

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014949.D
 Acq On : 16 Mar 2020 16:31
 Operator : SY/MD
 Sample : L1890-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DG1

Quant Time: Mar 18 03:20:42 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	355503	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	344749	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168155	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	105534	44.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.12%
7) Chloroethane-d5	1.58	69	83045	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.42%
11) 1,1-Dichloroethene-d2	2.12	63	128015	35.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.46%
21) 2-Butanone-d5	3.93	46	115476	79.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.96%
24) Chloroform-d	4.38	84	216585	43.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.78%
26) 1,2-Dichloroethane-d4	5.06	65	145842	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
32) Benzene-d6	5.08	84	453759	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
36) 1,2-Dichloropropane-d6	6.10	67	136768	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.72%
41) Toluene-d8	7.34	98	432803	46.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.16%
43) trans-1,3-Dichloropropene-	7.64	79	66274	44.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.16%
47) 2-Hexanone-d5	8.12	63	125060	97.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	188873	45.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.24%
64) 1,2-Dichlorobenzene-d4	11.65	152	180203	48.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.84%

Target Compounds

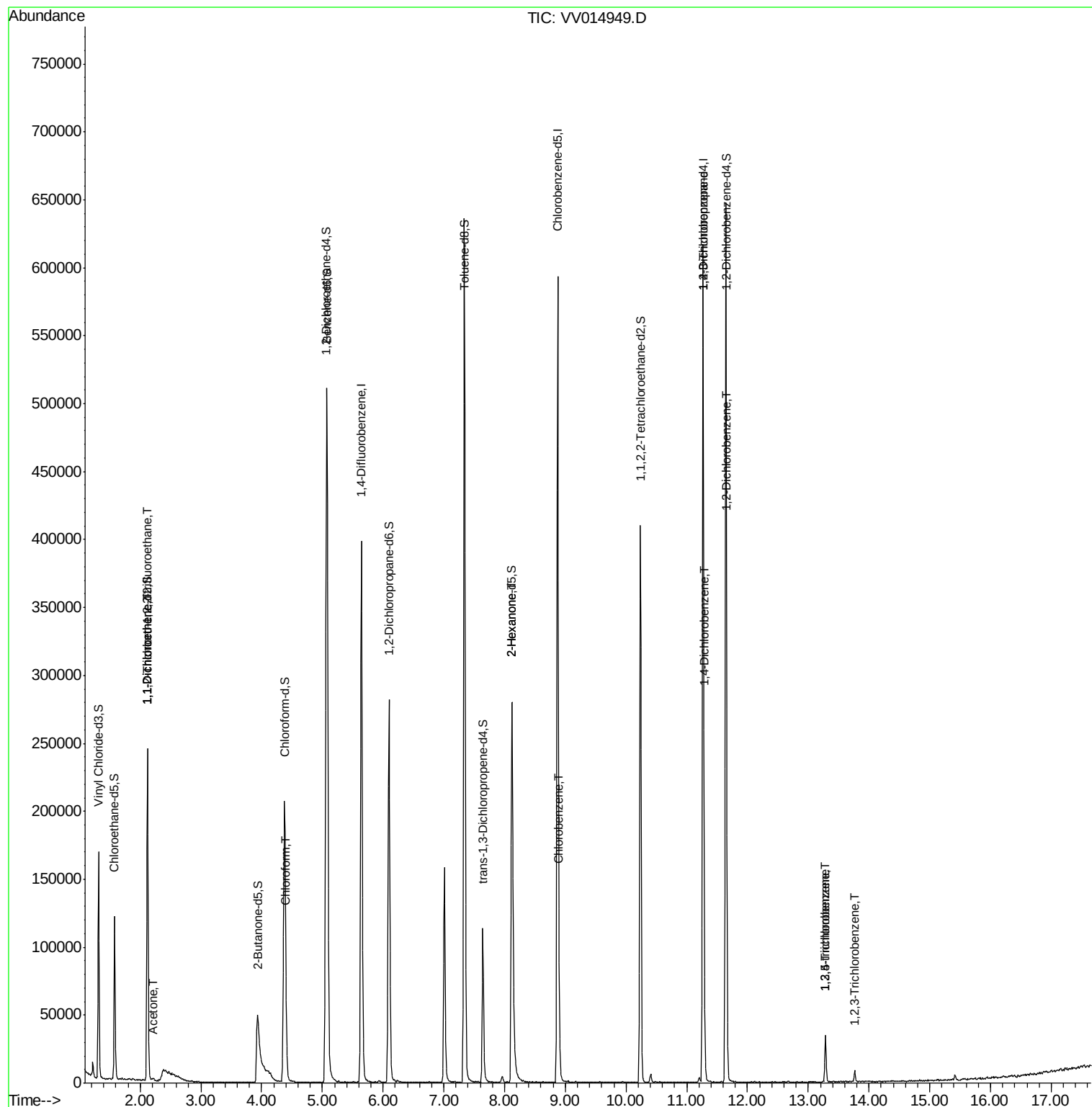
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1380	0.754	ug/L #	15
12) 1,1-Dichloroethene	2.12	96	1215	0.727	ug/L #	1
13) Acetone	2.20	43	2069	1.450	ug/L	72
25) Chloroform	4.41	83	7276	1.563	ug/L	96
48) 2-Hexanone	8.12	43	14375	5.724	ug/L #	71
51) Chlorobenzene	8.90	112	13713	1.886	ug/L	95
59) 1,2,3-Trichloropropane	11.27	75	18960	5.882	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	11840	2.121	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	7162	1.294	ug/L	89
67) 1,3,5-Trichlorobenzene	13.28	180	11395	2.623	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	11395	2.943	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	2873	0.749	ug/L	92

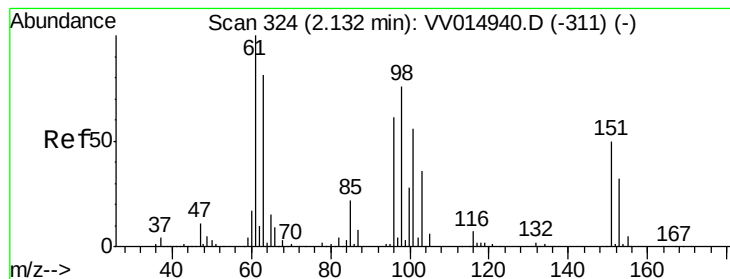
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.754 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014949.D

Acq: 16 Mar 2020 16:31

Instrument :

MSVOA_V

ClientSampleId :

C0DG1

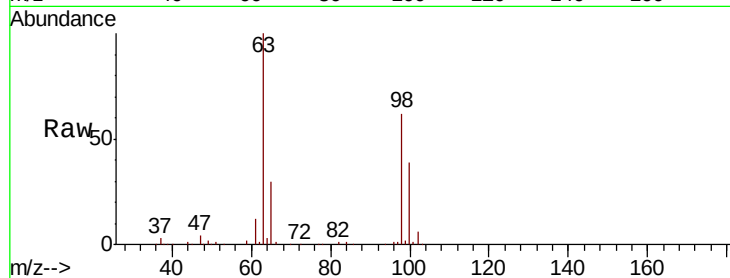
Tot Ion:101 Resp: 1380

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

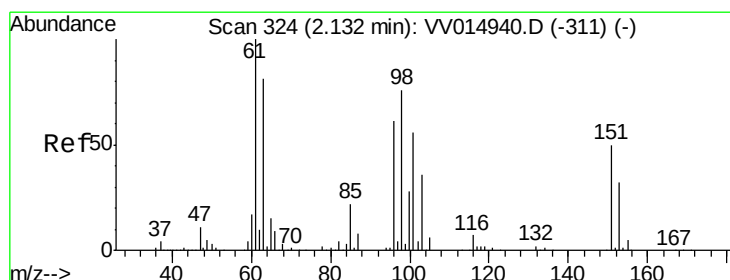
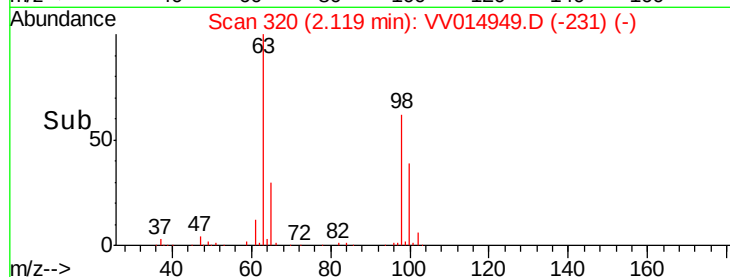
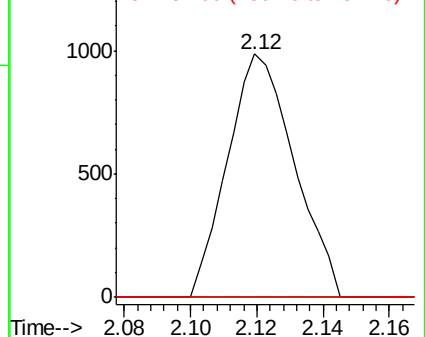
151 0.0 70.1 105.1#



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



#12

1,1-Dichloroethene

Concen: 0.727 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014949.D

Acq: 16 Mar 2020 16:31

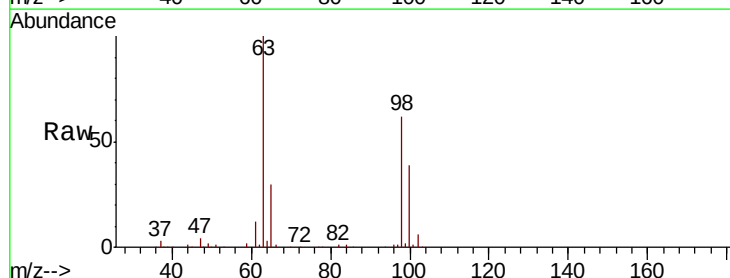
Tgt Ion: 96 Resp: 1215

Ion Ratio Lower Upper

96 100

61 1377.4 115.7 214.9#

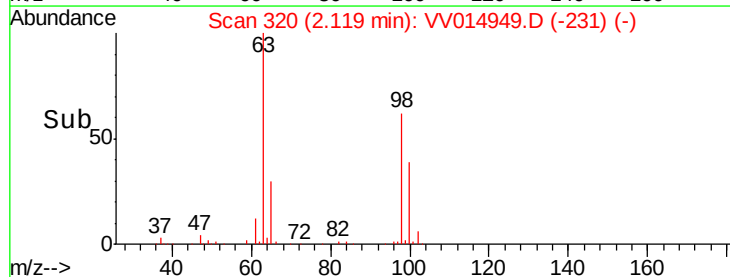
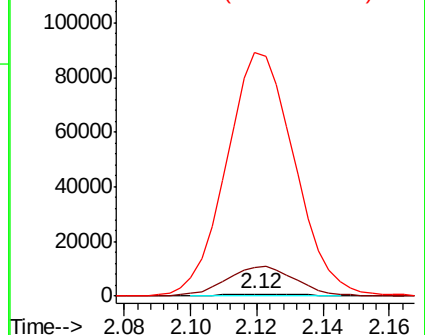
63 11691.3 99.2 184.2#

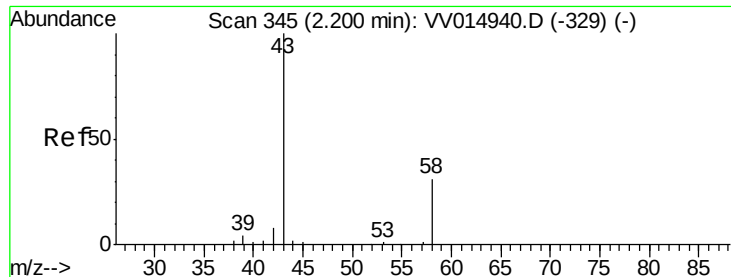


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.450 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV014949.D

Acq: 16 Mar 2020 16:31

Instrument :

MSVOA_V

ClientSampleId :

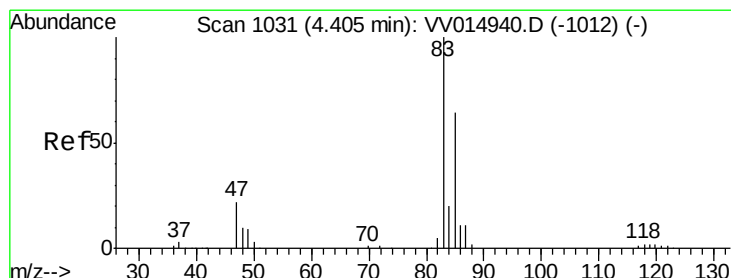
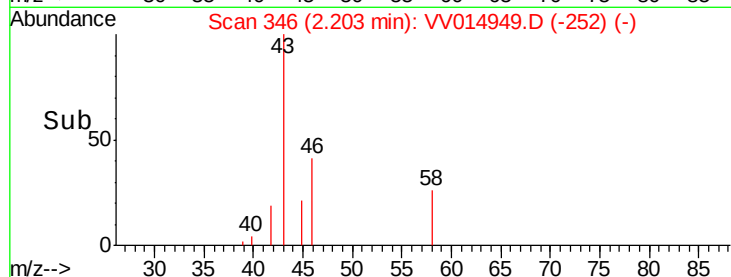
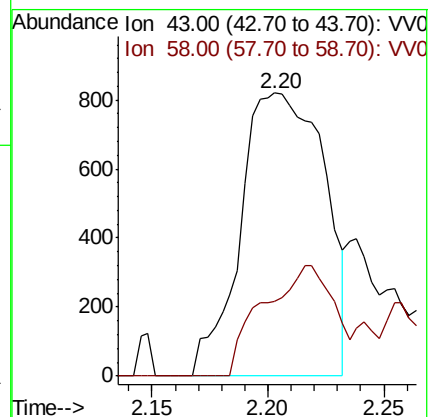
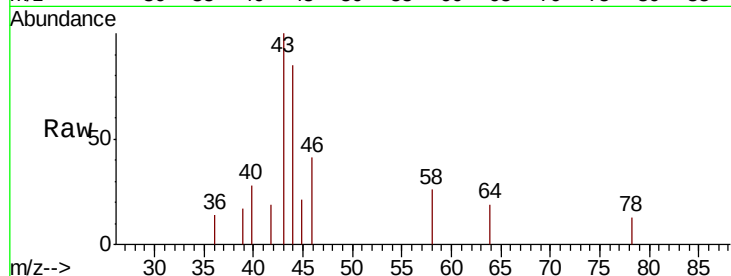
C0DG1

Tot Ion: 43 Resp: 2069

Ion Ratio Lower Upper

43 100

58 11.4 0.0 51.6



#25

Chloroform

Concen: 1.563 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VV014949.D

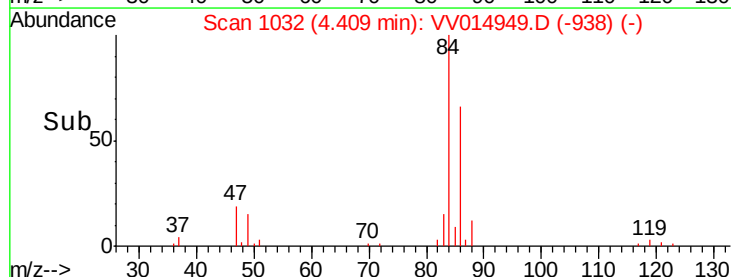
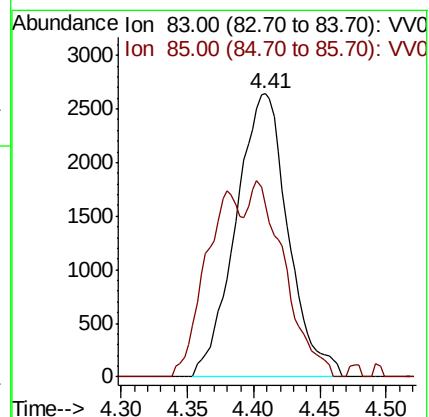
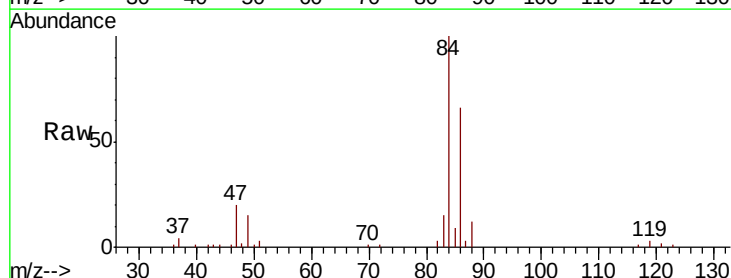
Acq: 16 Mar 2020 16:31

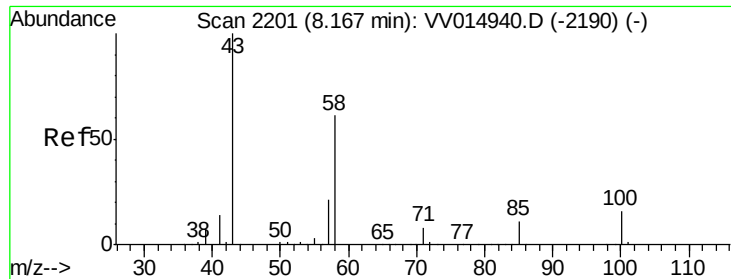
Tgt Ion: 83 Resp: 7276

Ion Ratio Lower Upper

83 100

85 60.6 44.6 82.8

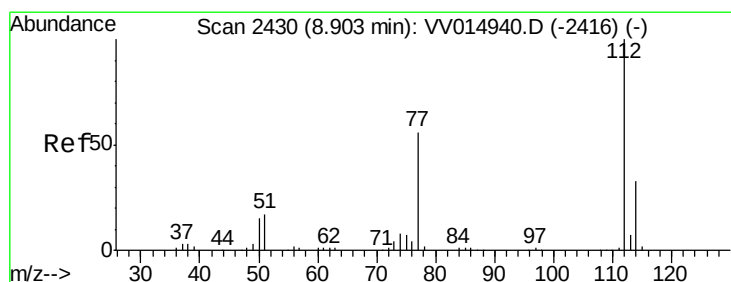
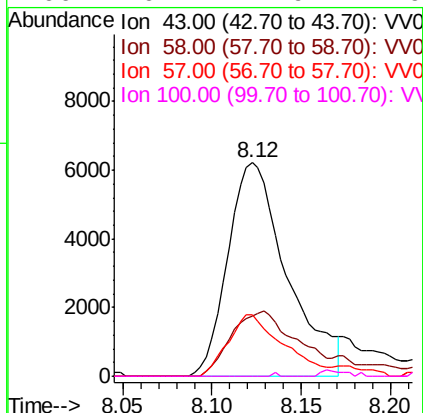
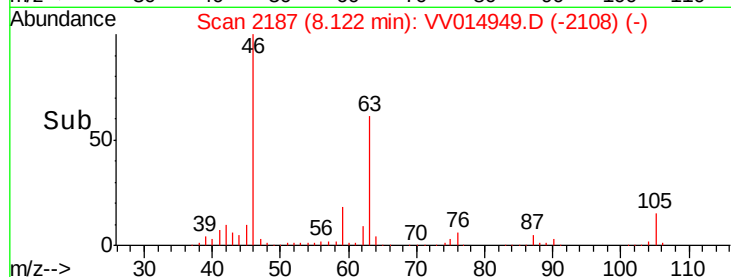
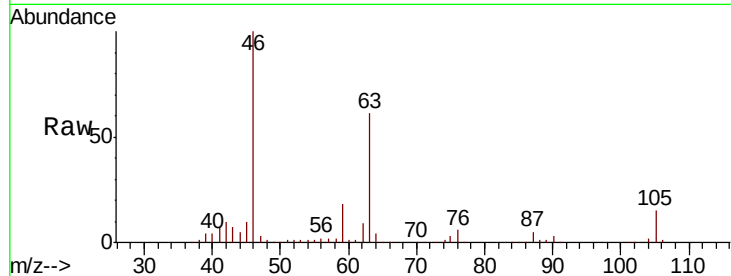




#48
2-Hexanone
Concen: 5.724 ug/L
RT: 8.12 min Scan# 2187
Delta R.T. -0.04 min
Lab File: VV014949.D
Acq: 16 Mar 2020 16:31

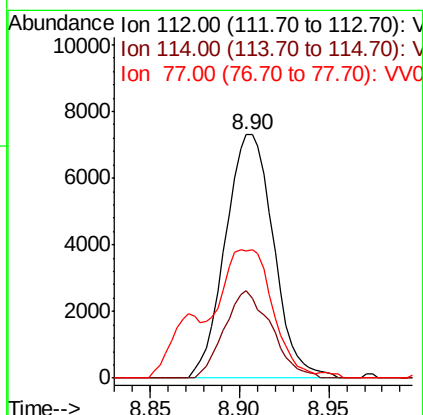
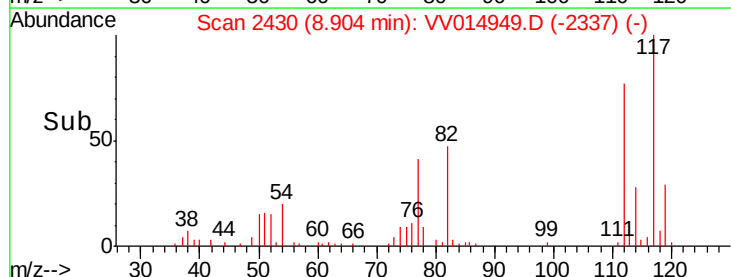
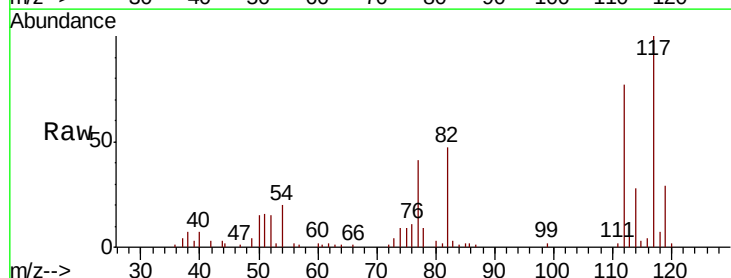
Instrument :
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ClientSampleId :
C0DG1

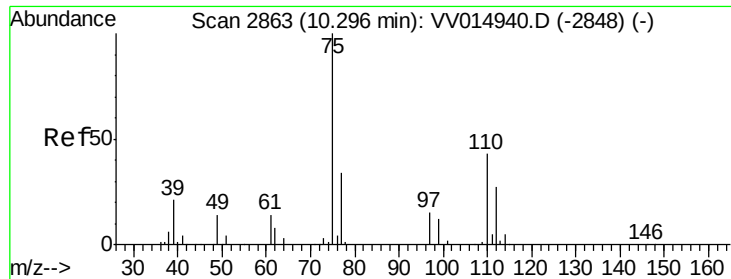
Tot Ion	Ratio	Lower	Upper
43	100		
58	34.0	46.9	70.3#
57	26.8	16.2	24.4#
100	0.7	11.9	17.9#



#51
Chlorobenzene
Concen: 1.886 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014949.D
Acq: 16 Mar 2020 16:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	36.0	22.8	42.4
77	52.5	44.5	66.7





#59

1,2,3-Trichloropropane

Concen: 5.882 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV014949.D

Acq: 16 Mar 2020 16:31

Instrument :

MSVOA_V

ClientSampleId :

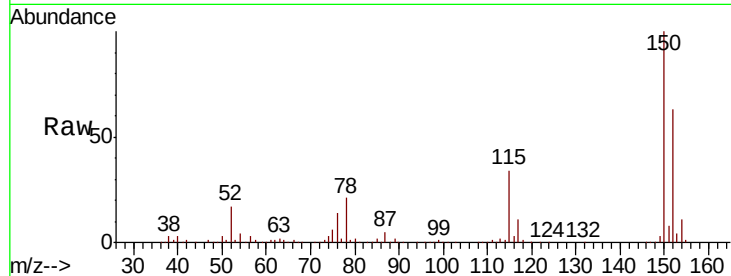
C0DG1

Tot Ion: 75 Resp: 18960

Ion Ratio Lower Upper

75 100

77 33.3 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

11.27

12000

10000

8000

6000

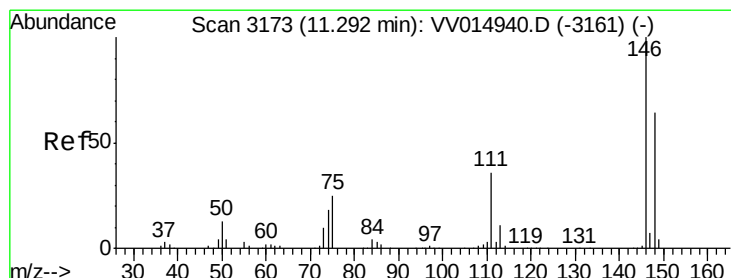
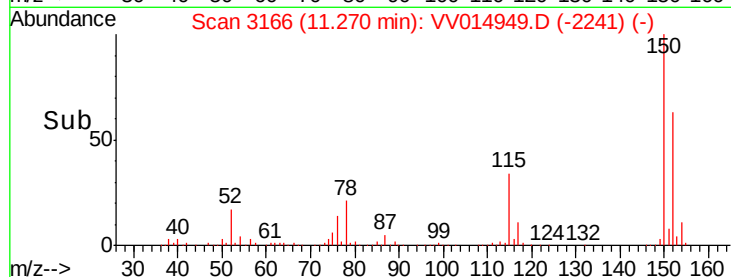
4000

2000

0

Time-->

11.20 11.25 11.30 11.35



#63

1,4-Dichlorobenzene

Concen: 2.121 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014949.D

Acq: 16 Mar 2020 16:31

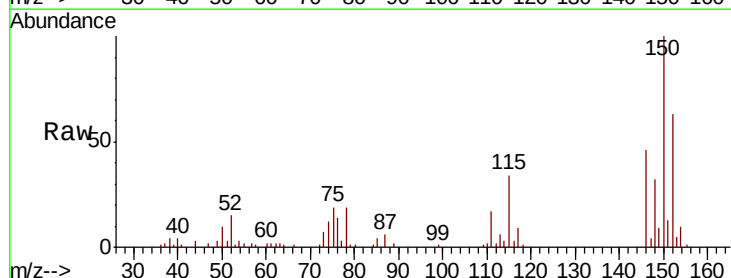
Tgt Ion: 146 Resp: 11840

Ion Ratio Lower Upper

146 100

111 37.3 26.0 48.2

148 69.8 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

11.29

8000

6000

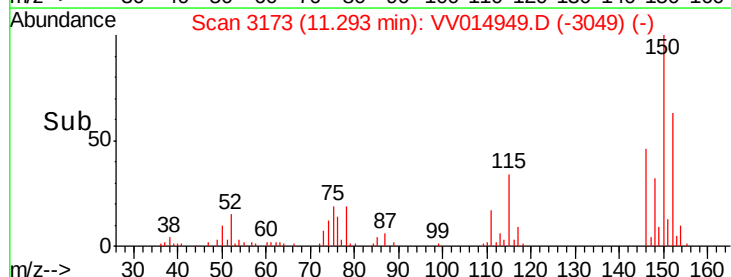
4000

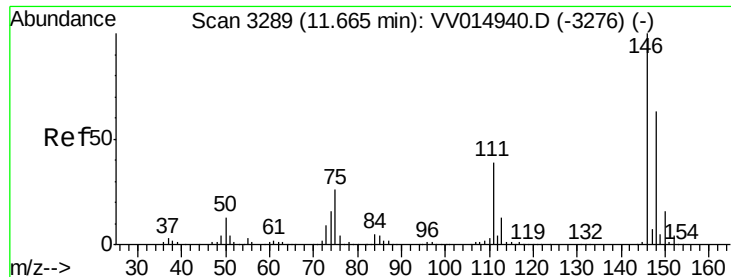
2000

0

Time-->

11.25 11.30 11.35





#65

1,2-Dichlorobenzene

Concen: 1.294 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014949.D

Acq: 16 Mar 2020 16:31

Instrument :

MSVOA_V

ClientSampleId :

C0DG1

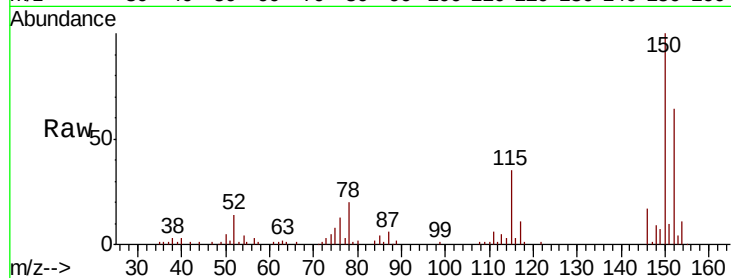
Tot Ion:146 Resp: 7162

Ion Ratio Lower Upper

146 100

111 36.2 31.6 47.4

148 53.6 52.2 78.4

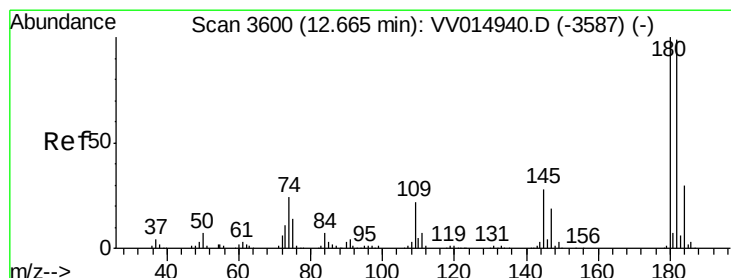
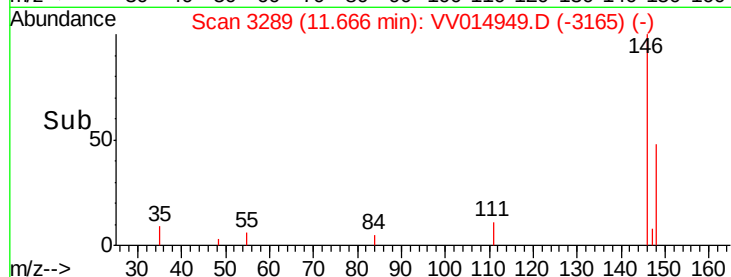
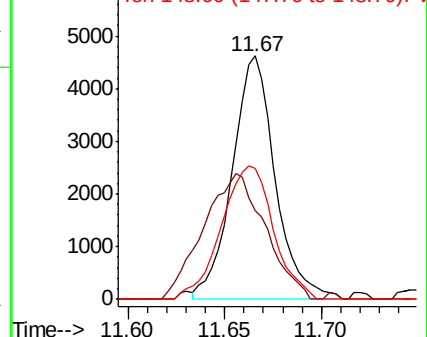


Abundance

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: 2.623 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.62 min

Lab File: VV014949.D

Acq: 16 Mar 2020 16:31

Tgt Ion:180 Resp: 11395

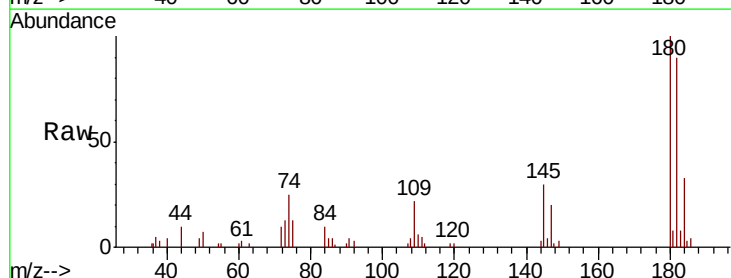
Ion Ratio Lower Upper

180 100

182 94.2 75.7 113.5

184 31.8 24.2 36.4

145 27.7 22.0 33.0



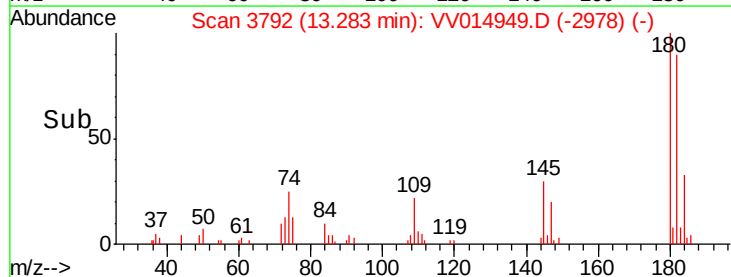
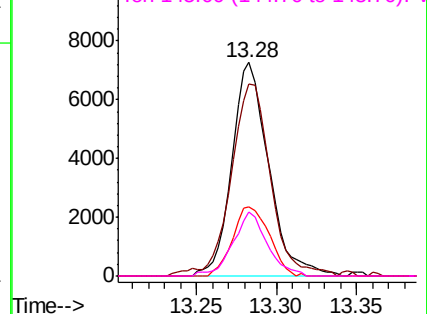
Abundance

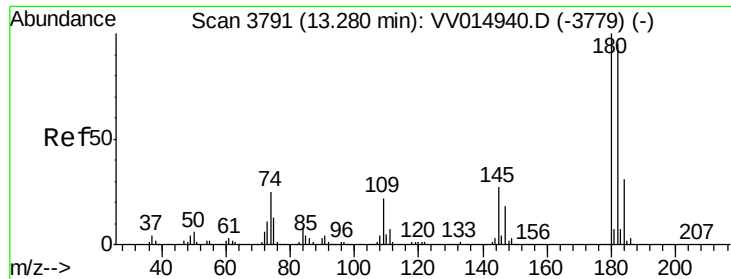
Ion 180.00 (179.70 to 180.70): V

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: 2.943 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV014949.D

Acq: 16 Mar 2020 16:31

Instrument :

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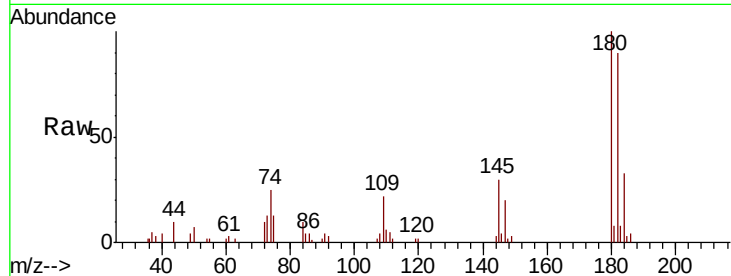
Tot Ion:180 Resp: 11395

Ion Ratio Lower Upper

180 100

182 94.2 76.3 114.5

145 27.7 23.1 34.7

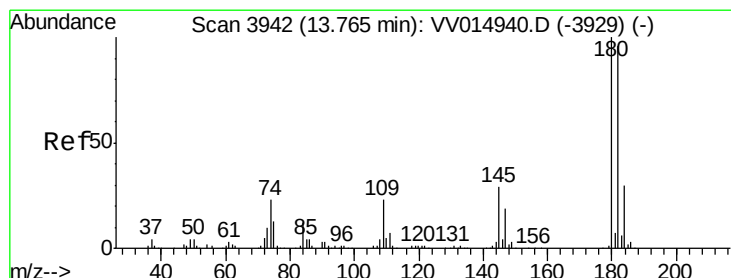
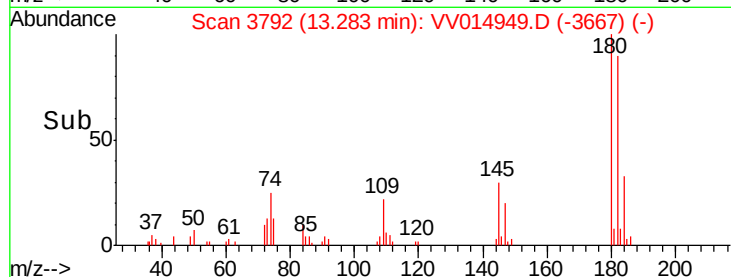
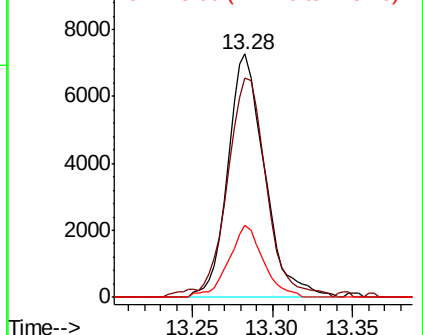


Abundance

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: 0.749 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV014949.D

Acq: 16 Mar 2020 16:31

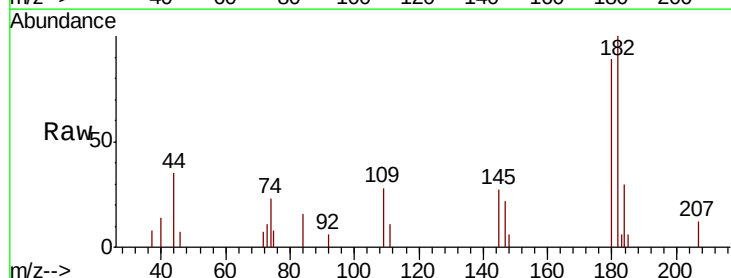
Tgt Ion:180 Resp: 2873

Ion Ratio Lower Upper

180 100

182 104.2 76.2 114.4

145 31.3 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

