

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014948.D
 Acq On : 16 Mar 2020 16:07
 Operator : SY/MD
 Sample : L1890-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DG0

Quant Time: Mar 18 03:20:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	357249	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	345641	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167031	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107925	45.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.70%
7) Chloroethane-d5	1.58	69	82345	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.16%
11) 1,1-Dichloroethene-d2	2.12	63	129230	35.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.78%
21) 2-Butanone-d5	3.93	46	105110	72.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	72.43%
24) Chloroform-d	4.38	84	224209	45.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.42%
26) 1,2-Dichloroethane-d4	5.06	65	147877	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.14%
32) Benzene-d6	5.08	84	463491	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
36) 1,2-Dichloropropane-d6	6.10	67	134277	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.72%
41) Toluene-d8	7.34	98	446405	47.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.64	79	67835	45.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.00%
47) 2-Hexanone-d5	8.12	63	126705	99.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	194631	46.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	185258	50.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.26%

Target Compounds

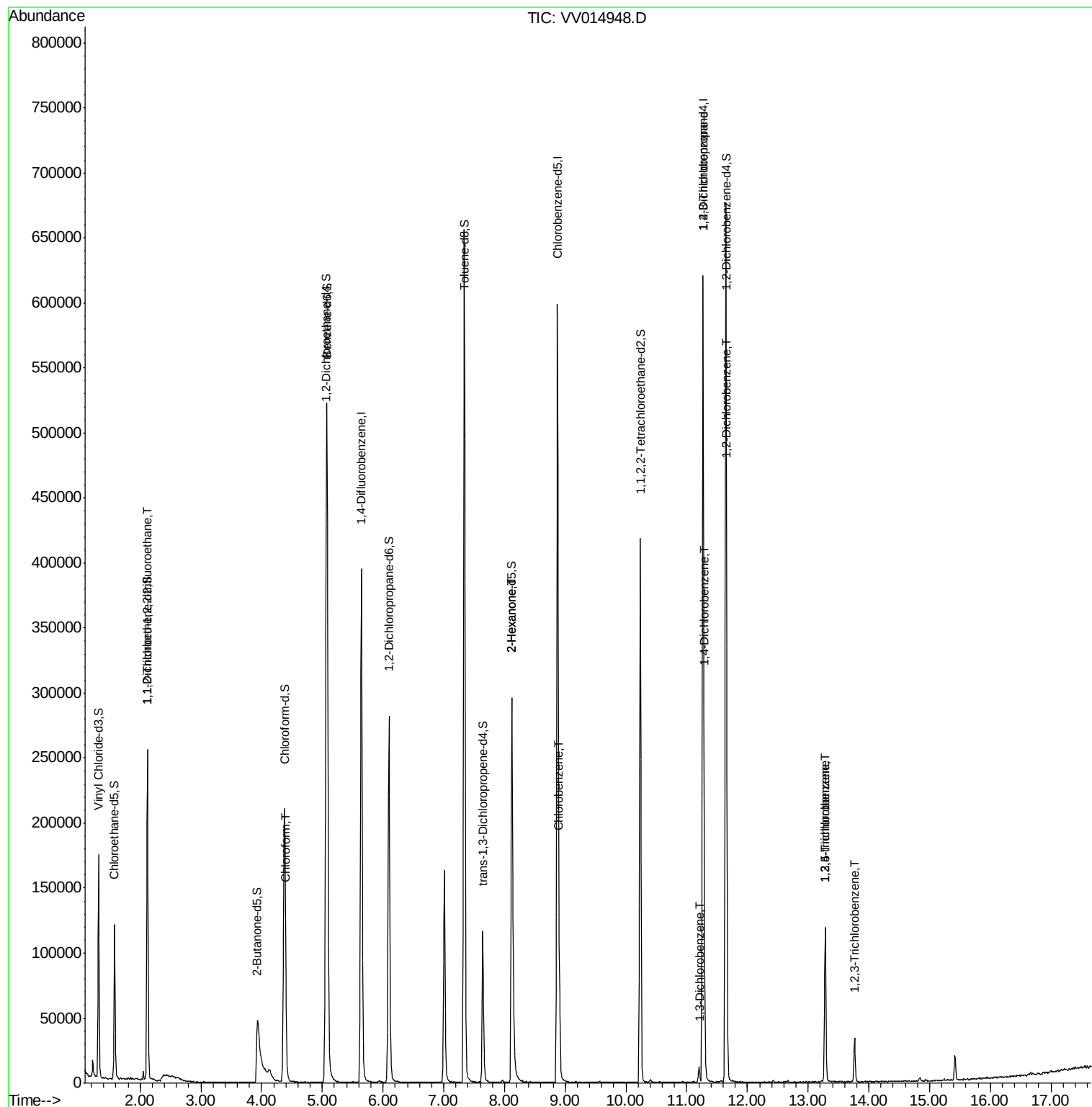
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1432	0.778	ug/L #	15
25) Chloroform	4.41	83	3809	0.814	ug/L	91
48) 2-Hexanone	8.12	43	15813	6.280	ug/L #	67
51) Chlorobenzene	8.90	112	40630	5.575	ug/L	98
59) 1,2,3-Trichloropropane	11.27	75	18118	5.606	ug/L	95
62) 1,3-Dichlorobenzene	11.21	146	6144	1.116	ug/L	92
63) 1,4-Dichlorobenzene	11.29	146	35498	6.402	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	25114	4.568	ug/L	94
67) 1,3,5-Trichlorobenzene	13.28	180	39183	9.079	ug/L	95
68) 1,2,4-trichlorobenzene	13.28	180	39183	10.187	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	12198	3.204	ug/L	94

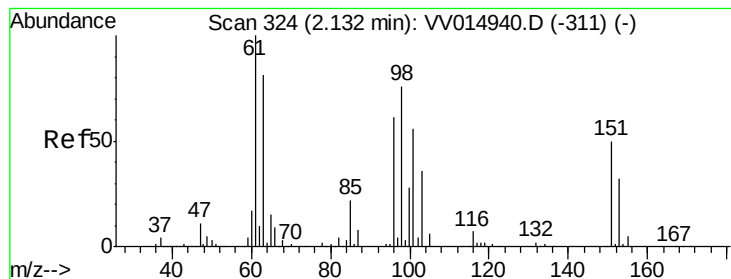
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.778 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014948.D

Acq: 16 Mar 2020 16:07

Instrument :

MSVOA_V

ClientSampleId :

C0DG0

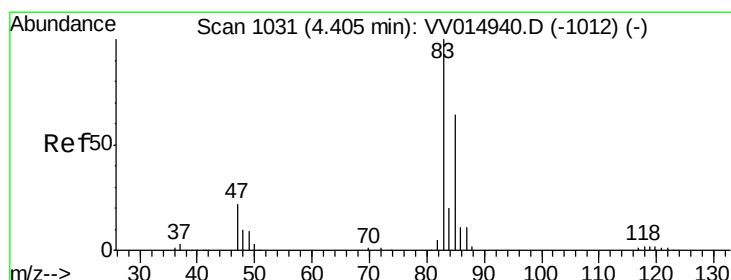
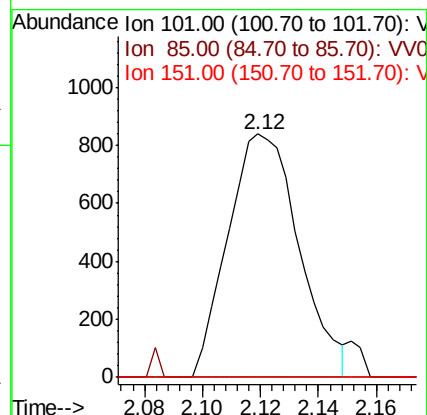
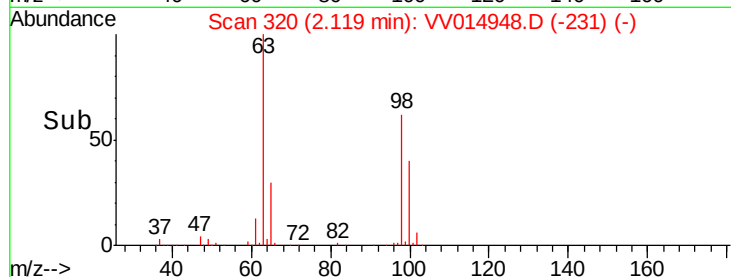
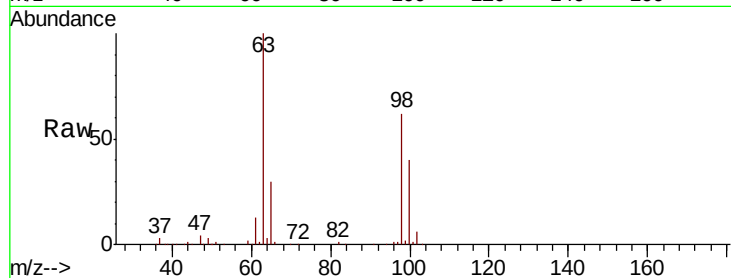
Tot Ion:101 Resp: 1432

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

151 0.0 70.1 105.1#



#25

Chloroform

Concen: 0.814 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV014948.D

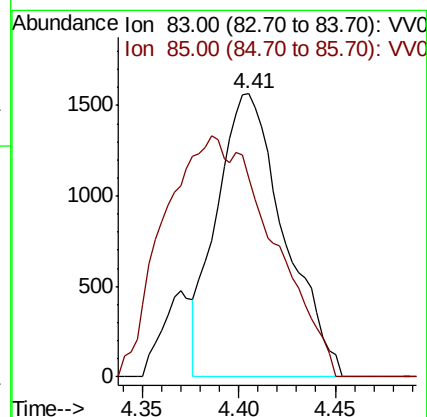
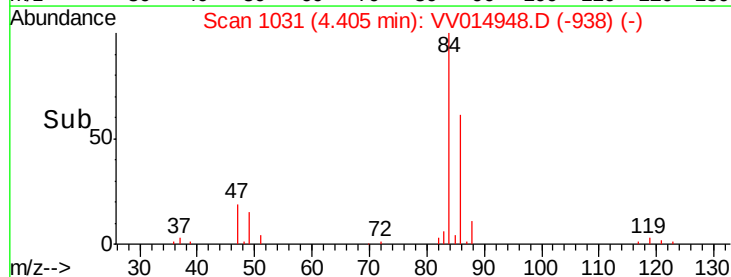
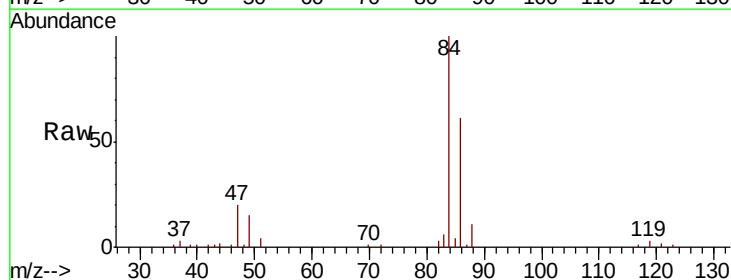
Acq: 16 Mar 2020 16:07

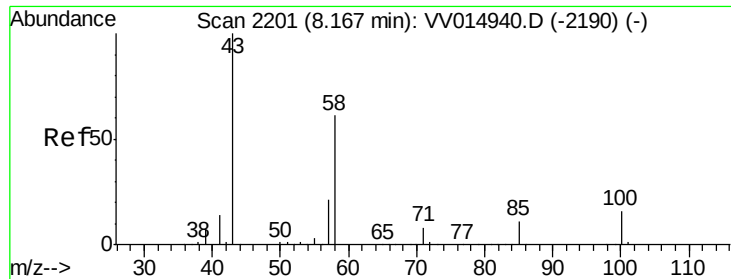
Tgt Ion: 83 Resp: 3809

Ion Ratio Lower Upper

83 100

85 70.4 44.6 82.8

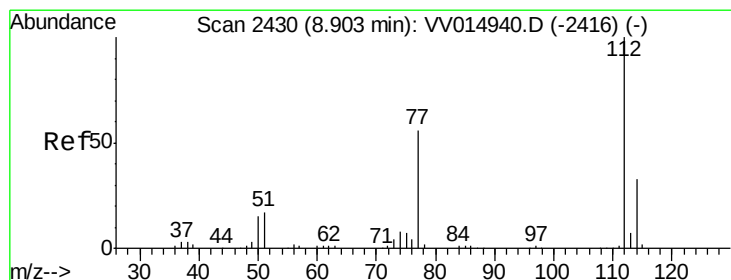
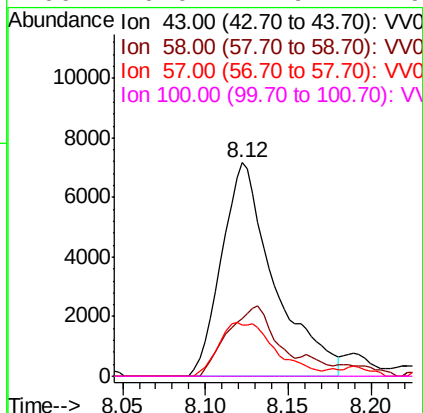
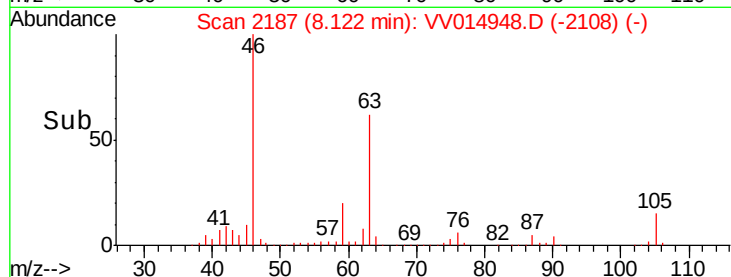
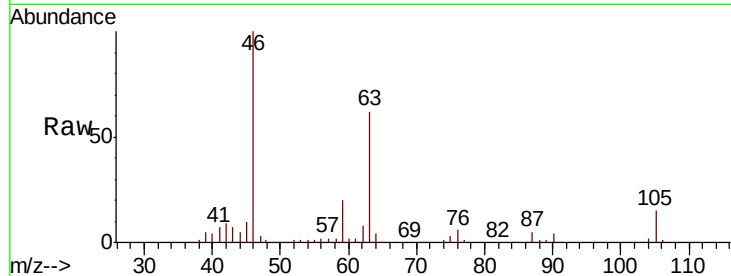




#48
2-Hexanone
Concen: 6.280 ug/L
RT: 8.12 min Scan# 2187
Delta R.T. -0.05 min
Lab File: VV014948.D
Acq: 16 Mar 2020 16:07

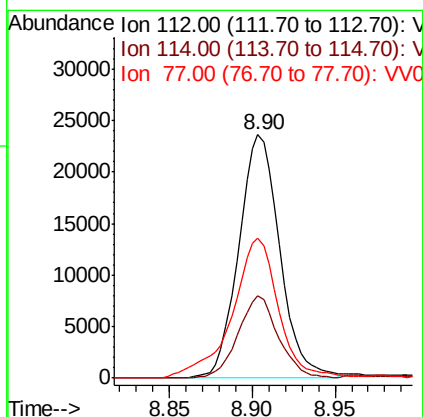
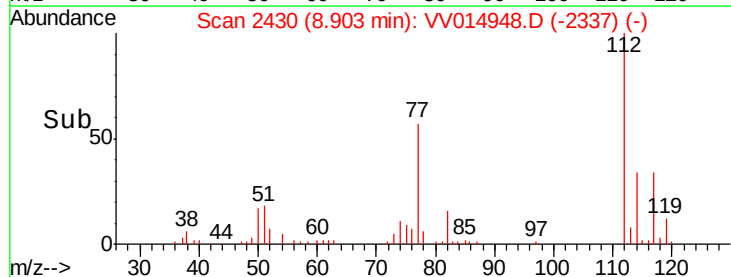
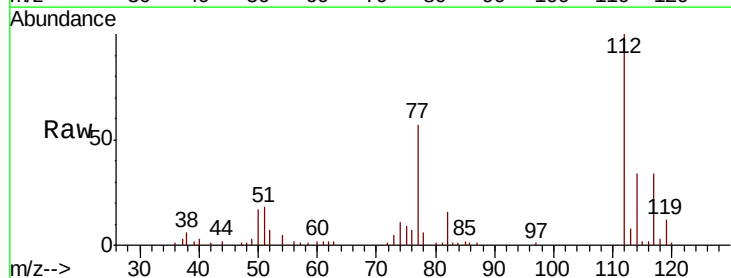
Instrument :
MSVOA_V
ClientSampleId :
C0DG0

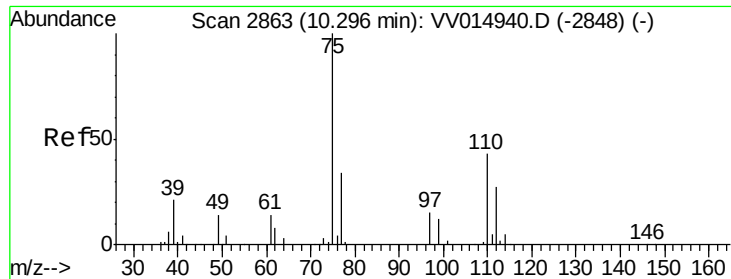
Tot Ion: 43 Resp: 15813
Ion Ratio Lower Upper
43 100
58 29.7 46.9 70.3#
57 14.0 16.2 24.4#
100 0.0 11.9 17.9#



#51
Chlorobenzene
Concen: 5.575 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV014948.D
Acq: 16 Mar 2020 16:07

Tgt Ion: 112 Resp: 40630
Ion Ratio Lower Upper
112 100
114 34.0 22.8 42.4
77 57.4 44.5 66.7





#59

1,2,3-Trichloropropane

Concen: 5.606 ug/L

RT: 11.27 min Scan# 3165

Delta R.T. 0.97 min

Lab File: VV014948.D

Acq: 16 Mar 2020 16:07

Instrument :

MSVOA_V

ClientSampleId :

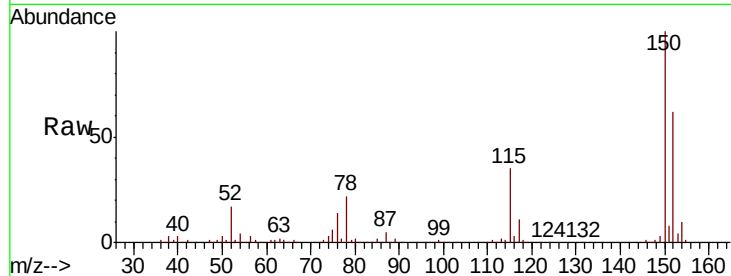
C0DG0

Tot Ion: 75 Resp: 18118

Ion Ratio Lower Upper

75 100

77 36.2 26.6 40.0



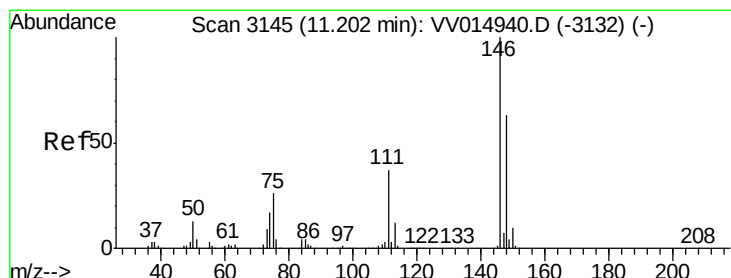
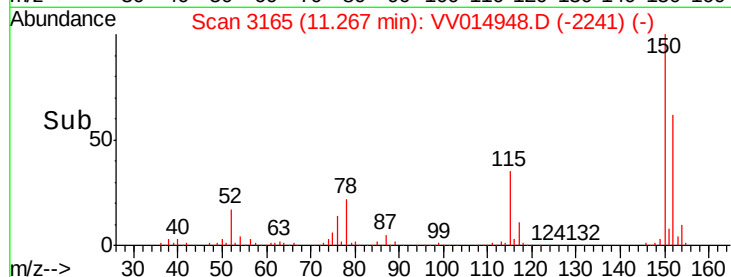
Abundance Ion 75.00 (74.70 to 75.70): VV014940.D (-2848) (-)

Ion 77.00 (76.70 to 77.70): VV014940.D (-2848) (-)

11.27

11.25 11.30

Time-->



#62

1,3-Dichlorobenzene

Concen: 1.116 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV014948.D

Acq: 16 Mar 2020 16:07

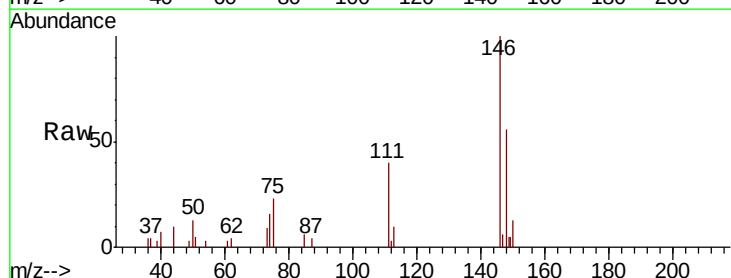
Tgt Ion: 146 Resp: 6144

Ion Ratio Lower Upper

146 100

111 40.0 26.5 49.3

148 56.5 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): VV014940.D (-3132) (-)

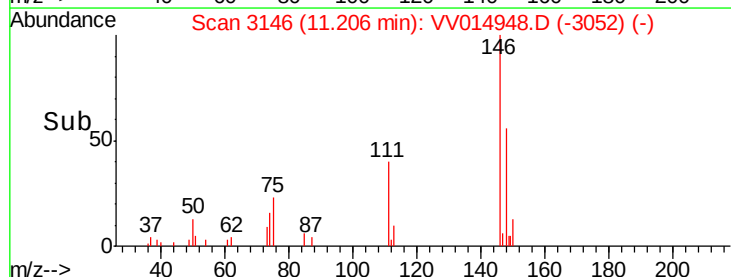
Ion 111.00 (110.70 to 111.70): VV014940.D (-3132) (-)

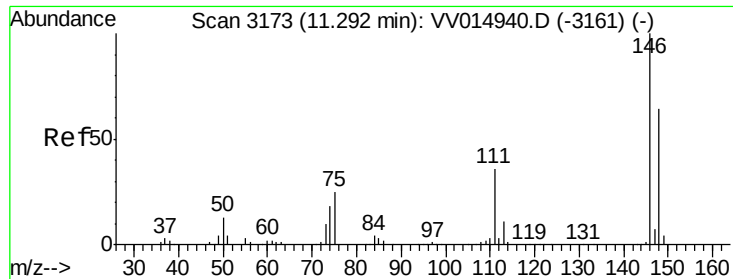
Ion 148.00 (147.70 to 148.70): VV014940.D (-3132) (-)

11.21

11.15 11.25

Time-->





#63

1,4-Dichlorobenzene

Concen: 6.402 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV014948.D

Acq: 16 Mar 2020 16:07

Instrument :

MSVOA_V

ClientSampleId :

C0DG0

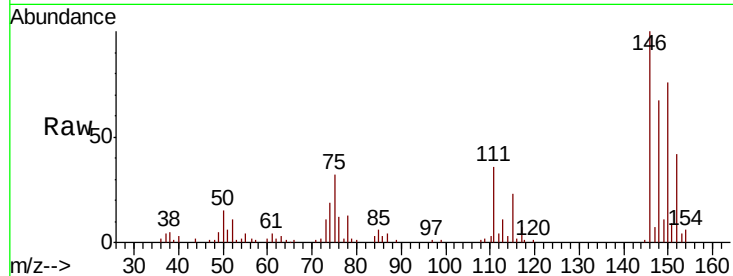
Tot Ion:146 Resp: 35498

Ion Ratio Lower Upper

146 100

111 35.8 26.0 48.2

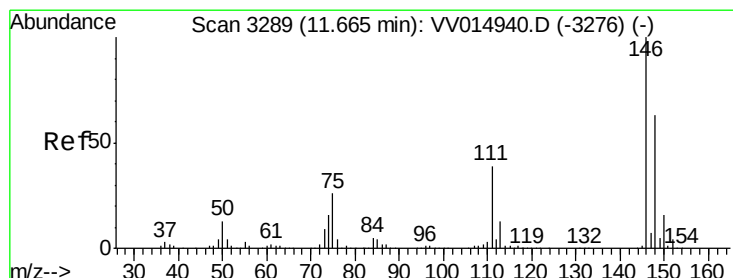
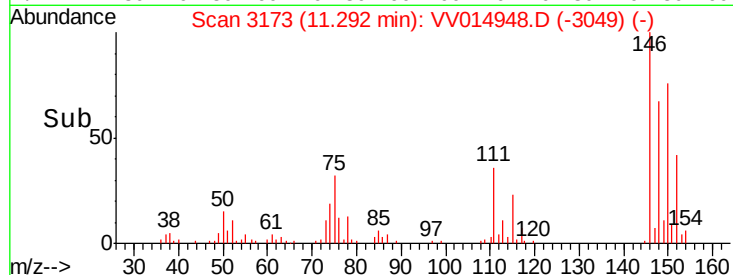
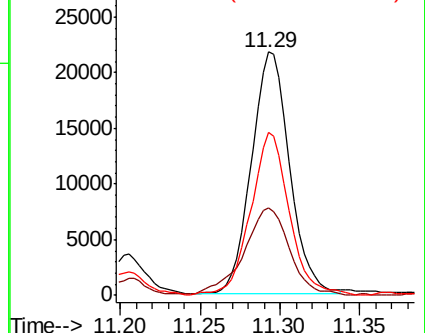
148 66.9 46.1 85.5



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: 4.568 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV014948.D

Acq: 16 Mar 2020 16:07

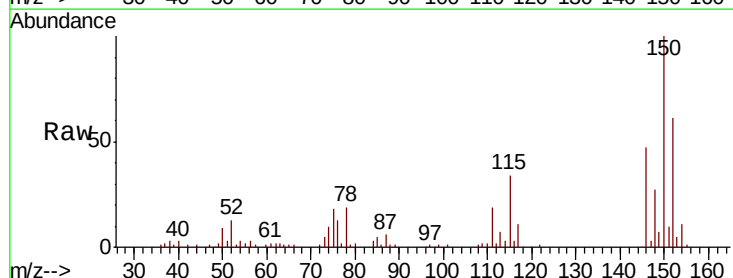
Tgt Ion:146 Resp: 25114

Ion Ratio Lower Upper

146 100

111 39.7 31.6 47.4

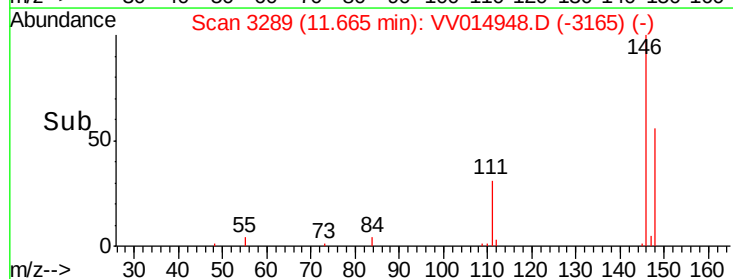
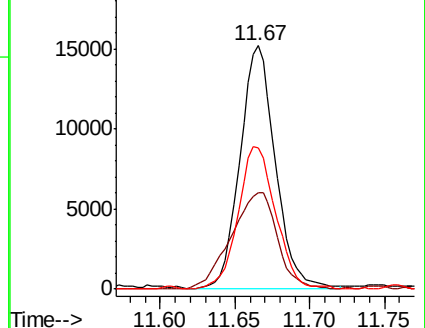
148 58.0 52.2 78.4

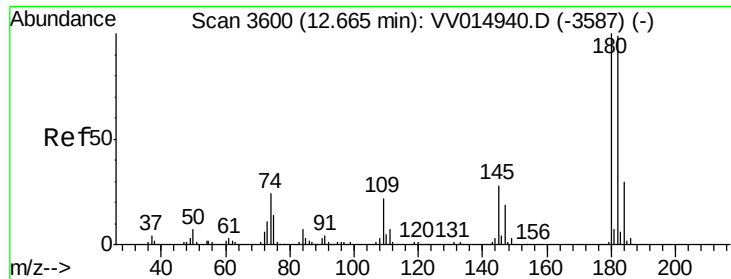


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

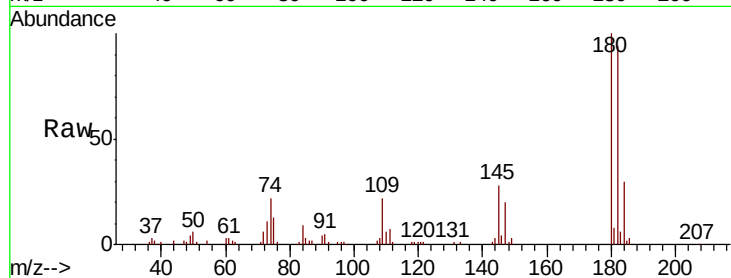




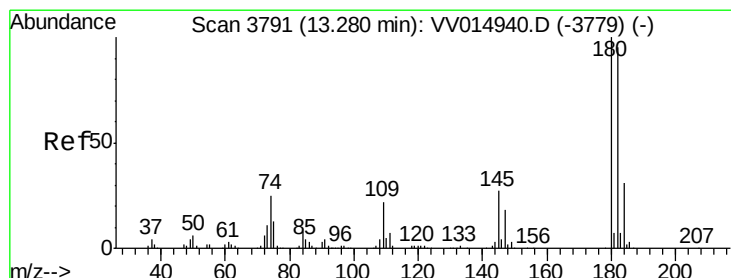
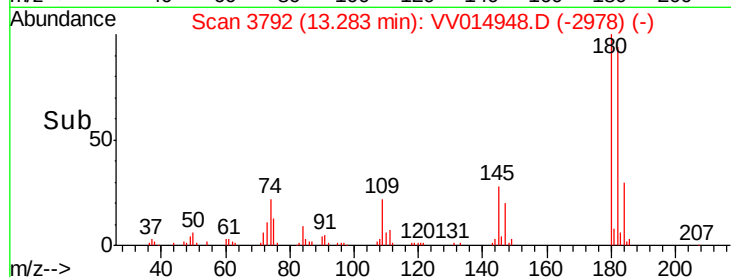
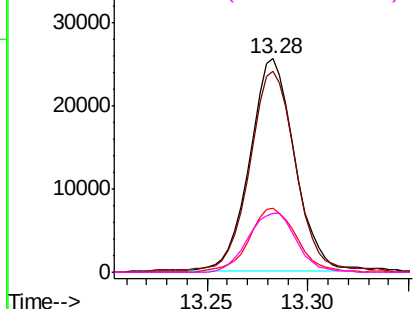
#67
 1,3,5-Trichlorobenzene
 Concen: 9.079 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV014948.D
 Acq: 16 Mar 2020 16:07

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DG0

Tot Ion:180 Resp: 39183
 Ion Ratio Lower Upper
 180 100
 182 99.4 75.7 113.5
 184 32.3 24.2 36.4
 145 30.4 22.0 33.0

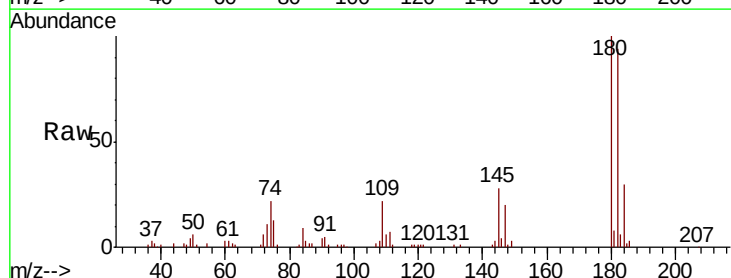


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

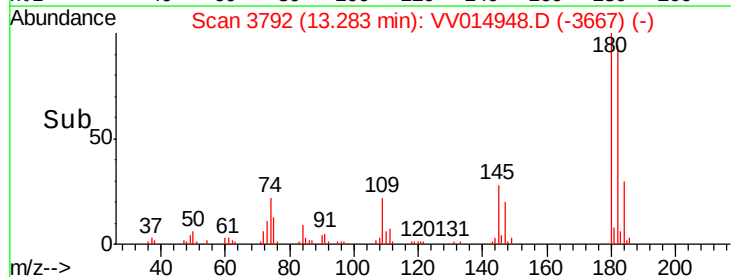
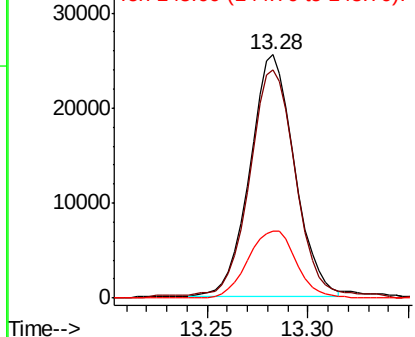


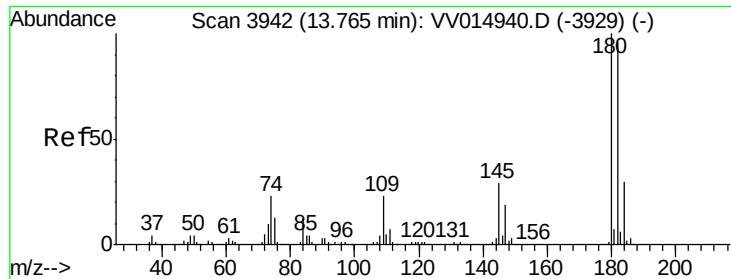
#68
 1,2,4-trichlorobenzene
 Concen: 10.187 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014948.D
 Acq: 16 Mar 2020 16:07

Tgt Ion:180 Resp: 39183
 Ion Ratio Lower Upper
 180 100
 182 99.4 76.3 114.5
 145 30.4 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

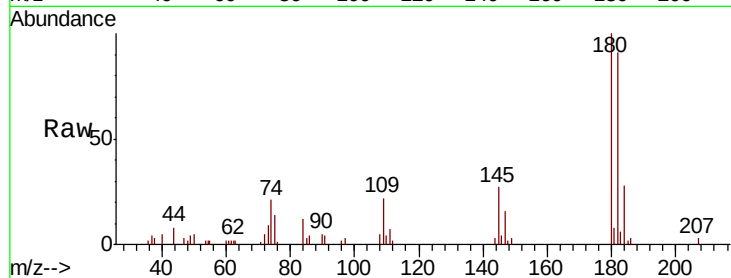




#70
 1,2,3-Trichlorobenzene
 Concen: 3.204 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV014948.D
 Acq: 16 Mar 2020 16:07

Instrument :
 MSVOA_V
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Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	88.3	76.2	114.4	
145	27.9	24.1	36.1	



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

