

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037561.D
 Acq On : 26 Sep 2024 20:05
 Operator : SY/MD
 Sample : P4184-10
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 00:55:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 00:49:09 2024
 Response via : Initial Calibration

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

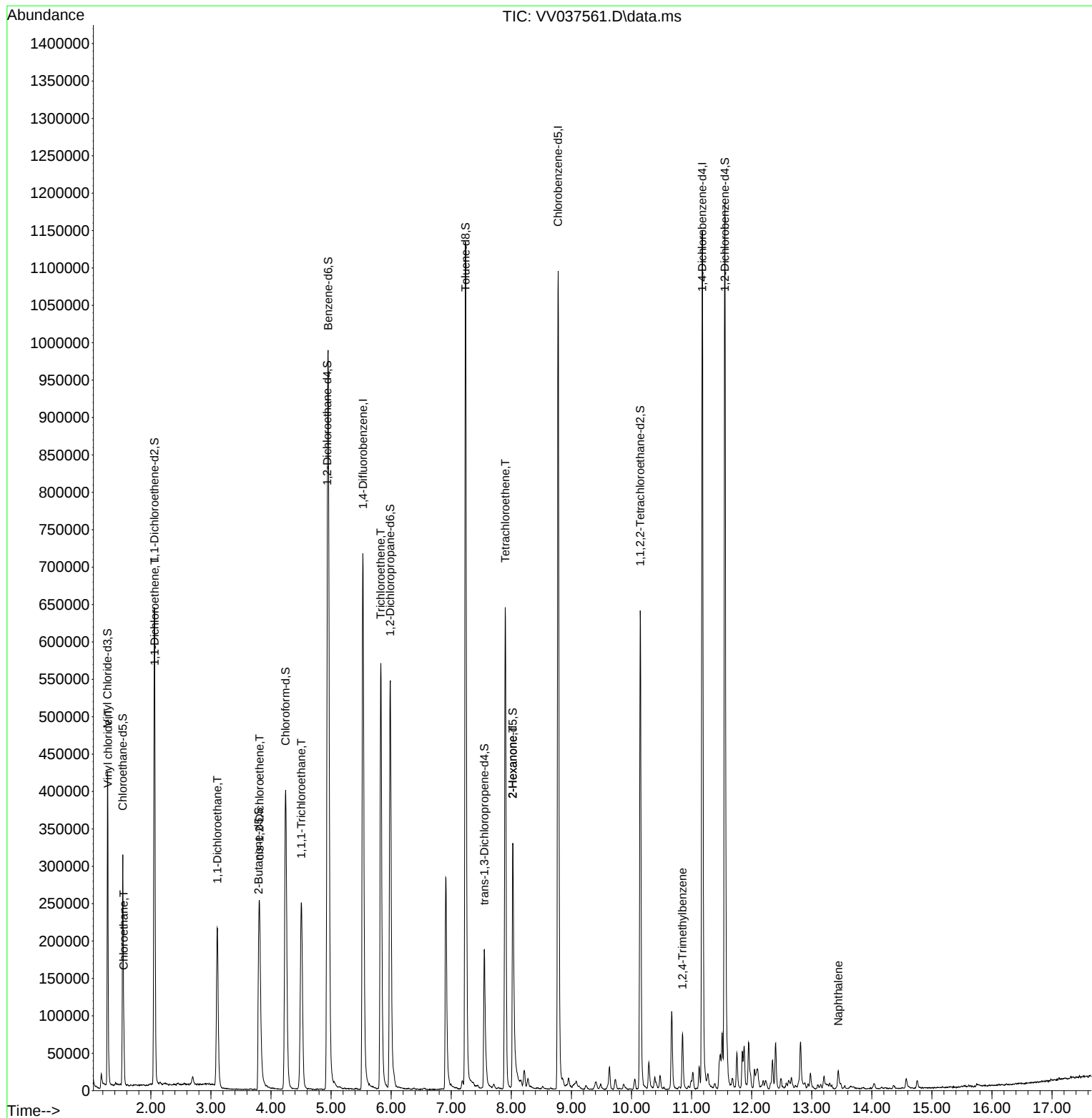
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	628845	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	613283	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	301871	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	244848	44.354	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.700%		
7) Chloroethane-d5	1.532	69	192803	44.996	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.000%		
11) 1,1-Dichloroethene-d2	2.060	65	105225	45.625	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.240%		
21) 2-Butanone-d5	3.793	46	184309	93.738	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.740%		
24) Chloroform-d	4.243	84	435264	44.319	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.640%		
26) 1,2-Dichloroethane-d4	4.937	65	260909	45.387	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.780%		
32) Benzene-d6	4.954	84	872289	45.453	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.900%		
36) 1,2-Dichloropropane-d6	5.986	67	278099	45.508	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.020%		
41) Toluene-d8	7.236	98	768870	44.184	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.360%		
43) trans-1,3-Dichloroprop...	7.551	79	119080	41.948	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.900%		
47) 2-Hexanone-d5	8.024	63	114494	88.729	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.730%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	313337	44.129	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.260%		
66) 1,2-Dichlorobenzene-d4	11.555	152	299145	47.028	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.060%		
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	49445	8.874	ug/L	91
8) Chloroethane	1.549	64	30321	8.829	ug/L	98
12) 1,1-Dichloroethene	2.066	96	10048	2.400	ug/L #	1
19) 1,1-Dichloroethane	3.105	63	209001	24.630	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	97653	19.703	ug/L	97
30) 1,1,1-Trichloroethane	4.507	97	212092	28.079	ug/L	100
34) Trichloroethene	5.828	95	207320	42.090	ug/L	98
46) Tetrachloroethene	7.899	164	144021	38.242	ug/L	99
48) 2-Hexanone	8.024	43	13356	4.417	ug/L #	78
63) 1,2,4-Trimethylbenzene	10.850	105	41868	2.712	ug/L	100
71) Naphthalene	13.442	128	22151	1.407	ug/L	96

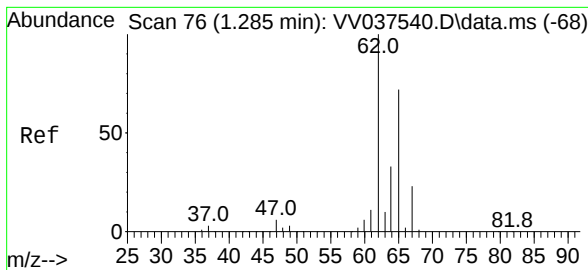
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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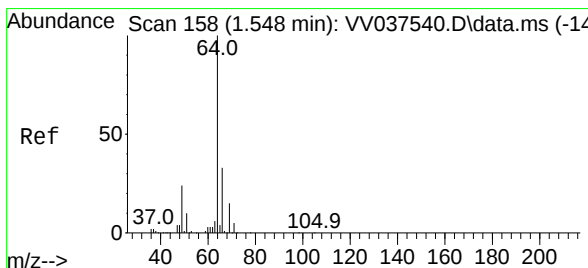
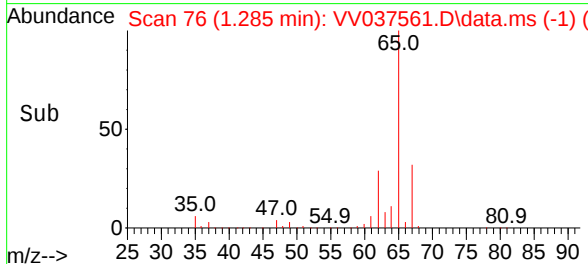
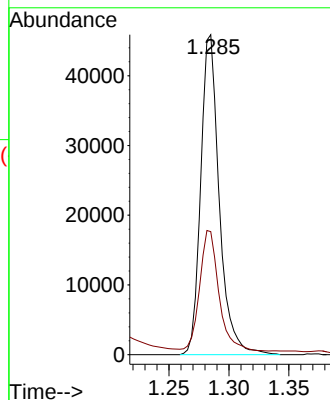
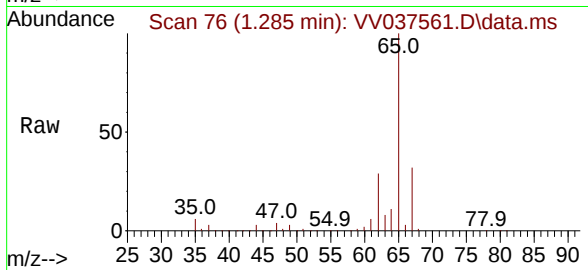




#5
 Vinyl chloride
 Concen: 8.874 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV037561.D
 Acq: 26 Sep 2024 20:05

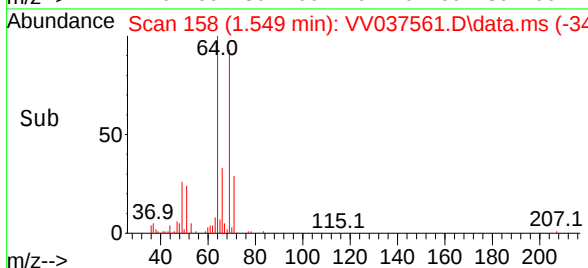
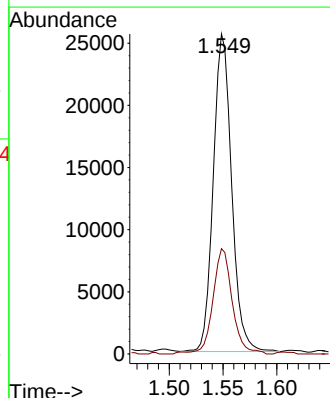
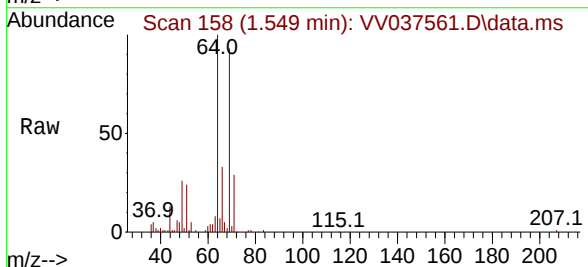
Instrument :
 MSVOA_V
 ClientSampleId :

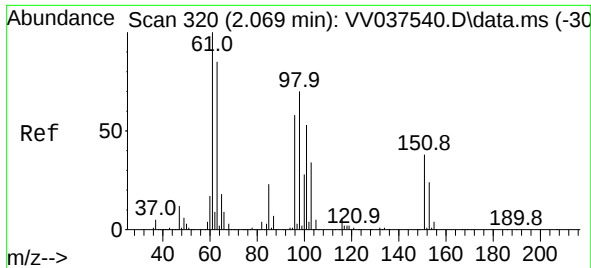
Tgt Ion: 62 Resp: 49445
 Ion Ratio Lower Upper
 62 100
 64 38.4 23.2 43.0



#8
 Chloroethane
 Concen: 8.829 ug/L
 RT: 1.549 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VV037561.D
 Acq: 26 Sep 2024 20:05

Tgt Ion: 64 Resp: 30321
 Ion Ratio Lower Upper
 64 100
 66 32.9 22.2 41.2





#12

1,1-Dichloroethene

Concen: 2.400 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

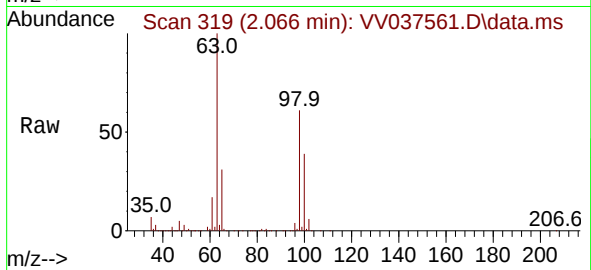
Lab File: VV037561.D

Acq: 26 Sep 2024 20:05

Instrument :

MSVOA_V

ClientSampleId :



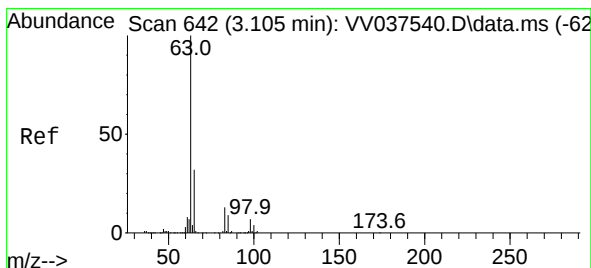
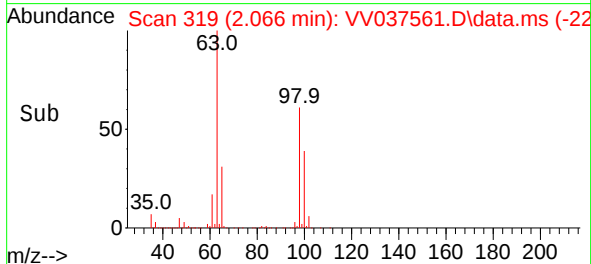
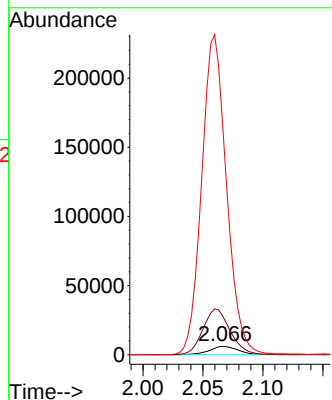
Tgt Ion: 96 Resp: 10048

Ion Ratio Lower Upper

96 100

61 469.4 122.6 227.6#

63 2808.1 118.0 219.2#



#19

1,1-Dichloroethane

Concen: 24.630 ug/L

RT: 3.105 min Scan# 642

Delta R.T. 0.000 min

Lab File: VV037561.D

Acq: 26 Sep 2024 20:05

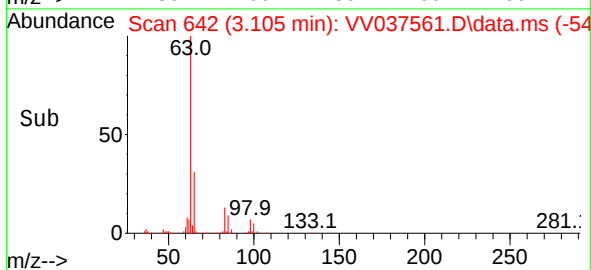
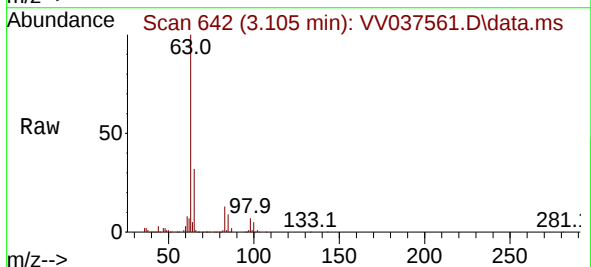
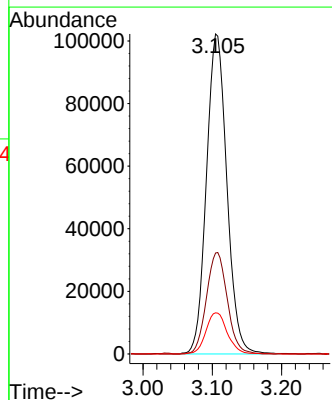
Tgt Ion: 63 Resp: 209001

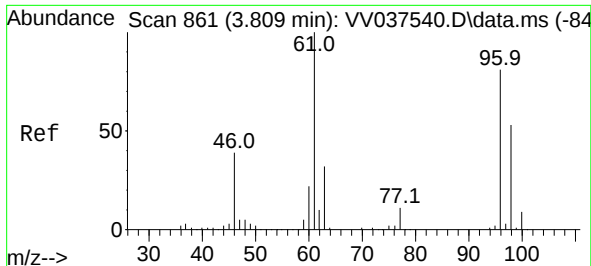
Ion Ratio Lower Upper

63 100

65 31.5 22.4 41.6

83 12.9 9.5 17.7

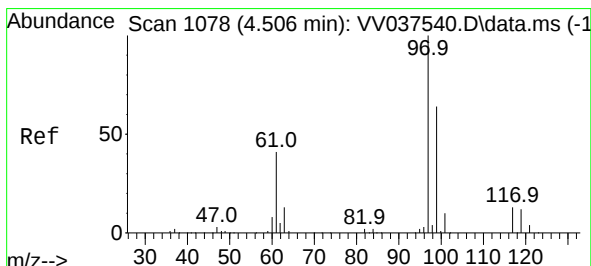
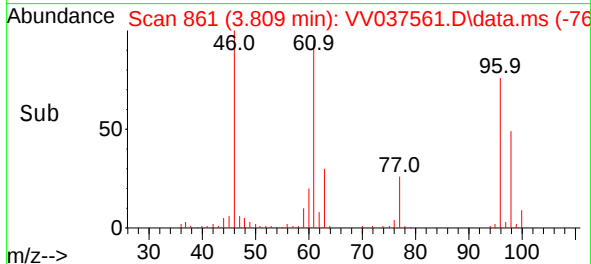
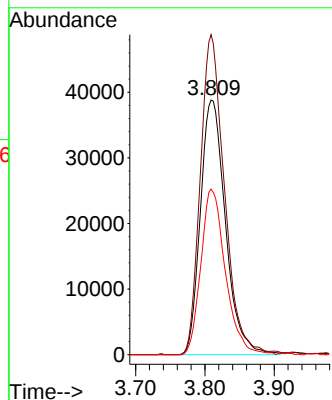
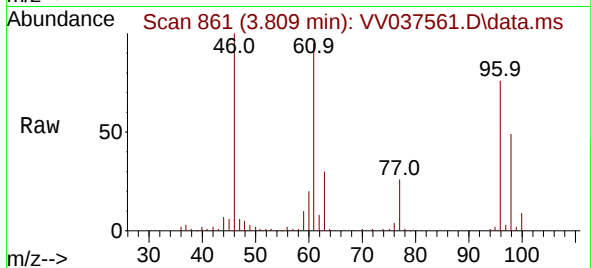




#20
 cis-1,2-Dichloroethene
 Concen: 19.703 ug/L
 RT: 3.809 min Scan# 861
 Delta R.T. 0.000 min
 Lab File: VV037561.D
 Acq: 26 Sep 2024 20:05

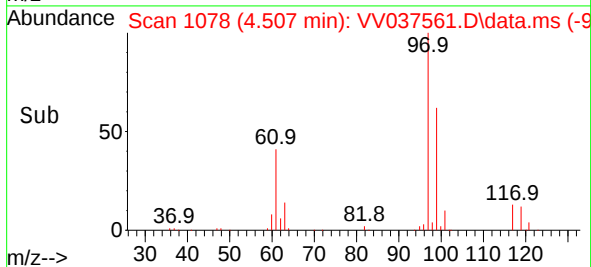
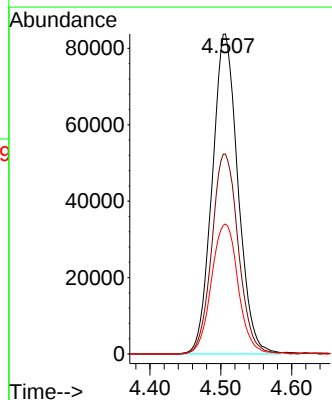
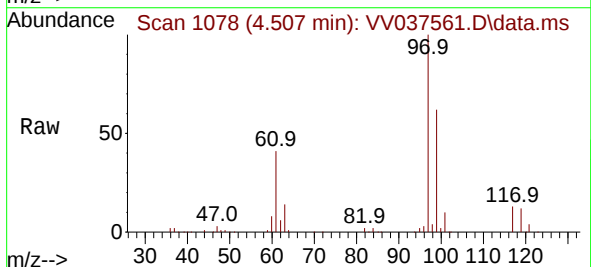
Instrument :
 MSVOA_V
 ClientSampleId :

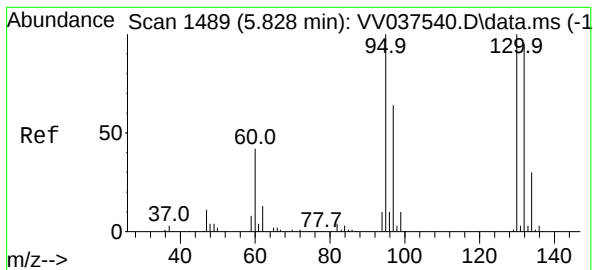
Tgt Ion: 96 Resp: 97653
 Ion Ratio Lower Upper
 96 100
 61 125.6 85.0 157.8
 98 65.0 44.2 82.0



#30
 1,1,1-Trichloroethane
 Concen: 28.079 ug/L
 RT: 4.507 min Scan# 1078
 Delta R.T. 0.000 min
 Lab File: VV037561.D
 Acq: 26 Sep 2024 20:05

Tgt Ion: 97 Resp: 212092
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.8 77.6
 61 42.1 33.6 50.4





#34

Trichloroethene

Concen: 42.090 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV037561.D

Acq: 26 Sep 2024 20:05

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 207320

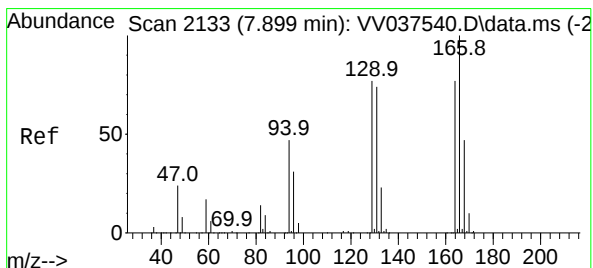
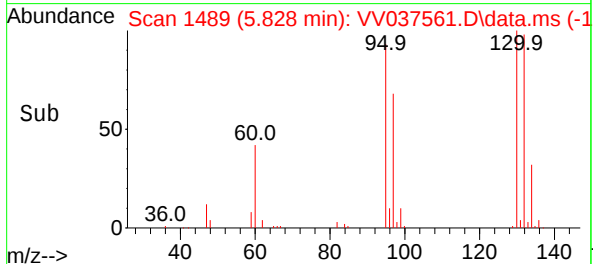
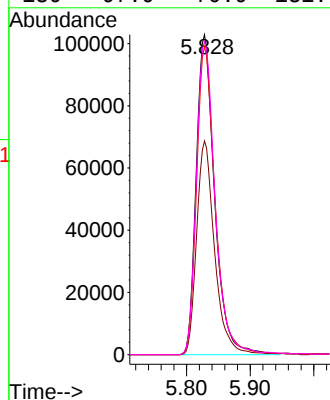
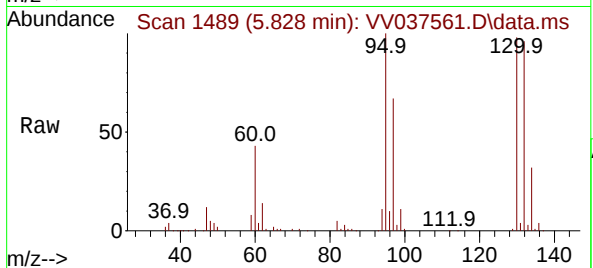
Ion Ratio Lower Upper

95 100

97 66.8 46.3 85.9

132 96.3 68.6 127.4

130 97.9 70.9 131.7



#46

Tetrachloroethene

Concen: 38.242 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV037561.D

Acq: 26 Sep 2024 20:05

Tgt Ion:164 Resp: 144021

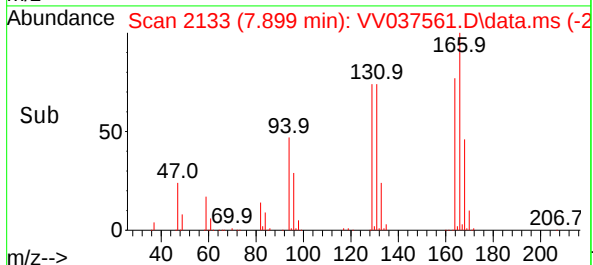
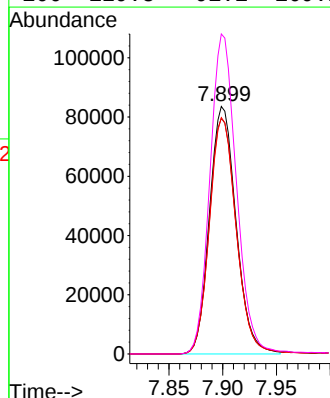
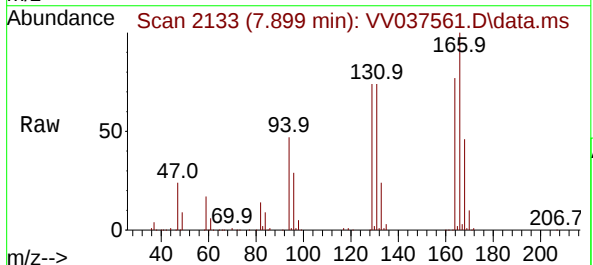
Ion Ratio Lower Upper

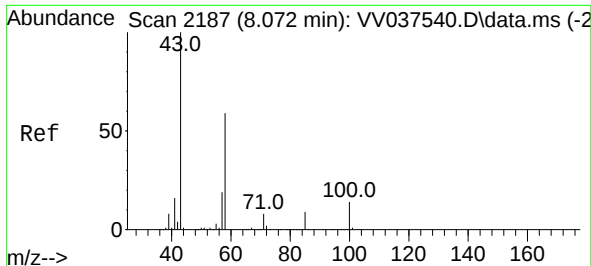
164 100

129 95.2 68.2 126.6

131 95.4 66.1 122.8

166 129.3 91.1 169.1

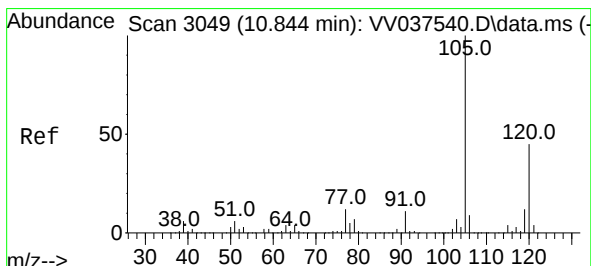
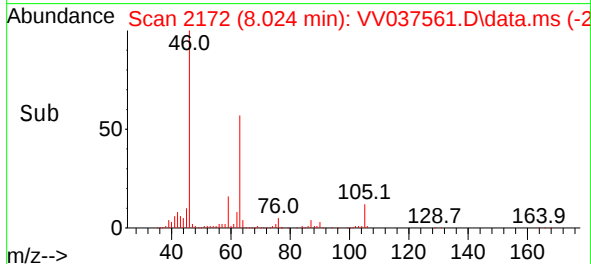
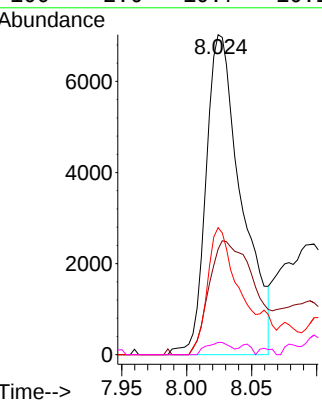
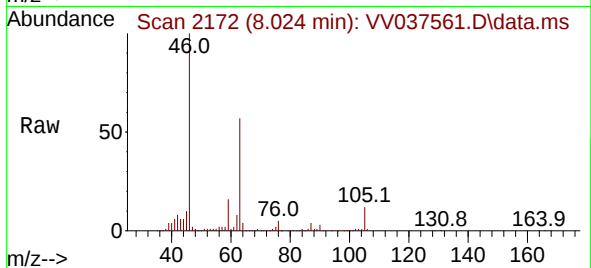




#48
2-Hexanone
Concen: 4.417 ug/L
RT: 8.024 min Scan# 2187
Delta R.T. -0.048 min
Lab File: VV037561.D
Acq: 26 Sep 2024 20:05

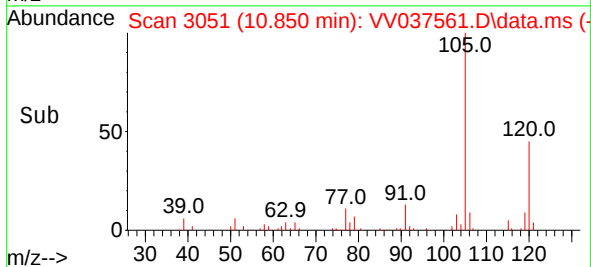
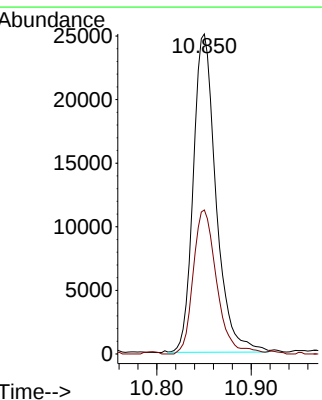
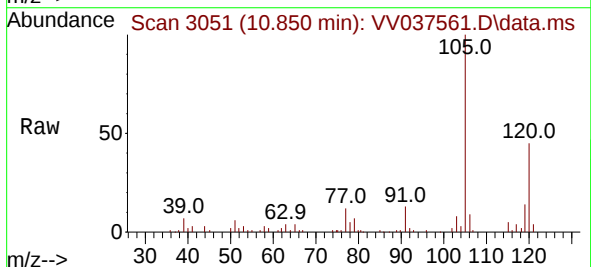
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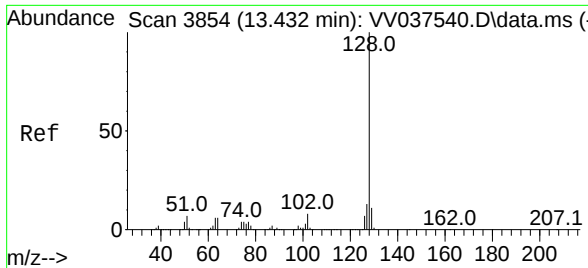
Tgt Ion: 43	Resp: 13356
Ion Ratio	Lower Upper
43 100	
58 45.8	46.5 69.7#
57 34.3	15.1 22.7#
100 2.6	10.7 16.1#



#63
1,2,4-Trimethylbenzene
Concen: 2.712 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.007 min
Lab File: VV037561.D
Acq: 26 Sep 2024 20:05

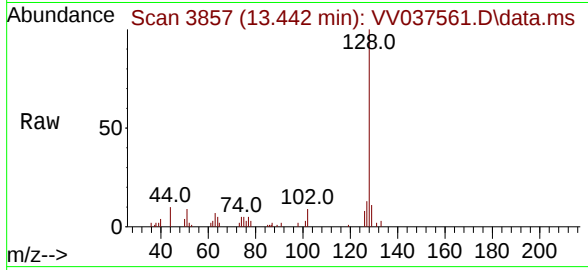
Tgt Ion:105	Resp: 41868		
Ion Ratio	Lower	Upper	
105 100			
120 45.5	36.2	54.2	





#71
Naphthalene
Concen: 1.407 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.010 min
Lab File: VV037561.D
Acq: 26 Sep 2024 20:05

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	22151
Ion Ratio	Lower	Upper	
128	100		
127	11.7	10.2	15.4
129	12.6	8.5	12.7

