

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037552.D
 Acq On : 26 Sep 2024 16:49
 Operator : SY/MD
 Sample : P4184-01
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 00:52:48 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)

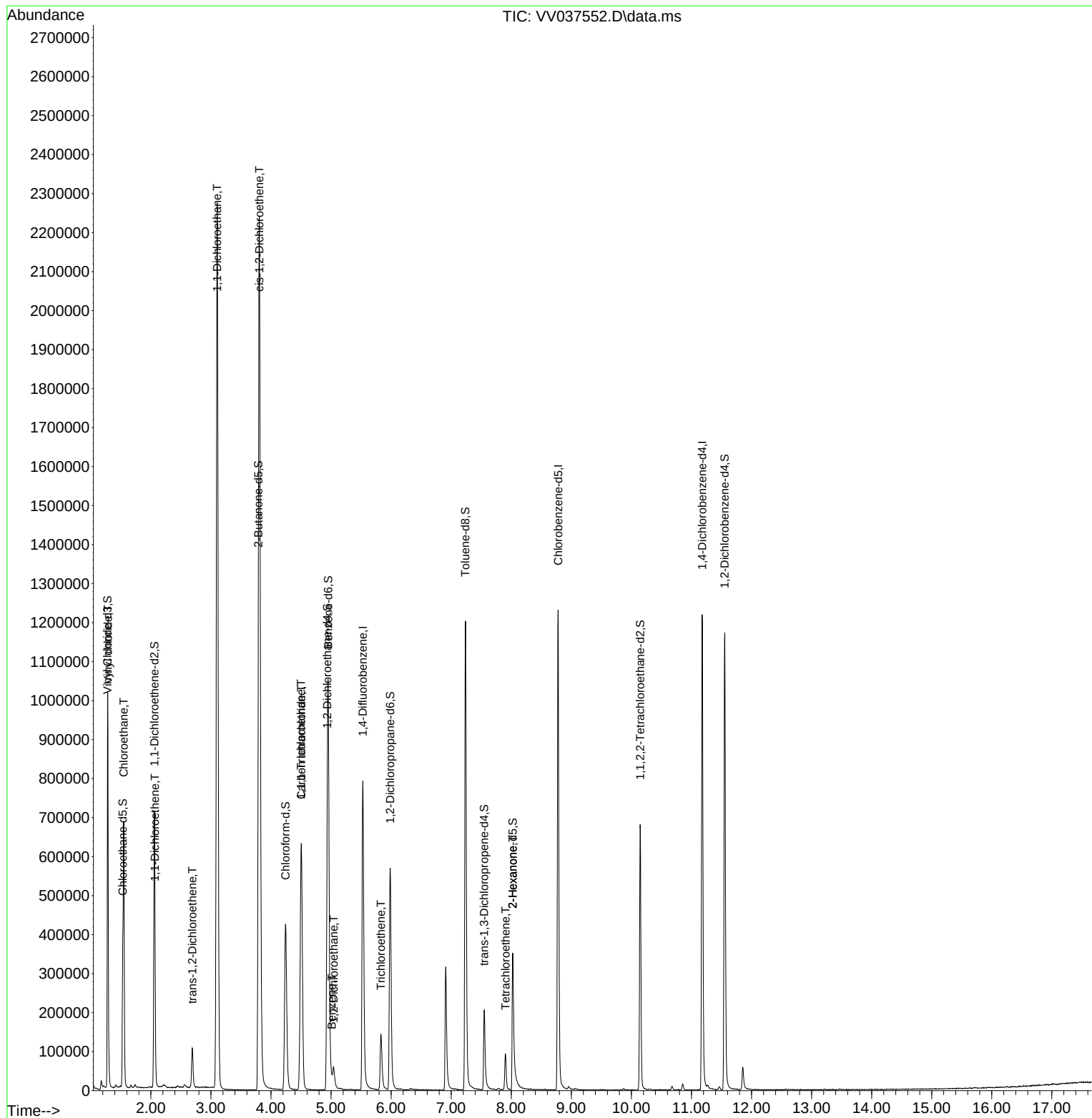
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	707506	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	670715	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	317862	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	272350	43.851	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.700%		
7) Chloroethane-d5	1.532	69	206451	42.824	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.640%		
11) 1,1-Dichloroethene-d2	2.060	65	114408	44.091	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.180%		
21) 2-Butanone-d5	3.789	46	205127	92.727	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.730%		
24) Chloroform-d	4.243	84	461281	41.746	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.500%		
26) 1,2-Dichloroethane-d4	4.937	65	278682	43.088	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.180%		
32) Benzene-d6	4.953	84	933634	44.484	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.960%		
36) 1,2-Dichloropropane-d6	5.986	67	292321	43.740	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.480%		
41) Toluene-d8	7.236	98	822558	43.221	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.440%		
43) trans-1,3-Dichloroprop...	7.548	79	128455	41.376	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.760%		
47) 2-Hexanone-d5	8.024	63	123995	87.864	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.860%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	328684	42.327	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.660%		
66) 1,2-Dichlorobenzene-d4	11.554	152	308219	46.017	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.040%		
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	425395	67.858	ug/L	98
8) Chloroethane	1.548	64	374798	97.001	ug/L	98
12) 1,1-Dichloroethene	2.069	96	18297	3.885	ug/L #	1
17) trans-1,2-Dichloroethene	2.690	96	36457	7.316	ug/L	99
19) 1,1-Dichloroethane	3.105	63	2256164	236.317	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	1213650	217.648	ug/L	99
27) 1,2-Dichloroethane	5.043	62	45228	6.481	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	532592	64.473	ug/L	100
31) Carbon tetrachloride	4.507	117	70666	9.839	ug/L	99
33) Benzene	5.011	78	23793	1.176	ug/L	100
34) Trichloroethene	5.831	95	52323	9.713	ug/L	98
46) Tetrachloroethene	7.905	164	22043	5.352	ug/L	94
48) 2-Hexanone	8.024	43	15669	4.738	ug/L #	68

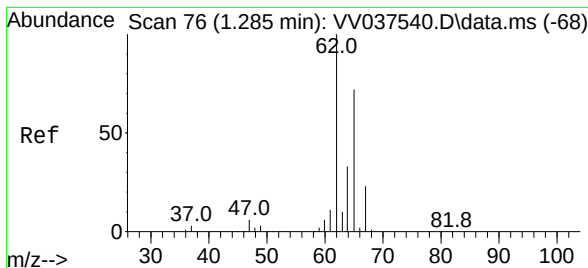
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 67.858 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV037552.D

Acq: 26 Sep 2024 16:49

Instrument :

MSVOA_V

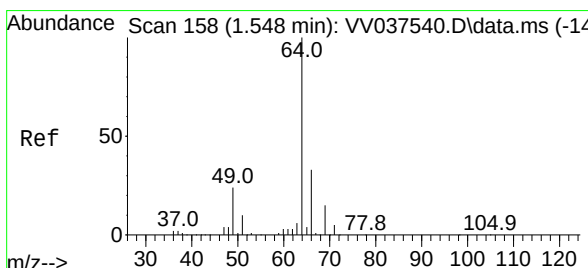
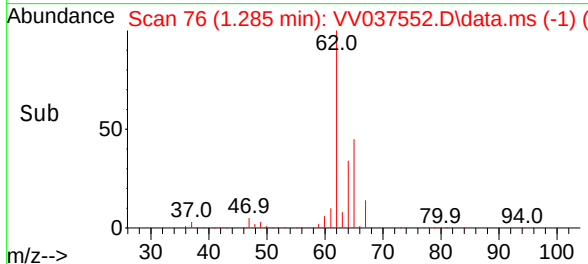
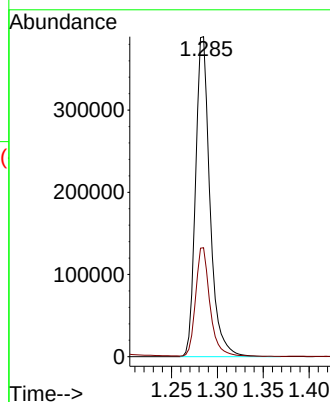
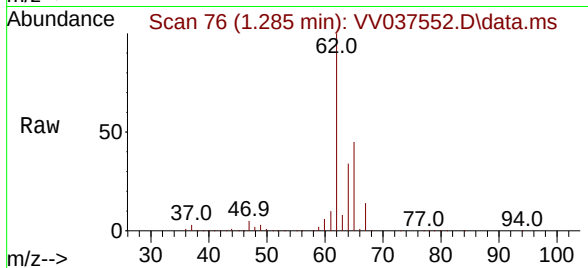
ClientSampleId :

Tgt Ion: 62 Resp: 425395

Ion Ratio Lower Upper

62 100

64 34.1 23.2 43.0



#8

Chloroethane

Concen: 97.001 ug/L

RT: 1.548 min Scan# 158

Delta R.T. 0.000 min

Lab File: VV037552.D

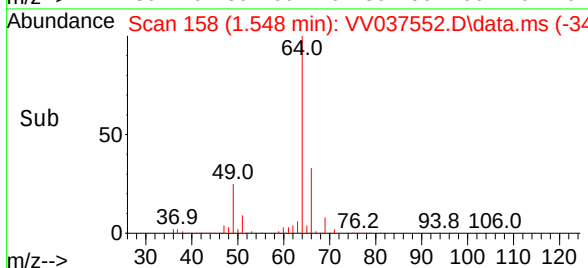
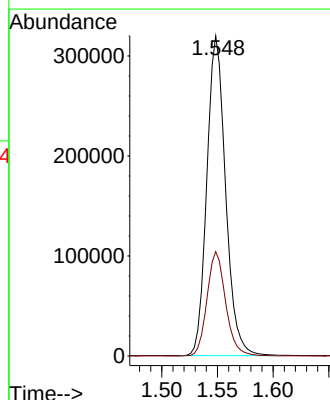
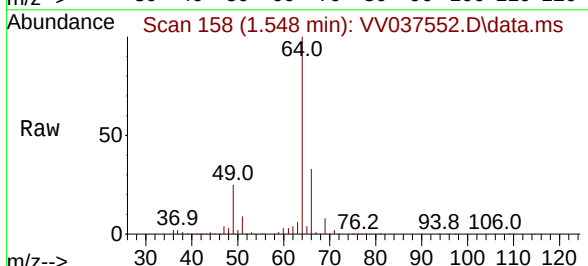
Acq: 26 Sep 2024 16:49

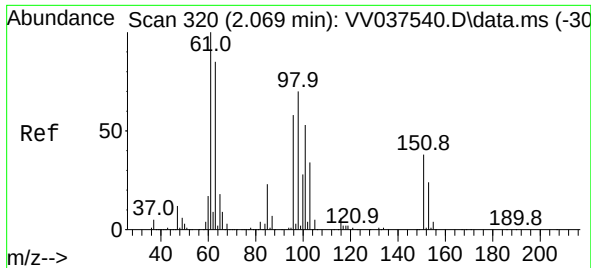
Tgt Ion: 64 Resp: 374798

Ion Ratio Lower Upper

64 100

66 32.6 22.2 41.2





#12

1,1-Dichloroethene

Concen: 3.885 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

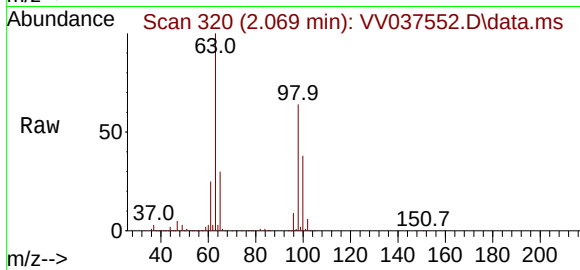
Lab File: VV037552.D

Acq: 26 Sep 2024 16:49

Instrument :

MSVOA_V

ClientSampleId :



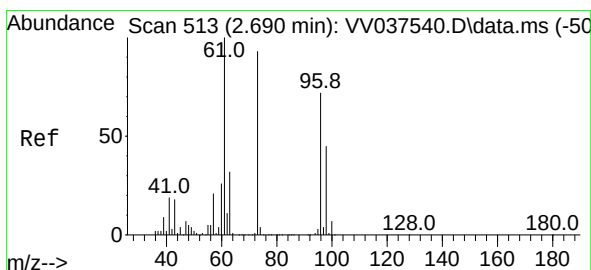
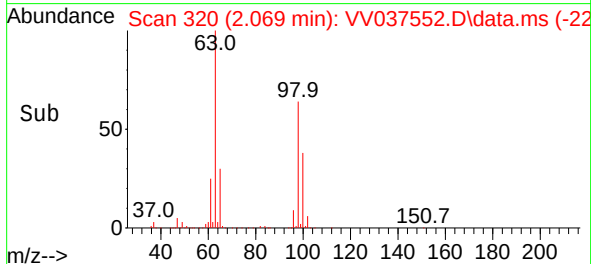
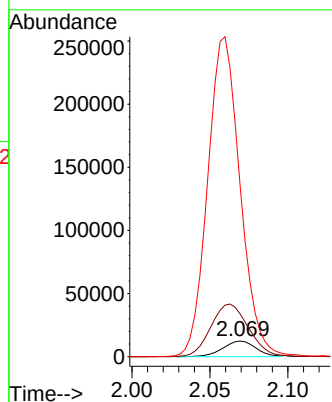
Tgt Ion: 96 Resp: 18297

Ion Ratio Lower Upper

96 100

61 272.0 122.6 227.6#

63 1090.3 118.0 219.2#



#17

trans-1,2-Dichloroethene

Concen: 7.316 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

Lab File: VV037552.D

Acq: 26 Sep 2024 16:49

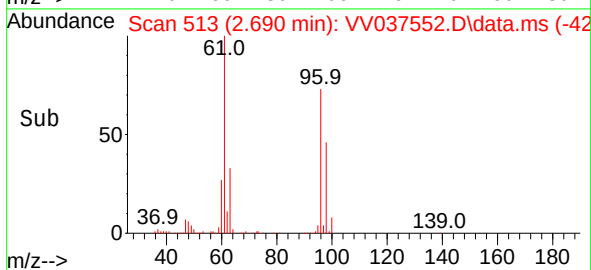
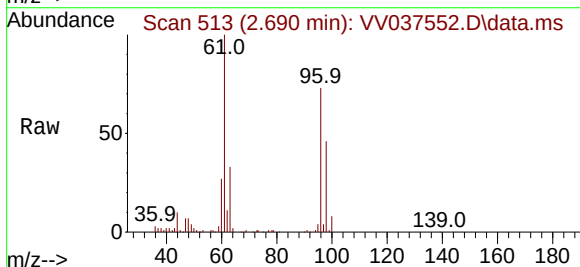
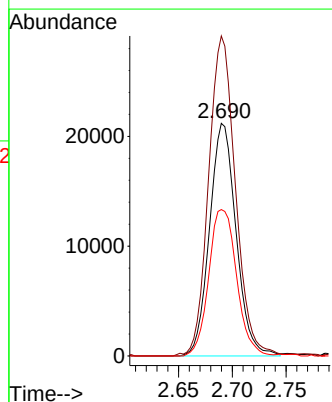
Tgt Ion: 96 Resp: 36457

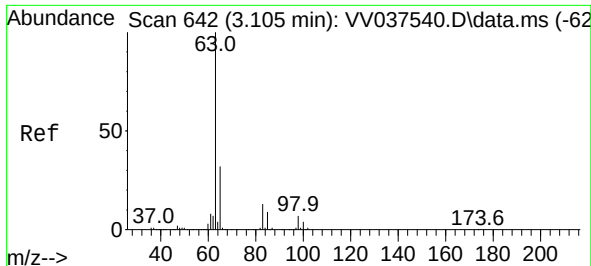
Ion Ratio Lower Upper

96 100

61 137.5 97.3 180.7

98 62.9 43.9 81.5



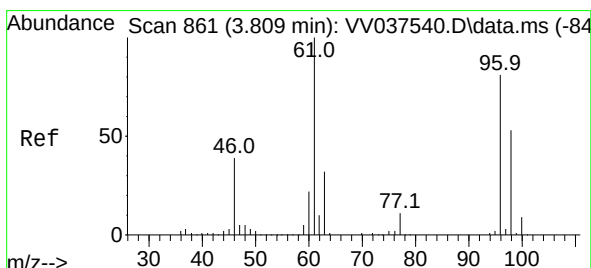
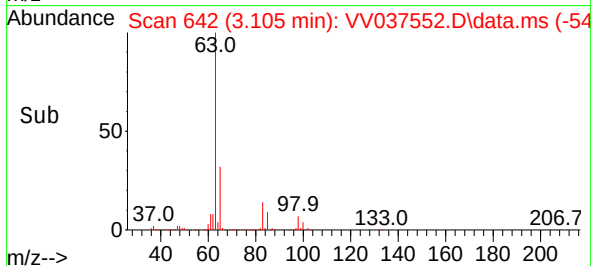
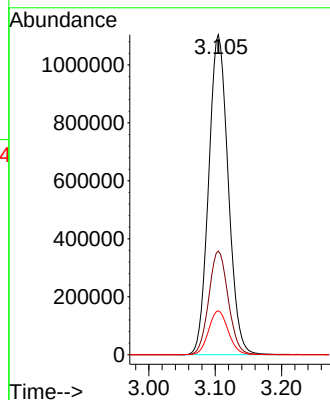
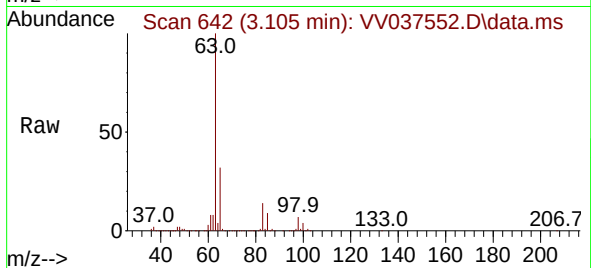


#19
1,1-Dichloroethane
Concen: 236.317 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV037552.D
Acq: 26 Sep 2024 16:49

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 63 Resp: 2256164

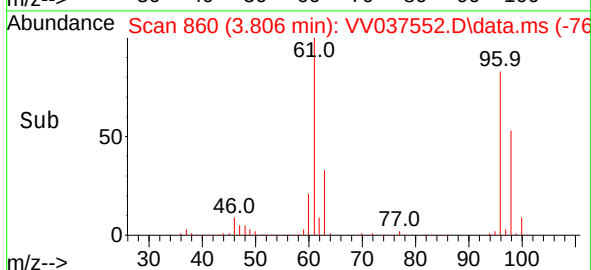
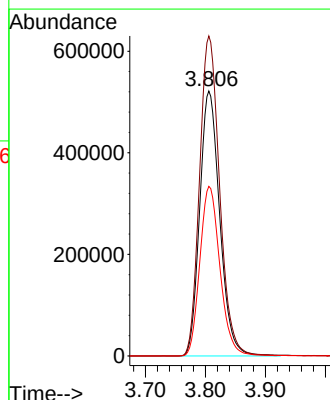
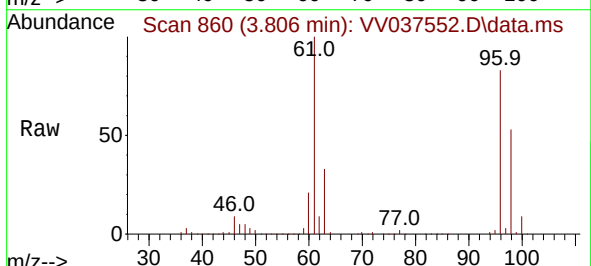
Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.4	41.6
83	13.7	9.5	17.7

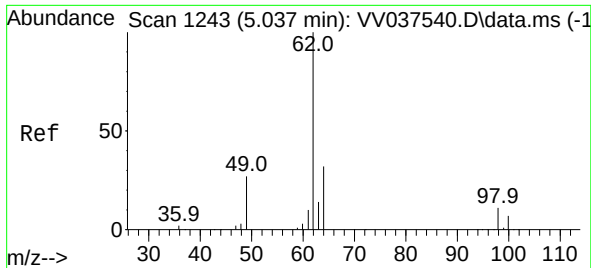


#20
cis-1,2-Dichloroethene
Concen: 217.648 ug/L
RT: 3.806 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV037552.D
Acq: 26 Sep 2024 16:49

Tgt Ion: 96 Resp: 1213650

Ion	Ratio	Lower	Upper
96	100		
61	120.7	85.0	157.8
98	64.0	44.2	82.0

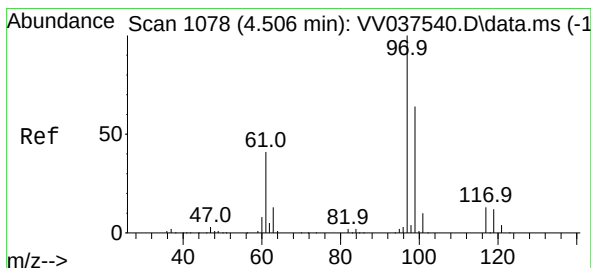
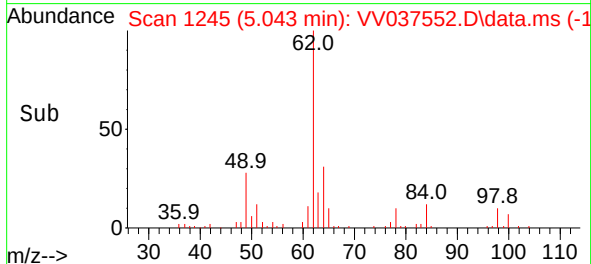
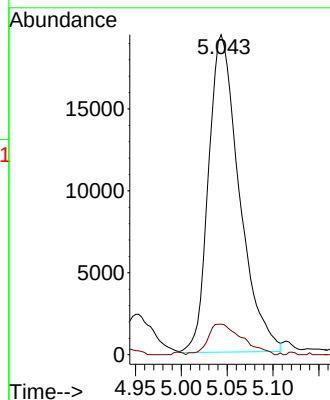
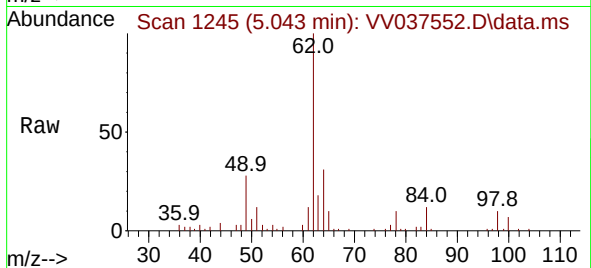




#27
1,2-Dichloroethane
Concen: 6.481 ug/L
RT: 5.043 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV037552.D
Acq: 26 Sep 2024 16:49

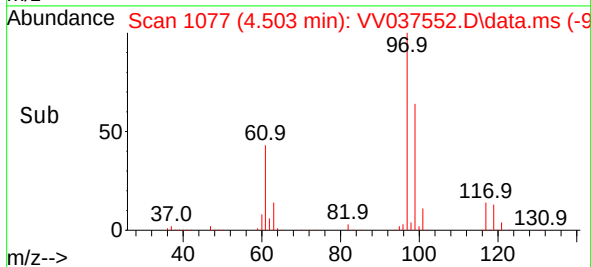
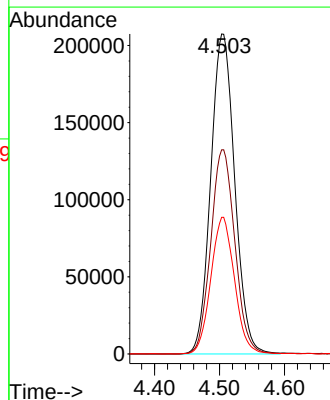
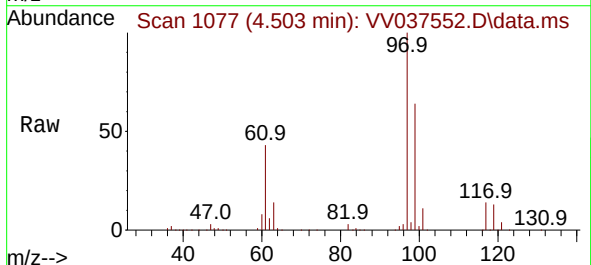
Instrument :
MSVOA_V
ClientSampleId :

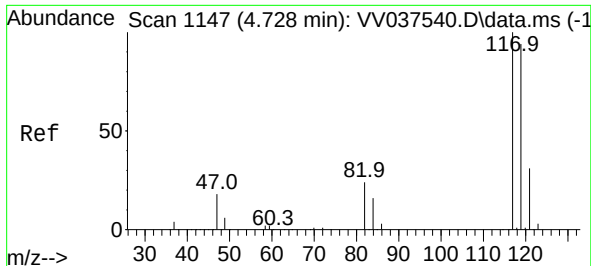
Tgt Ion: 62 Resp: 45228
Ion Ratio Lower Upper
62 100
98 9.6 8.4 12.6



#30
1,1,1-Trichloroethane
Concen: 64.473 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. -0.003 min
Lab File: VV037552.D
Acq: 26 Sep 2024 16:49

Tgt Ion: 97 Resp: 532592
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 42.1 33.6 50.4

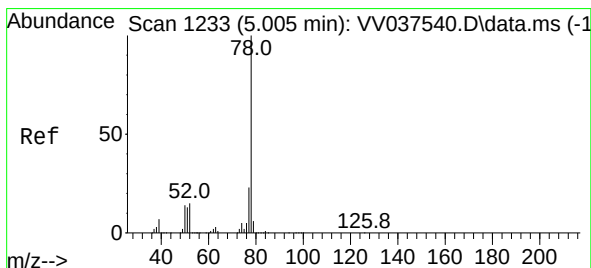
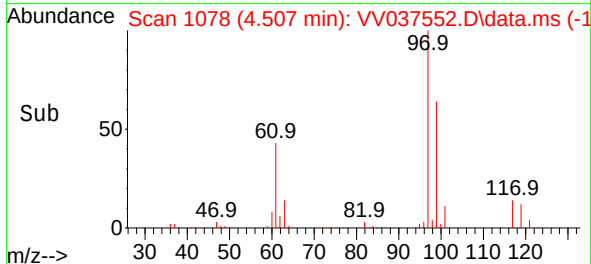
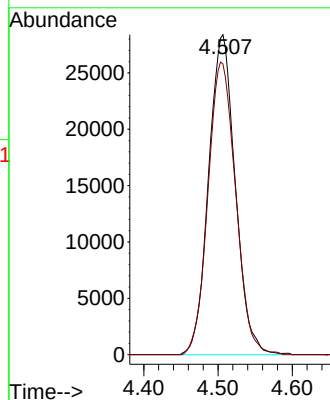
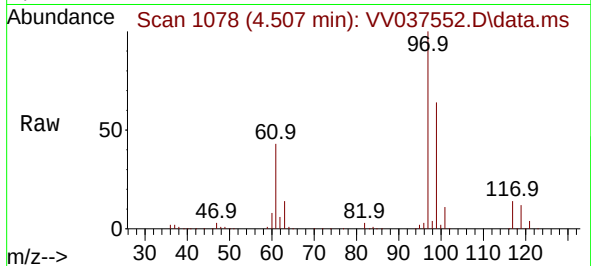




#31
Carbon tetrachloride
Concen: 9.839 ug/L
RT: 4.507 min Scan# 1147
Delta R.T. -0.222 min
Lab File: VV037552.D
Acq: 26 Sep 2024 16:49

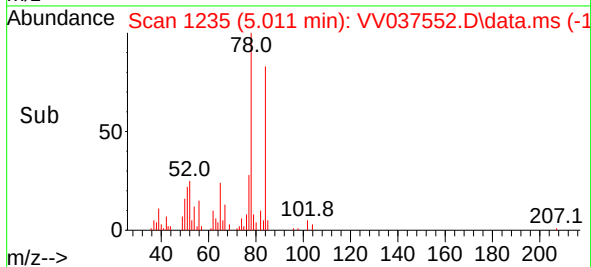
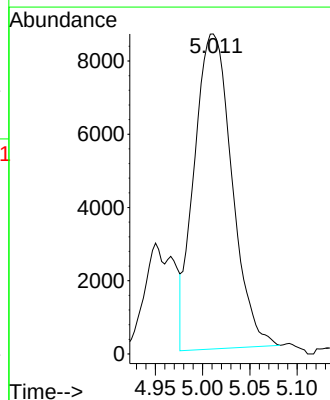
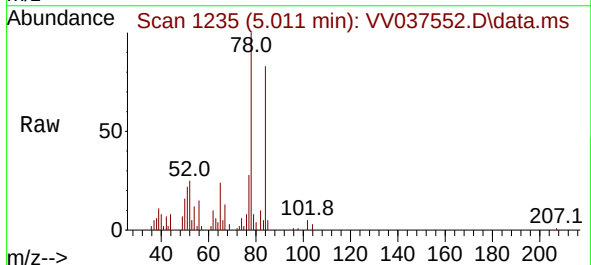
Instrument :
MSVOA_V
ClientSampleId :

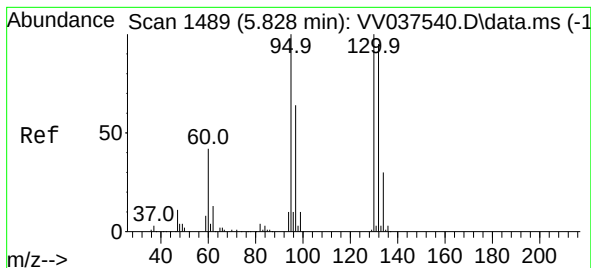
Tgt Ion:117 Resp: 70666
Ion Ratio Lower Upper
117 100
119 94.9 76.9 115.3



#33
Benzene
Concen: 1.176 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VV037552.D
Acq: 26 Sep 2024 16:49

Tgt Ion: 78 Resp: 23793





#34

Trichloroethene

Concen: 9.713 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

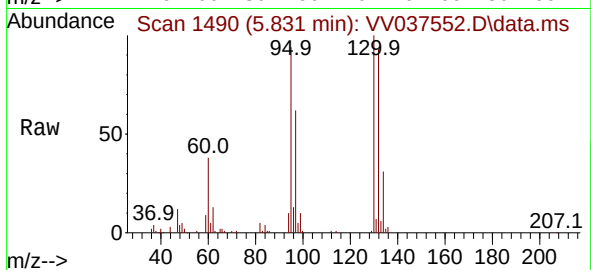
Lab File: VV037552.D

Acq: 26 Sep 2024 16:49

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 52323

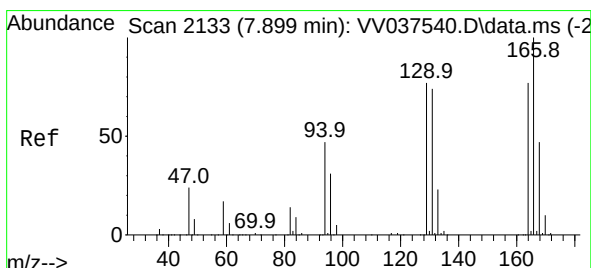
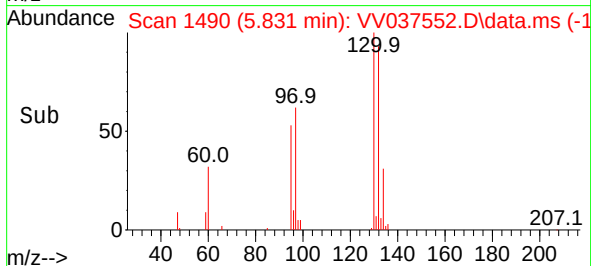
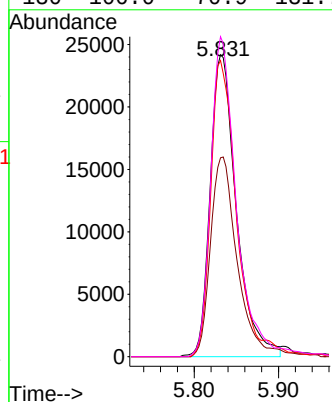
Ion Ratio Lower Upper

95 100

97 65.9 46.3 85.9

132 98.1 68.6 127.4

130 106.0 70.9 131.7



#46

Tetrachloroethene

Concen: 5.352 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.006 min

Lab File: VV037552.D

Acq: 26 Sep 2024 16:49

Tgt Ion: 164 Resp: 22043

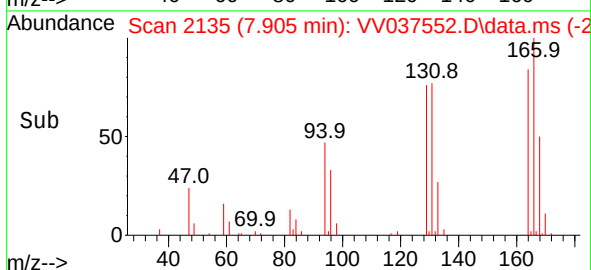
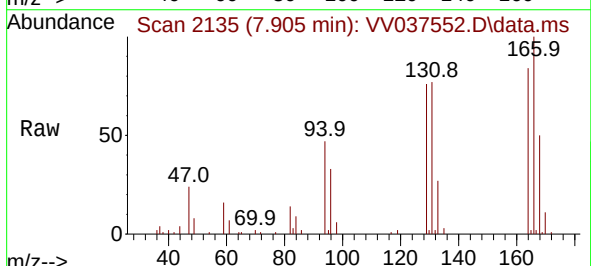
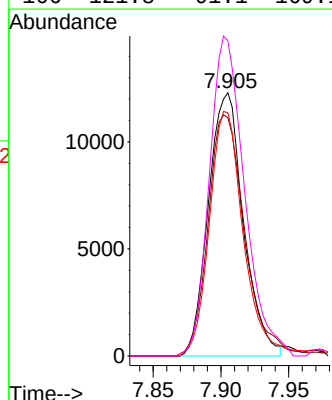
Ion Ratio Lower Upper

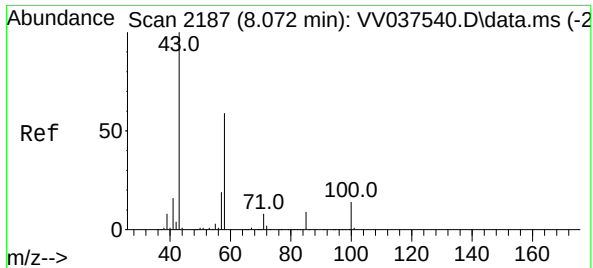
164 100

129 90.5 68.2 126.6

131 92.4 66.1 122.8

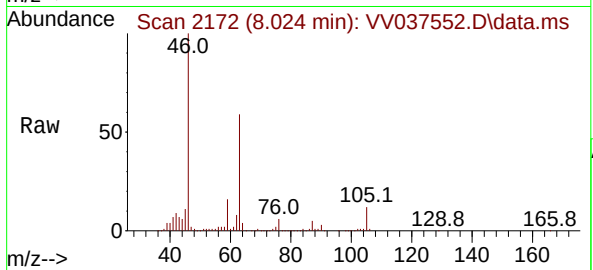
166 121.8 91.1 169.1





#48
 2-Hexanone
 Concen: 4.738 ug/L
 RT: 8.024 min Scan# 21
 Delta R.T. -0.048 min
 Lab File: VV037552.D
 Acq: 26 Sep 2024 16:49

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 43	Resp: 15669
Ion Ratio	Lower Upper
43	100
58	35.2 46.5 69.7#
57	35.4 15.1 22.7#
100	2.1 10.7 16.1#

