

Data File : VV015009.D
Acq On : 18 Mar 2020 06:00
Operator : SY/MD
Sample : L1941-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DC0

Quant Time: Mar 18 07:48:51 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	304602	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	299110	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155951	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75513	37.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.42%
7) Chloroethane-d5	1.58	69	62913	41.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.48%
11) 1,1-Dichloroethene-d2	2.12	63	97811	31.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.84%
21) 2-Butanone-d5	3.93	46	105343	85.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.14%
24) Chloroform-d	4.38	84	195292	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
26) 1,2-Dichloroethane-d4	5.06	65	125968	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
32) Benzene-d6	5.08	84	384227	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
36) 1,2-Dichloropropane-d6	6.10	67	115188	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.88%
41) Toluene-d8	7.34	98	372702	45.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.46%
43) trans-1,3-Dichloropropene-	7.64	79	49221	37.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.46%
47) 2-Hexanone-d5	8.12	63	99394	89.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.74%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	167756	46.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	167798	49.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.24%

Target Compounds

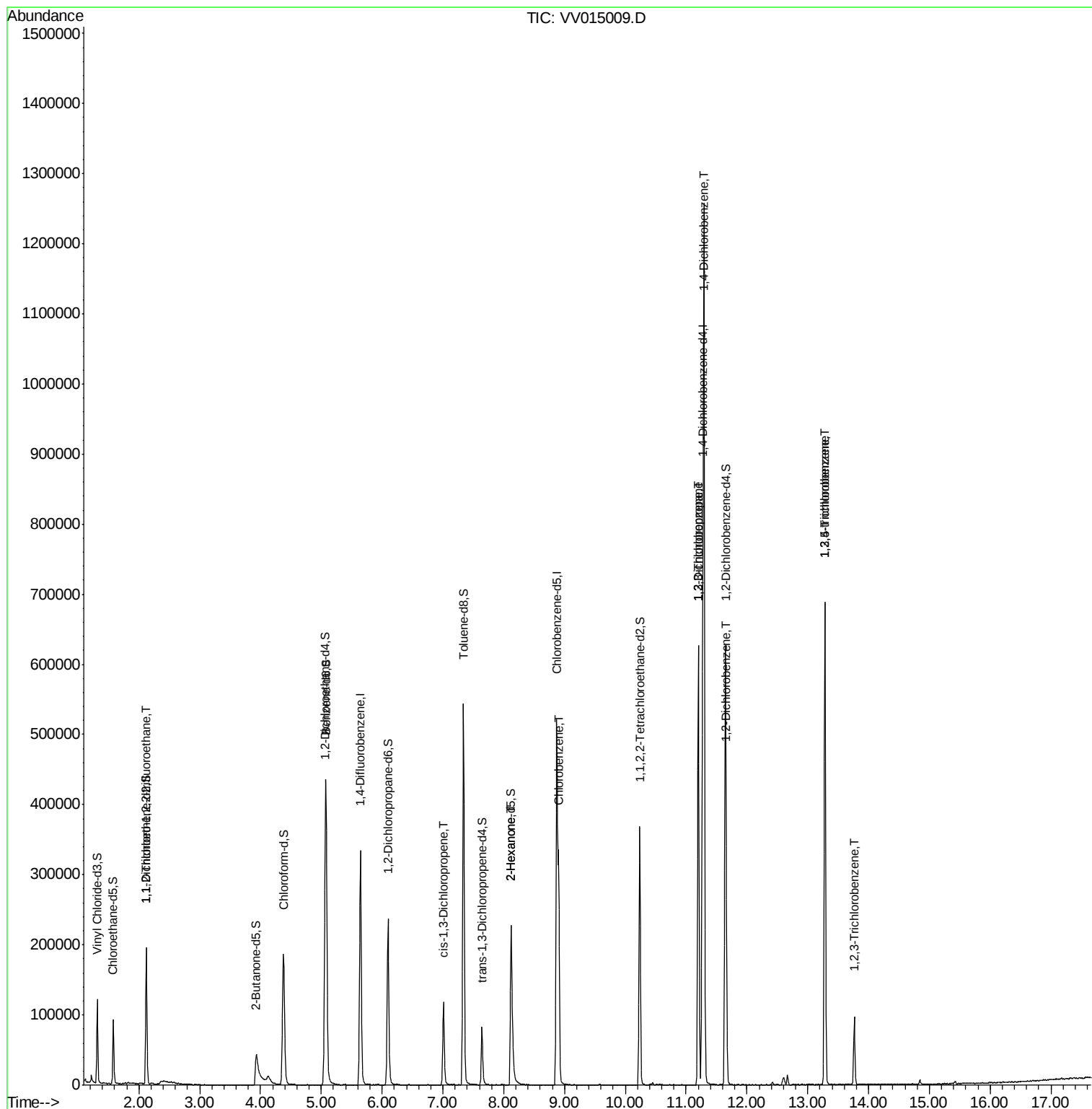
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1146	0.730	ug/L #	15
39) cis-1,3-Dichloropropene	7.01	75	2985	0.890	ug/L #	66
48) 2-Hexanone	8.12	43	10664	4.894	ug/L #	54
51) Chlorobenzene	8.90	112	177458	28.138	ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	69506	24.854	ug/L #	43
62) 1,3-Dichlorobenzene	11.20	146	267633	52.077	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	510610	98.633	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	45957	8.952	ug/L	95
67) 1,3,5-Trichlorobenzene	13.28	180	227383	56.433	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	227383	63.314	ug/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	32319	9.091	ug/L	98

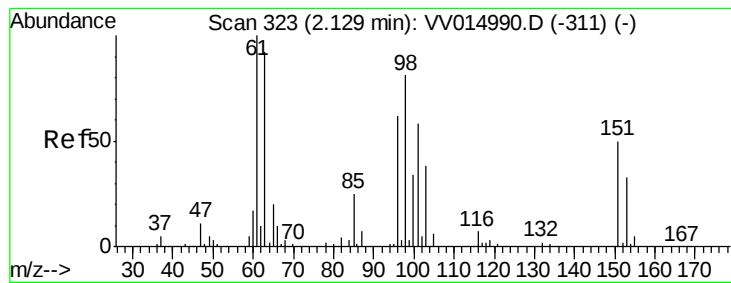
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.730 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015009.D

Acq: 18 Mar 2020 06:00

Instrument :

MSVOA_V

ClientSampleId :

C0DC0

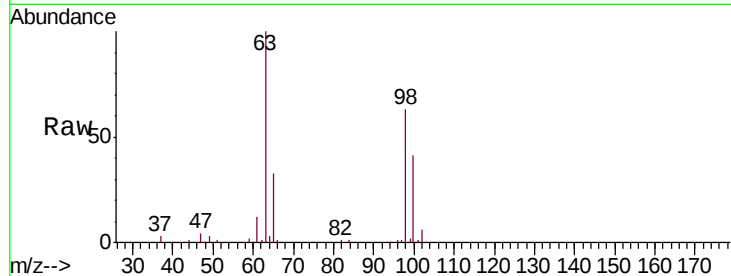
Tgt Ion:101 Resp: 1146

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

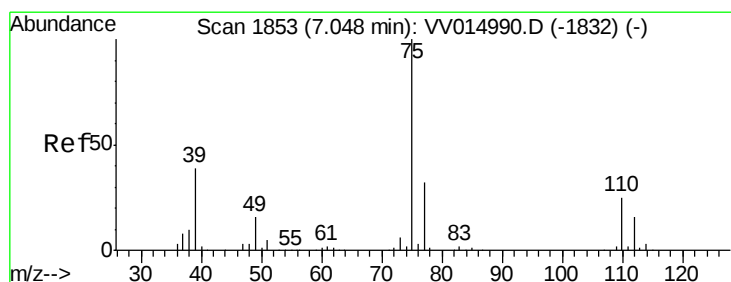
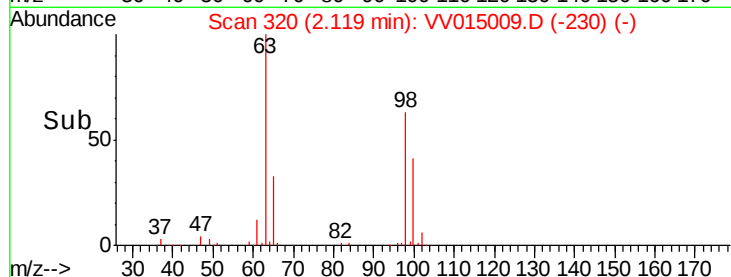
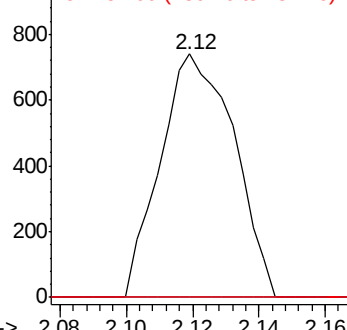
151 0.0 70.1 105.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#39

cis-1,3-Dichloropropene

Concen: 0.890 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV015009.D

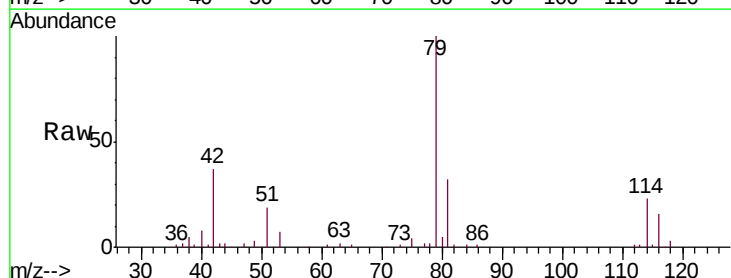
Acq: 18 Mar 2020 06:00

Tgt Ion: 75 Resp: 2985

Ion Ratio Lower Upper

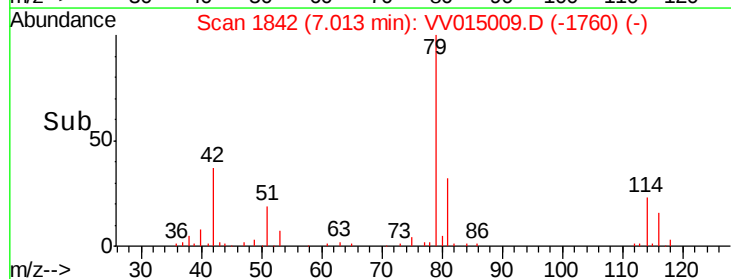
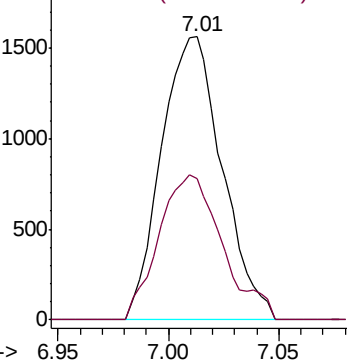
75 100

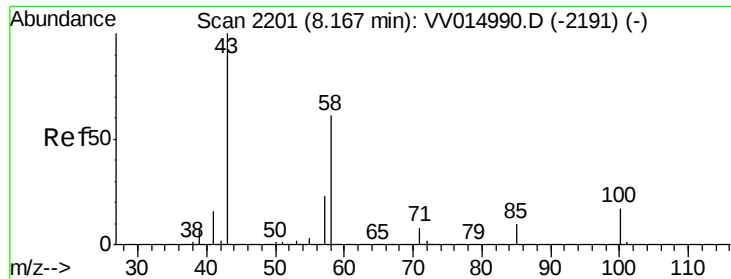
77 49.9 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

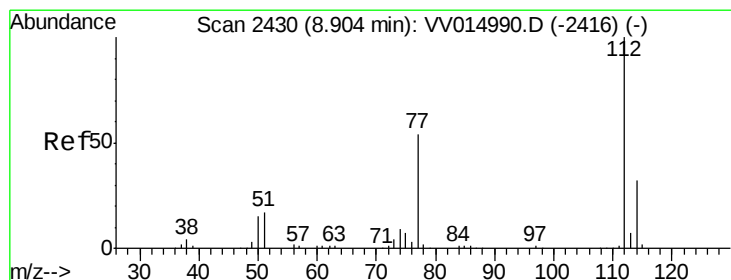
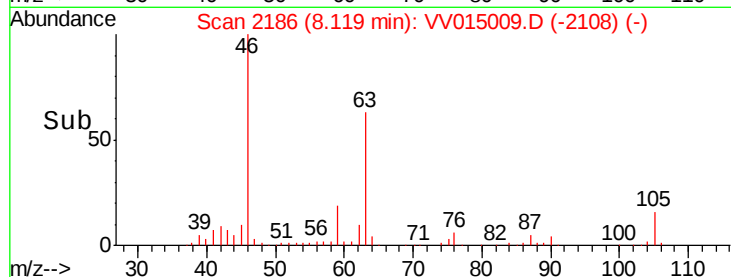
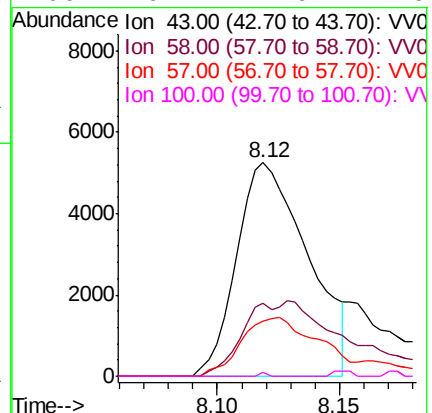
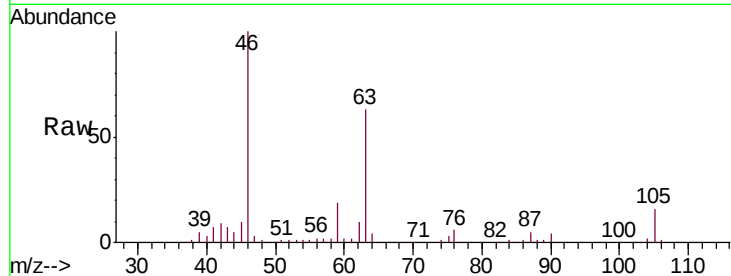




#48
2-Hexanone
Concen: 4.894 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV015009.D
Acq: 18 Mar 2020 06:00

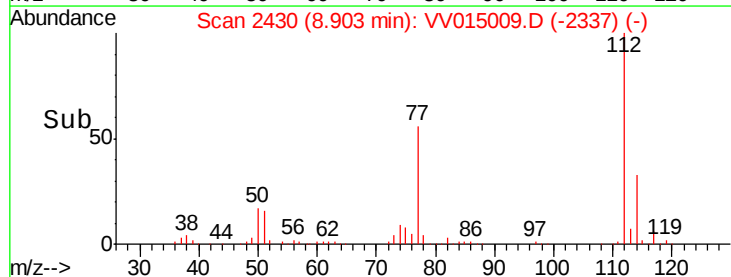
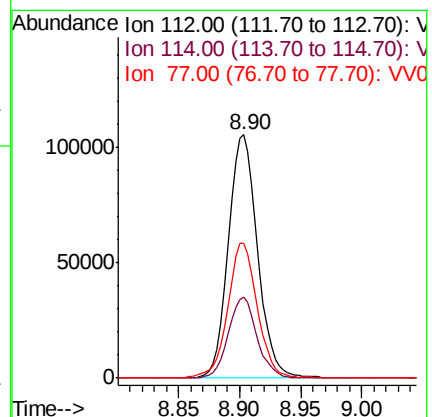
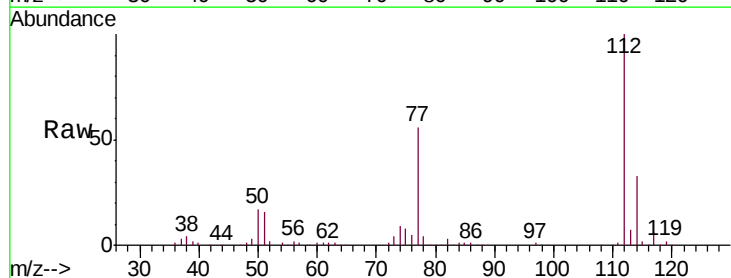
Instrument :
MSVOA_V
ClientSampleId :
C0DC0

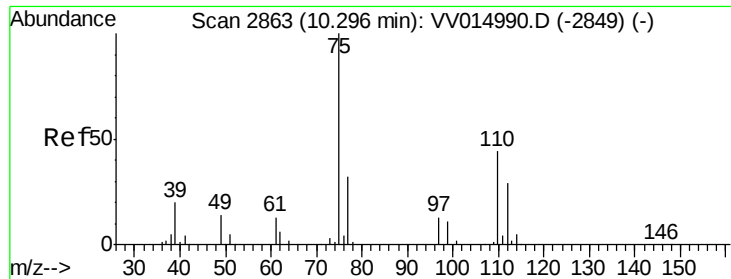
Tgt Ion: 43 Resp: 10664
Ion Ratio Lower Upper
43 100
58 15.7 46.9 70.3#
57 30.0 16.2 24.4#
100 0.7 11.9 17.9#



#51
Chlorobenzene
Concen: 28.138 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015009.D
Acq: 18 Mar 2020 06:00

Tgt Ion: 112 Resp: 177458
Ion Ratio Lower Upper
112 100
114 33.5 22.8 42.4
77 55.6 44.5 66.7





#59

1,2,3-Trichloropropane

Concen: 24.854 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. 0.90 min

Lab File: VV015009.D

Acq: 18 Mar 2020 06:00

Instrument :

MSVOA_V

ClientSampled :

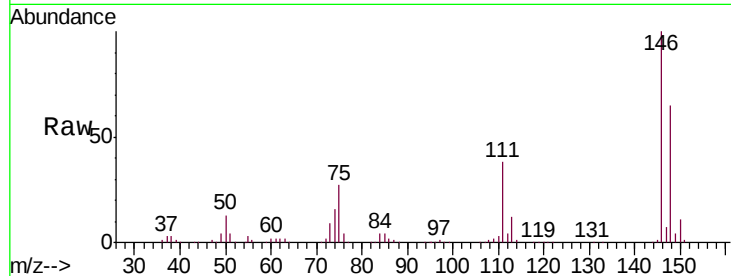
C0DC0

Tgt Ion: 75 Resp: 69506

Ion Ratio Lower Upper

75 100

77 0.7 26.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VV014990.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV014990.D (-2849) (-)

11.20

50000

40000

30000

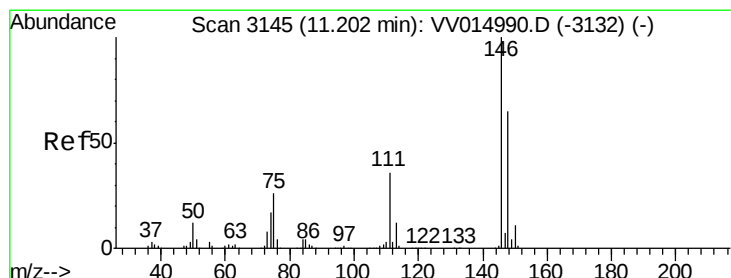
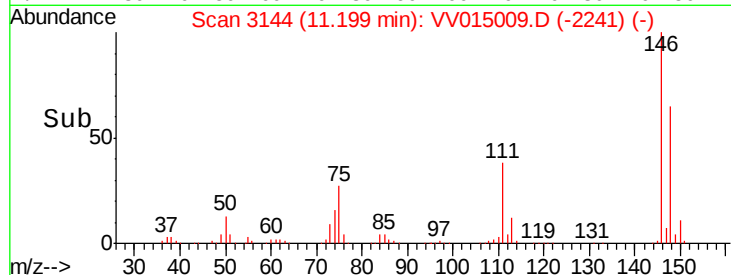
20000

10000

0

Time-->

11.15 11.20 11.25



#62

1,3-Dichlorobenzene

Concen: 52.077 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015009.D

Acq: 18 Mar 2020 06:00

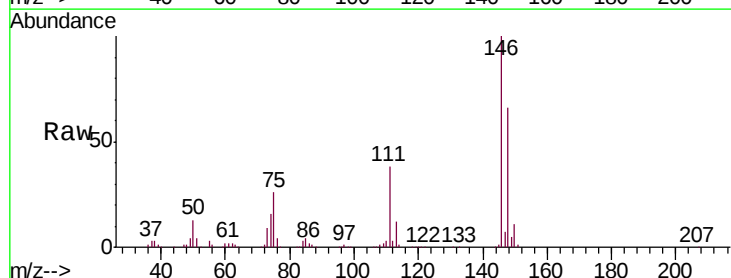
Tgt Ion: 146 Resp: 267633

Ion Ratio Lower Upper

146 100

111 37.6 26.5 49.3

148 65.9 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): VV014990.D (-3132) (-)

Ion 111.00 (110.70 to 111.70): VV014990.D (-3132) (-)

Ion 148.00 (147.70 to 148.70): VV014990.D (-3132) (-)

11.20

400000

300000

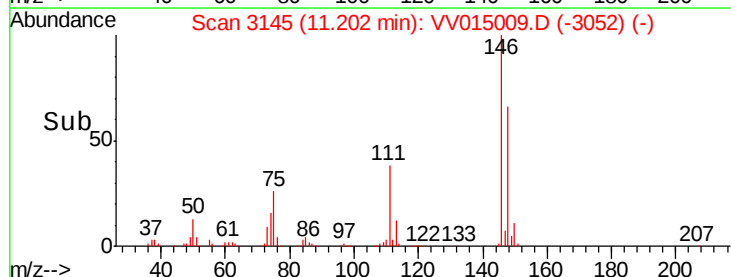
200000

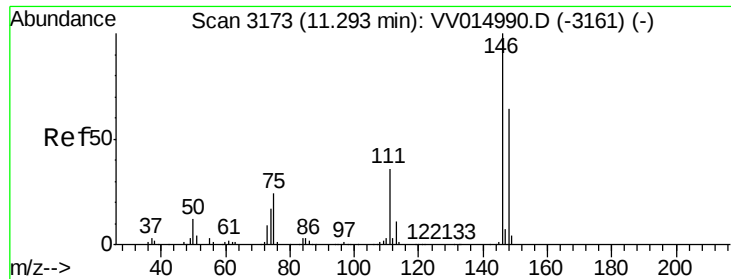
100000

0

Time-->

11.15 11.20 11.25

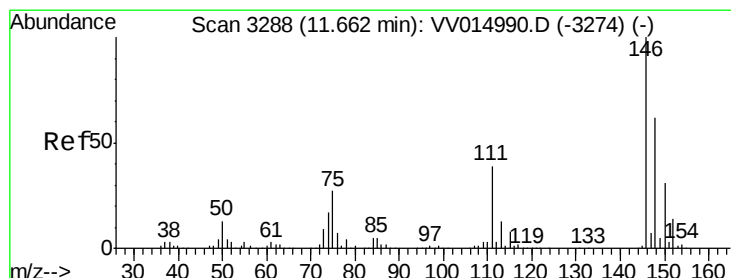
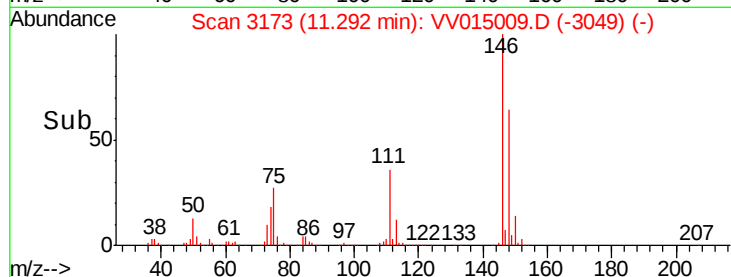
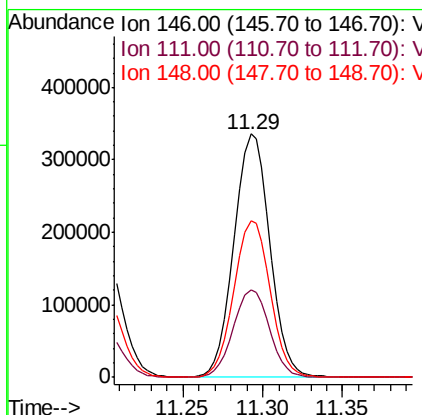
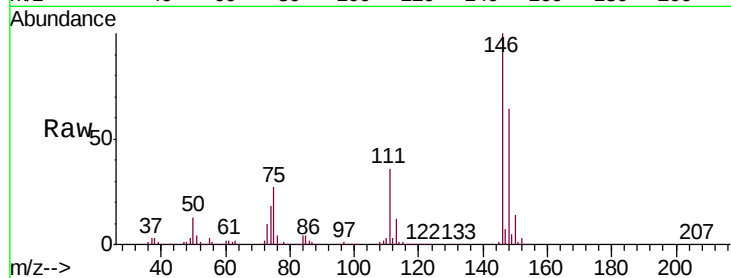




#63
 1,4-Dichlorobenzene
 Concen: 98.633 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV015009.D
 Acq: 18 Mar 2020 06:00

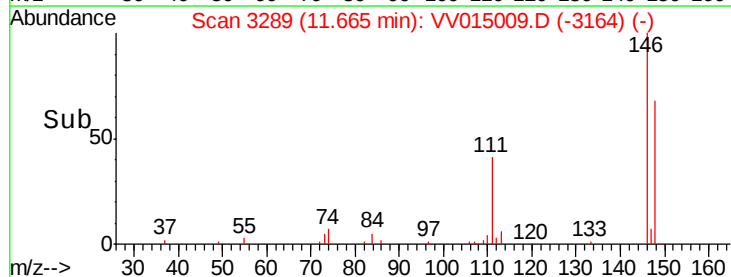
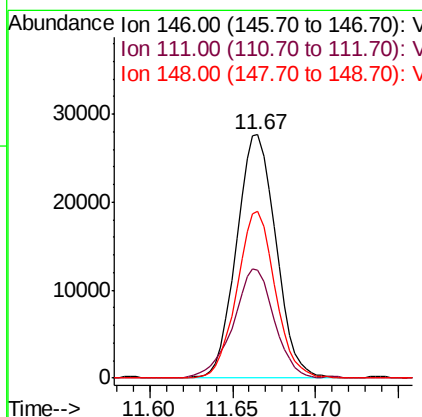
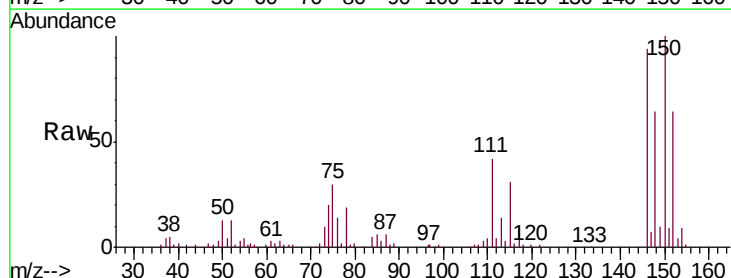
Instrument :
 MSVOA_V
 ClientSampled :
 C0DC0

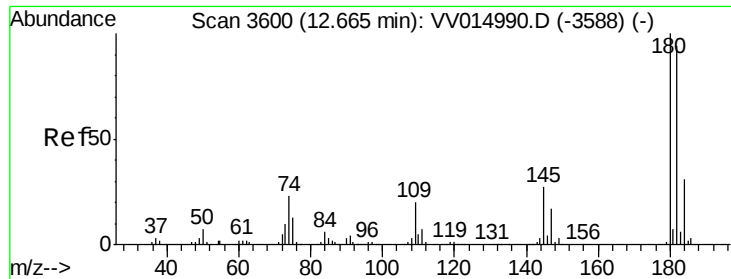
Tgt Ion:146 Resp: 510610
 Ion Ratio Lower Upper
 146 100
 111 36.2 26.0 48.2
 148 64.5 46.1 85.5



#65
 1,2-Dichlorobenzene
 Concen: 8.952 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015009.D
 Acq: 18 Mar 2020 06:00

Tgt Ion:146 Resp: 45957
 Ion Ratio Lower Upper
 146 100
 111 44.2 31.6 47.4
 148 68.4 52.2 78.4

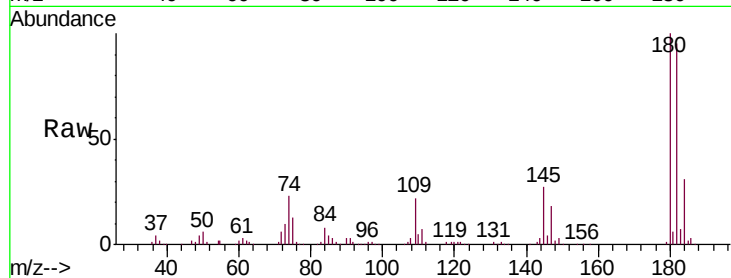




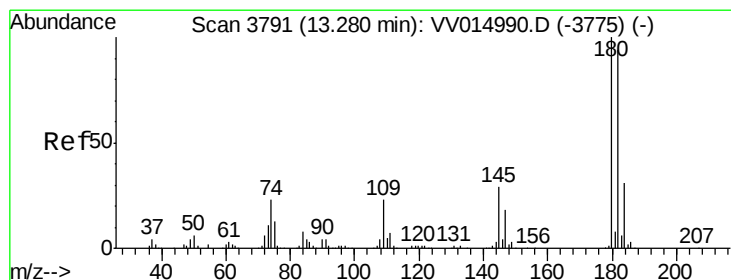
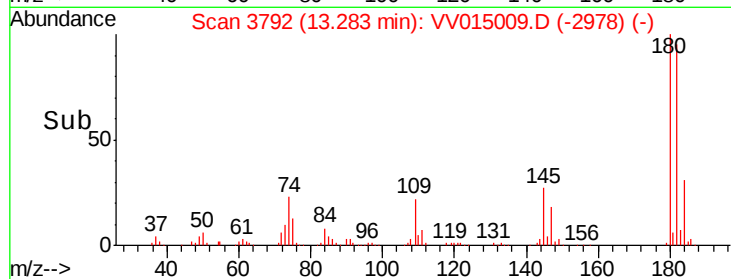
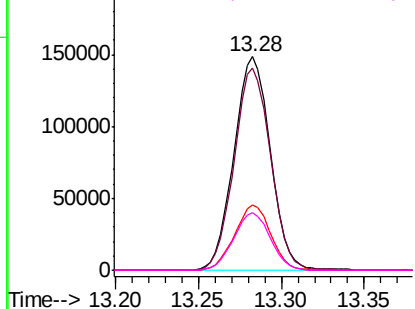
#67
 1,3,5-Trichlorobenzene
 Concen: 56.433 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV015009.D
 Acq: 18 Mar 2020 06:00

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC0

Tgt Ion:180 Resp: 227383
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.7 113.5
 184 30.3 24.2 36.4
 145 27.0 22.0 33.0

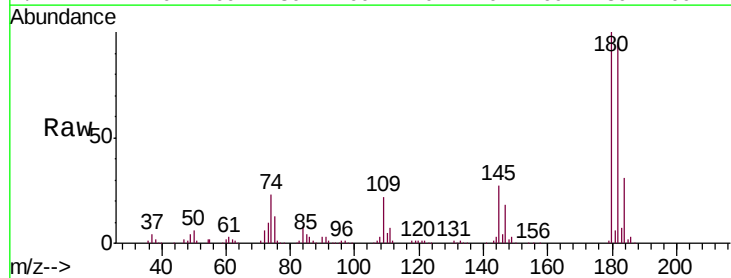


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

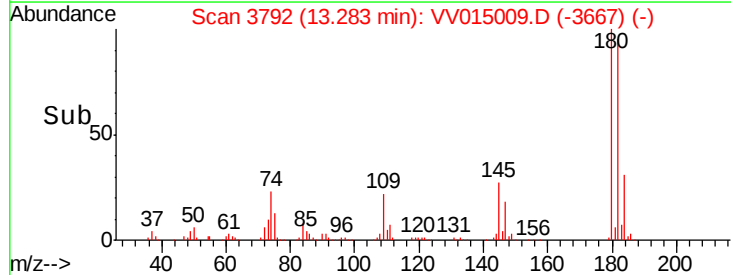
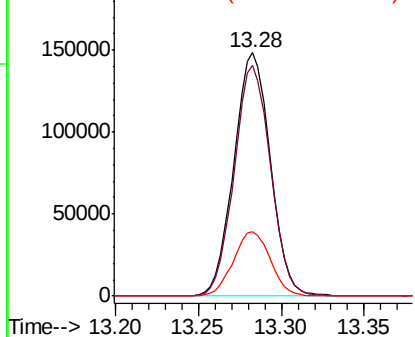


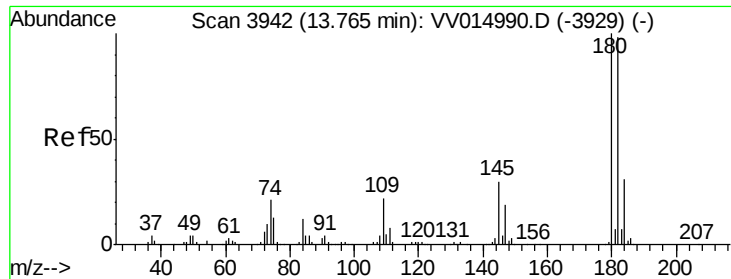
#68
 1,2,4-trichlorobenzene
 Concen: 63.314 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015009.D
 Acq: 18 Mar 2020 06:00

Tgt Ion:180 Resp: 227383
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.3 114.5
 145 27.0 23.1 34.7



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





#70
 1,2,3-Trichlorobenzene
 Concen: 9.091 ug/L
 RT: 13.76 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV015009.D
 Acq: 18 Mar 2020 06:00

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC0

Tgt Ion:	180	Resp:	32319
Ion	Ratio	Lower	Upper
180	100		
182	97.7	76.2	114.4
145	28.8	24.1	36.1

