

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091625\
 Data File : VV039105.D
 Acq On : 16 Sep 2025 14:32
 Operator : SY/MD
 Sample : Q3084-03DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 17 02:23:44 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)

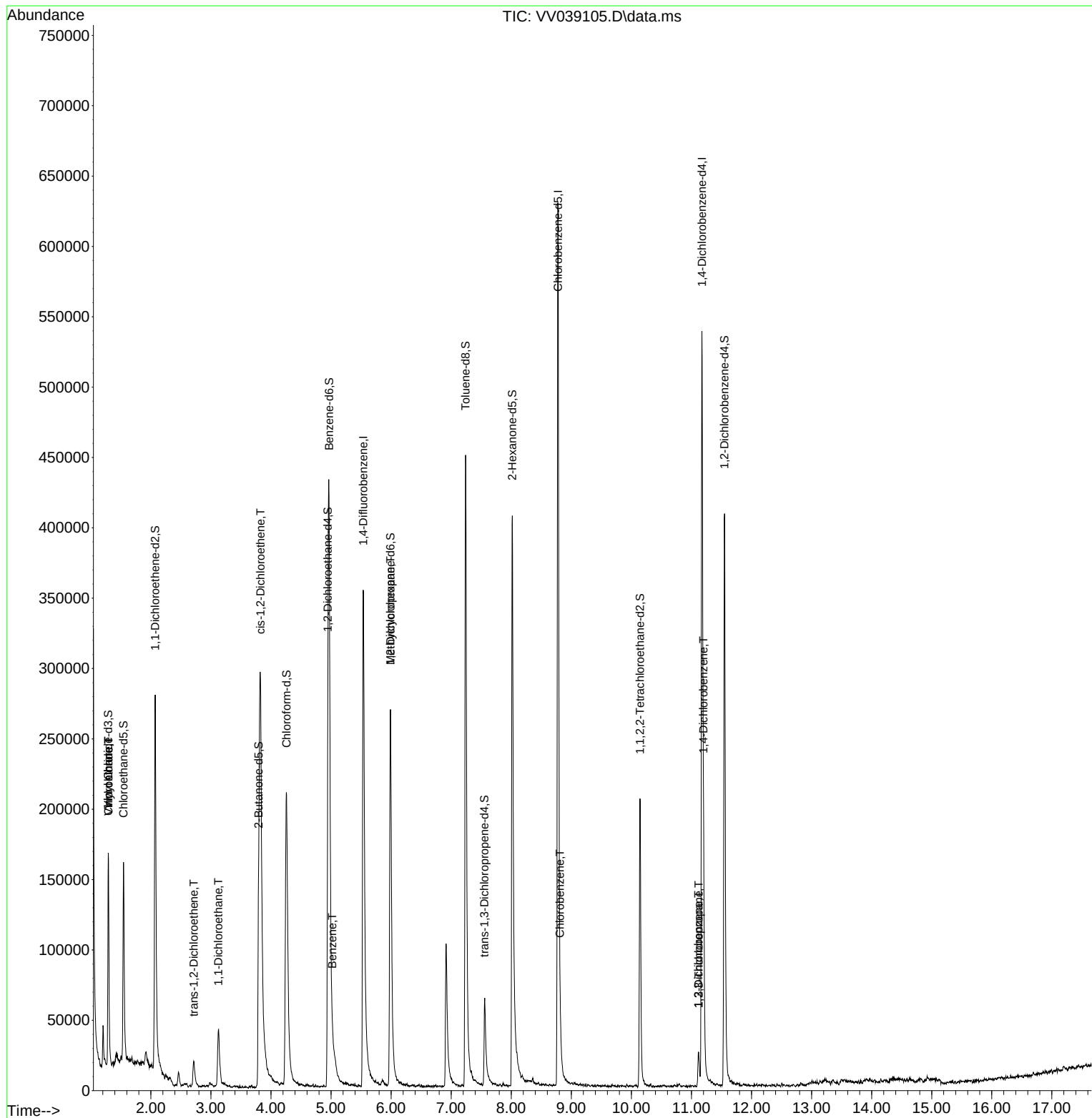
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	353318	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	369384	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	138079	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	118612	4.257	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	85.200%	
7) Chloroethane-d5	1.545	69	114986	4.762	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	95.200%	
11) 1,1-Dichloroethene-d2	2.072	65	54455	4.102	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	82.000%	
20) 2-Butanone-d5	3.793	46	206542	49.904	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	99.800%	
24) Chloroform-d	4.256	84	262169	4.844	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.800%	
26) 1,2-Dichloroethane-d4	4.947	65	112848	4.951	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	99.000%	
32) Benzene-d6	4.966	84	451767	4.470	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.400%	
36) 1,2-Dichloropropane-d6	5.989	67	147602	4.886	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	97.800%	
41) Toluene-d8	7.239	98	337082	3.725	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	74.600%	
43) trans-1,3-Dichloroprop...	7.554	79	43306	3.919	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	78.400%	
46) 2-Hexanone-d5	8.014	63	152912	42.743	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	85.480%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	106372	4.932	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	98.600%	
66) 1,2-Dichlorobenzene-d4	11.551	152	107663	4.844	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	96.800%	
Target Compounds						
5) Vinyl chloride	1.294	62	11844	0.306	ug/L #	20
8) Chloroethane	1.294	64	4956	0.206	ug/L	93
18) trans-1,2-Dichloroethene	2.715	96	7319	0.248	ug/L	91
19) 1,1-Dichloroethane	3.124	63	47160	0.871	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	165501	5.743	ug/L	98
33) Benzene	5.018	78	12943	0.111	ug/L	100
35) Methylcyclohexane	5.989	83	36458	0.743	ug/L #	19
51) Chlorobenzene	8.812	112	16549	0.212	ug/L	90
61) 1,2,3-Trichloropropane	11.120	75	3120	0.268	ug/L #	45
64) 1,3-Dichlorobenzene	11.117	146	11036	0.245	ug/L #	88
65) 1,4-Dichlorobenzene	11.201	146	69078	1.482	ug/L	97

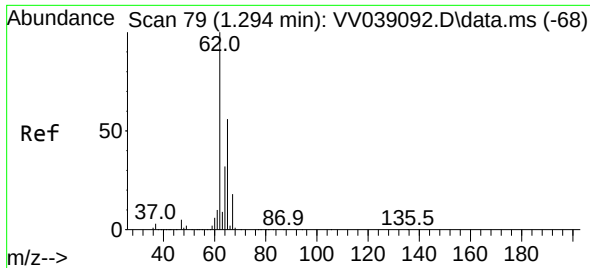
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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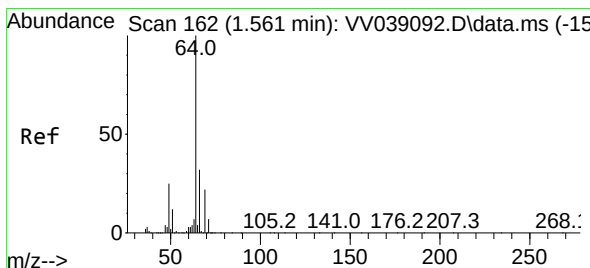
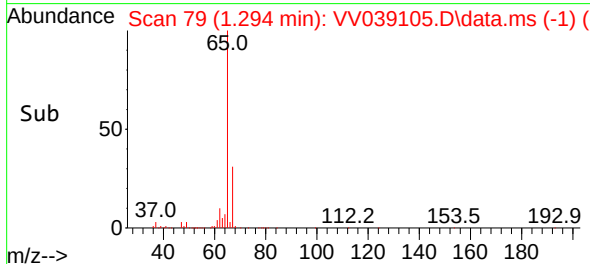
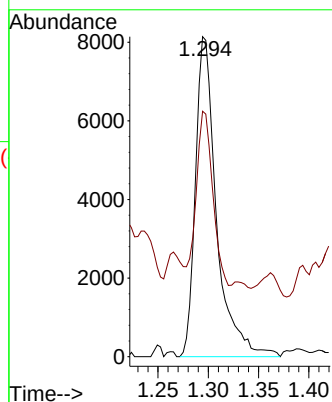
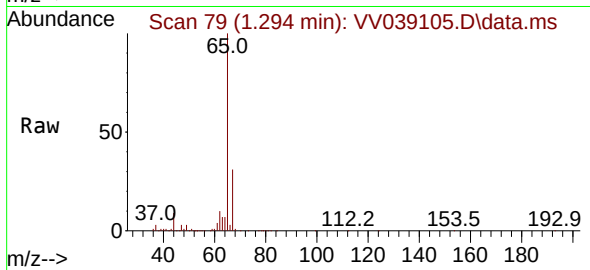




#5
 Vinyl chloride
 Concen: 0.306 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: VV039105.D
 Acq: 16 Sep 2025 14:32

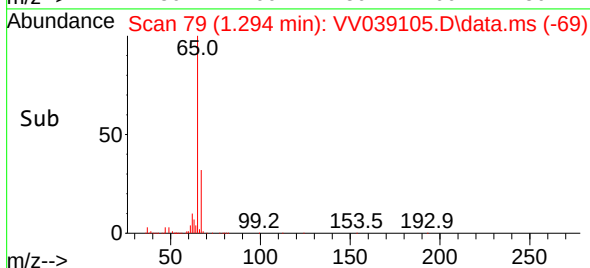
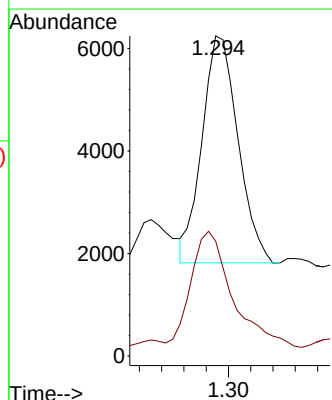
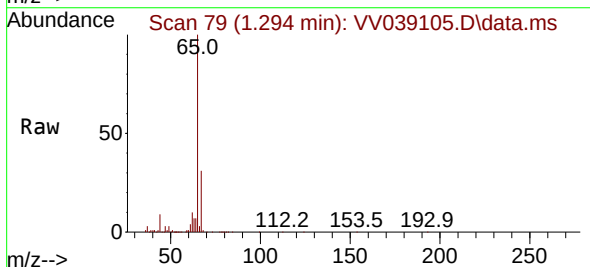
Instrument :
 MSVOA_V
 ClientSampleId :

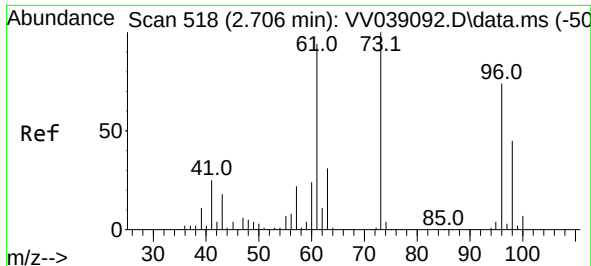
Tgt Ion: 62 Resp: 11844
 Ion Ratio Lower Upper
 62 100
 64 76.7 22.4 41.6#



#8
 Chloroethane
 Concen: 0.206 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. -0.267 min
 Lab File: VV039105.D
 Acq: 16 Sep 2025 14:32

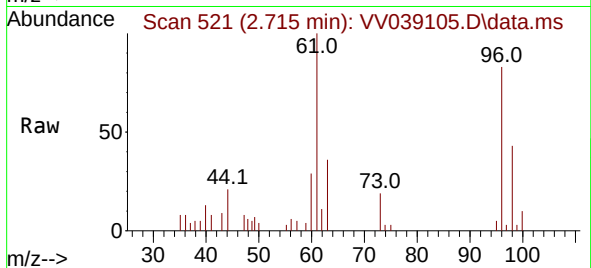
Tgt Ion: 64 Resp: 4956
 Ion Ratio Lower Upper
 64 100
 66 35.9 22.3 41.5





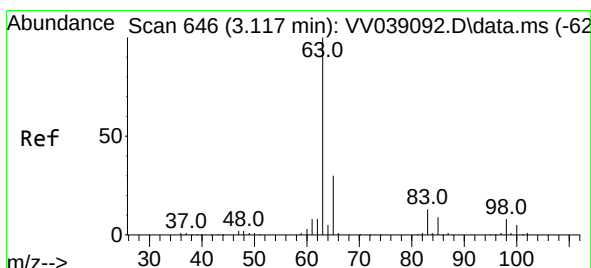
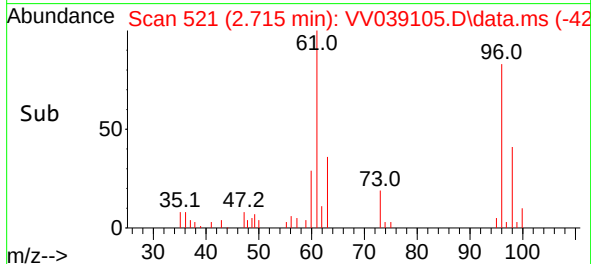
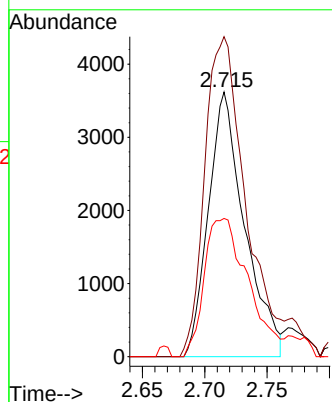
#18
trans-1,2-Dichloroethene
Concen: 0.248 ug/L
RT: 2.715 min Scan# 518
Delta R.T. 0.010 min
Lab File: VV039105.D
Acq: 16 Sep 2025 14:32

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 7319

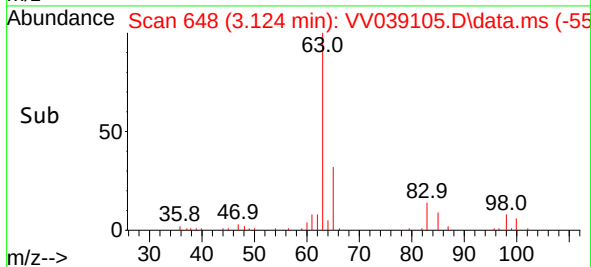
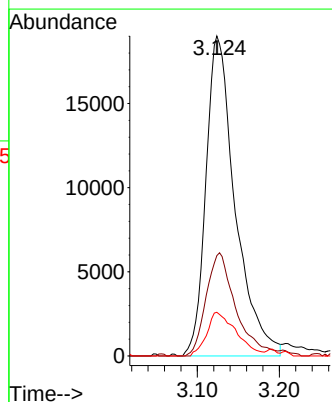
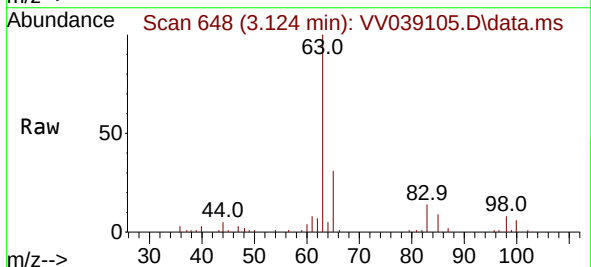
Ion	Ratio	Lower	Upper
96	100		
61	121.0	89.7	166.5
98	52.3	44.9	83.3

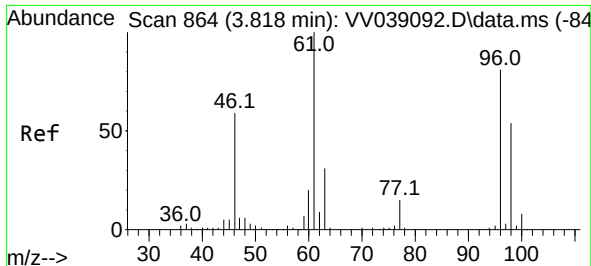


#19
1,1-Dichloroethane
Concen: 0.871 ug/L
RT: 3.124 min Scan# 648
Delta R.T. 0.006 min
Lab File: VV039105.D
Acq: 16 Sep 2025 14:32

Tgt Ion: 63 Resp: 47160

Ion	Ratio	Lower	Upper
63	100		
65	31.4	21.5	39.9
83	13.7	9.2	17.2





#22

cis-1,2-Dichloroethene

Concen: 5.743 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.006 min

Lab File: VV039105.D

Acq: 16 Sep 2025 14:32

Instrument :

MSVOA_V

ClientSampleId :

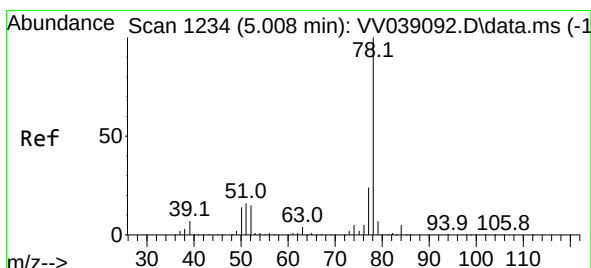
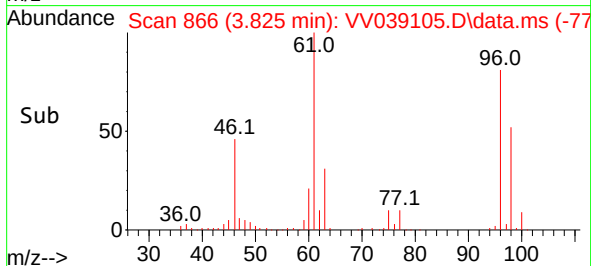
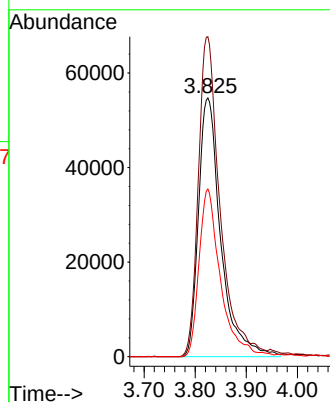
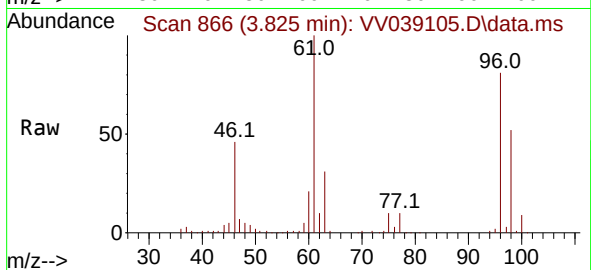
Tgt Ion: 96 Resp: 165501

Ion Ratio Lower Upper

96 100

61 123.7 85.4 158.6

98 64.8 46.6 86.6



#33

Benzene

Concen: 0.111 ug/L

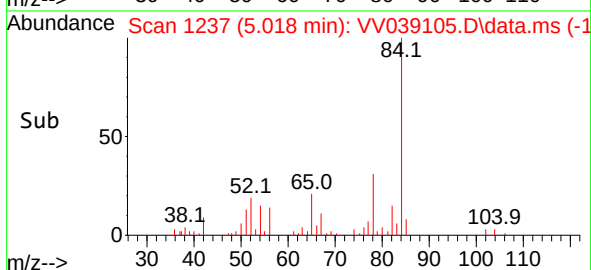
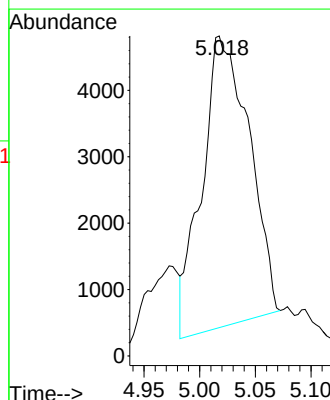
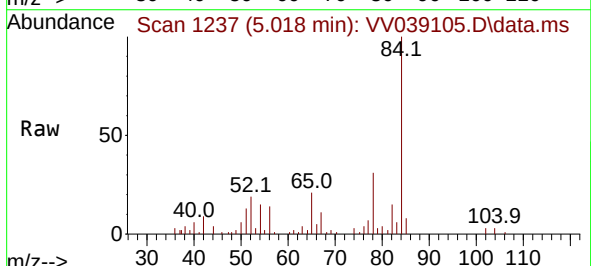
RT: 5.018 min Scan# 1237

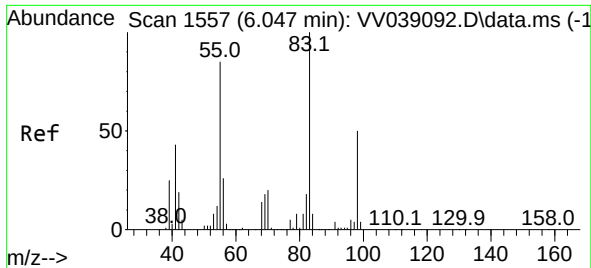
Delta R.T. 0.010 min

Lab File: VV039105.D

Acq: 16 Sep 2025 14:32

Tgt Ion: 78 Resp: 12943

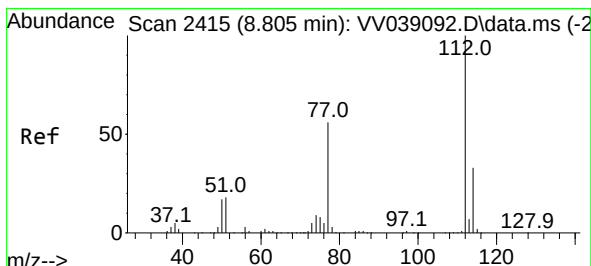
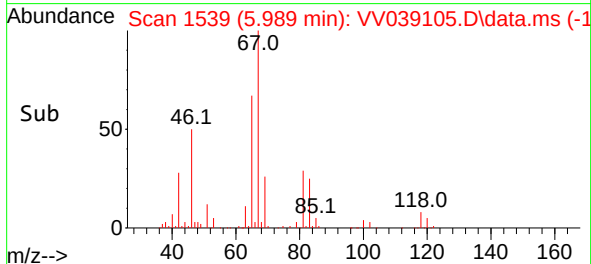
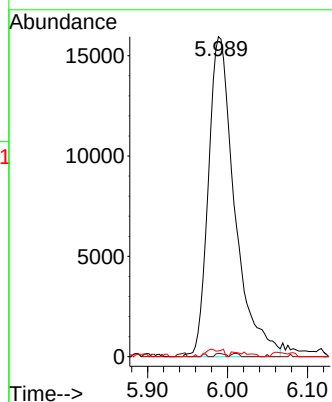
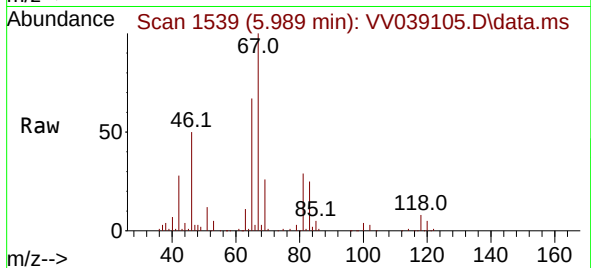




#35
Methylcyclohexane
Concen: 0.743 ug/L
RT: 5.989 min Scan# 11
Delta R.T. -0.058 min
Lab File: VV039105.D
Acq: 16 Sep 2025 14:32

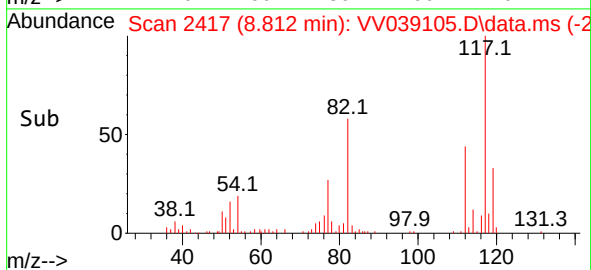
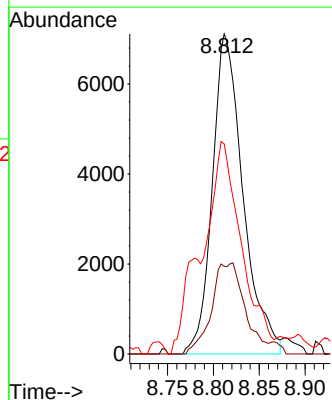
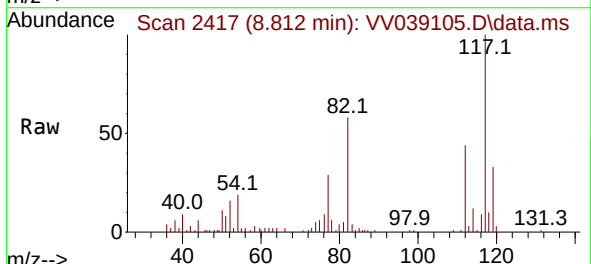
Instrument :
MSVOA_V
ClientSampleId :

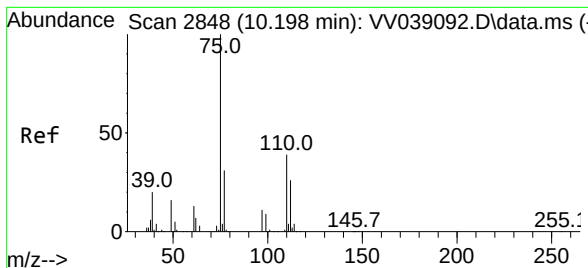
Tgt Ion: 83 Resp: 36458
Ion Ratio Lower Upper
83 100
55 0.4 61.4 92.2#
98 0.9 38.2 57.4#



#51
Chlorobenzene
Concen: 0.212 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.006 min
Lab File: VV039105.D
Acq: 16 Sep 2025 14:32

Tgt Ion: 112 Resp: 16549
Ion Ratio Lower Upper
112 100
114 27.4 23.0 42.6
77 65.7 46.6 69.8





#61

1,2,3-Trichloropropane

Concen: 0.268 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.923 min

Lab File: VV039105.D

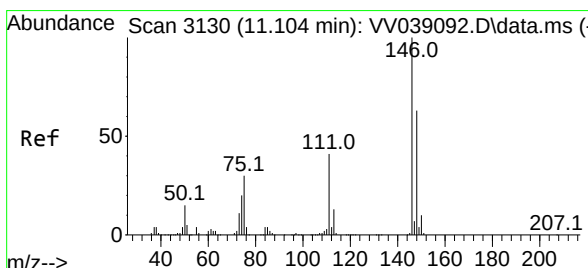
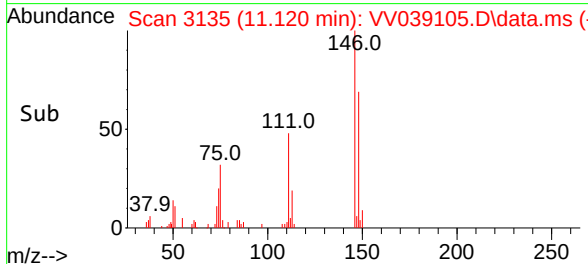
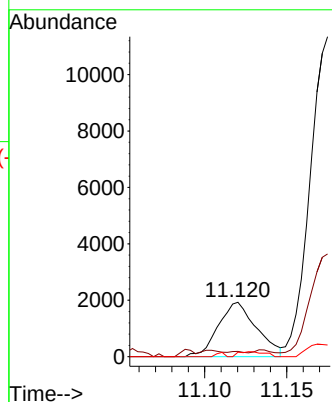
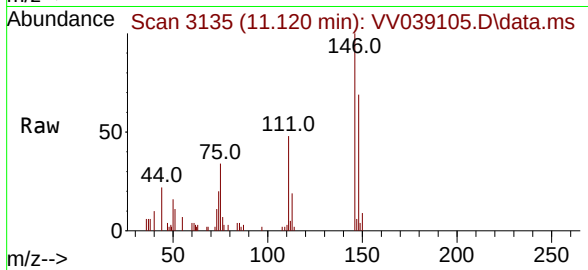
Acq: 16 Sep 2025 14:32

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 75	Resp:	3120
Ion Ratio	Lower	Upper
75	100	
77	0.0	25.1 37.7#
110	6.3	31.0 46.4#



#64

1,3-Dichlorobenzene

Concen: 0.245 ug/L

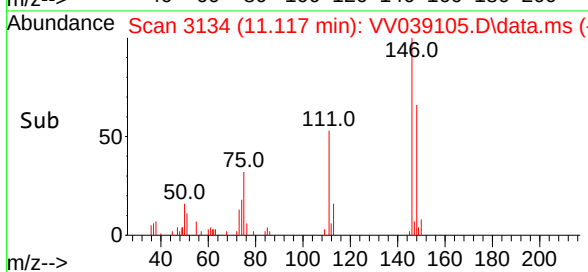
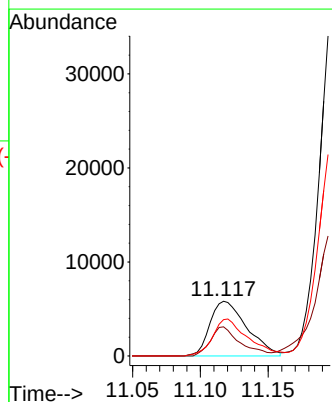
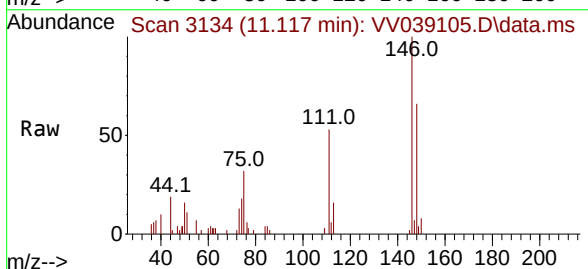
RT: 11.117 min Scan# 3134

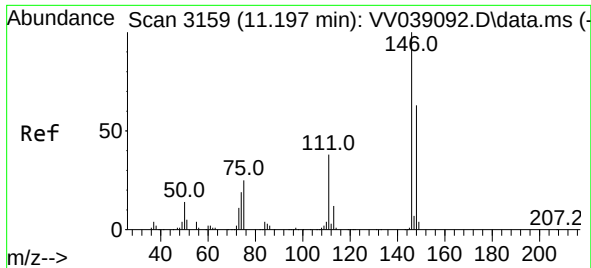
Delta R.T. 0.013 min

Lab File: VV039105.D

Acq: 16 Sep 2025 14:32

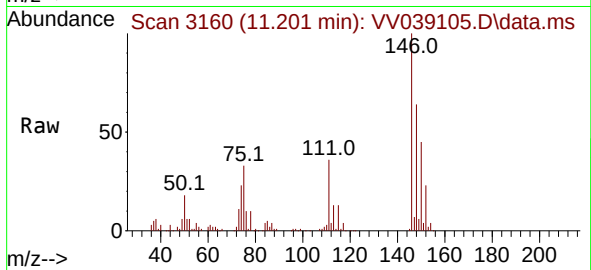
Tgt Ion: 146	Resp:	11036
Ion Ratio	Lower	Upper
146	100	
111	53.2	28.3 52.7#
148	66.4	42.9 79.7





#65
 1,4-Dichlorobenzene
 Concen: 1.482 ug/L
 RT: 11.201 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV039105.D
 Acq: 16 Sep 2025 14:32

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	146	Resp:	69078
Ion Ratio	Lower	Upper	
146	100		
111	35.7	27.2	50.6
148	63.9	43.8	81.4

