

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091625\
 Data File : VV039111.D
 Acq On : 16 Sep 2025 16:42
 Operator : SY/MD
 Sample : Q3084-09DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 17 02:25:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 17 02:19:46 2025
 Response via : Initial Calibration

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

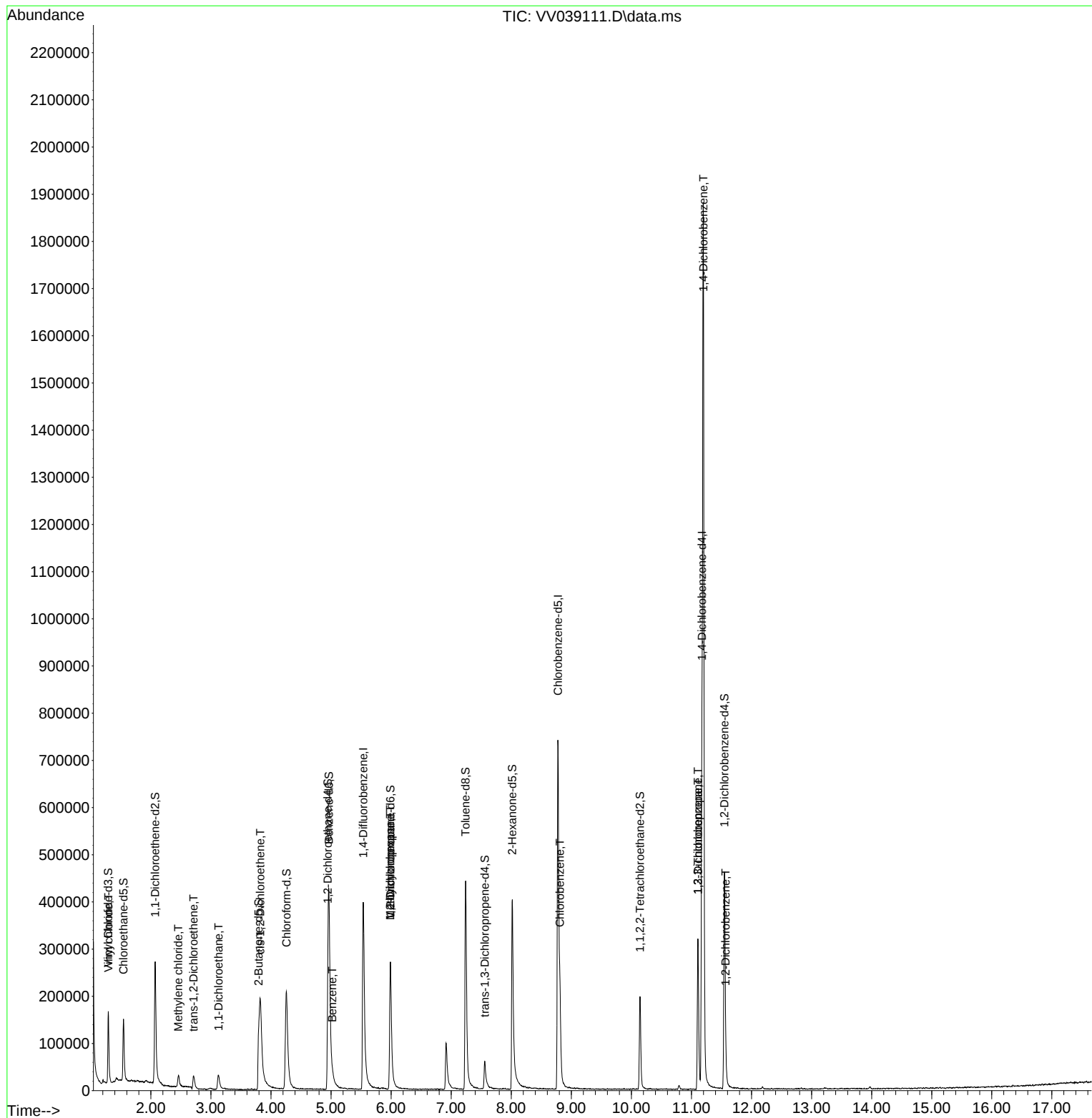
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	402257	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	414478	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	169199	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	118780	3.744	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.800%
7) Chloroethane-d5	1.545	69	110419	4.016	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.400%
11) 1,1-Dichloroethene-d2	2.072	65	53328	3.528	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	3.793	46	201162	42.690	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.380%
24) Chloroform-d	4.256	84	259463	4.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	4.947	65	112358	4.330	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
32) Benzene-d6	4.963	84	441635	3.894	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	5.989	67	148236	4.373	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.239	98	334746	3.297	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.000%#
43) trans-1,3-Dichloroprop...	7.561	79	42104	3.396	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.000%
46) 2-Hexanone-d5	8.017	63	153584	38.260	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.520%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	104276	4.308	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.200%
66) 1,2-Dichlorobenzene-d4	11.551	152	124234	4.562	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						
5) Vinyl chloride	1.294	62	10513	0.239	ug/L #	51
16) Methylene chloride	2.458	84	12860	0.346	ug/L	99
18) trans-1,2-Dichloroethene	2.712	96	13339	0.397	ug/L	96
19) 1,1-Dichloroethane	3.127	63	37359	0.606	ug/L	93
22) cis-1,2-Dichloroethene	3.821	96	97324	2.966	ug/L	96
33) Benzene	5.021	78	17434	0.134	ug/L	100
35) Methylcyclohexane	5.985	83	36748	0.668	ug/L #	18
37) 1,2-Dichloropropane	5.985	63	15640	0.462	ug/L #	87
51) Chlorobenzene	8.808	112	126573	1.442	ug/L	99
61) 1,2,3-Trichloropropane	11.107	75	37356	2.621	ug/L #	50
64) 1,3-Dichlorobenzene	11.107	146	131707	2.385	ug/L	99
65) 1,4-Dichlorobenzene	11.197	146	744080	13.024	ug/L	100
67) 1,2-Dichlorobenzene	11.570	146	11033	0.225	ug/L	91

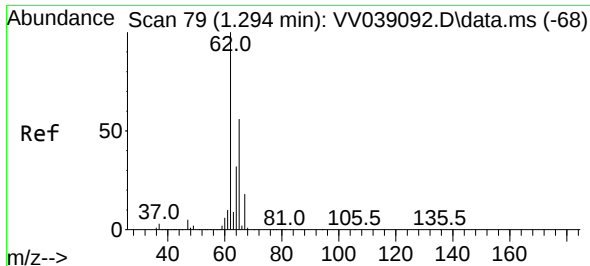
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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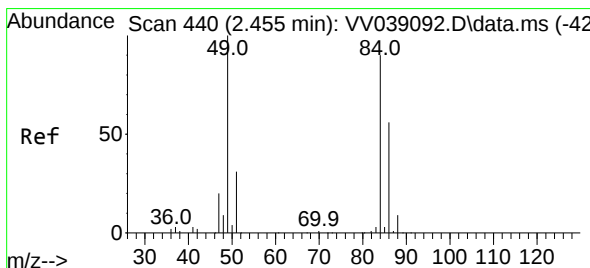
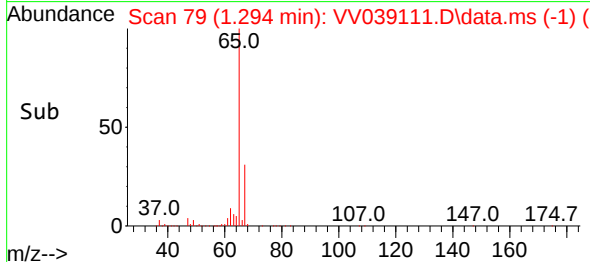
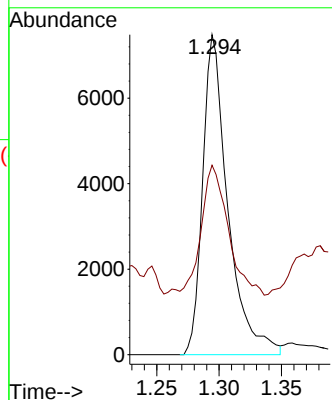
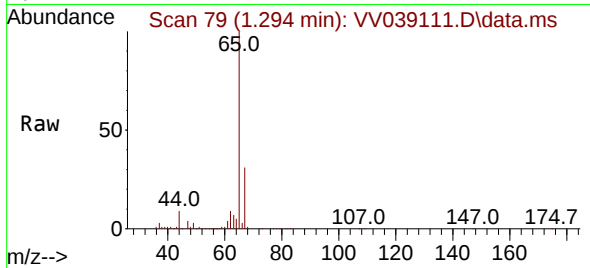




#5
 Vinyl chloride
 Concen: 0.239 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: VV039111.D
 Acq: 16 Sep 2025 16:42

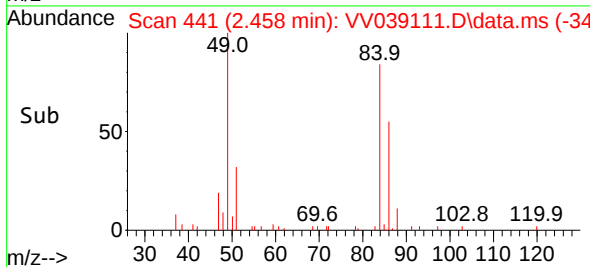
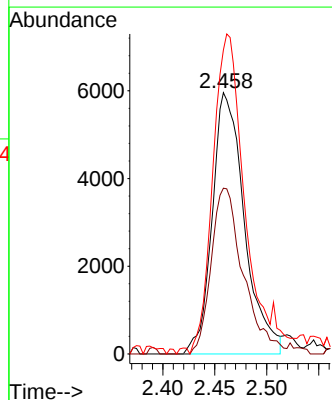
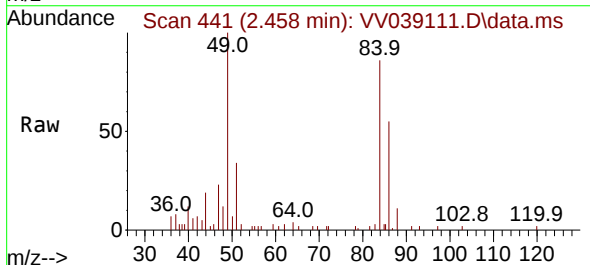
Instrument :
 MSVOA_V
 ClientSampleId :

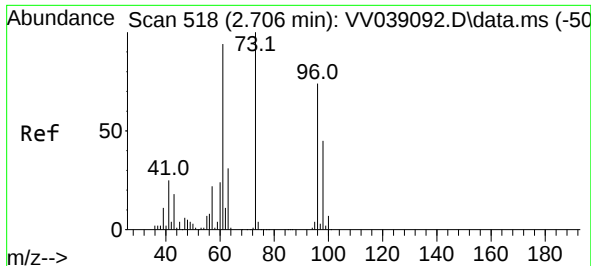
Tgt Ion: 62 Resp: 10513
 Ion Ratio Lower Upper
 62 100
 64 59.2 22.4 41.6#



#16
 Methylene chloride
 Concen: 0.346 ug/L
 RT: 2.458 min Scan# 441
 Delta R.T. 0.003 min
 Lab File: VV039111.D
 Acq: 16 Sep 2025 16:42

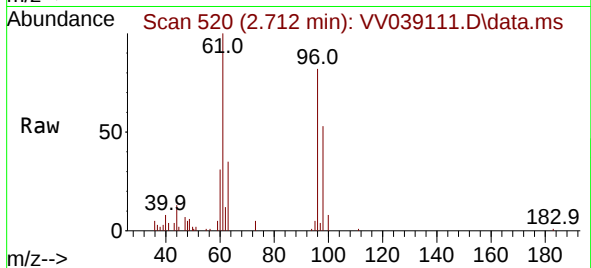
Tgt Ion: 84 Resp: 12860
 Ion Ratio Lower Upper
 84 100
 86 63.5 44.2 82.2
 49 116.4 80.6 149.6





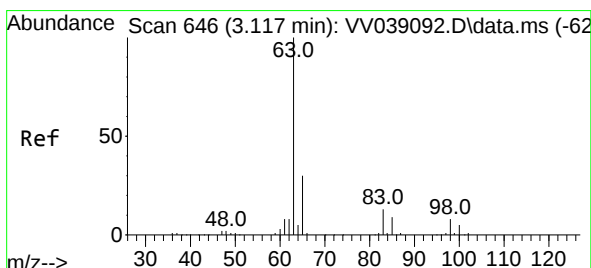
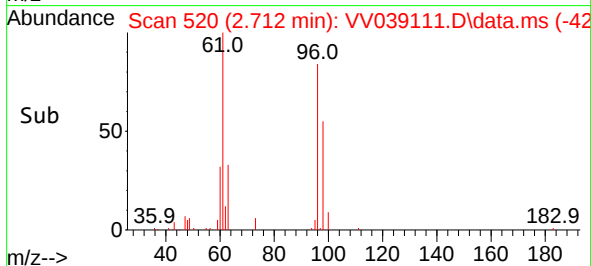
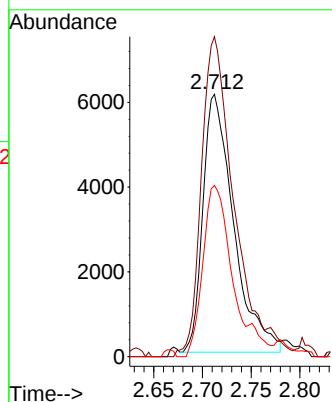
#18
 trans-1,2-Dichloroethene
 Concen: 0.397 ug/L
 RT: 2.712 min Scan# 518
 Delta R.T. 0.006 min
 Lab File: VV039111.D
 Acq: 16 Sep 2025 16:42

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 13339

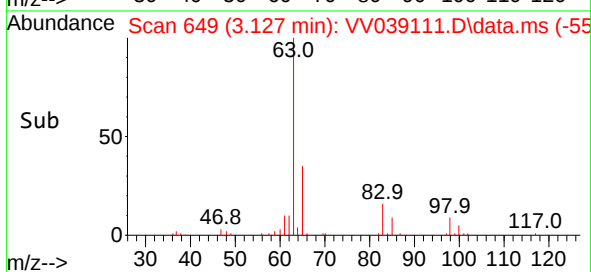
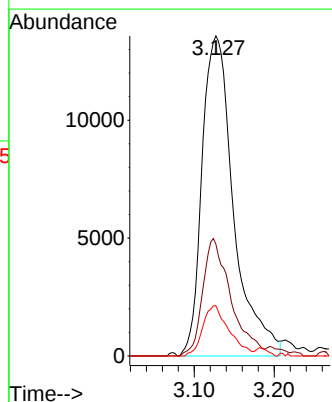
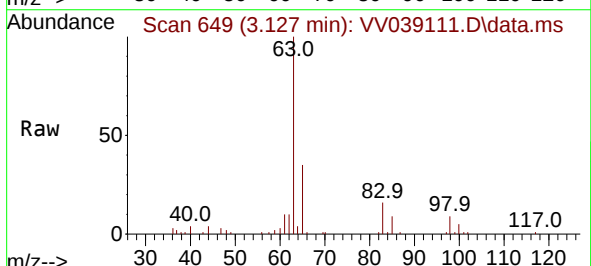
Ion	Ratio	Lower	Upper
96	100		
61	122.0	89.7	166.5
98	65.2	44.9	83.3

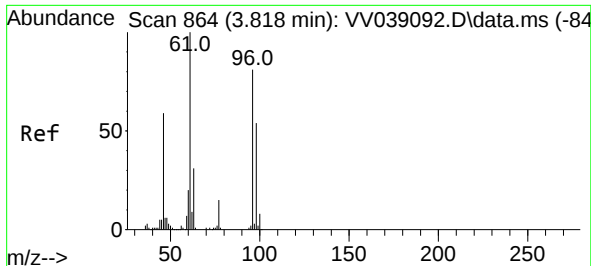


#19
 1,1-Dichloroethane
 Concen: 0.606 ug/L
 RT: 3.127 min Scan# 649
 Delta R.T. 0.010 min
 Lab File: VV039111.D
 Acq: 16 Sep 2025 16:42

Tgt Ion: 63 Resp: 37359

Ion	Ratio	Lower	Upper
63	100		
65	34.9	21.5	39.9
83	15.7	9.2	17.2

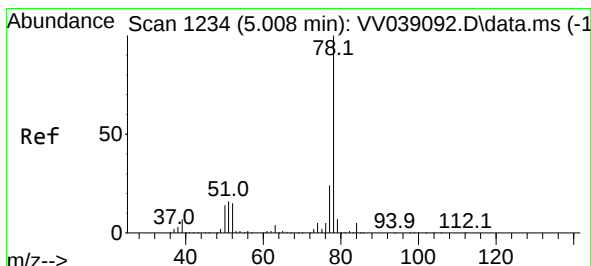
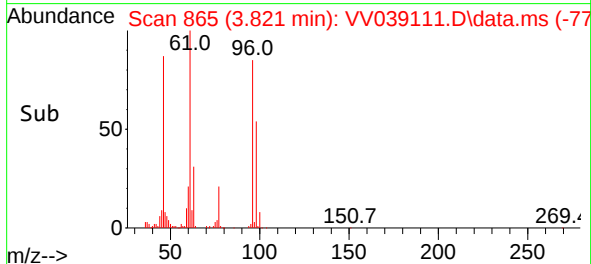
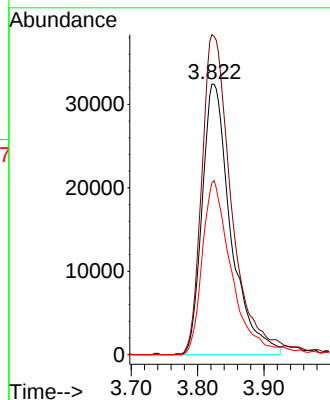
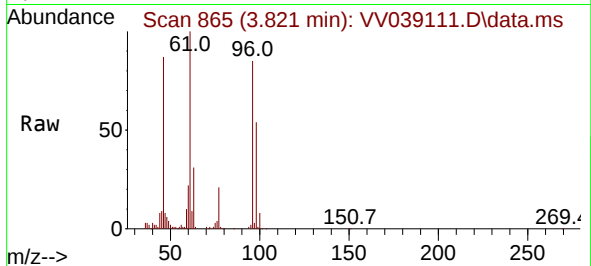




#22
 cis-1,2-Dichloroethene
 Concen: 2.966 ug/L
 RT: 3.821 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV039111.D
 Acq: 16 Sep 2025 16:42

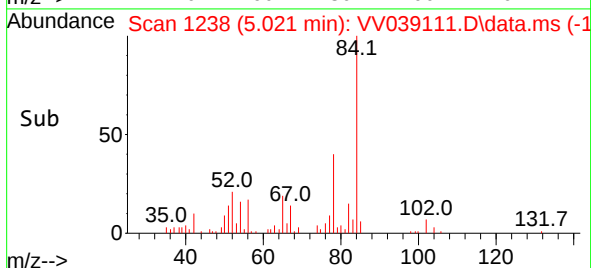
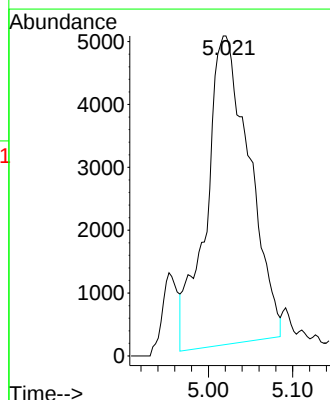
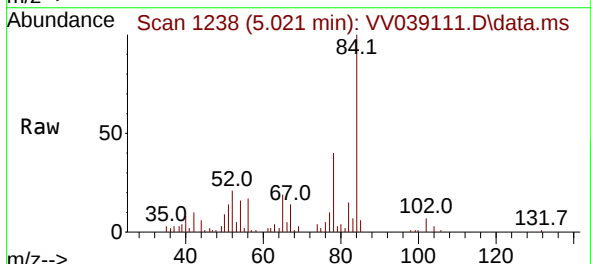
Instrument :
 MSVOA_V
 ClientSampleId :

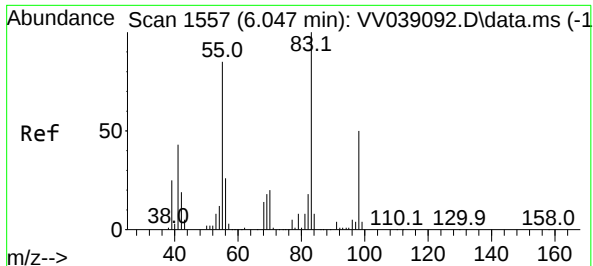
Tgt Ion: 96 Resp: 97324
 Ion Ratio Lower Upper
 96 100
 61 118.2 85.4 158.6
 98 63.5 46.6 86.6



#33
 Benzene
 Concen: 0.134 ug/L
 RT: 5.021 min Scan# 1238
 Delta R.T. 0.013 min
 Lab File: VV039111.D
 Acq: 16 Sep 2025 16:42

Tgt Ion: 78 Resp: 17434

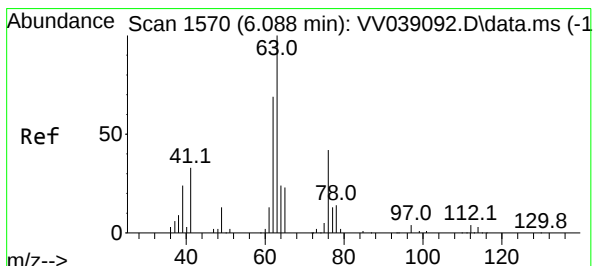
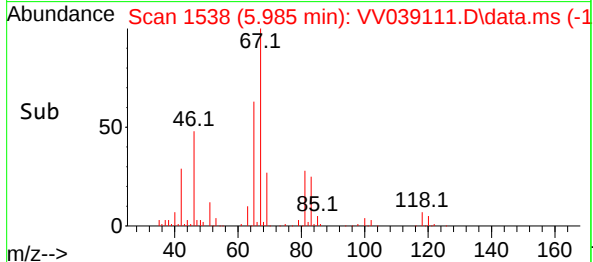
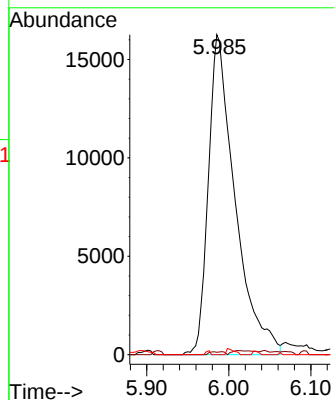
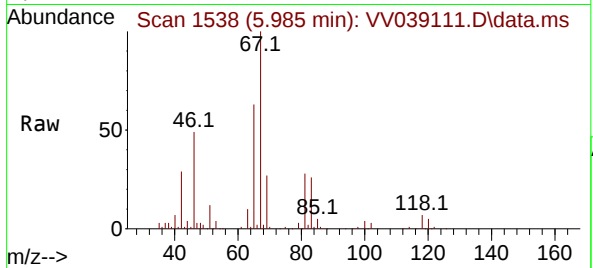




#35
Methylcyclohexane
Concen: 0.668 ug/L
RT: 5.985 min Scan# 1538
Delta R.T. -0.061 min
Lab File: VV039111.D
Acq: 16 Sep 2025 16:42

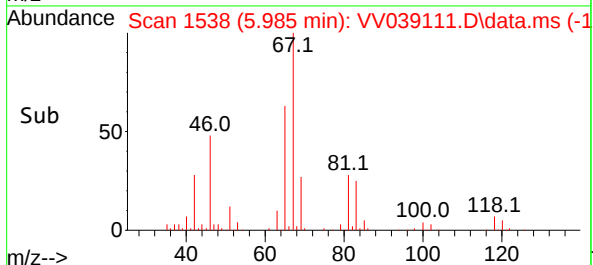
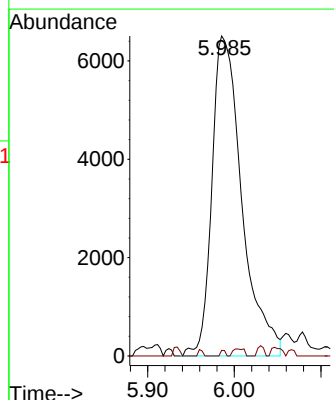
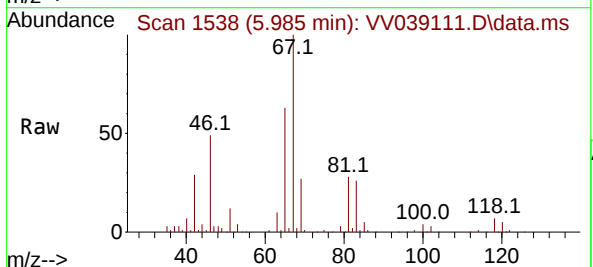
Instrument :
MSVOA_V
ClientSampleId :

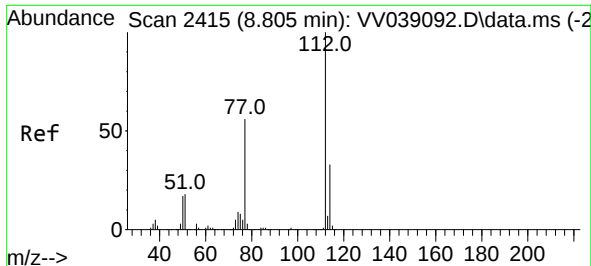
Tgt Ion: 83 Resp: 36748
Ion Ratio Lower Upper
83 100
55 0.3 61.4 92.2#
98 0.2 38.2 57.4#



#37
1,2-Dichloropropane
Concen: 0.462 ug/L
RT: 5.985 min Scan# 1538
Delta R.T. -0.103 min
Lab File: VV039111.D
Acq: 16 Sep 2025 16:42

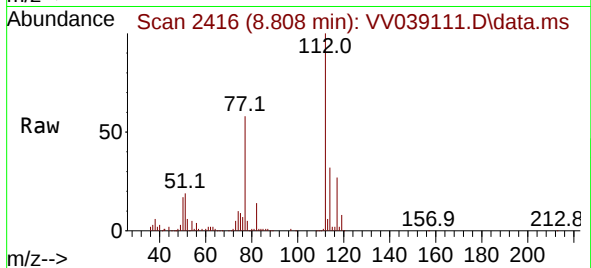
Tgt Ion: 63 Resp: 15640
Ion Ratio Lower Upper
63 100
112 0.3 3.6 5.4#



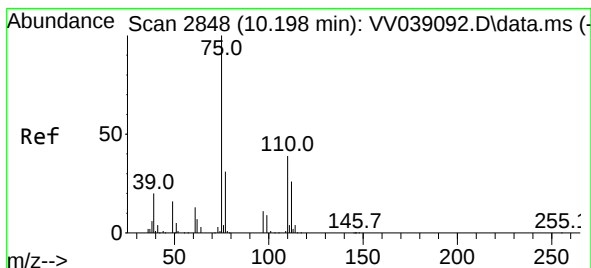
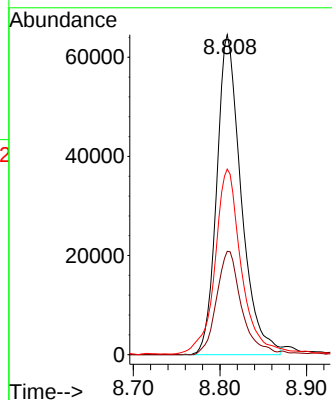
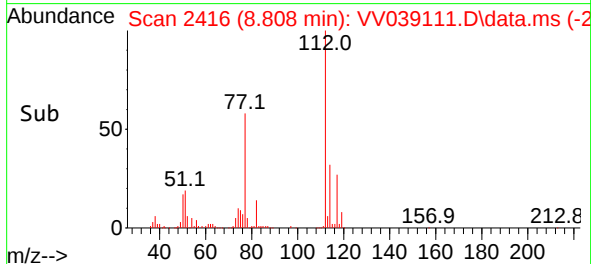


#51
Chlorobenzene
Concen: 1.442 ug/L
RT: 8.808 min Scan# 2415
Delta R.T. 0.003 min
Lab File: VV039111.D
Acq: 16 Sep 2025 16:42

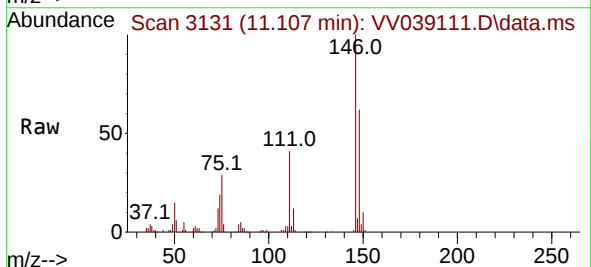
Instrument :
MSVOA_V
ClientSampleId :



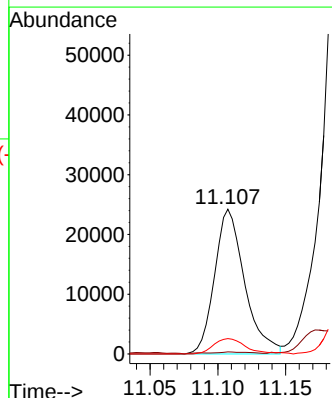
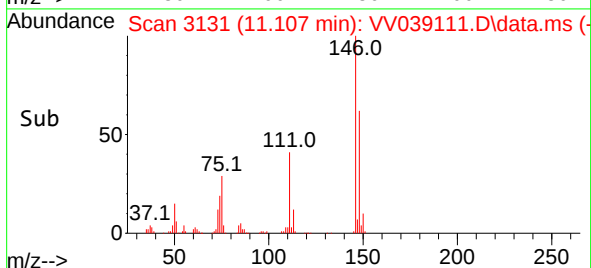
Tgt Ion:112 Resp: 126573
Ion Ratio Lower Upper
112 100
114 32.3 23.0 42.6
77 58.0 46.6 69.8

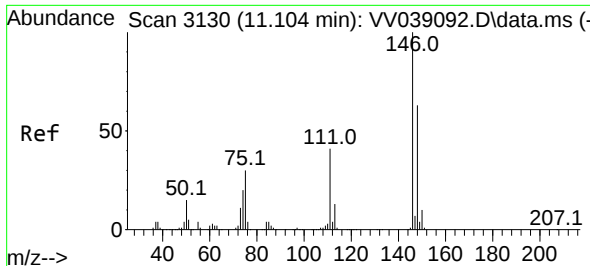


#61
1,2,3-Trichloropropane
Concen: 2.621 ug/L
RT: 11.107 min Scan# 3131
Delta R.T. 0.910 min
Lab File: VV039111.D
Acq: 16 Sep 2025 16:42



Tgt Ion: 75 Resp: 37356
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
110 11.4 31.0 46.4#

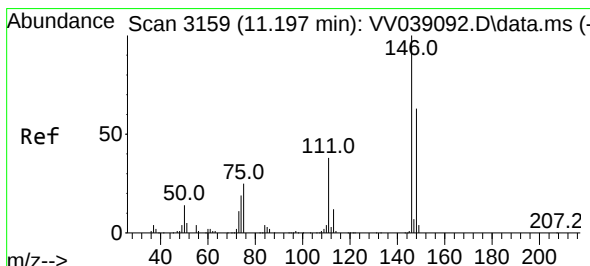
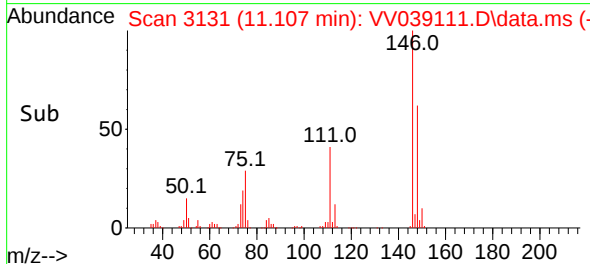
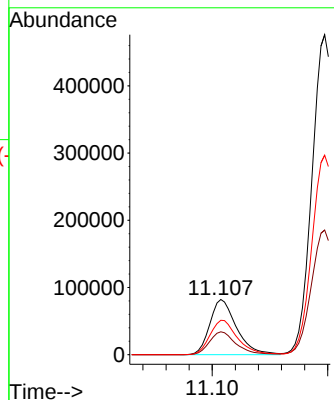
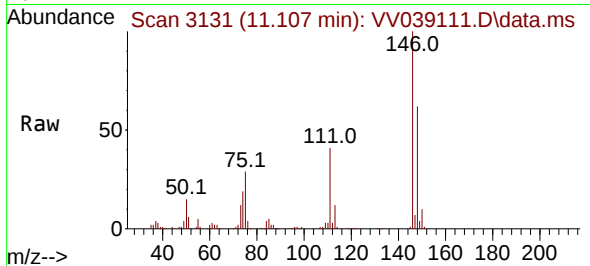




#64
1,3-Dichlorobenzene
Concen: 2.385 ug/L
RT: 11.107 min Scan# 3131
Delta R.T. 0.003 min
Lab File: VV039111.D
Acq: 16 Sep 2025 16:42

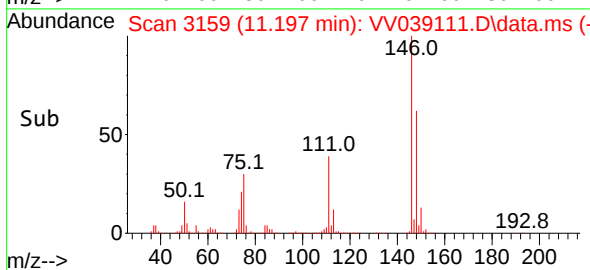
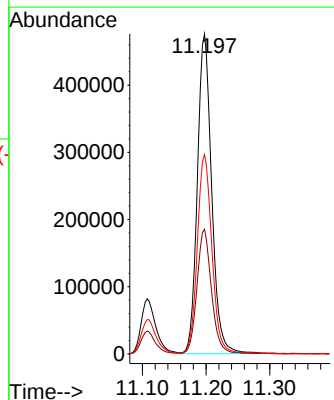
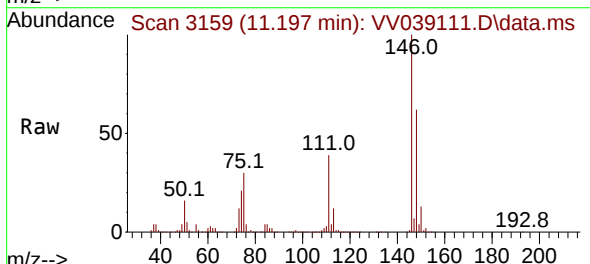
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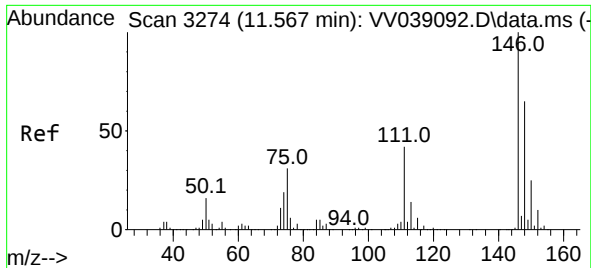
Tgt Ion:146 Resp: 131707
Ion Ratio Lower Upper
146 100
111 41.4 28.3 52.7
148 62.2 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 13.024 ug/L
RT: 11.197 min Scan# 3159
Delta R.T. -0.000 min
Lab File: VV039111.D
Acq: 16 Sep 2025 16:42

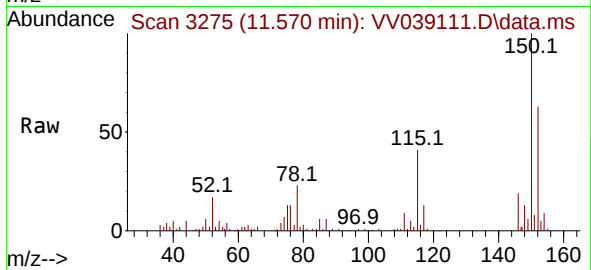
Tgt Ion:146 Resp: 744080
Ion Ratio Lower Upper
146 100
111 39.0 27.2 50.6
148 62.3 43.8 81.4





#67
 1,2-Dichlorobenzene
 Concen: 0.225 ug/L
 RT: 11.570 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV039111.D
 Acq: 16 Sep 2025 16:42

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	146	Resp:	11033
Ion	Ratio	Lower	Upper
146	100		
111	47.2	33.4	50.2
148	71.7	51.1	76.7

