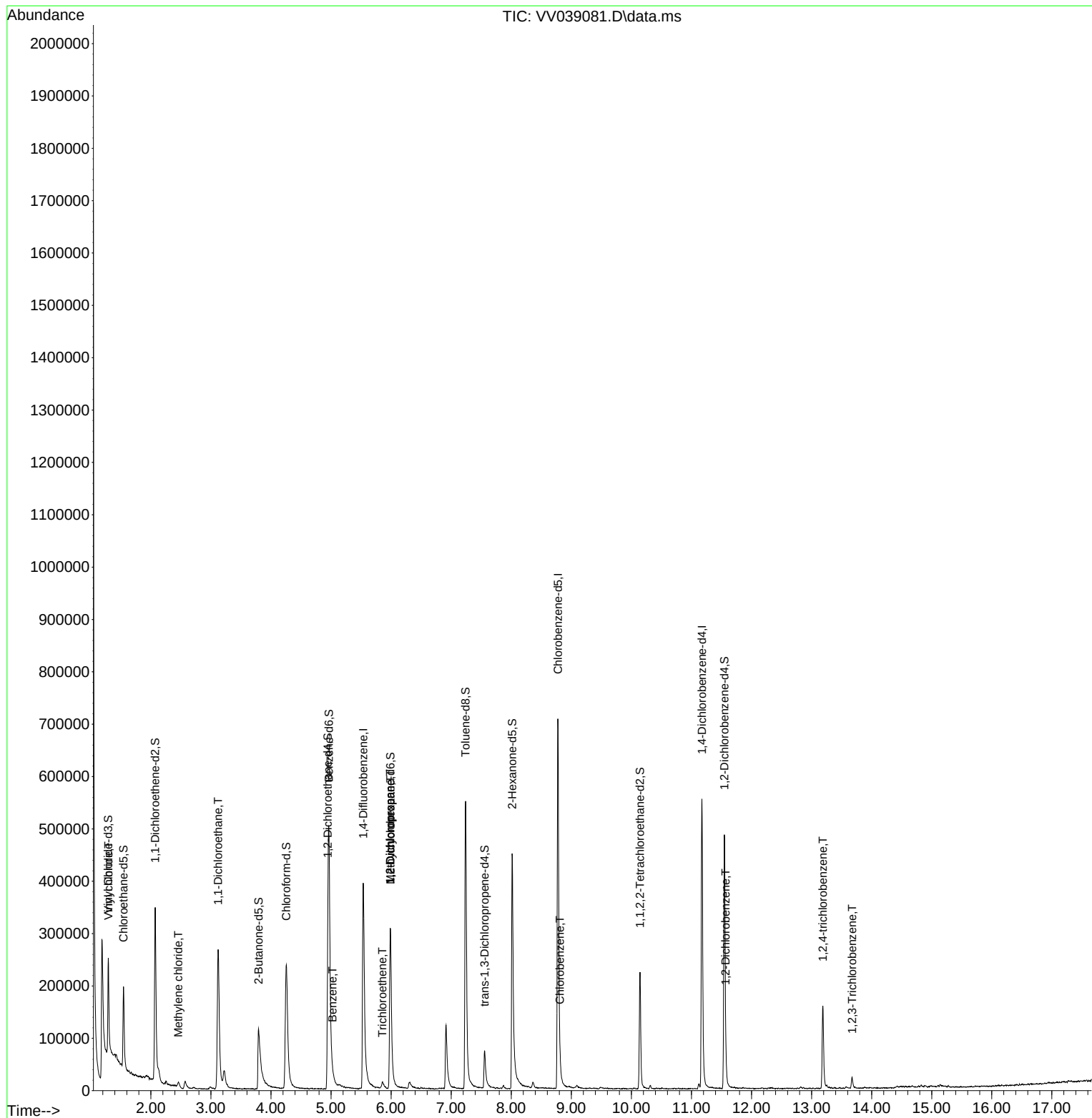
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	397530	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	413218	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	151026	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	148887	4.749	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	95.000%	
7) Chloroethane-d5	1.545	69	129979	4.784	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	95.600%	
11) 1,1-Dichloroethene-d2	2.073	65	66793	4.472	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	89.400%	
20) 2-Butanone-d5	3.793	46	202243	43.430	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	86.860%	
24) Chloroform-d	4.256	84	299862	4.925	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.400%	
26) 1,2-Dichloroethane-d4	4.947	65	125971	4.913	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	98.200%	
32) Benzene-d6	4.963	84	535775	4.738	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.800%	
36) 1,2-Dichloropropane-d6	5.989	67	170584	5.047	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.000%	
41) Toluene-d8	7.239	98	420444	4.154	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	83.000%	
43) trans-1,3-Dichloroprop...	7.558	79	52662	4.260	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	85.200%	
46) 2-Hexanone-d5	8.014	63	175517	43.857	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	87.720%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	115914	4.804	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	96.000%	
66) 1,2-Dichlorobenzene-d4	11.548	152	132342	5.444	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	108.800%	
Target Compounds						
5) Vinyl chloride	1.294	62	6495	0.149	ug/L #	1
16) Methylene chloride	2.458	84	5594	0.152	ug/L	85
19) 1,1-Dichloroethane	3.121	63	313004	5.136	ug/L	98
33) Benzene	5.024	78	12055	0.093	ug/L	100
34) Trichloroethene	5.854	95	3932	0.112	ug/L	96
35) Methylcyclohexane	5.989	83	40000	0.729	ug/L #	19
37) 1,2-Dichloropropane	5.986	63	19608	0.581	ug/L #	87
51) Chlorobenzene	8.812	112	16179	0.185	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	9710	0.222	ug/L	89
70) 1,2,4-trichlorobenzene	13.188	180	50775	2.088	ug/L	97
72) 1,2,3-Trichlorobenzene	13.677	180	6631	0.306	ug/L	96

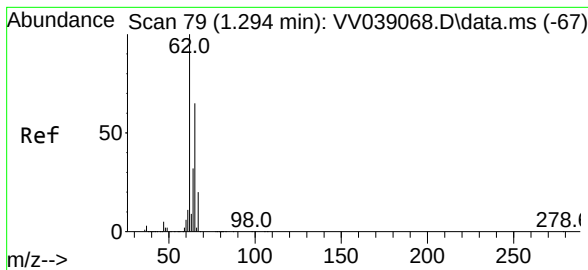
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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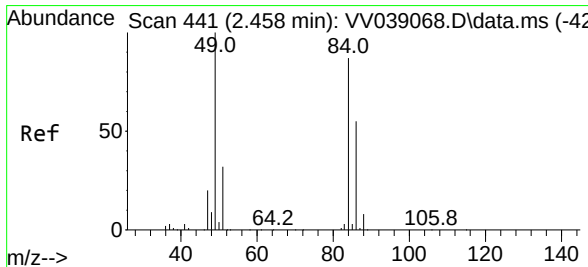
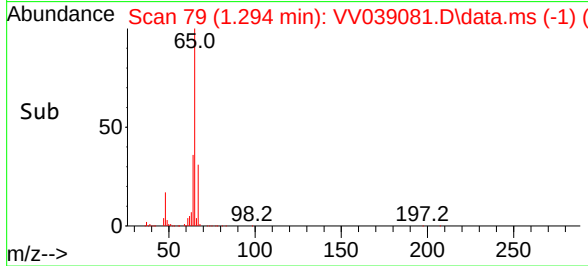
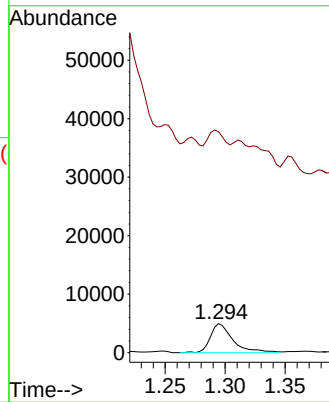
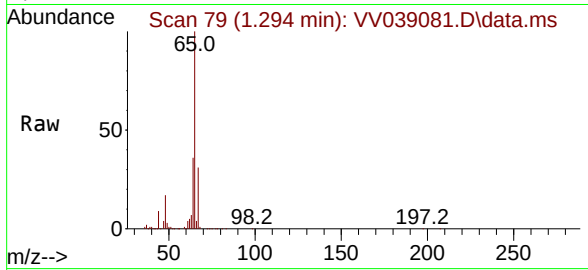




#5
 Vinyl chloride
 Concen: 0.149 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: VV039081.D
 Acq: 15 Sep 2025 16:03

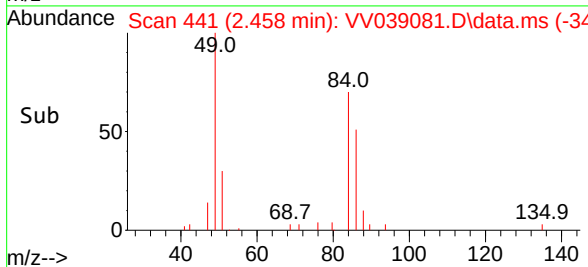
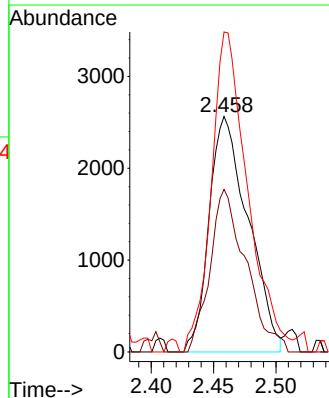
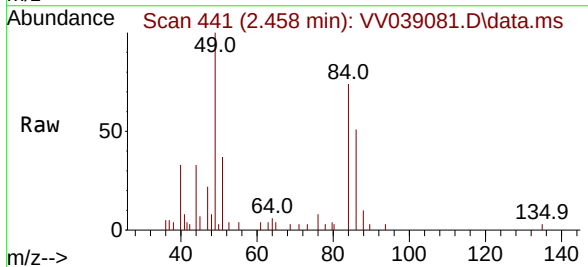
Instrument :
 MSVOA_V
 ClientSampleId :

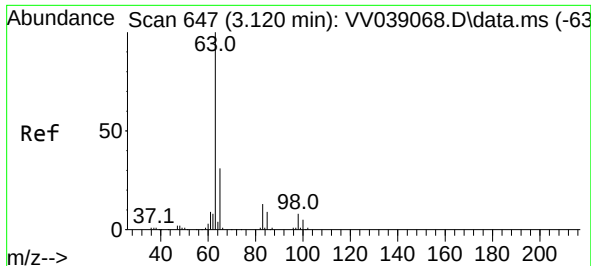
Tgt Ion: 62 Resp: 6495
 Ion Ratio Lower Upper
 62 100
 64 759.0 22.4 41.6#



#16
 Methylene chloride
 Concen: 0.152 ug/L
 RT: 2.458 min Scan# 441
 Delta R.T. 0.000 min
 Lab File: VV039081.D
 Acq: 15 Sep 2025 16:03

Tgt Ion: 84 Resp: 5594
 Ion Ratio Lower Upper
 84 100
 86 69.0 44.2 82.2
 49 135.9 80.6 149.6





#19

1,1-Dichloroethane

Concen: 5.136 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.000 min

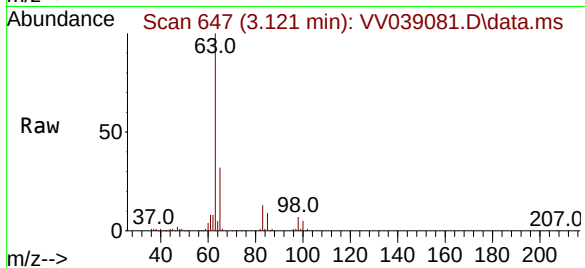
Lab File: VV039081.D

Acq: 15 Sep 2025 16:03

Instrument :

MSVOA_V

ClientSampleId :



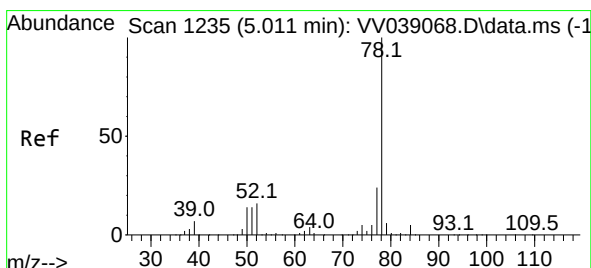
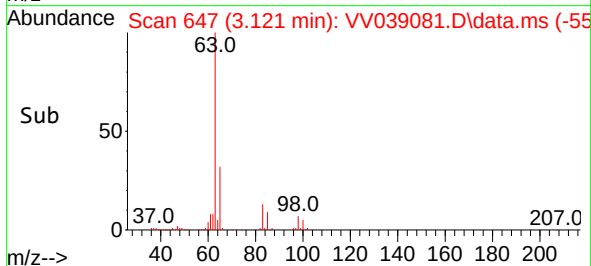
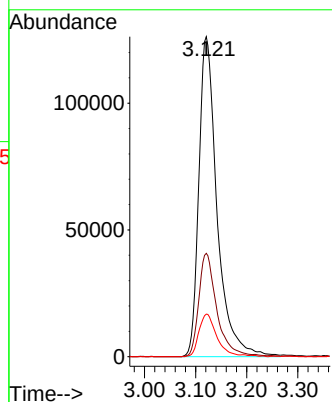
Tgt Ion: 63 Resp: 313004

Ion Ratio Lower Upper

63 100

65 32.3 21.5 39.9

83 13.3 9.2 17.2



#33

Benzene

Concen: 0.093 ug/L

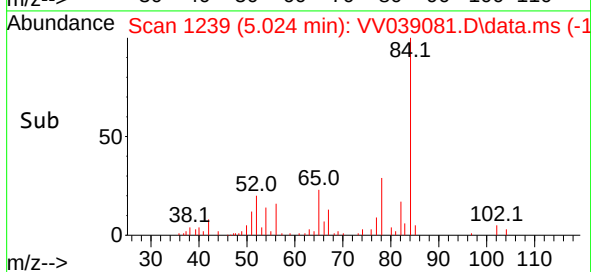
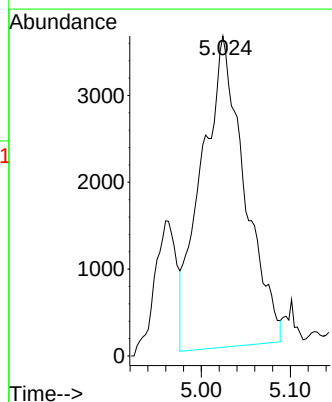
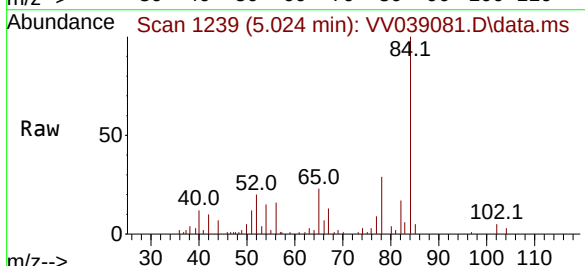
RT: 5.024 min Scan# 1239

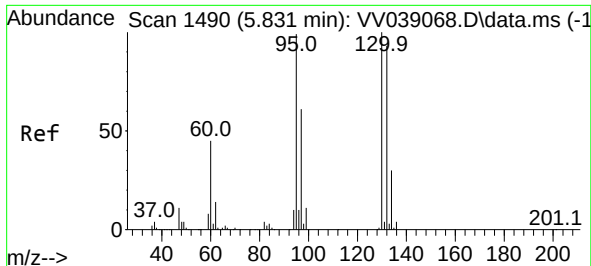
Delta R.T. 0.013 min

Lab File: VV039081.D

Acq: 15 Sep 2025 16:03

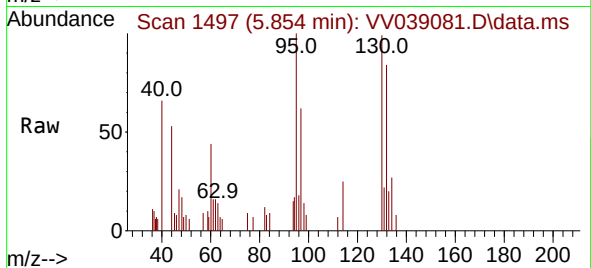
Tgt Ion: 78 Resp: 12055



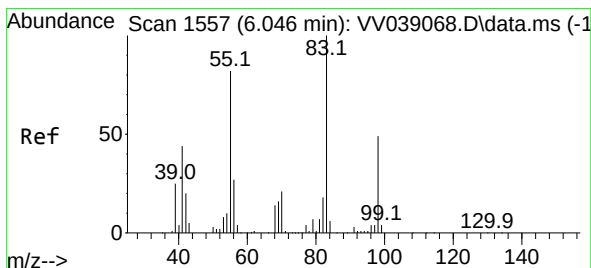
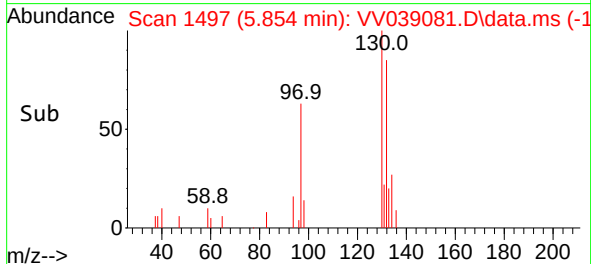
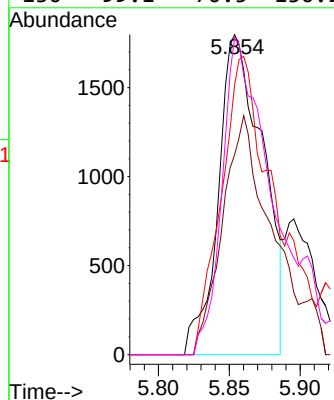


#34
Trichloroethene
Concen: 0.112 ug/L
RT: 5.854 min Scan# 1497
Delta R.T. 0.023 min
Lab File: VV039081.D
Acq: 15 Sep 2025 16:03

Instrument :
MSVOA_V
ClientSampleId :

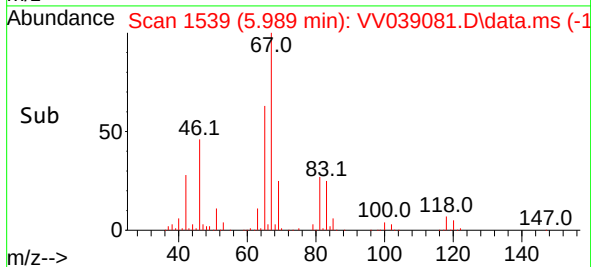
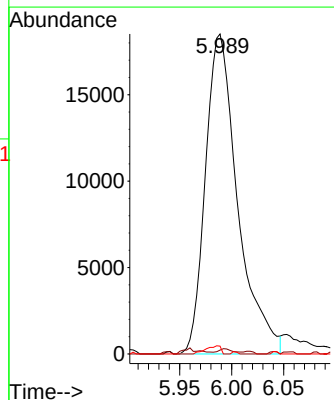
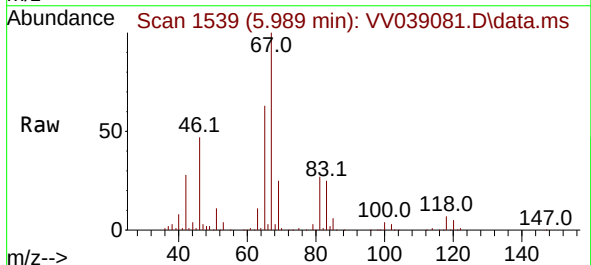


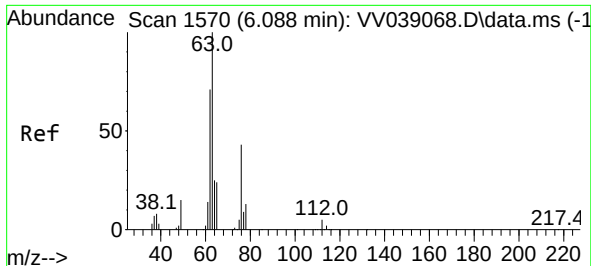
Tgt Ion:	95	Resp:	3932
Ion	Ratio	Lower	Upper
95	100		
97	62.4	43.3	80.5
132	84.3	65.5	121.7
130	99.1	70.5	130.9



#35
Methylcyclohexane
Concen: 0.729 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.058 min
Lab File: VV039081.D
Acq: 15 Sep 2025 16:03

Tgt Ion:	83	Resp:	40000
Ion	Ratio	Lower	Upper
83	100		
55	0.7	61.4	92.2#
98	1.2	38.2	57.4#





#37

1,2-Dichloropropane

Concen: 0.581 ug/L

RT: 5.986 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV039081.D

Acq: 15 Sep 2025 16:03

Instrument :

MSVOA_V

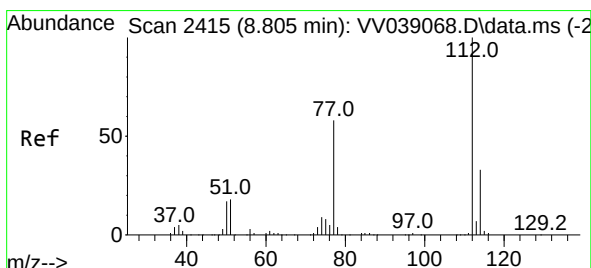
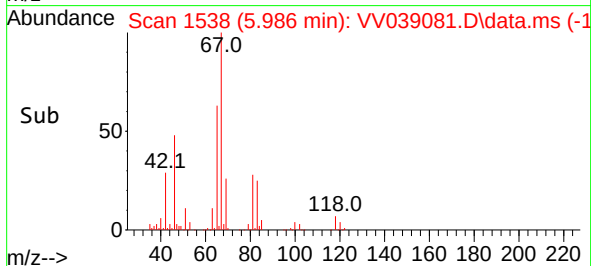
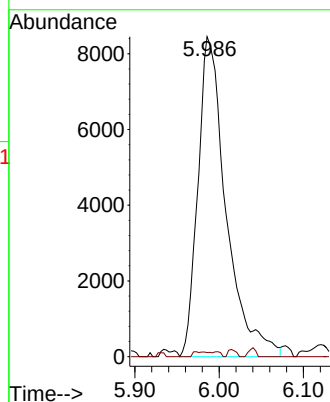
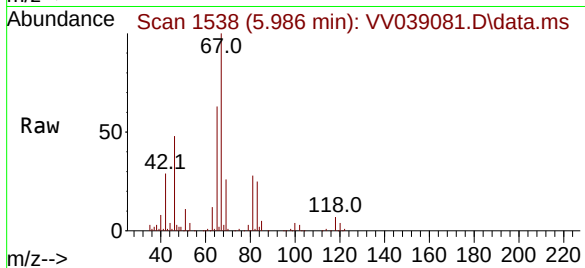
ClientSampleId :

Tgt Ion: 63 Resp: 19608

Ion Ratio Lower Upper

63 100

112 0.4 3.6 5.4#



#51

Chlorobenzene

Concen: 0.185 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.007 min

Lab File: VV039081.D

Acq: 15 Sep 2025 16:03

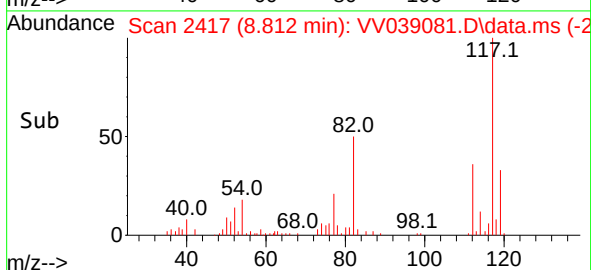
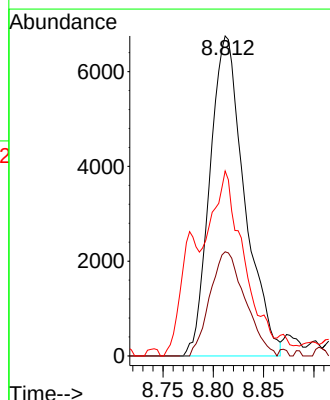
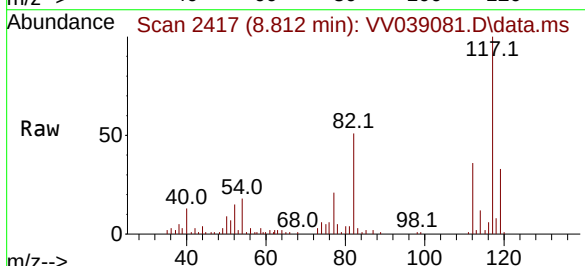
Tgt Ion: 112 Resp: 16179

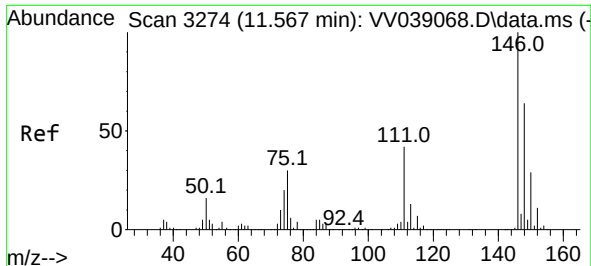
Ion Ratio Lower Upper

112 100

114 32.5 23.0 42.6

77 57.8 46.6 69.8





#67

1,2-Dichlorobenzene

Concen: 0.222 ug/L

RT: 11.571 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039081.D

Acq: 15 Sep 2025 16:03

Instrument :

MSVOA_V

ClientSampleId :

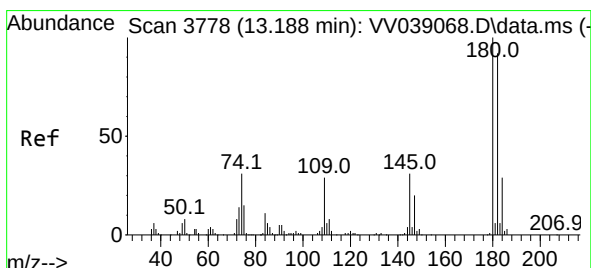
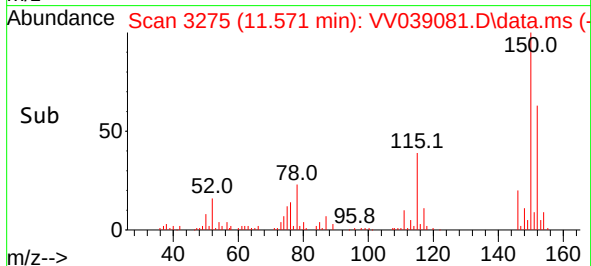
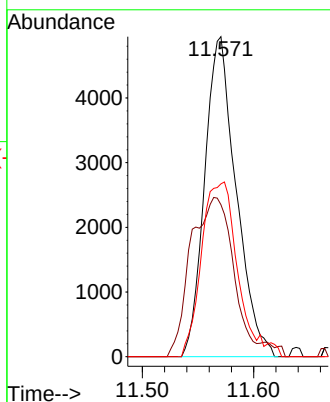
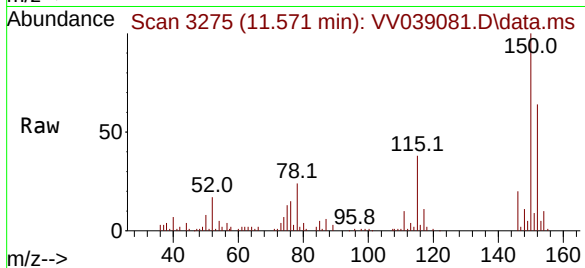
Tgt Ion:146 Resp: 9710

Ion Ratio Lower Upper

146 100

111 47.5 33.4 50.2

148 54.0 51.1 76.7



#70

1,2,4-trichlorobenzene

Concen: 2.088 ug/L

RT: 13.188 min Scan# 3778

Delta R.T. 0.000 min

Lab File: VV039081.D

Acq: 15 Sep 2025 16:03

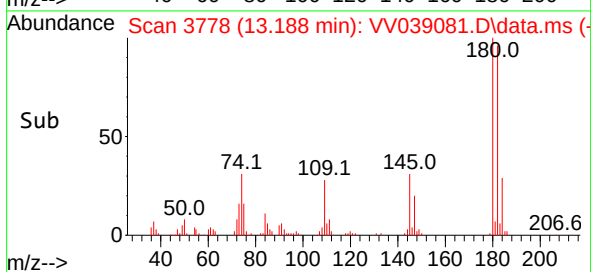
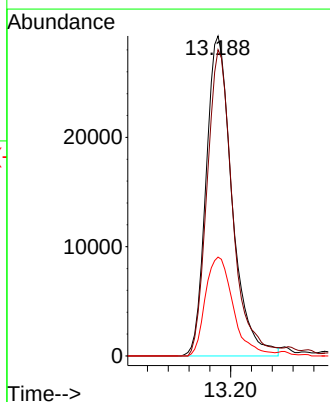
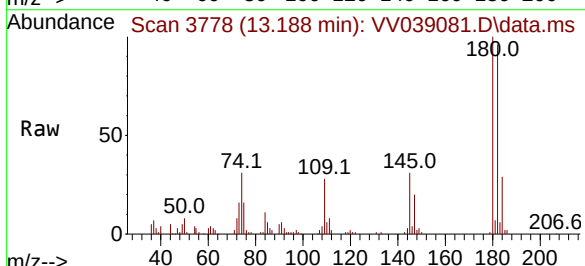
Tgt Ion:180 Resp: 50775

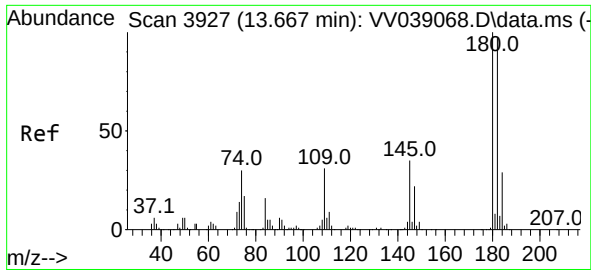
Ion Ratio Lower Upper

180 100

182 94.2 73.2 109.8

145 33.2 25.0 37.4





#72

1,2,3-Trichlorobenzene

Concen: 0.306 ug/L

RT: 13.677 min Scan# 3927

Delta R.T. 0.010 min

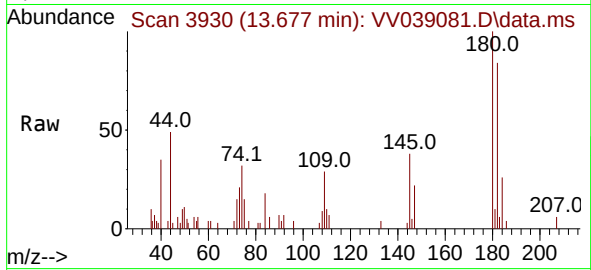
Lab File: VV039081.D

Acq: 15 Sep 2025 16:03

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 6631

Ion Ratio Lower Upper

180 100

182 91.3 76.6 115.0

145 35.7 27.4 41.2

