

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015235.D
 Acq On : 28 Mar 2020 09:11
 Operator : SY/MD
 Sample : L1976-13DL 200X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTJ2DL

Quant Time: Mar 30 01:57:40 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	573098	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	532694	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	216453	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	126092	54.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.46%
7) Chloroethane-d5	1.58	69	126483	50.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.48%
11) 1,1-Dichloroethene-d2	2.12	63	193432	33.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.52%
21) 2-Butanone-d5	3.93	46	226074	82.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.07%
24) Chloroform-d	4.38	84	276305	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.12%
26) 1,2-Dichloroethane-d4	5.06	65	186672	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
32) Benzene-d6	5.08	84	491741	52.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.86%
36) 1,2-Dichloropropane-d6	6.10	67	172001	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.92%
41) Toluene-d8	7.34	98	422831	51.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.32%
43) trans-1,3-Dichloropropene-	7.64	79	85668	45.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.26%
47) 2-Hexanone-d5	8.12	63	179687	88.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.62%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	260776	42.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	162945	44.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.26%

Target Compounds

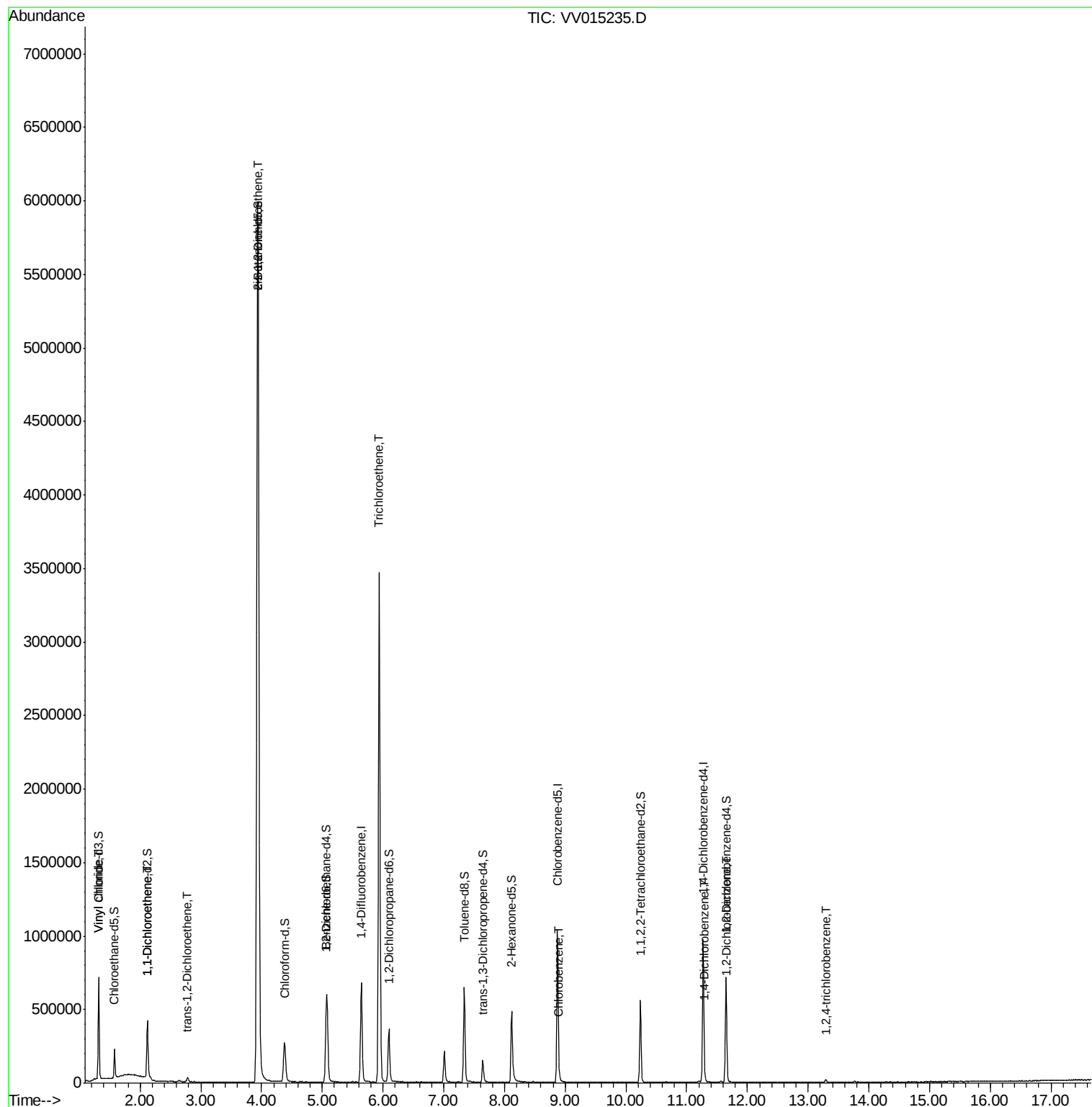
					Ovalue
5) Vinyl chloride	1.32	62	311542	61.099 ug/L	97
12) 1,1-Dichloroethene	2.13	96	13964	3.263 ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	10769	2.916 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	3322834	753.082 ug/L #	97
34) Trichloroethene	5.94	95	1212507	303.093 ug/L	97
51) Chlorobenzene	8.91	112	15099	1.405 ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	12723	1.879 ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	8569	1.241 ug/L #	92
68) 1,2,4-trichlorobenzene	13.29	180	4012	1.009 ug/L	98

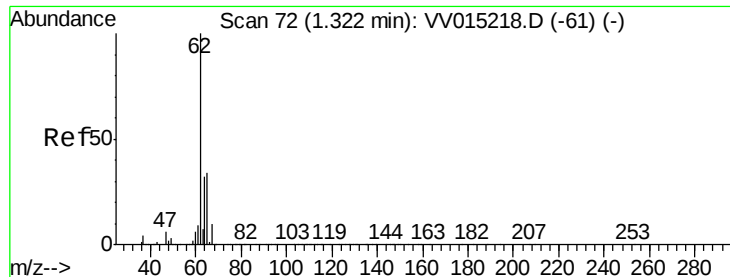
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 61.099 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015235.D

Acq: 28 Mar 2020 09:11

Instrument :

MSVOA_V

ClientSampleId :

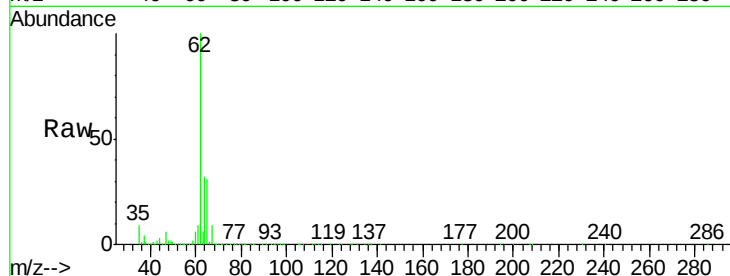
ETTJ2DL

Tot Ion: 62 Resp: 311542

Ion Ratio Lower Upper

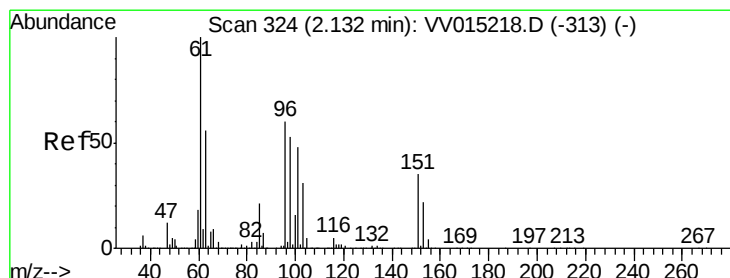
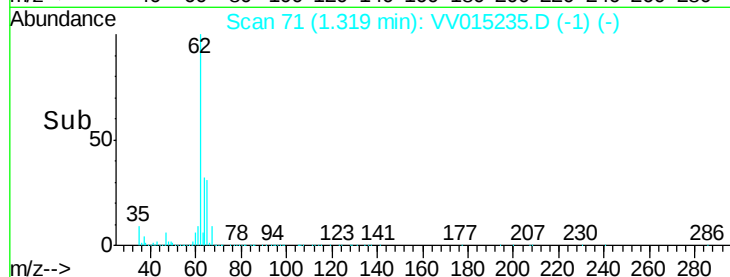
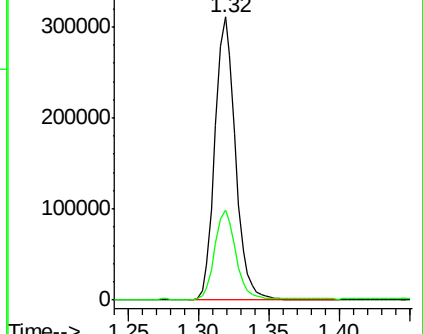
62 100

64 32.0 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#12

1,1-Dichloroethene

Concen: 3.263 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015235.D

Acq: 28 Mar 2020 09:11

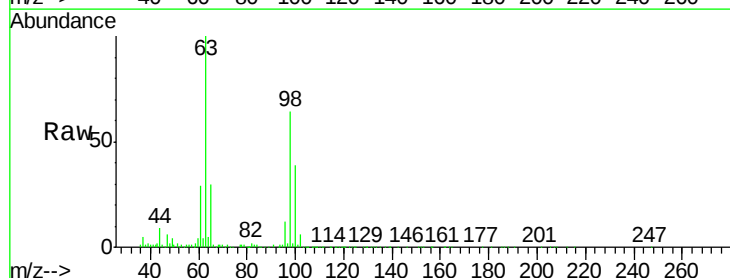
Tgt Ion: 96 Resp: 13964

Ion Ratio Lower Upper

96 100

61 251.7 119.1 221.3#

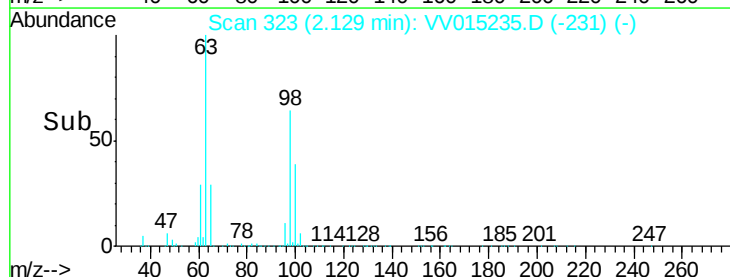
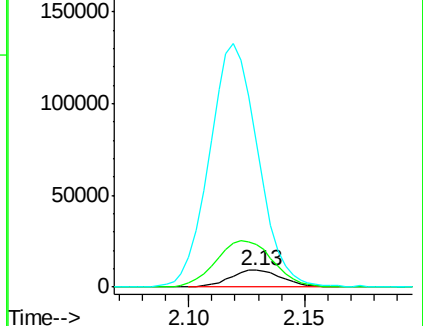
63 855.2 66.0 122.6#

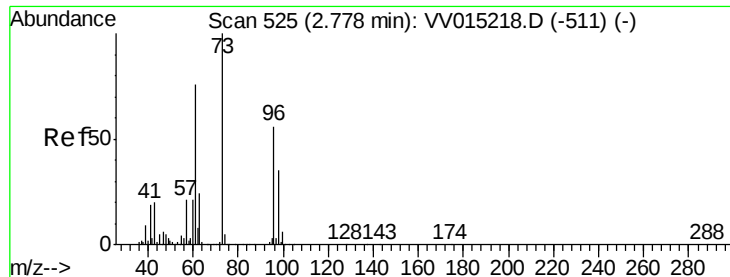


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 2.916 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV015235.D

Acq: 28 Mar 2020 09:11

Instrument :

MSVOA_V

ClientSampled :

ETTJ2DL

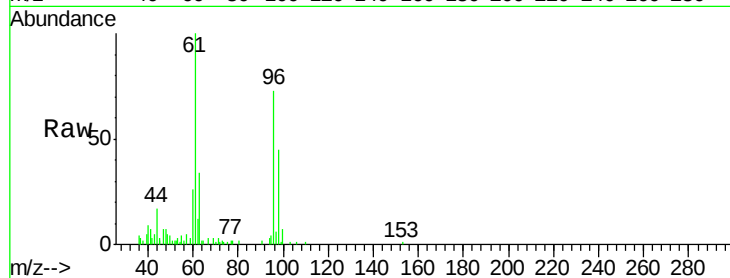
Tot Ion: 96 Resp: 10769

Ion Ratio Lower Upper

96 100

61 137.6 97.9 181.7

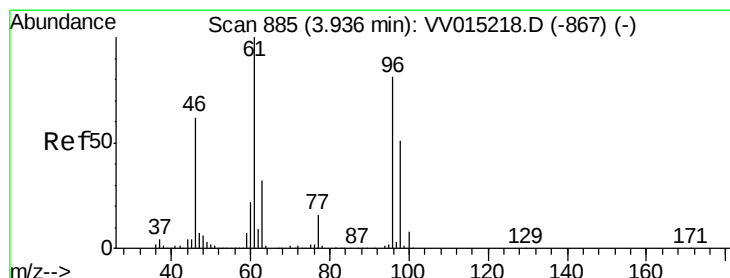
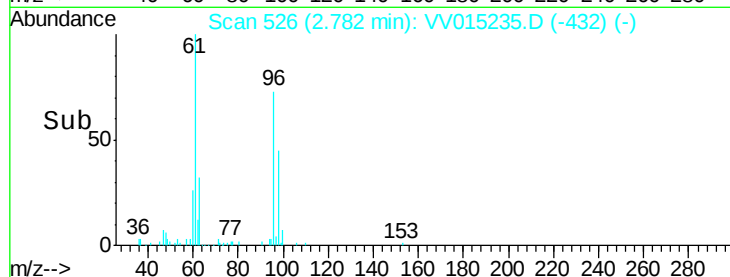
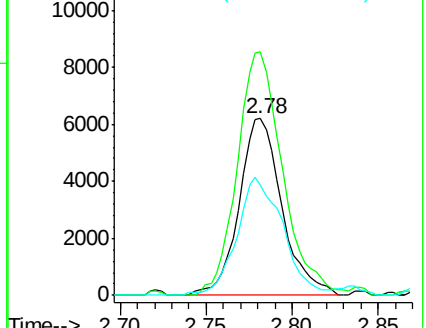
98 62.6 43.8 81.4



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: 753.082 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015235.D

Acq: 28 Mar 2020 09:11

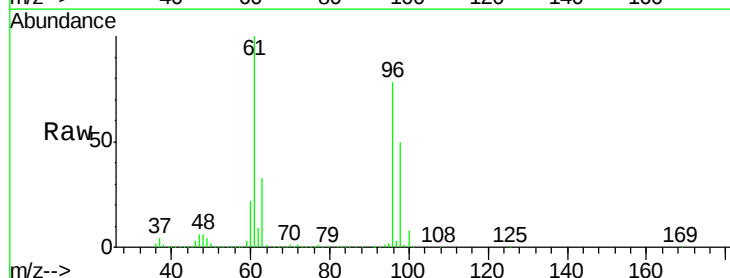
Tgt Ion: 96 Resp: 3322834

Ion Ratio Lower Upper

96 100

61 127.6 87.2 162.0

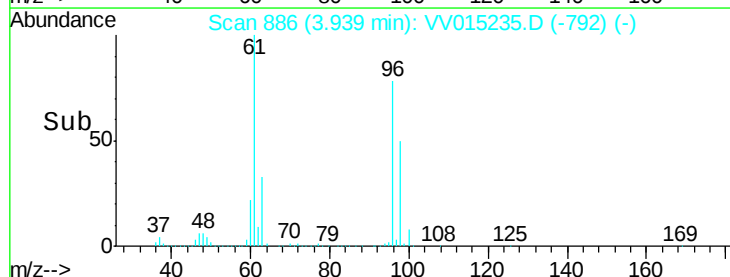
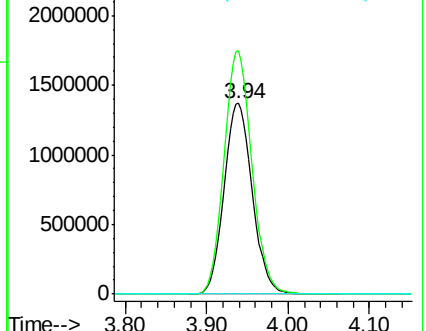
68 0.0 0.1 0.3#

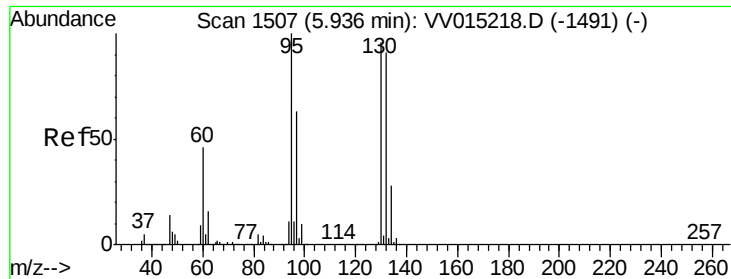


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#34

Trichloroethene

Concen: 303.093 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015235.D

Acq: 28 Mar 2020 09:11

Instrument :

MSVOA_V

ClientSampleId :

ETTJ2DL

Tot Ion: 95 Resp: 1212507

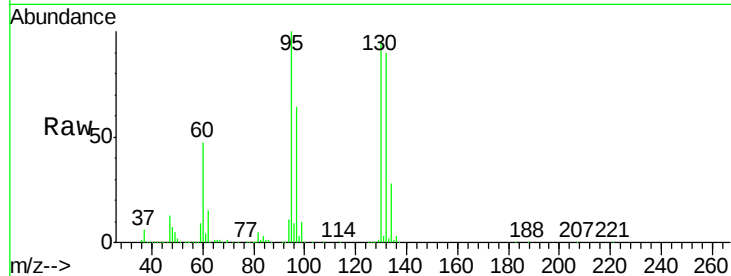
Ion Ratio Lower Upper

95 100

97 63.6 45.7 84.9

132 89.7 66.2 123.0

130 94.8 67.6 125.6

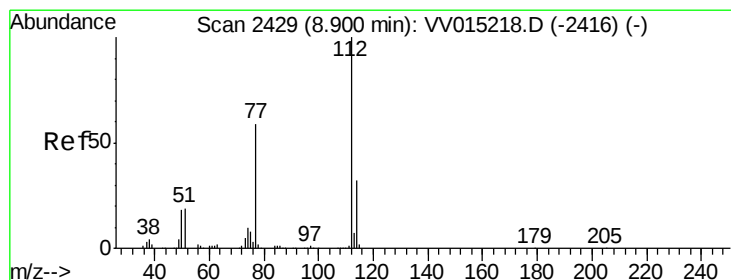
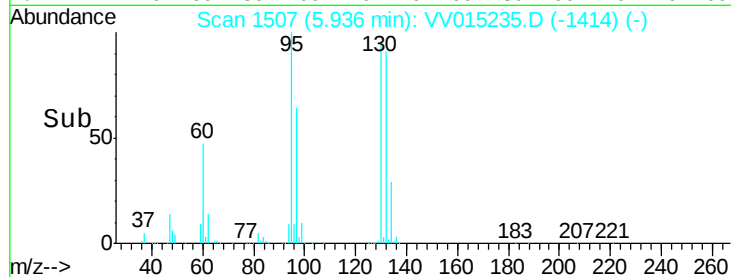
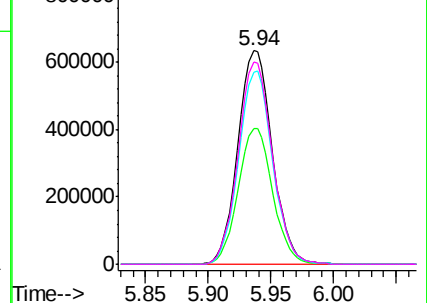


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#51

Chlorobenzene

Concen: 1.405 ug/L

RT: 8.91 min Scan# 2431

Delta R.T. 0.01 min

Lab File: VV015235.D

Acq: 28 Mar 2020 09:11

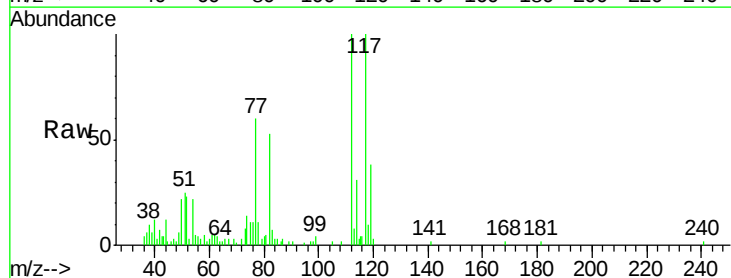
Tgt Ion: 112 Resp: 15099

Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.5

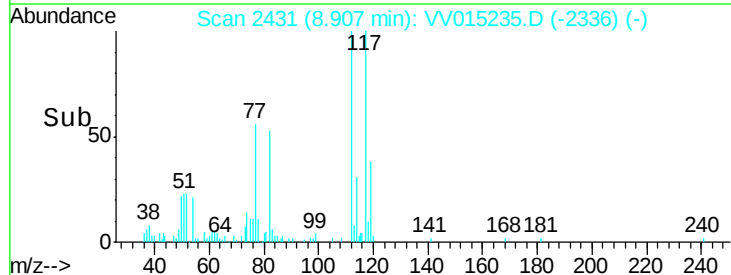
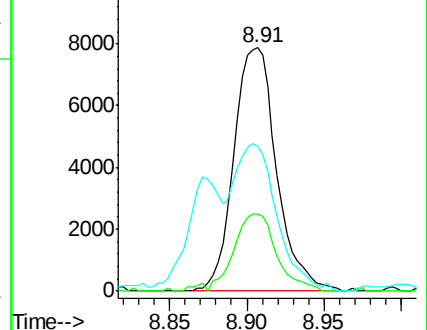
77 59.5 48.2 72.2

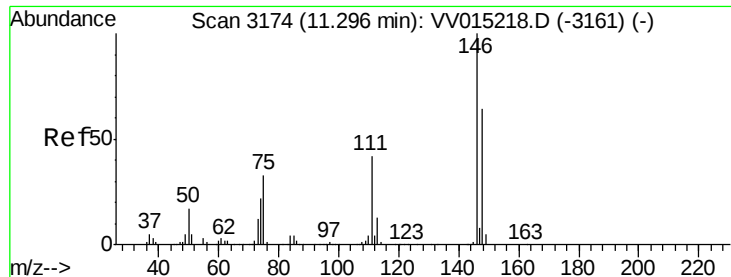


Abundance Ion 112.00 (111.70 to 112.70): VV0

Ion 114.00 (113.70 to 114.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

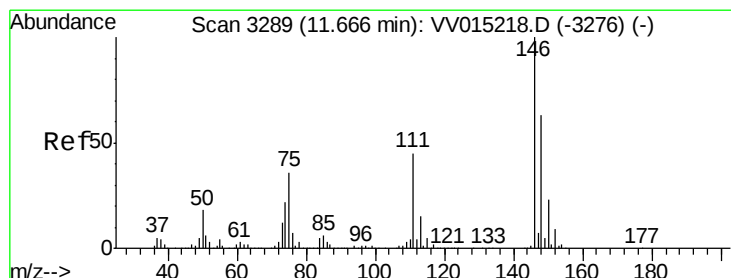
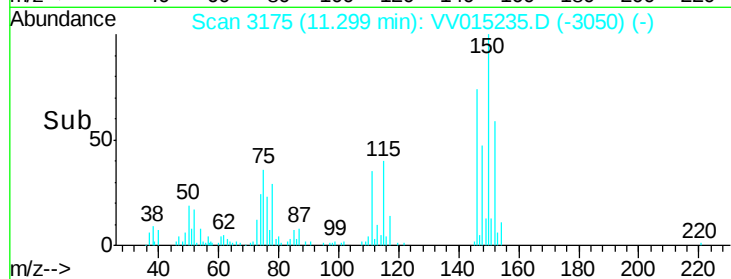
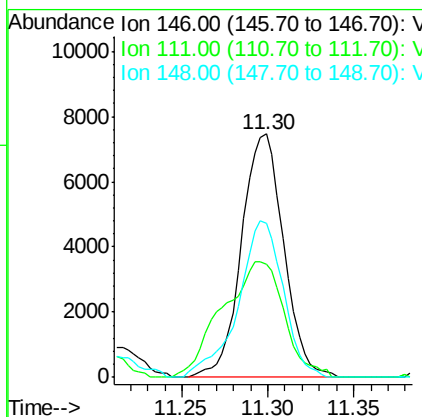
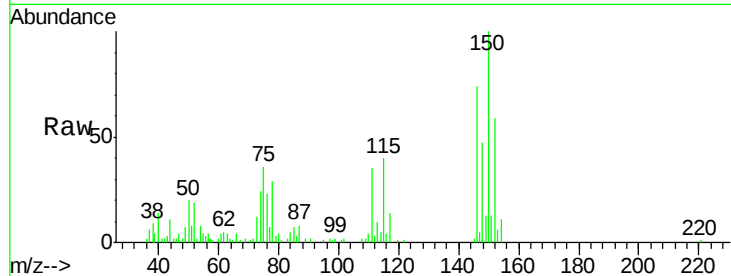




#63
 1,4-Dichlorobenzene
 Concen: 1.879 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.00 min
 Lab File: VV015235.D
 Acq: 28 Mar 2020 09:11

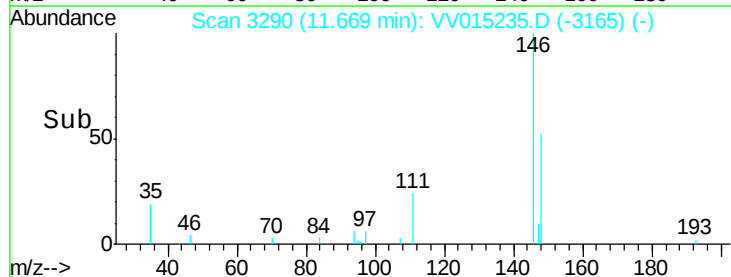
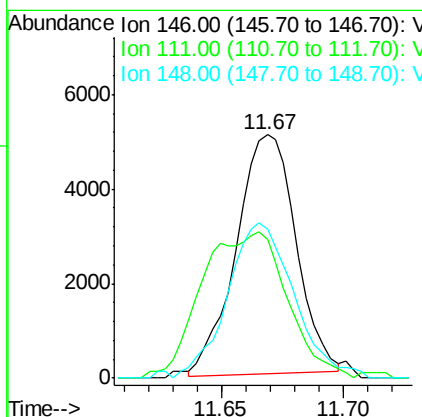
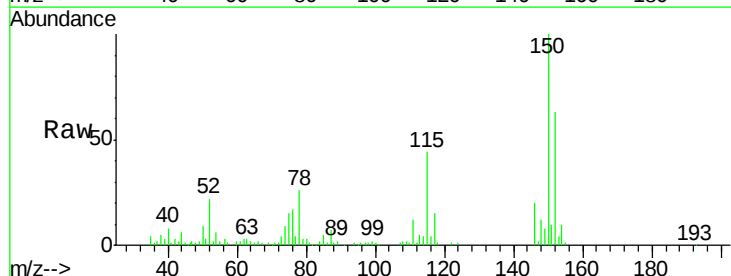
Instrument :
 MSVOA_V
 ClientSampleId :
 ETTJ2DL

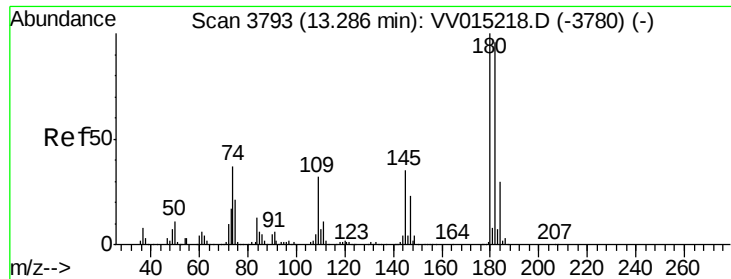
Tot Ion:146 Resp: 12723
 Ion Ratio Lower Upper
 146 100
 111 46.7 29.4 54.6
 148 63.4 43.6 81.0



#65
 1,2-Dichlorobenzene
 Concen: 1.241 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV015235.D
 Acq: 28 Mar 2020 09:11

Tgt Ion:146 Resp: 8569
 Ion Ratio Lower Upper
 146 100
 111 56.9 37.6 56.4#
 148 61.2 50.6 76.0

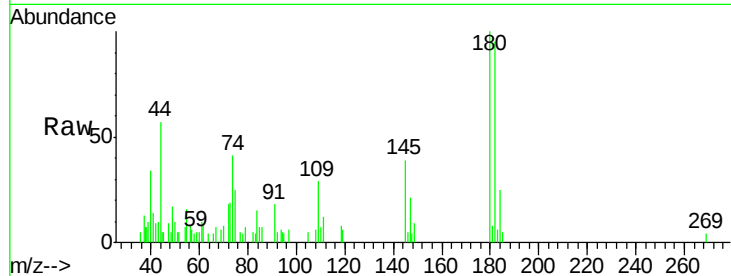




#68
 1,2,4-trichlorobenzene
 Concen: 1.009 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015235.D
 Acq: 28 Mar 2020 09:11

Instrument :
 MSVOA_V
 ClientSampleId :
 ETTJ2DL

Tot Ion:180 Resp: 4012
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.5 113.3
 145 37.8 28.5 42.7



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

