

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037557.D
 Acq On : 26 Sep 2024 18:38
 Operator : SY/MD
 Sample : P4184-06
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 00:54:32 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)

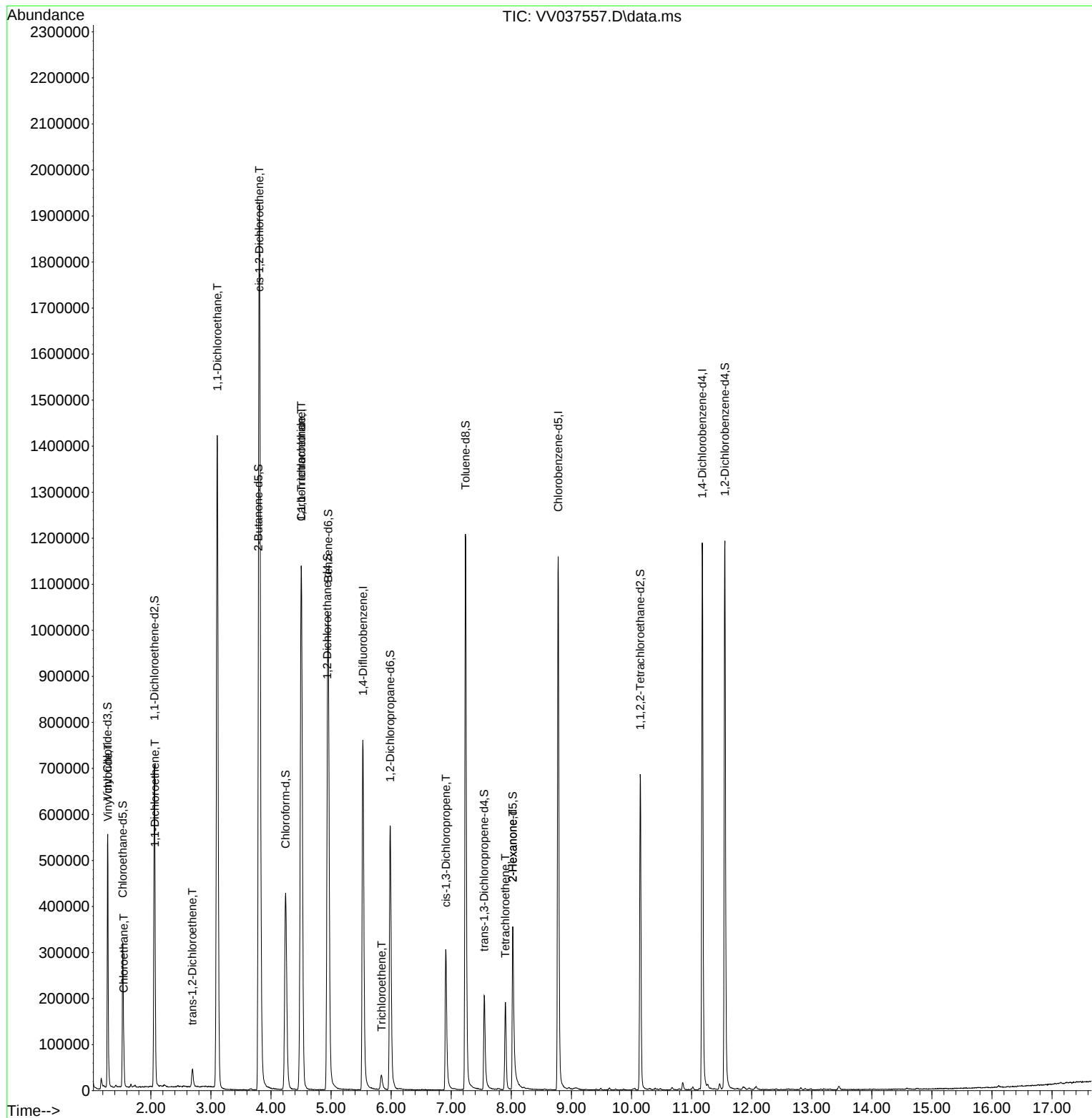
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	683169	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	646752	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	311089	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	263527	43.942	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.880%		
7) Chloroethane-d5	1.532	69	205412	44.127	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.260%		
11) 1,1-Dichloroethene-d2	2.060	65	113436	45.274	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.540%		
21) 2-Butanone-d5	3.790	46	203418	95.230	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.230%		
24) Chloroform-d	4.243	84	458594	42.981	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.960%		
26) 1,2-Dichloroethane-d4	4.937	65	275682	44.143	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.280%		
32) Benzene-d6	4.953	84	926398	45.775	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.540%		
36) 1,2-Dichloropropane-d6	5.982	67	289739	44.960	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.920%		
41) Toluene-d8	7.236	98	818754	44.615	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.240%		
43) trans-1,3-Dichloroprop...	7.548	79	128088	42.786	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.580%		
47) 2-Hexanone-d5	8.024	63	125693	92.367	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.370%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	332757	44.439	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.880%		
66) 1,2-Dichlorobenzene-d4	11.555	152	309429	47.203	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.400%		
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	120832	19.962	ug/L	97
8) Chloroethane	1.548	64	33812	9.063	ug/L	93
12) 1,1-Dichloroethene	2.069	96	18492	4.066	ug/L #	1
17) trans-1,2-Dichloroethene	2.690	96	13514	2.809	ug/L	95
19) 1,1-Dichloroethane	3.105	63	1403702	152.265	ug/L	100
20) cis-1,2-Dichloroethene	3.806	96	1041225	193.378	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	958357	120.312	ug/L	99
31) Carbon tetrachloride	4.503	117	123110	17.777	ug/L	97
34) Trichloroethene	5.841	95	10317	1.986	ug/L	93
39) cis-1,3-Dichloropropene	6.912	75	7449	0.926	ug/L #	51
46) Tetrachloroethene	7.902	164	43198	10.877	ug/L	97
48) 2-Hexanone	8.024	43	13714	4.301	ug/L #	82

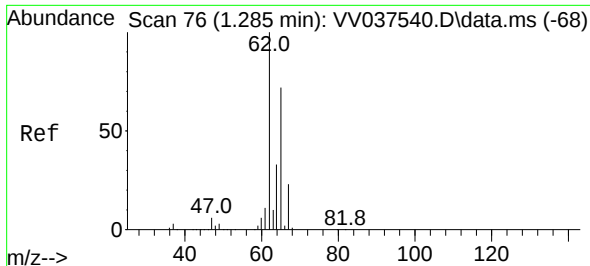
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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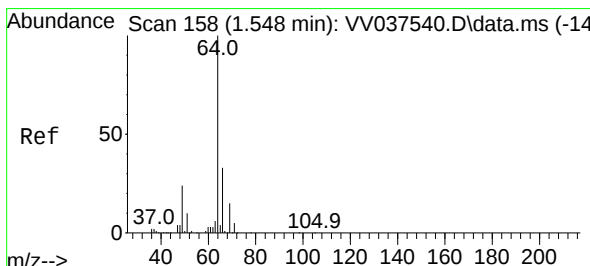
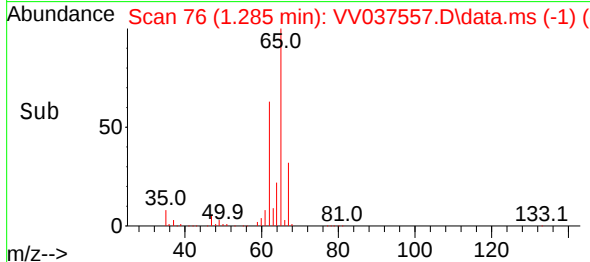
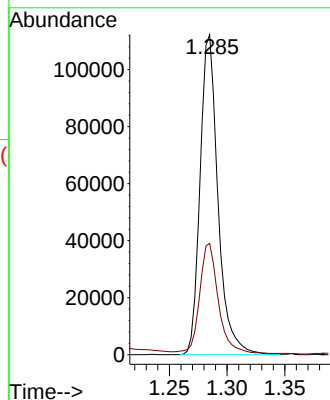
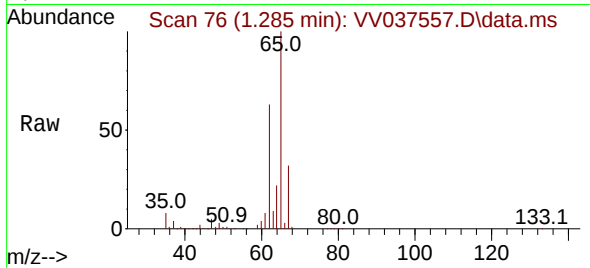




#5
 Vinyl chloride
 Concen: 19.962 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV037557.D
 Acq: 26 Sep 2024 18:38

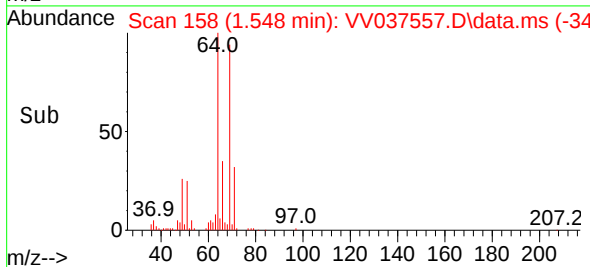
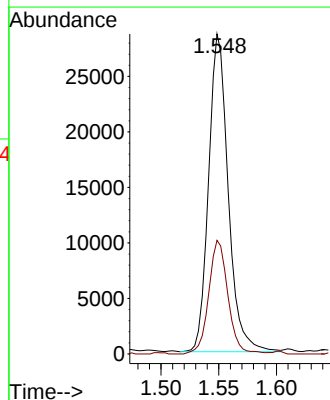
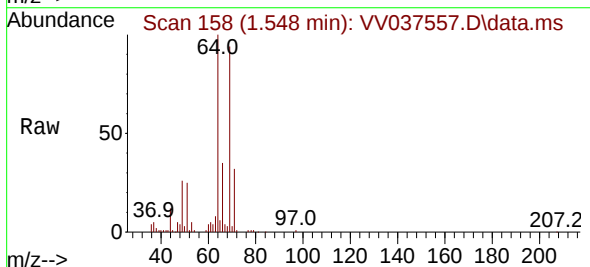
Instrument :
 MSVOA_V
 ClientSampleId :

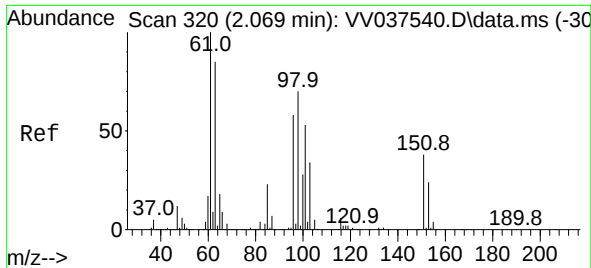
Tgt Ion: 62 Resp: 120832
 Ion Ratio Lower Upper
 62 100
 64 34.8 23.2 43.0



#8
 Chloroethane
 Concen: 9.063 ug/L
 RT: 1.548 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VV037557.D
 Acq: 26 Sep 2024 18:38

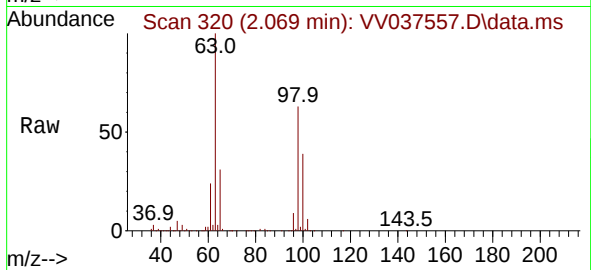
Tgt Ion: 64 Resp: 33812
 Ion Ratio Lower Upper
 64 100
 66 35.5 22.2 41.2



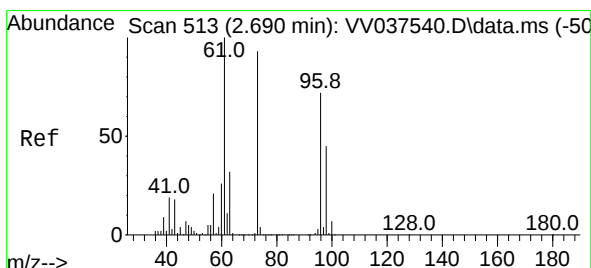
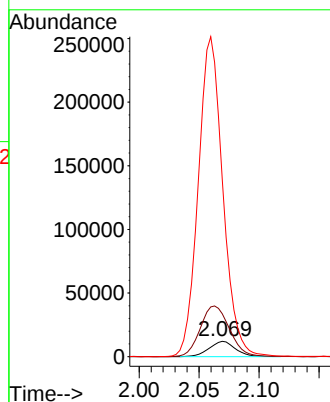
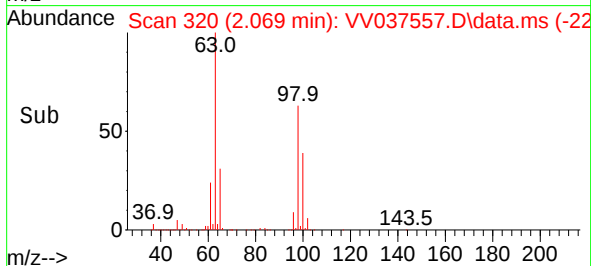


#12
1,1-Dichloroethene
Concen: 4.066 ug/L
RT: 2.069 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV037557.D
Acq: 26 Sep 2024 18:38

Instrument :
MSVOA_V
ClientSampleId :

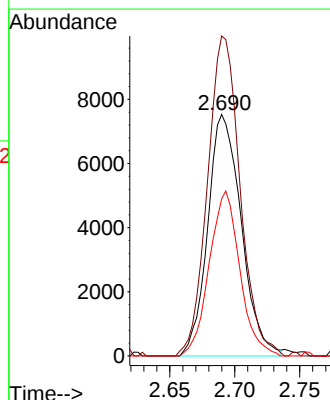
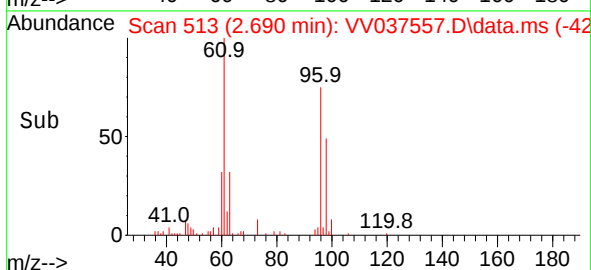
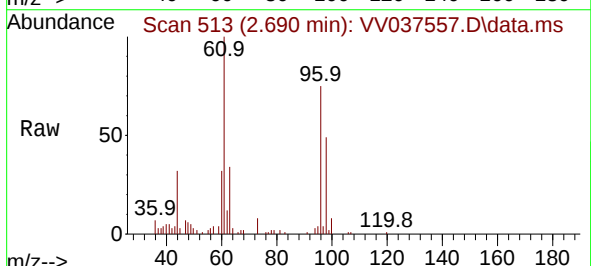


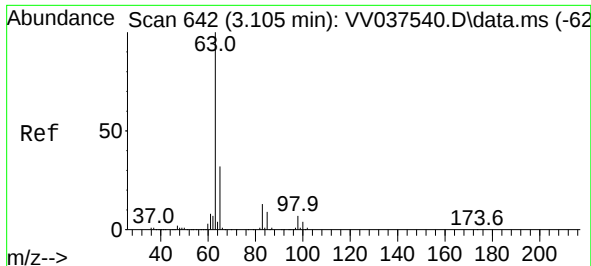
Tgt Ion: 96 Resp: 18492
Ion Ratio Lower Upper
96 100
61 279.2 122.6 227.6#
63 1151.6 118.0 219.2#



#17
trans-1,2-Dichloroethene
Concen: 2.809 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.000 min
Lab File: VV037557.D
Acq: 26 Sep 2024 18:38

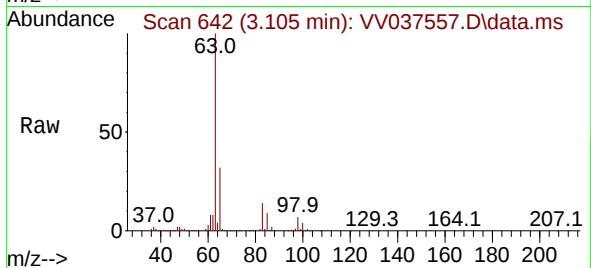
Tgt Ion: 96 Resp: 13514
Ion Ratio Lower Upper
96 100
61 132.5 97.3 180.7
98 65.1 43.9 81.5





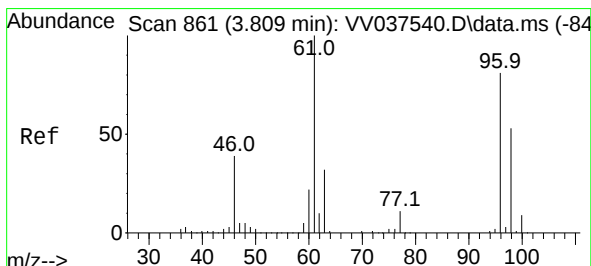
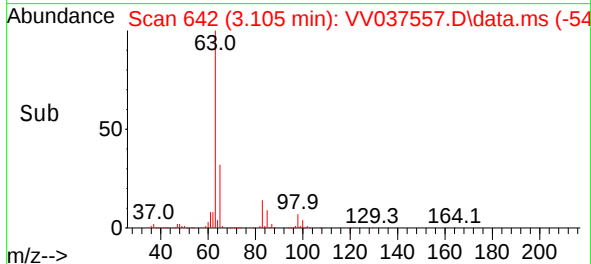
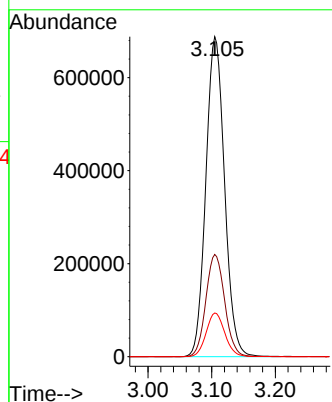
#19
1,1-Dichloroethane
Concen: 152.265 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV037557.D
Acq: 26 Sep 2024 18:38

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 63 Resp: 1403702

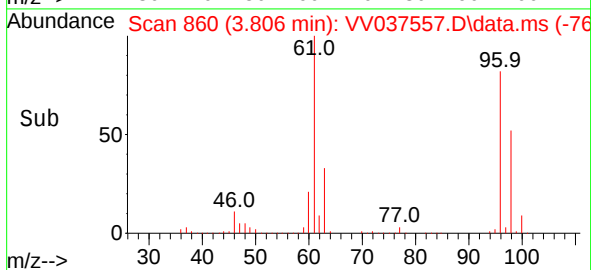
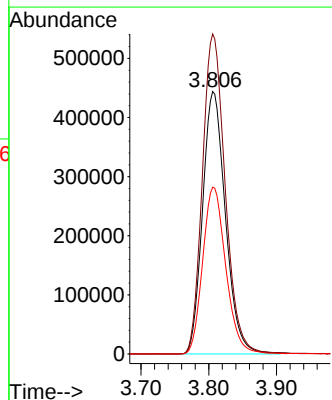
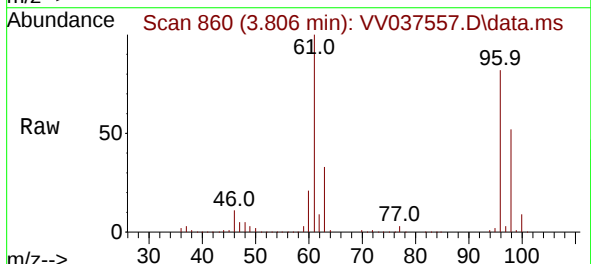
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.4	41.6
83	13.7	9.5	17.7

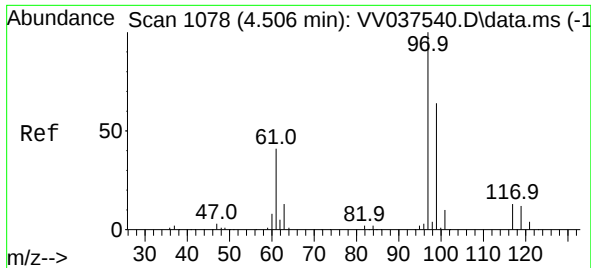


#20
cis-1,2-Dichloroethene
Concen: 193.378 ug/L
RT: 3.806 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV037557.D
Acq: 26 Sep 2024 18:38

Tgt Ion: 96 Resp: 1041225

Ion	Ratio	Lower	Upper
96	100		
61	121.9	85.0	157.8
98	63.5	44.2	82.0

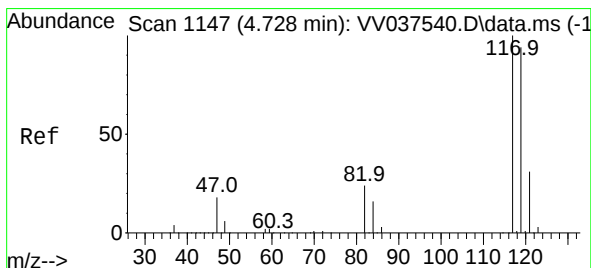
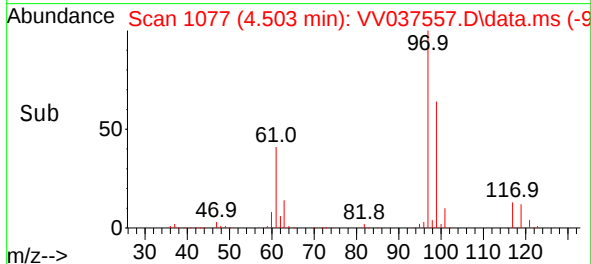
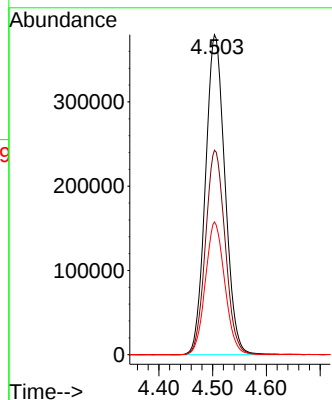
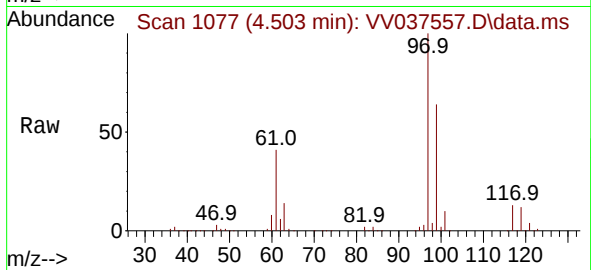




#30
1,1,1-Trichloroethane
Concen: 120.312 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. -0.003 min
Lab File: VV037557.D
Acq: 26 Sep 2024 18:38

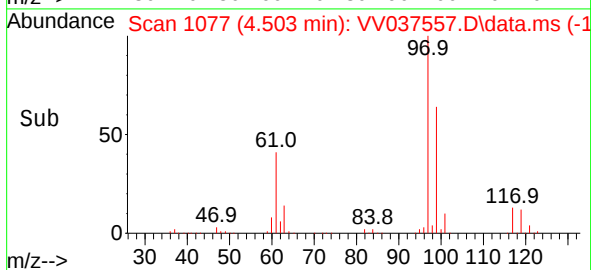
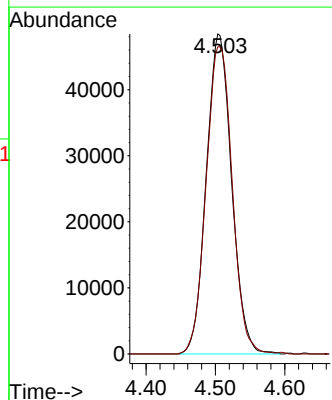
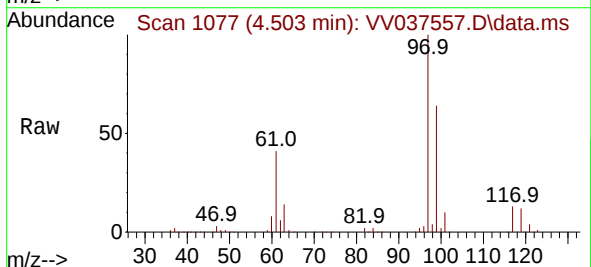
Instrument :
MSVOA_V
ClientSampleId :

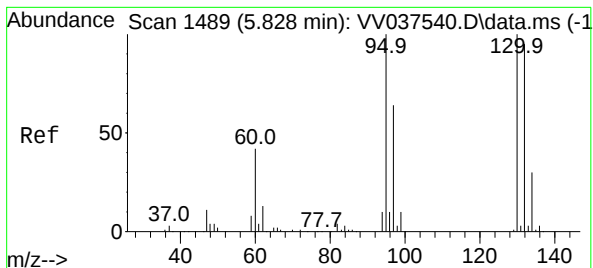
Tgt Ion: 97 Resp: 958357
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.6
61 41.3 33.6 50.4



#31
Carbon tetrachloride
Concen: 17.777 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. -0.225 min
Lab File: VV037557.D
Acq: 26 Sep 2024 18:38

Tgt Ion: 117 Resp: 123110
Ion Ratio Lower Upper
117 100
119 99.0 76.9 115.3





#34

Trichloroethene

Concen: 1.986 ug/L

RT: 5.841 min Scan# 1489

Delta R.T. 0.013 min

Lab File: VV037557.D

Acq: 26 Sep 2024 18:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 10317

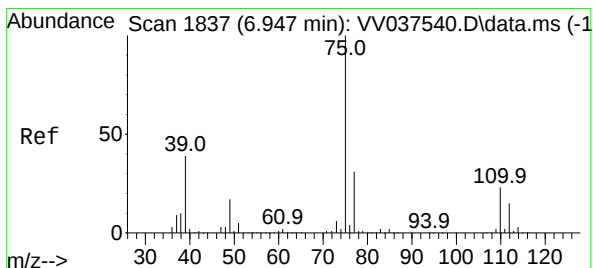
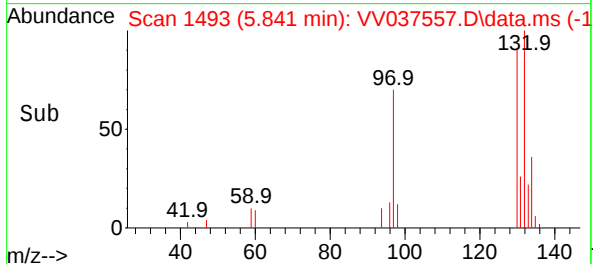
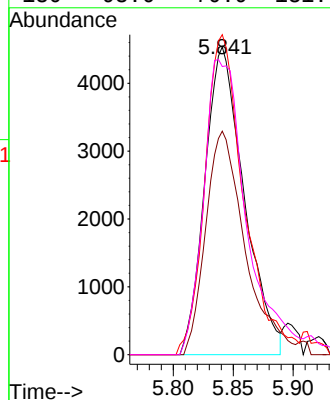
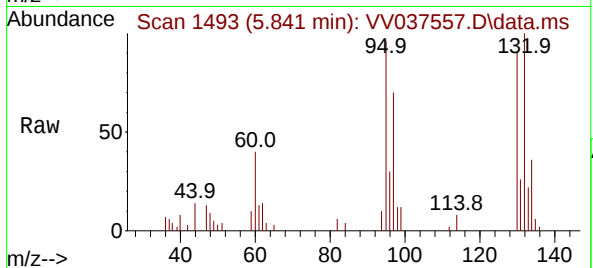
Ion Ratio Lower Upper

95 100

97 72.6 46.3 85.9

132 103.9 68.6 127.4

130 93.6 70.9 131.7



#39

cis-1,3-Dichloropropene

Concen: 0.926 ug/L

RT: 6.912 min Scan# 1826

Delta R.T. -0.035 min

Lab File: VV037557.D

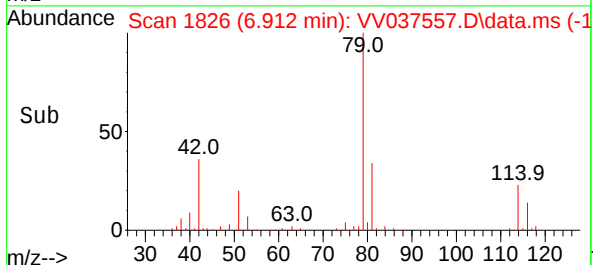
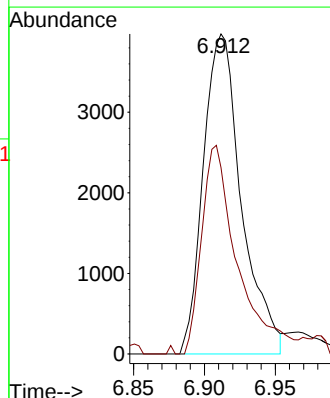
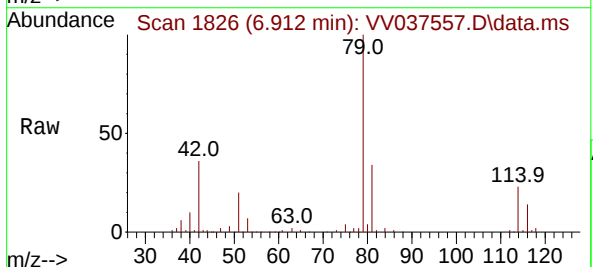
Acq: 26 Sep 2024 18:38

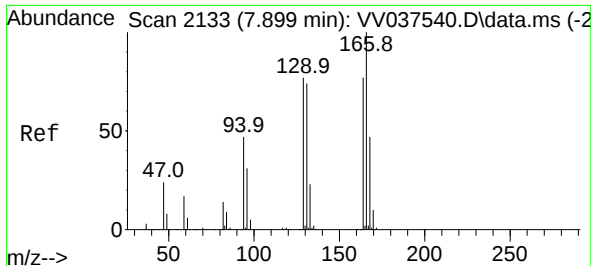
Tgt Ion: 75 Resp: 7449

Ion Ratio Lower Upper

75 100

77 58.3 21.8 40.4#





#46

Tetrachloroethene

Concen: 10.877 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

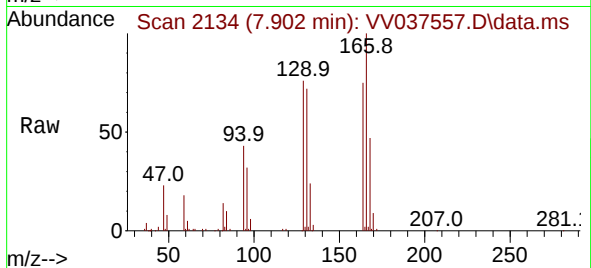
Lab File: VV037557.D

Acq: 26 Sep 2024 18:38

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 43198

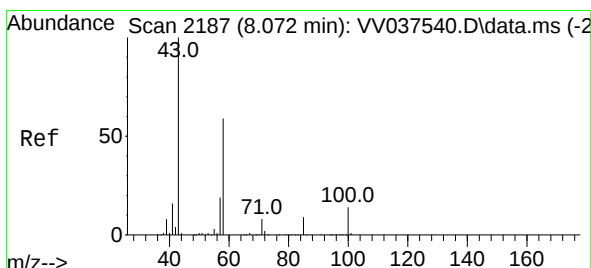
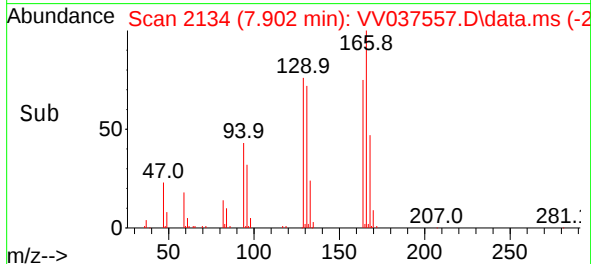
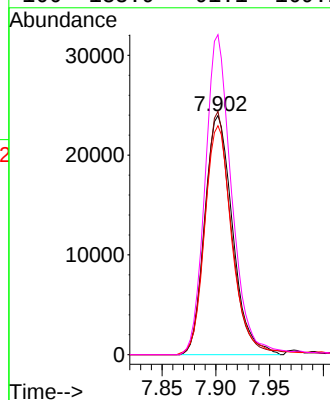
Ion Ratio Lower Upper

164 100

129 101.8 68.2 126.6

131 95.8 66.1 122.8

166 133.9 91.1 169.1



#48

2-Hexanone

Concen: 4.301 ug/L

RT: 8.024 min Scan# 2172

Delta R.T. -0.048 min

Lab File: VV037557.D

Acq: 26 Sep 2024 18:38

Tgt Ion: 43 Resp: 13714

Ion Ratio Lower Upper

43 100

58 50.8 46.5 69.7

57 34.9 15.1 22.7#

100 0.6 10.7 16.1#

