

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015234.D
 Acq On : 28 Mar 2020 08:47
 Operator : SY/MD
 Sample : L1976-23
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTL3

Quant Time: Mar 30 01:50:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 05:21:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	620846	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	585265	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	244861	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	136315	54.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.22%
7) Chloroethane-d5	1.58	69	132088	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.84%
11) 1,1-Dichloroethene-d2	2.12	63	237696	37.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.46%
21) 2-Butanone-d5	3.93	46	210656	70.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.59%
24) Chloroform-d	4.38	84	281552	42.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.70%
26) 1,2-Dichloroethane-d4	5.06	65	186833	43.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.26%
32) Benzene-d6	5.08	84	516737	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.28%
36) 1,2-Dichloropropane-d6	6.10	67	171962	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.10%
41) Toluene-d8	7.34	98	467674	51.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	7.64	79	84073	40.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.52%
47) 2-Hexanone-d5	8.12	63	171993	77.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.20%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	262157	38.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	77.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	176313	42.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.42%

Target Compounds

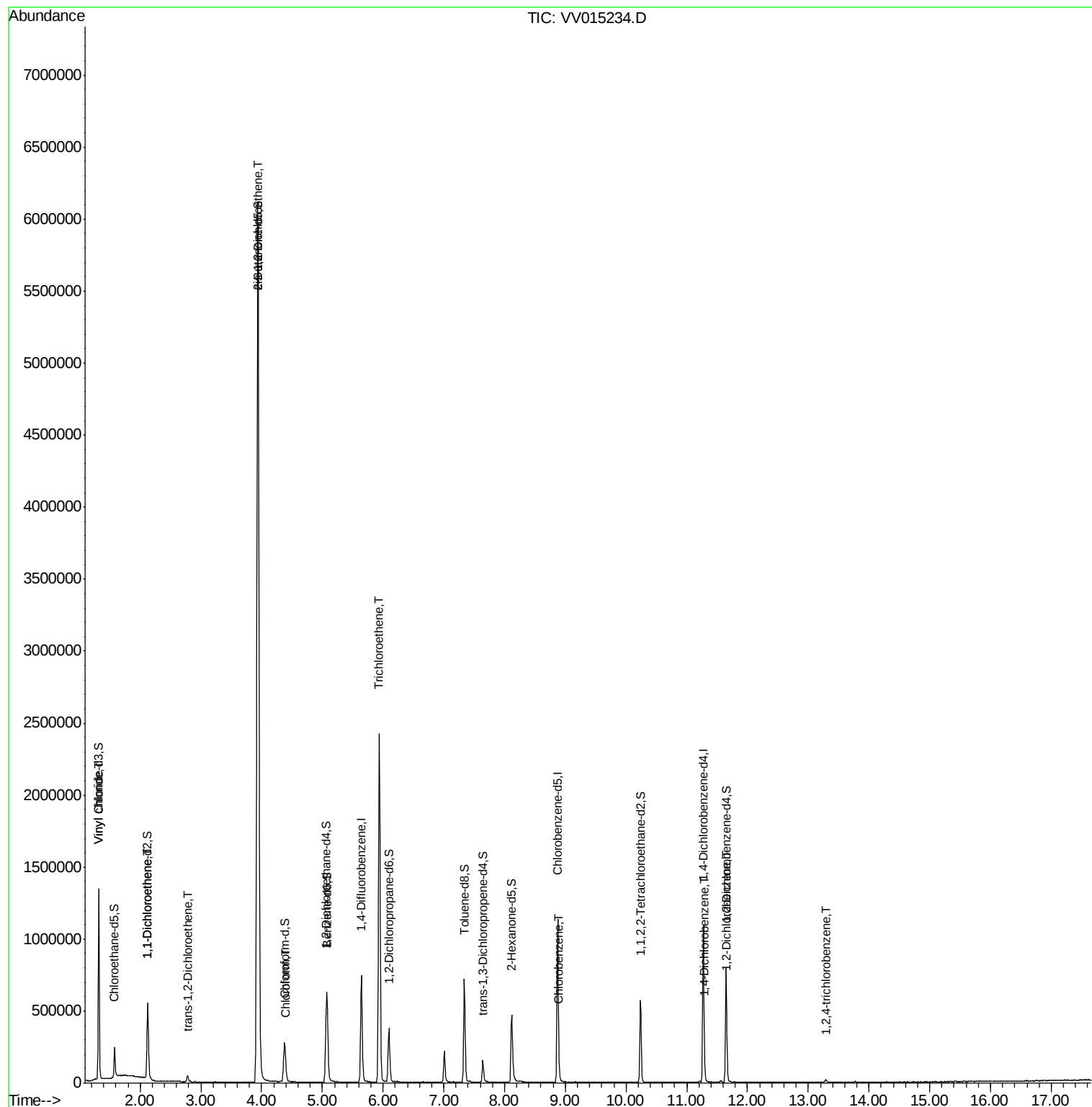
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	692741	125.410	ug/L	98
12) 1,1-Dichloroethene	2.13	96	65772	14.189	ug/L #	55
17) trans-1,2-Dichloroethene	2.78	96	15726	3.931	ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	3351241	701.107	ug/L #	98
25) Chloroform	4.41	83	5983	0.751	ug/L	99
34) Trichloroethene	5.94	95	839346	190.967	ug/L	96
51) Chlorobenzene	8.90	112	18330	1.552	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	13937	1.819	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	10292	1.317	ug/L	89
68) 1,2,4-trichlorobenzene	13.29	180	3835	0.852	ug/L #	88

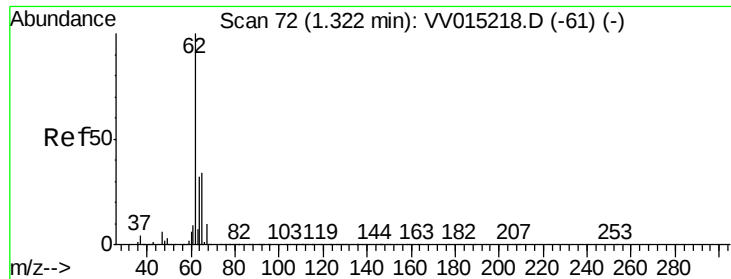
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Mar 28 05:21:13 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 125.410 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015234.D

Acq: 28 Mar 2020 08:47

Instrument :

MSVOA_V

ClientSampleId :

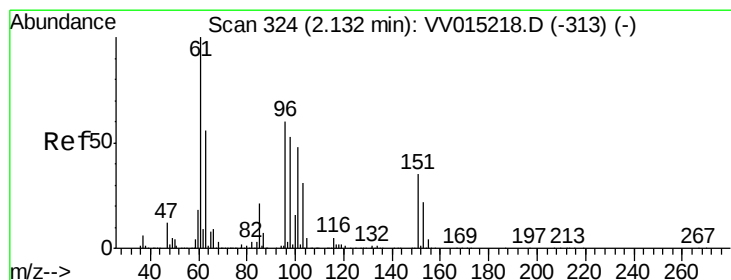
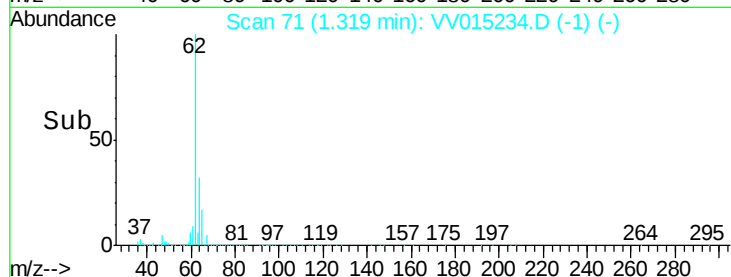
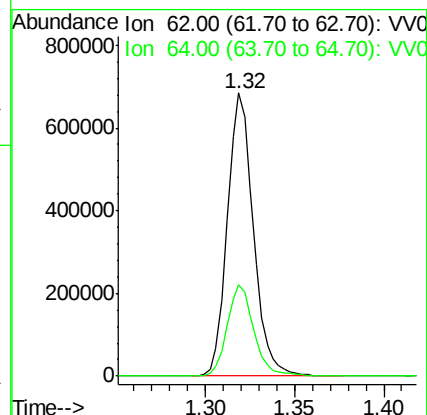
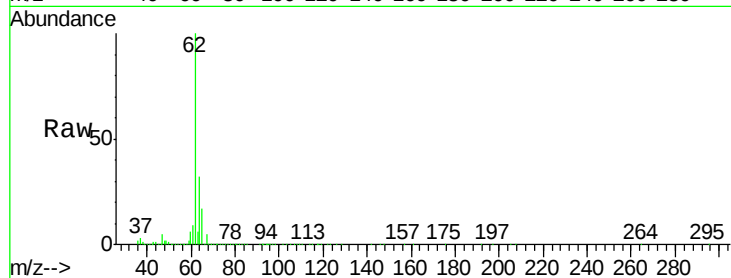
ETTL3

Tot Ion: 62 Resp: 692741

Ion Ratio Lower Upper

62 100

64 32.5 23.5 43.7



#12

1,1-Dichloroethene

Concen: 14.189 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV015234.D

Acq: 28 Mar 2020 08:47

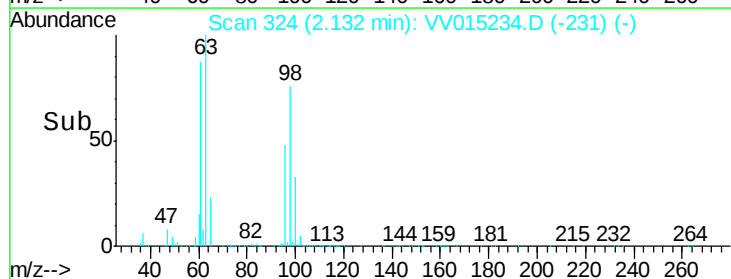
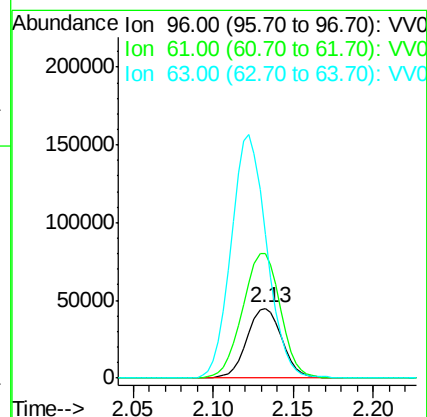
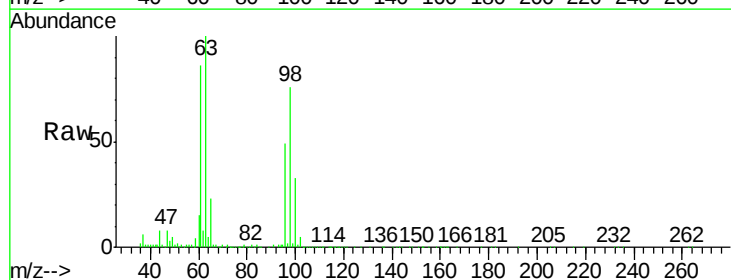
Tgt Ion: 96 Resp: 65772

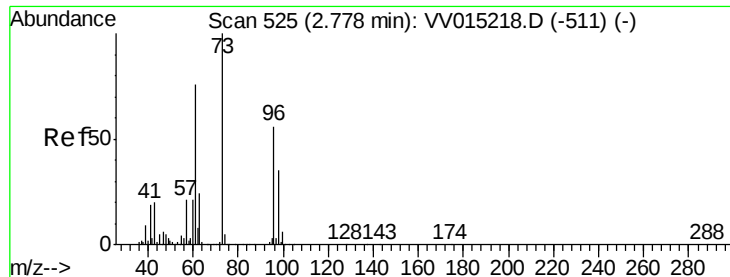
Ion Ratio Lower Upper

96 100

61 177.9 119.1 221.3

63 205.8 66.0 122.6#





#17

trans-1,2-Dichloroethene

Concen: 3.931 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV015234.D

Acq: 28 Mar 2020 08:47

Instrument :

MSVOA_V

ClientSampleId :

ETTL3

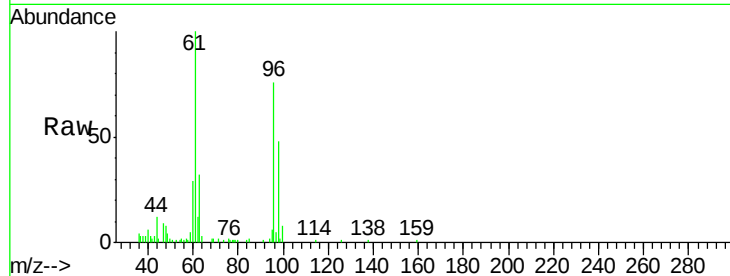
Tot Ion: 96 Resp: 15726

Ion Ratio Lower Upper

96 100

61 130.8 97.9 181.7

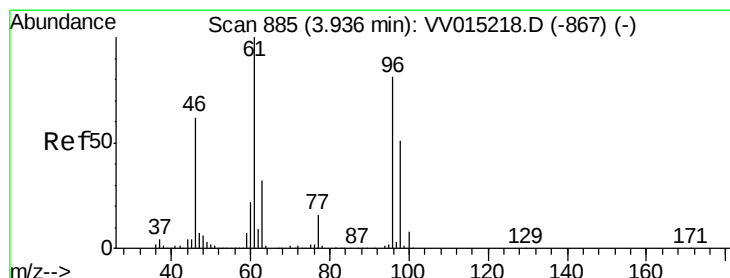
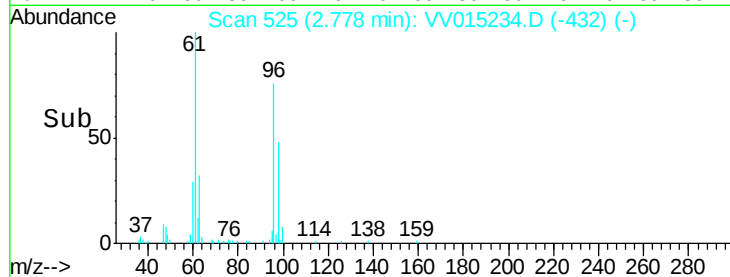
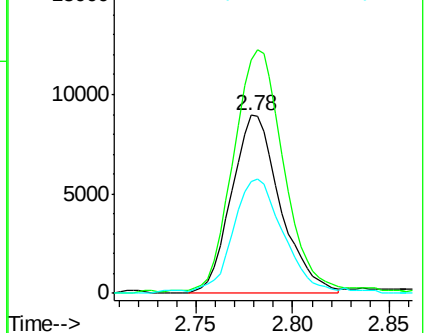
98 62.8 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 701.107 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015234.D

Acq: 28 Mar 2020 08:47

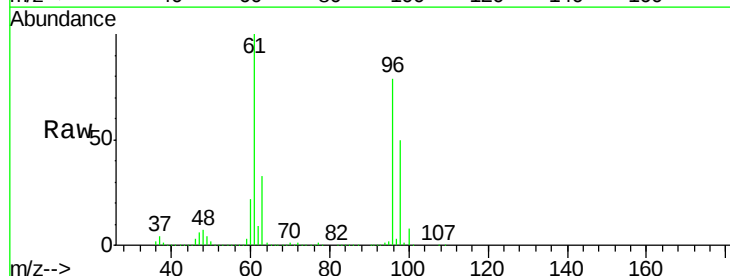
Tgt Ion: 96 Resp: 3351241

Ion Ratio Lower Upper

96 100

61 127.3 87.2 162.0

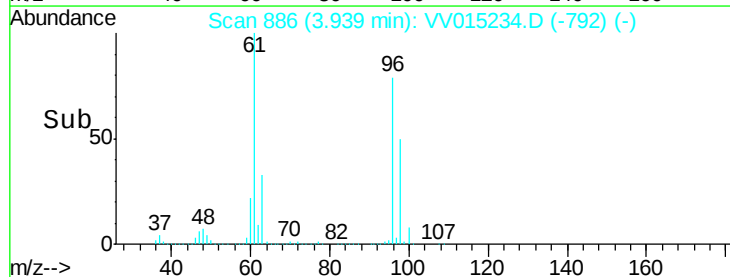
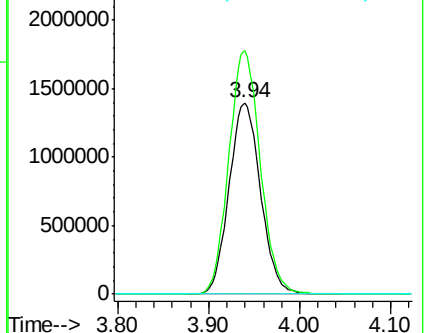
68 0.0 0.1 0.3#

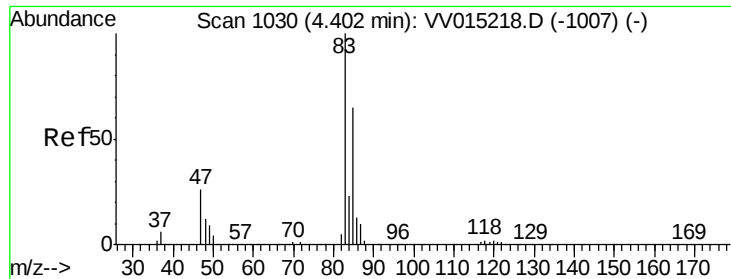


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#25

Chloroform

Concen: 0.751 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV015234.D

Acq: 28 Mar 2020 08:47

Instrument :

MSVOA_V

ClientSampleId :

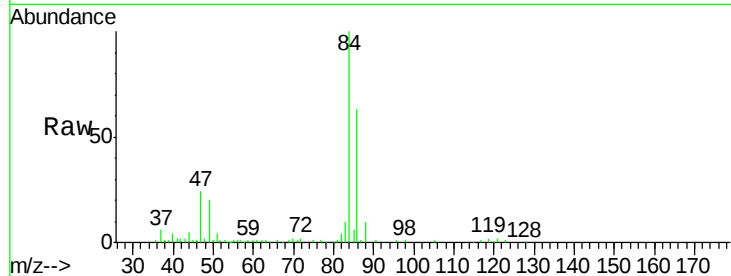
ETTL3

Tot Ion: 83 Resp: 5983

Ion Ratio Lower Upper

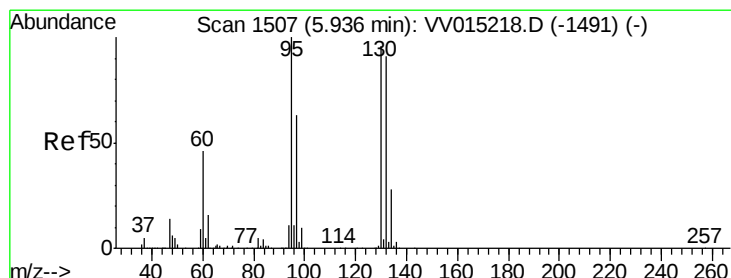
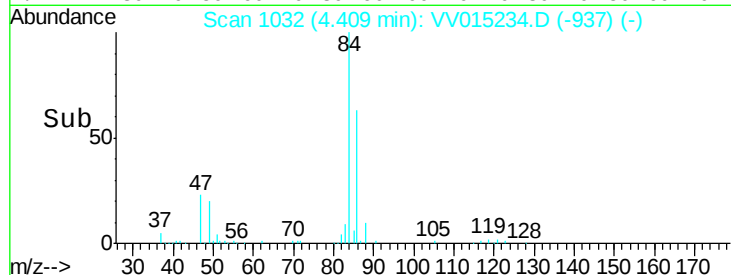
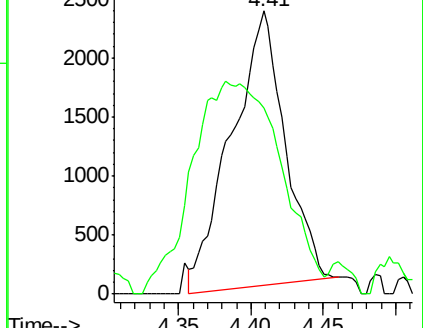
83 100

85 65.6 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VV015234.D (-937) (-)

Ion 85.00 (84.70 to 85.70): VV015234.D (-937) (-)



#34

Trichloroethene

Concen: 190.967 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015234.D

Acq: 28 Mar 2020 08:47

Tgt Ion: 95 Resp: 839346

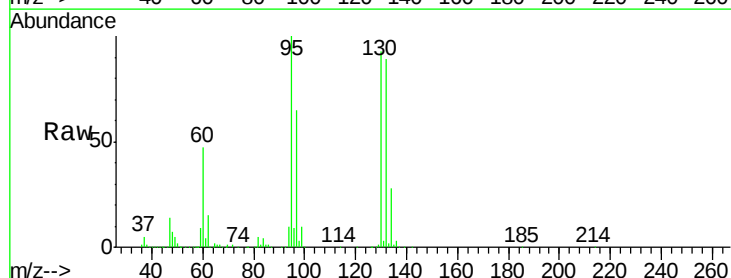
Ion Ratio Lower Upper

95 100

97 65.1 45.7 84.9

132 88.7 66.2 123.0

130 93.0 67.6 125.6

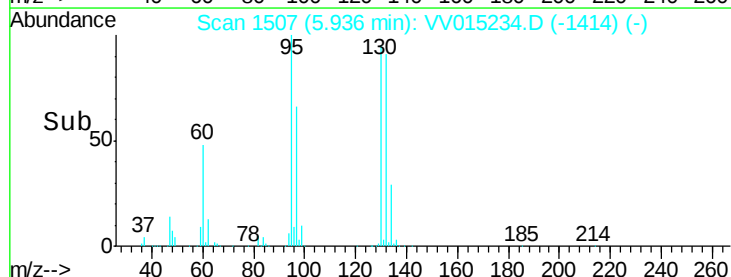
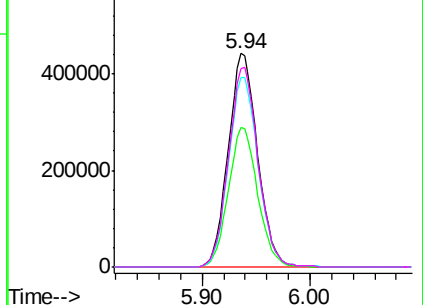


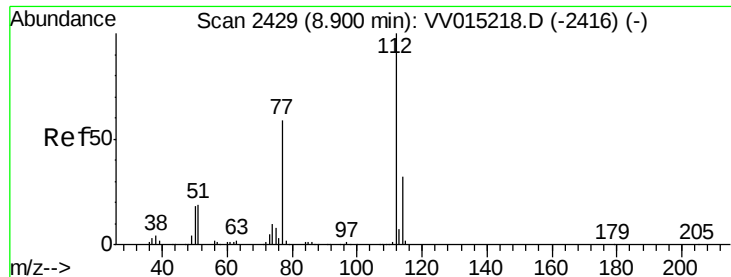
Abundance Ion 95.00 (94.70 to 95.70): VV015234.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV015234.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV015234.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV015234.D (-1414) (-)





#51

Chlorobenzene

Concen: 1.552 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015234.D

Acq: 28 Mar 2020 08:47

Instrument :

MSVOA_V

ClientSampled :

ETTL3

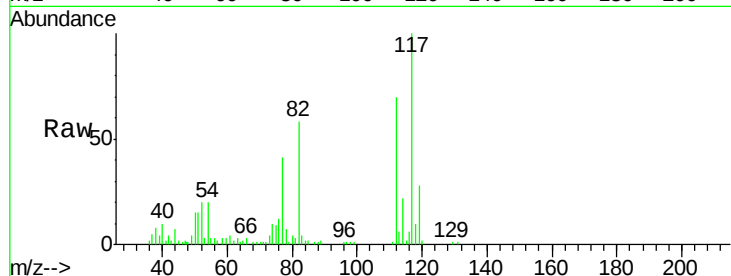
Tot Ion:112 Resp: 18330

Ion Ratio Lower Upper

112 100

114 31.2 22.3 41.5

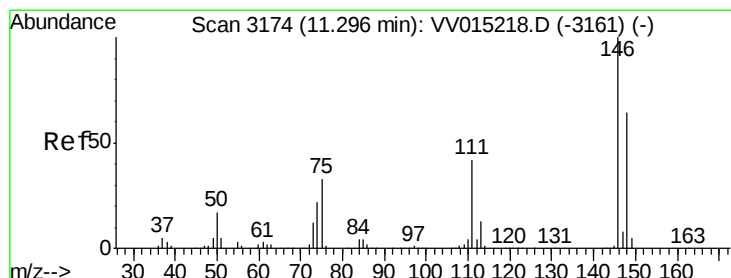
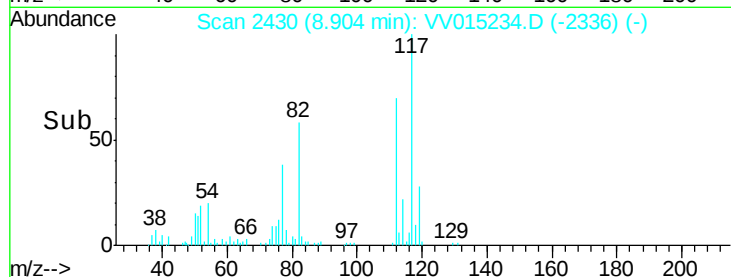
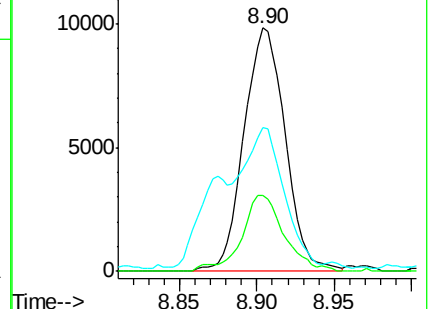
77 58.9 48.2 72.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#63

1,4-Dichlorobenzene

Concen: 1.819 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.00 min

Lab File: VV015234.D

Acq: 28 Mar 2020 08:47

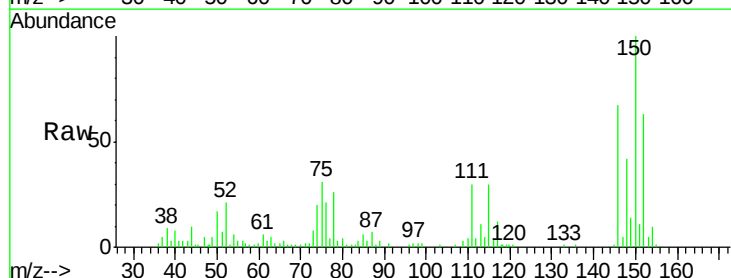
Tgt Ion:146 Resp: 13937

Ion Ratio Lower Upper

146 100

111 44.7 29.4 54.6

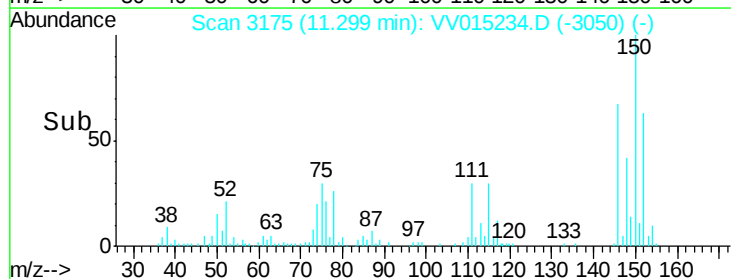
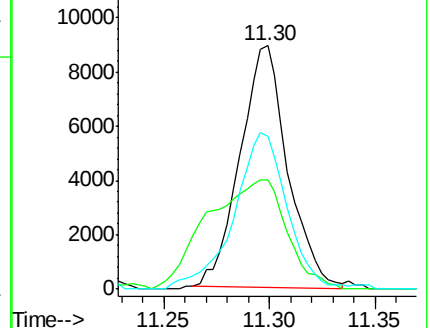
148 62.5 43.6 81.0

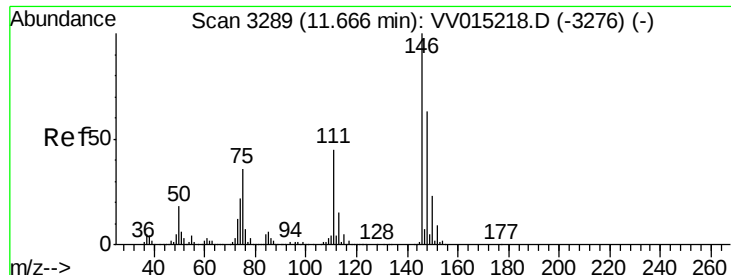


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

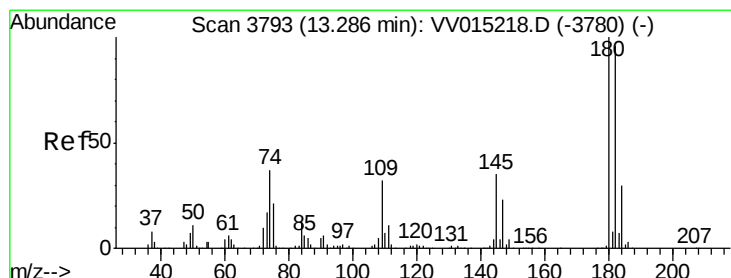
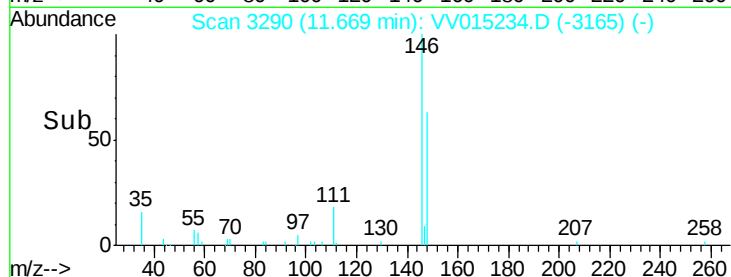
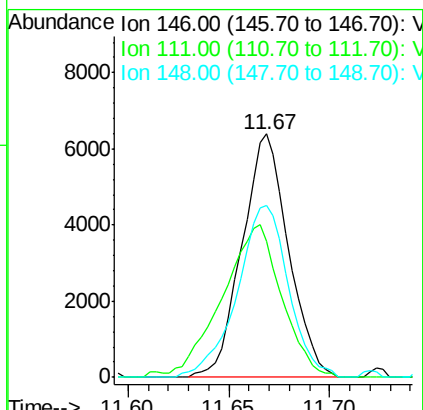
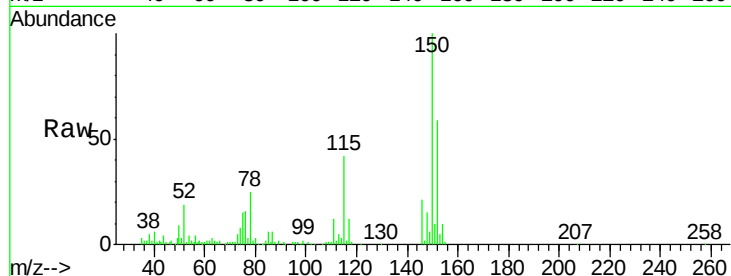




#65
 1,2-Dichlorobenzene
 Concen: 1.317 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV015234.D
 Acq: 28 Mar 2020 08:47

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTL3

Tot Ion:146 Resp: 10292
 Ion Ratio Lower Upper
 146 100
 111 55.9 37.6 56.4
 148 70.5 50.6 76.0



#68
 1,2,4-trichlorobenzene
 Concen: 0.852 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015234.D
 Acq: 28 Mar 2020 08:47

Tgt Ion:180 Resp: 3835
 Ion Ratio Lower Upper
 180 100
 182 104.5 75.5 113.3
 145 44.9 28.5 42.7#

