

Data File : VV015010.D
Acq On : 18 Mar 2020 06:25
Operator : SY/MD
Sample : L1941-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DC2

Quant Time: Mar 18 07:49:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 07:43:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	316485	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	314579	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	174120	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74483	35.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.66%
7) Chloroethane-d5	1.58	69	59705	38.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.26%
11) 1,1-Dichloroethene-d2	2.12	63	96255	29.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.52%#
21) 2-Butanone-d5	3.93	46	90087	70.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.07%
24) Chloroform-d	4.38	84	184471	41.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.98%
26) 1,2-Dichloroethane-d4	5.06	65	123631	44.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.84%
32) Benzene-d6	5.08	84	379020	43.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.46%
36) 1,2-Dichloropropane-d6	6.10	67	111489	43.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.40%
41) Toluene-d8	7.34	98	372849	43.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	7.64	79	48050	35.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.04%
47) 2-Hexanone-d5	8.12	63	99444	85.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.37%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	163397	43.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.50%
64) 1,2-Dichlorobenzene-d4	11.75	152	46	0.01	ug/L	0.10
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.02%#

Target Compounds

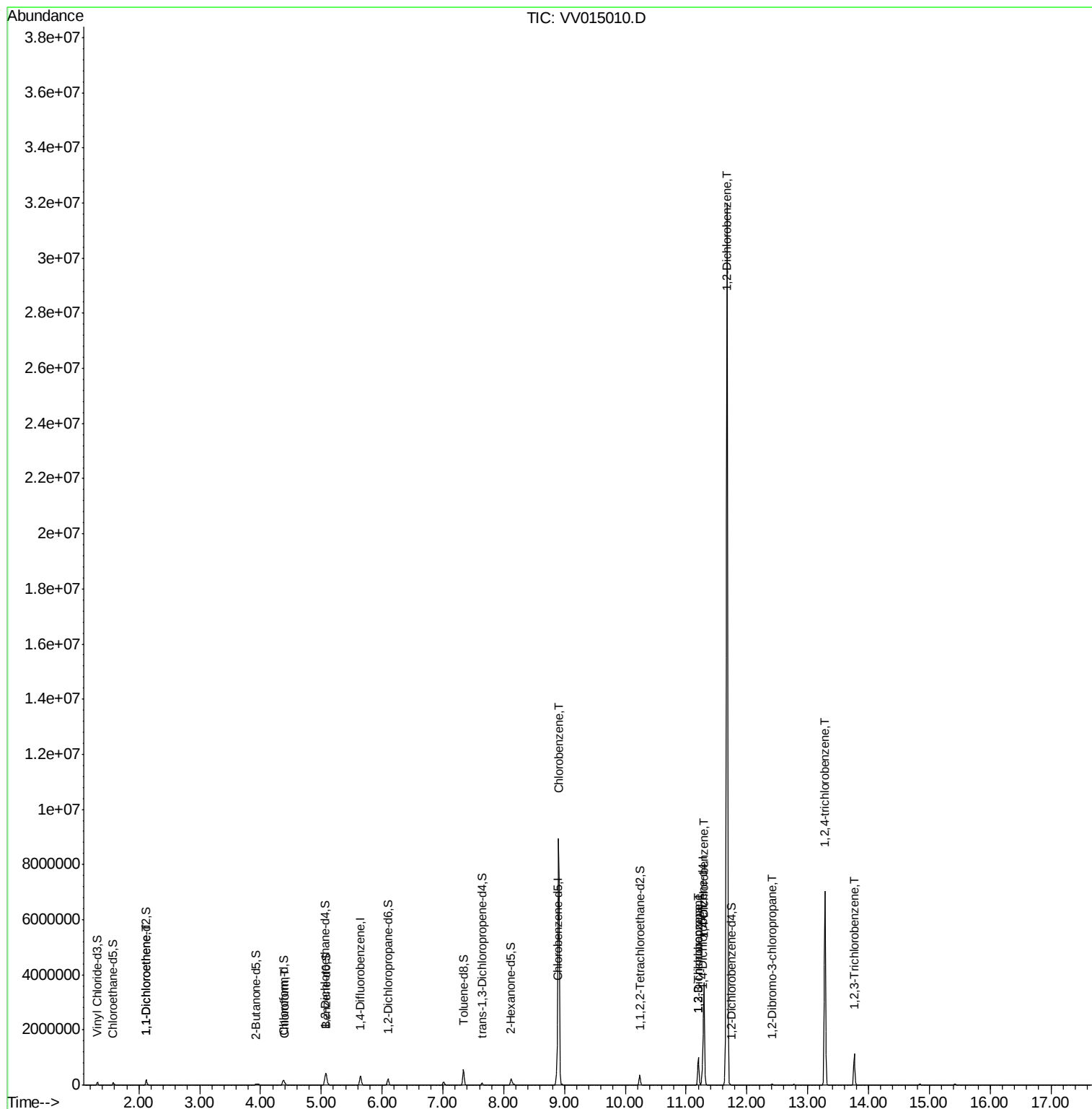
					Qvalue
12) 1,1-Dichloroethene	2.12	96	1085	0.730 ug/L #	1
25) Chloroform	4.41	83	8205	1.980 ug/L	88
51) Chlorobenzene	8.90	112	4920622	741.845 ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	111980	38.072 ug/L #	43
62) 1,3-Dichlorobenzene	11.20	146	431248	75.158 ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	1549820	268.136 ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	13611918	2374.871 ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.42	75	7964	9.243 ug/L #	1
68) 1,2,4-trichlorobenzene	13.28	180	2287668	570.526 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	365653	92.123 ug/L	98

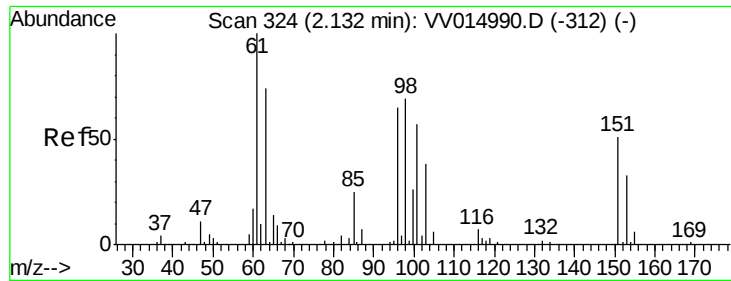
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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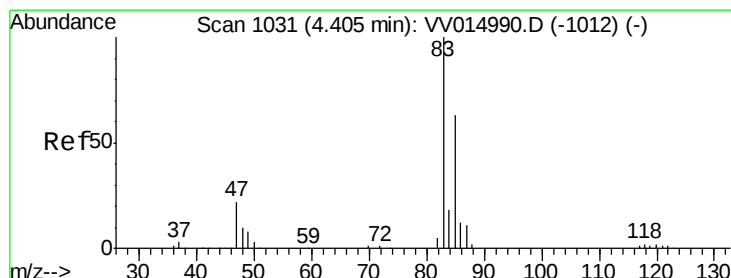
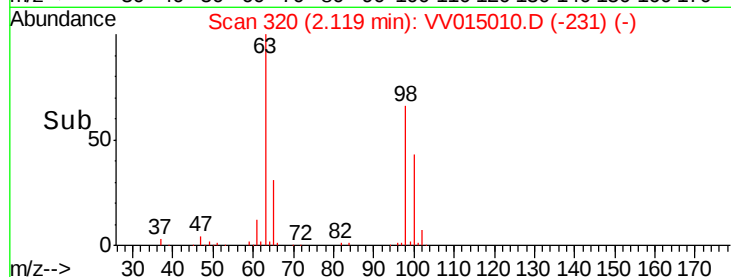
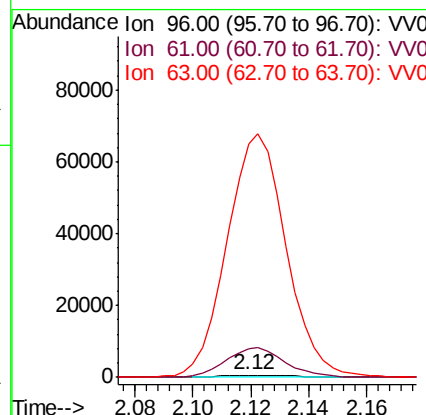
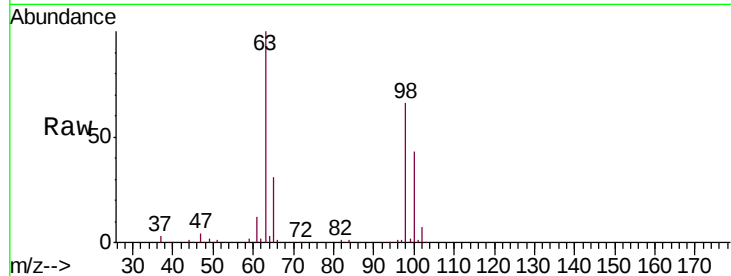




#12
 1,1-Dichloroethene
 Concen: 0.730 ug/L
 RT: 2.12 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: VV015010.D
 Acq: 18 Mar 2020 06:25

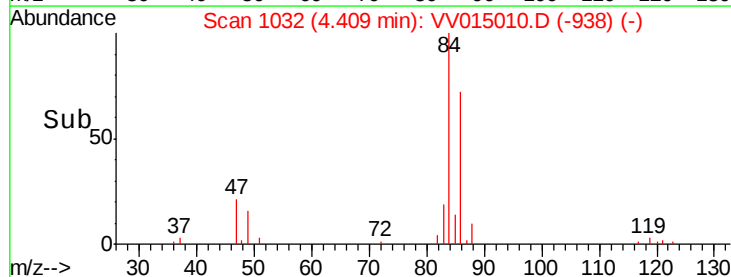
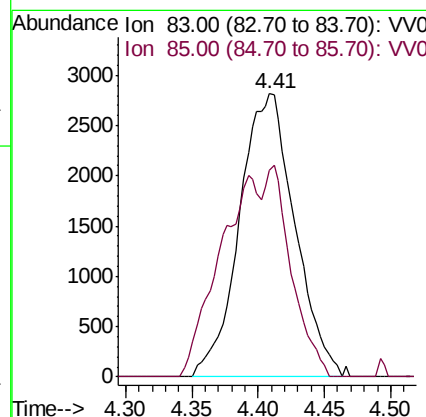
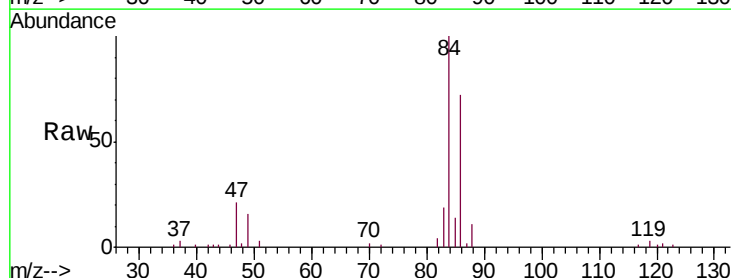
Instrument :
 MSVOA_V
 ClientSampled :
 C0DC2

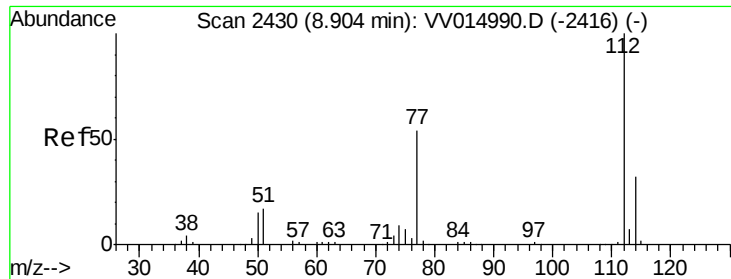
Tgt Ion: 96 Resp: 1085
 Ion Ratio Lower Upper
 96 100
 61 1236.0 115.7 214.9#
 63 9971.8 99.2 184.2#



#25
 Chloroform
 Concen: 1.980 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: VV015010.D
 Acq: 18 Mar 2020 06:25

Tgt Ion: 83 Resp: 8205
 Ion Ratio Lower Upper
 83 100
 85 72.9 44.6 82.8





#51

Chlorobenzene

Concen: 741.845 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015010.D

Acq: 18 Mar 2020 06:25

Instrument :

MSVOA_V

ClientSampleId :

C0DC2

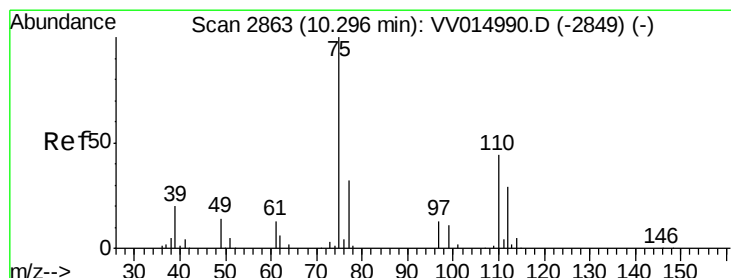
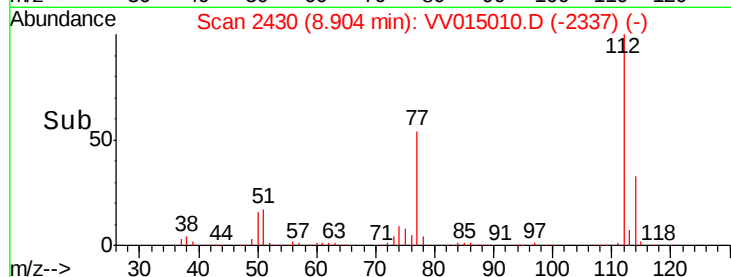
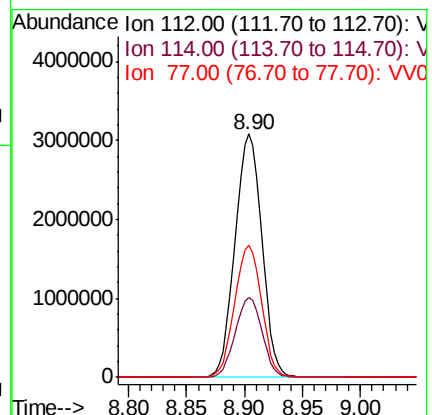
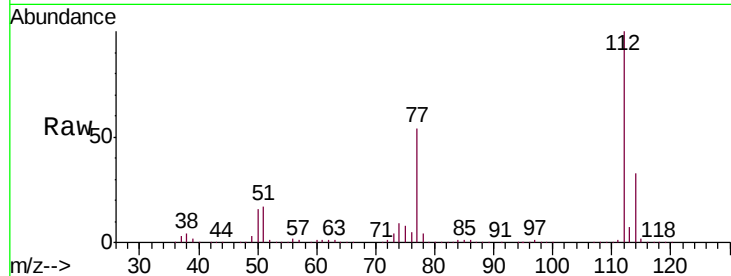
Tgt Ion:112 Resp: 4920622

Ion Ratio Lower Upper

112 100

114 32.8 22.8 42.4

77 54.1 44.5 66.7



#59

1,2,3-Trichloropropane

Concen: 38.072 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. 0.90 min

Lab File: VV015010.D

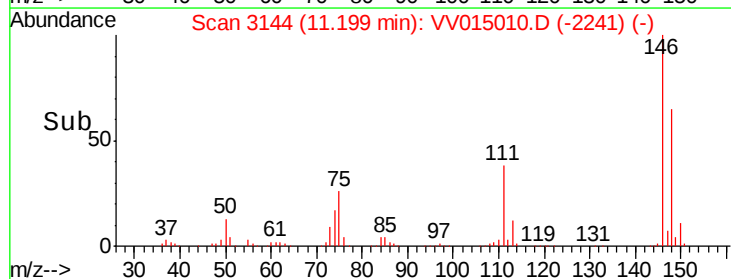
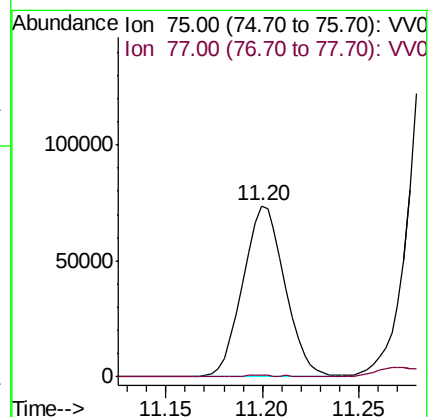
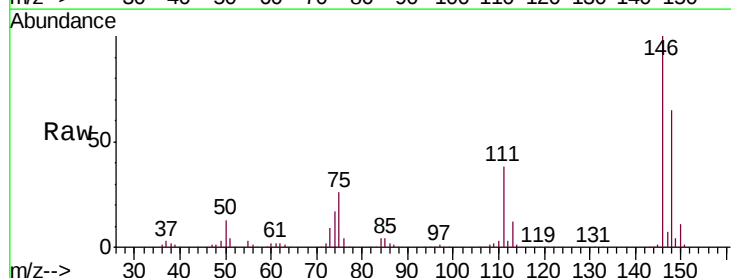
Acq: 18 Mar 2020 06:25

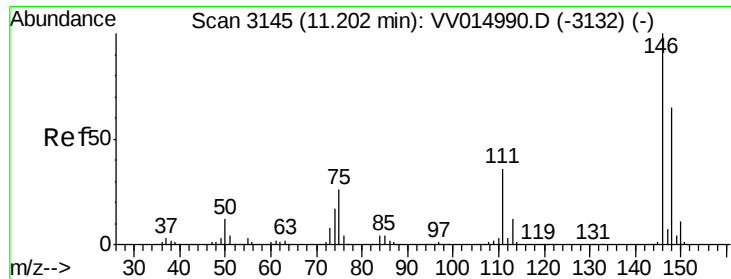
Tgt Ion: 75 Resp: 111980

Ion Ratio Lower Upper

75 100

77 0.7 26.6 40.0#

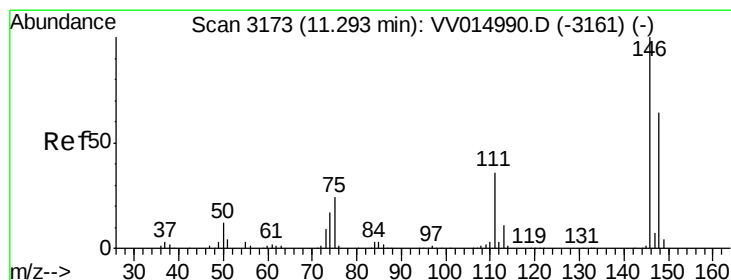
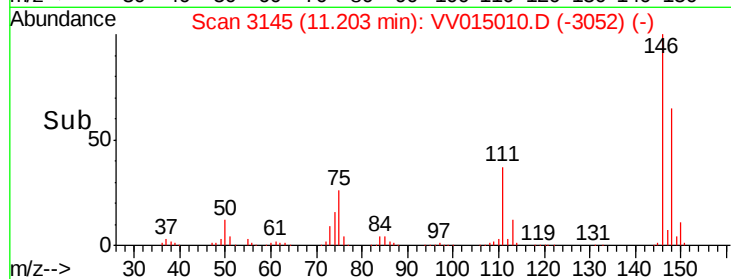
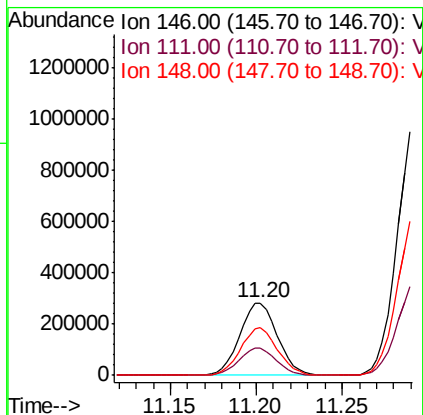
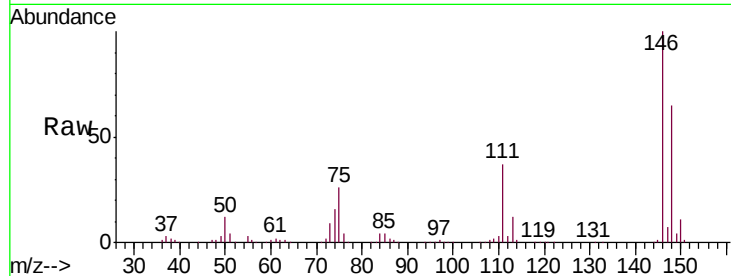




#62
 1,3-Dichlorobenzene
 Concen: 75.158 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015010.D
 Acq: 18 Mar 2020 06:25

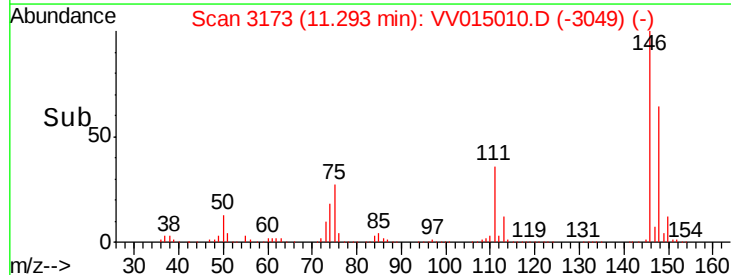
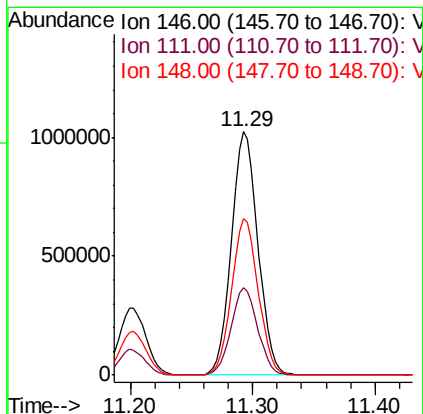
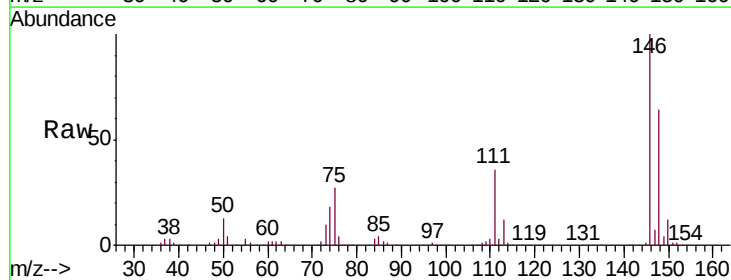
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC2

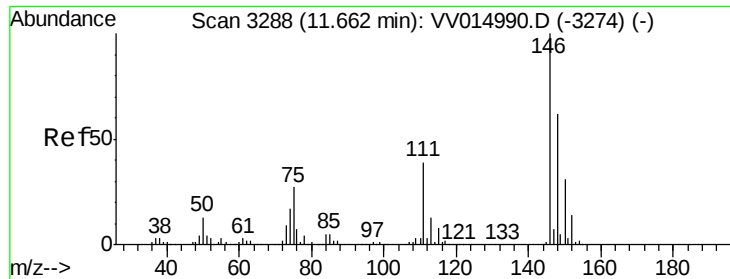
Tgt Ion:146 Resp: 431248
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.5 49.3
 148 65.3 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 268.136 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV015010.D
 Acq: 18 Mar 2020 06:25

Tgt Ion:146 Resp: 1549820
 Ion Ratio Lower Upper
 146 100
 111 36.0 26.0 48.2
 148 64.1 46.1 85.5





#65

1,2-Dichlorobenzene

Concen: 2374.871 ug/L

RT: 11.68 min Scan# 3292

Delta R.T. 0.01 min

Lab File: VV015010.D

Acq: 18 Mar 2020 06:25

Instrument :

MSVOA_V

ClientSampleId :

C0DC2

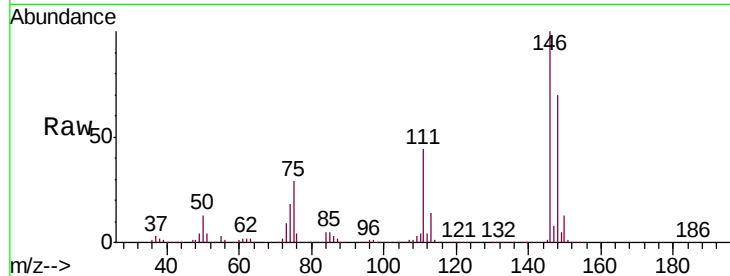
Tgt Ion:146 Resp:13611918

Ion Ratio Lower Upper

146 100

111 43.6 31.6 47.4

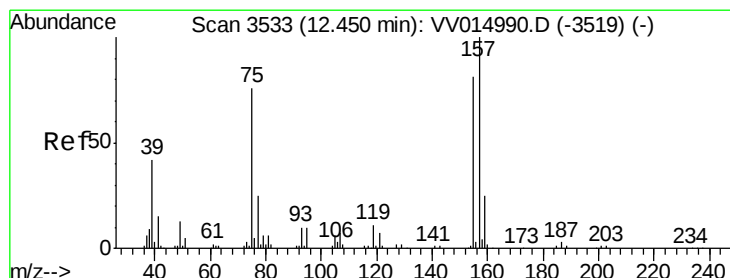
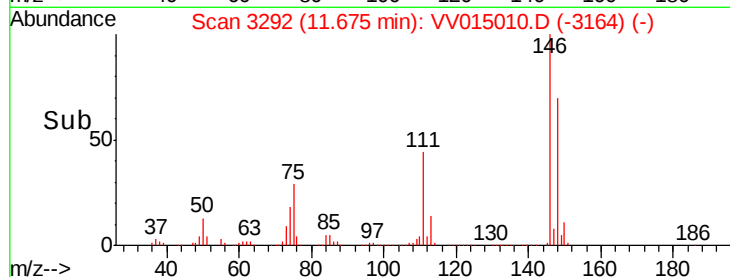
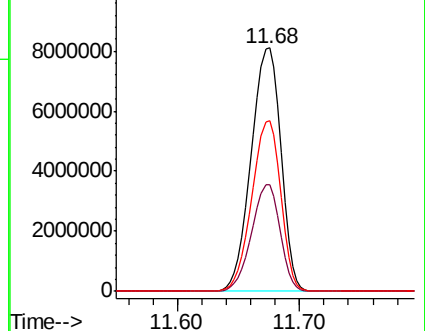
148 70.2 52.2 78.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 9.243 ug/L

RT: 12.42 min Scan# 3523

Delta R.T. -0.03 min

Lab File: VV015010.D

Acq: 18 Mar 2020 06:25

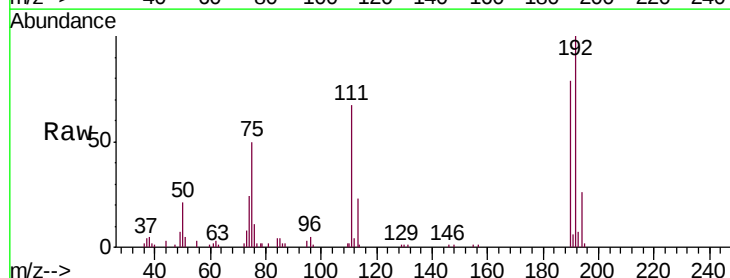
Tgt Ion: 75 Resp: 7964

Ion Ratio Lower Upper

75 100

155 2.7 77.7 116.5#

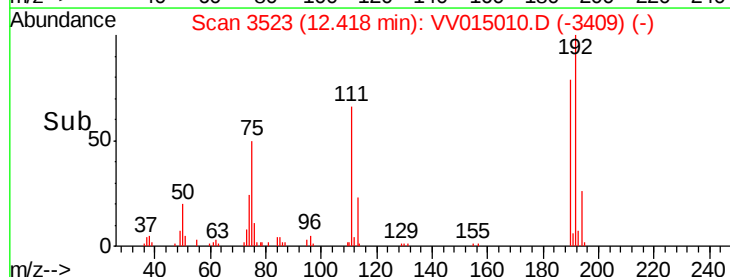
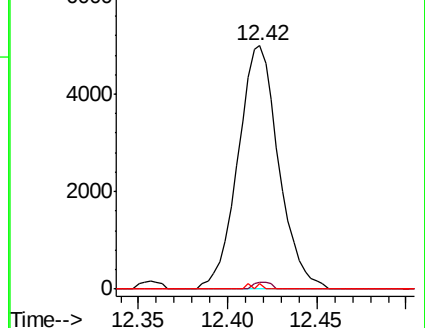
157 2.1 97.2 145.8#

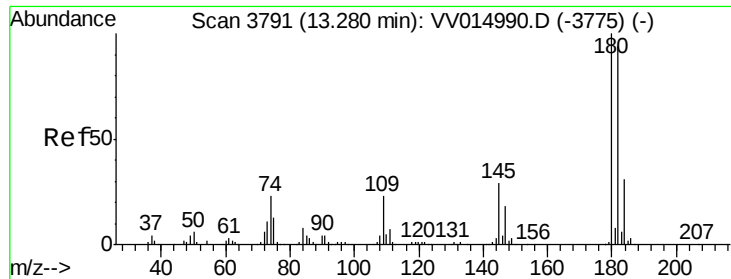


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

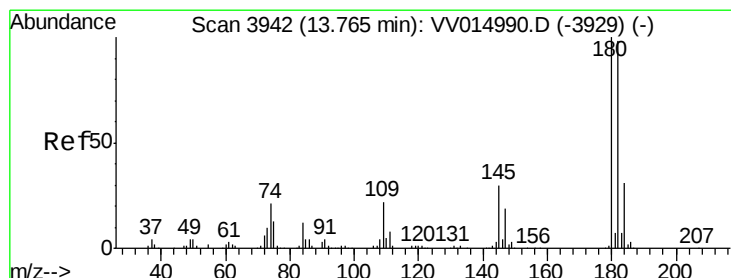
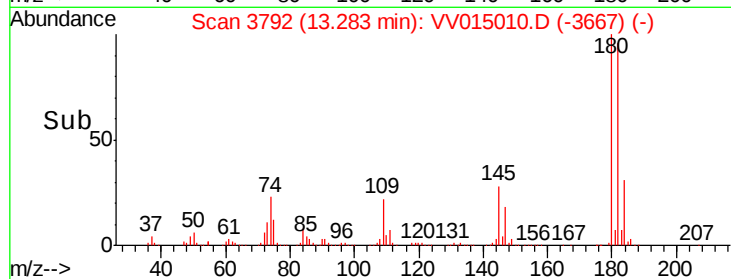
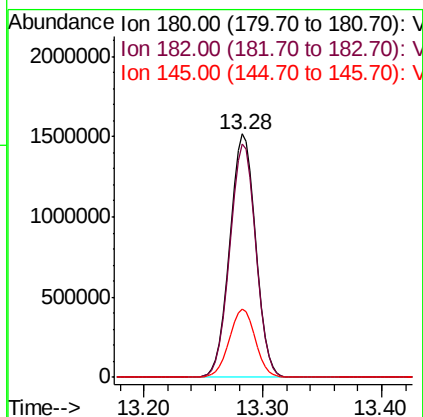
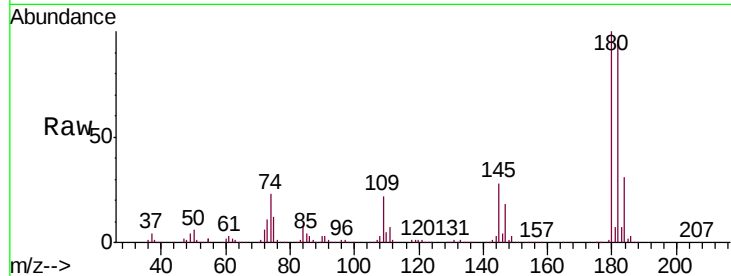




#68
 1,2,4-trichlorobenzene
 Concen: 570.526 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015010.D
 Acq: 18 Mar 2020 06:25

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC2

Tgt Ion:180 Resp: 2287668
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.3 114.5
 145 28.0 23.1 34.7



#70
 1,2,3-Trichlorobenzene
 Concen: 92.123 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV015010.D
 Acq: 18 Mar 2020 06:25

Tgt Ion:180 Resp: 365653
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.2 114.4
 145 29.5 24.1 36.1

