

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016107.D
 Acq On : 18 May 2020 17:22
 Operator : SY/MD
 Sample : L2655-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 04:51:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 04:04:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.65	114	253465	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	252883	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127355	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96779	52.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.90%
7) Chloroethane-d5	1.58	69	88160	54.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.74%
11) 1,1-Dichloroethene-d2	2.13	63	142555	41.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.50%
21) 2-Butanone-d5	3.93	46	129897	117.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.82%
24) Chloroform-d	4.38	84	179771	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
26) 1,2-Dichloroethane-d4	5.06	65	137419	57.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.24%
32) Benzene-d6	5.08	84	377888	54.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.98%
36) 1,2-Dichloropropane-d6	6.10	67	121174	55.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.46%
41) Toluene-d8	7.34	98	351808	54.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.72%
43) trans-1,3-Dichloropropene-	7.64	79	56210	51.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.18%
47) 2-Hexanone-d5	8.12	63	83440	116.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.83%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	147177	53.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.62%
64) 1,2-Dichlorobenzene-d4	11.27	152	121506	48.24	ug/L	-0.37
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1226	0.756	ug/L #	21
12) 1,1-Dichloroethene	2.13	96	1052	0.707	ug/L #	1
13) Acetone	2.22	43	4920	4.584	ug/L #	46
25) Chloroform	4.41	83	28127	7.965	ug/L	99
31) Carbon tetrachloride	4.86	117	3602	1.345	ug/L	97
33) Benzene	5.13	78	616464	85.568	ug/L	100
44) trans-1,3-Dichloropropene	7.64	75	2769	0.943	ug/L	91
48) 2-Hexanone	8.12	43	12977	7.010	ug/L #	73
51) Chlorobenzene	8.90	112	2690825	533.269	ug/L	100
59) 1,2,3-Trichloropropane	11.20	75	70509	30.516	ug/L #	44
62) 1,3-Dichlorobenzene	11.20	146	202090	51.090	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	1504229	371.888	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	1908883	478.050	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.42	75	1443	2.338	ug/L #	6
67) 1,3,5-Trichlorobenzene	13.29	180	364070	133.298	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	364070	148.428	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	103955	41.826	ug/L	99

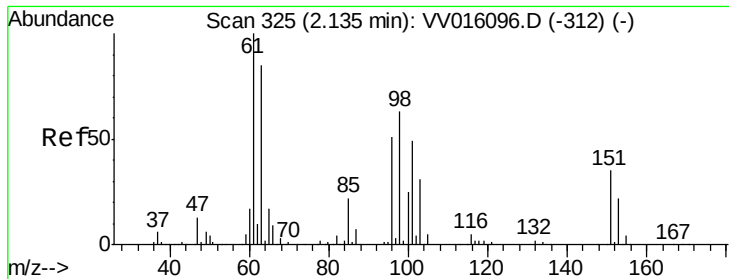
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
Data File : VV016107.D
Acq On : 18 May 2020 17:22
Operator : SY/MD
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Quant Time: May 19 04:51:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue May 19 04:04:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10

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

Concen: 0.756 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016107.D

Acq: 18 May 2020 17:22

Instrument :

MSVOA_V

ClientSampleId :

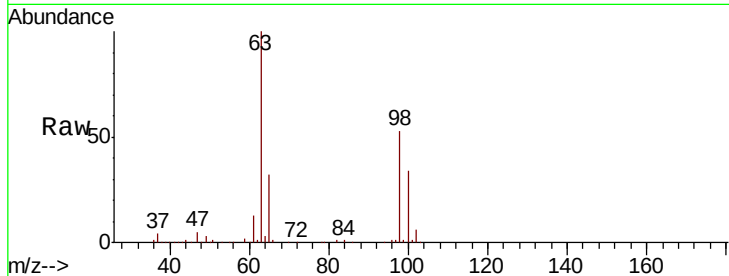
Tot Ion:101 Resp: 1226

Ion Ratio Lower Upper

101 100

85 0.0 36.2 54.4#

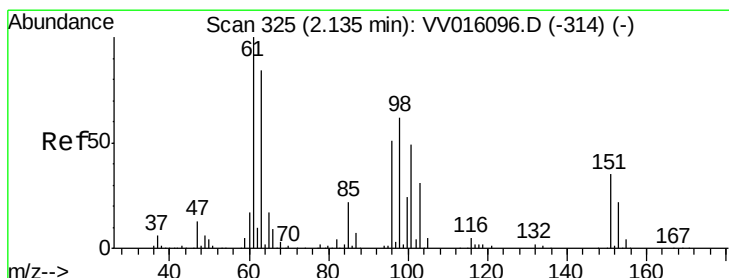
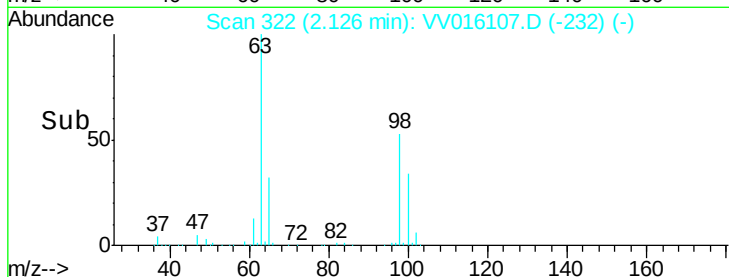
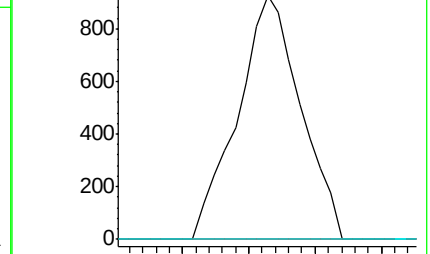
151 0.0 56.9 85.3#



Abundance Ion 101.00 (100.70 to 101.70): VV016107.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV016107.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV016107.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 0.707 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016107.D

Acq: 18 May 2020 17:22

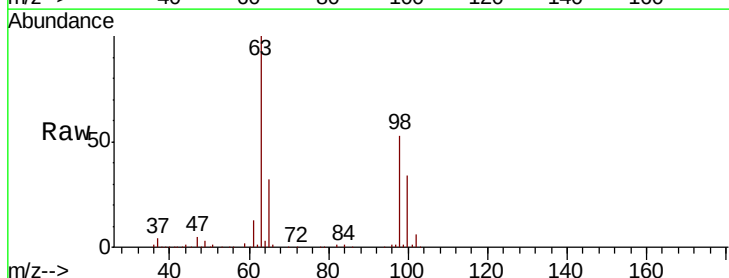
Tgt Ion: 96 Resp: 1052

Ion Ratio Lower Upper

96 100

61 1790.1 136.8 254.2#

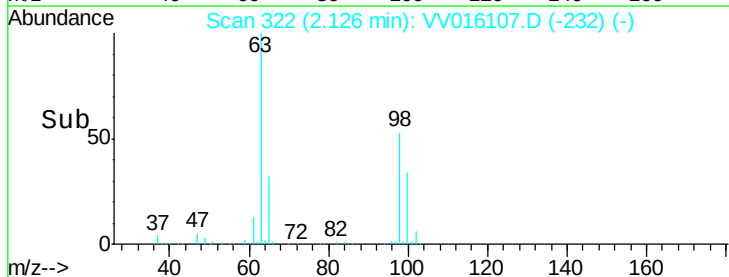
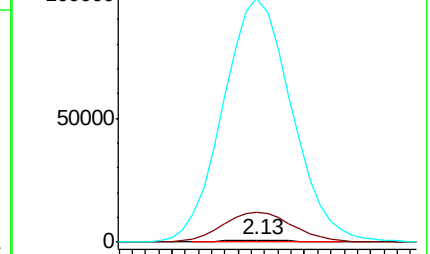
63 14306.8 116.6 216.5#

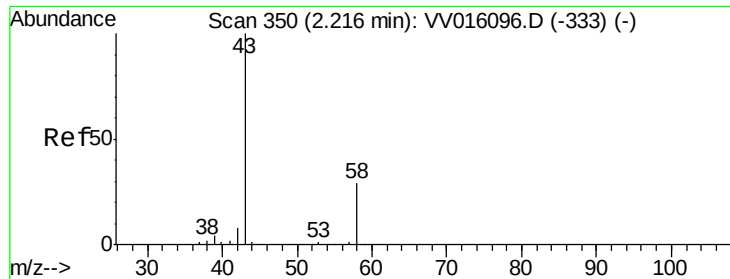


Abundance Ion 96.00 (95.70 to 96.70): VV016107.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV016107.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016107.D (-232) (-)





#13

Acetone

Concen: 4.584 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV016107.D

Acq: 18 May 2020 17:22

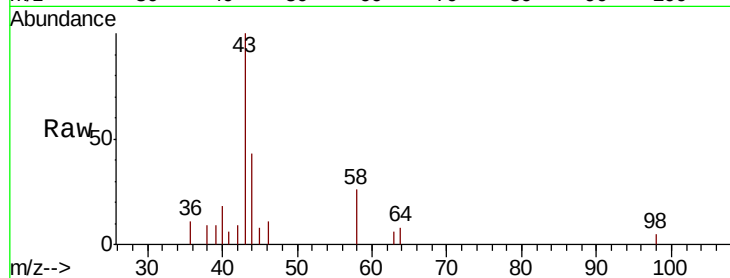
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 4920

Ion Ratio Lower Upper

43 100

58 0.0 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV016107.D (-257) (-)

Ion 58.00 (57.70 to 58.70): VV016107.D (-257) (-)

2.22

2000

1500

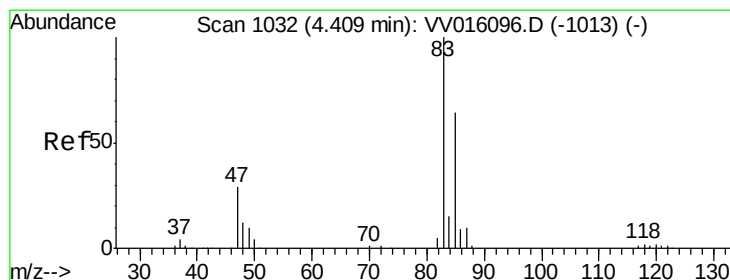
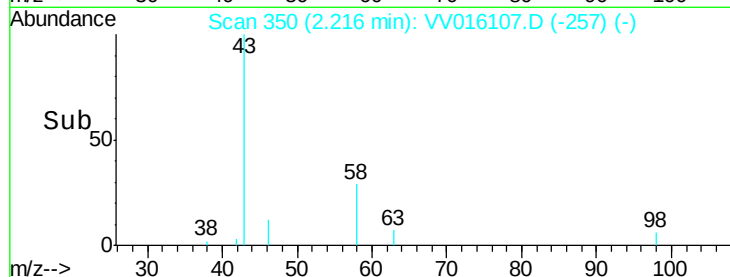
1000

500

0

Time-->

2.15 2.20 2.25 2.30



#25

Chloroform

Concen: 7.965 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VV016107.D

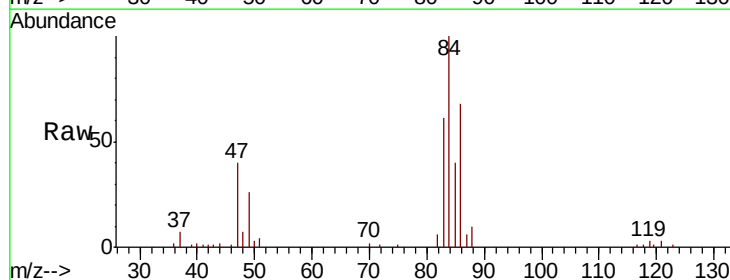
Acq: 18 May 2020 17:22

Tgt Ion: 83 Resp: 28127

Ion Ratio Lower Upper

83 100

85 65.5 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV016107.D (-939) (-)

Ion 85.00 (84.70 to 85.70): VV016107.D (-939) (-)

4.41

12000

10000

8000

6000

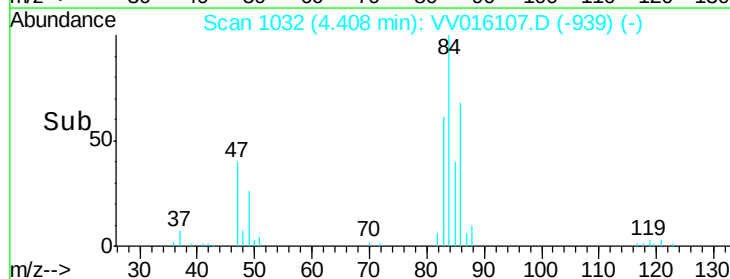
4000

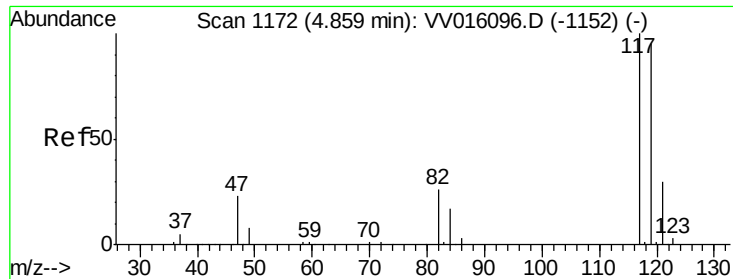
2000

0

Time-->

4.30 4.35 4.40 4.45 4.50





#31

Carbon tetrachloride

Concen: 1.345 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV016107.D

Acq: 18 May 2020 17:22

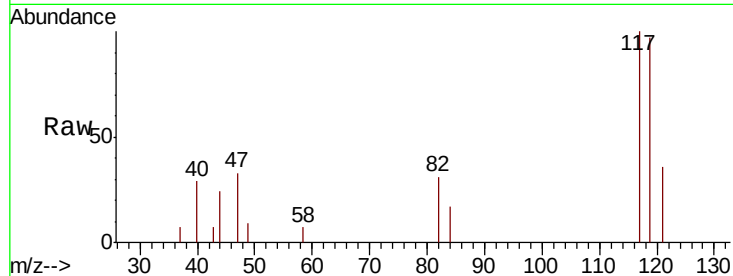
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 3602

Ion Ratio Lower Upper

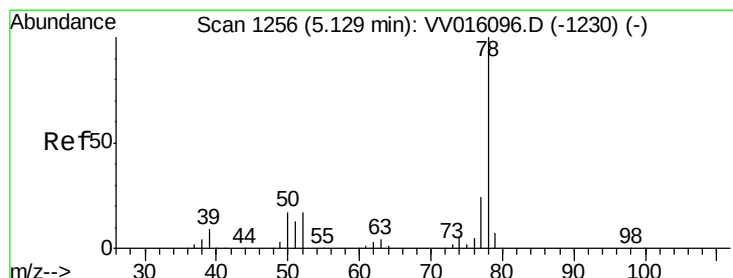
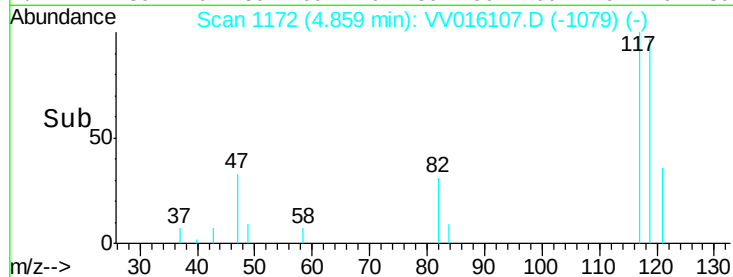
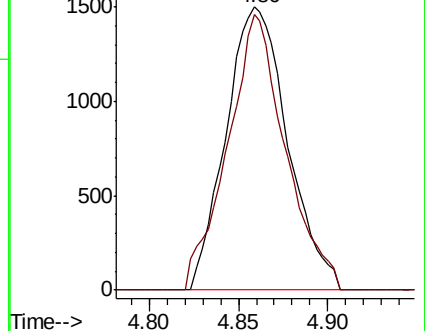
117 100

119 91.3 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 85.568 ug/L

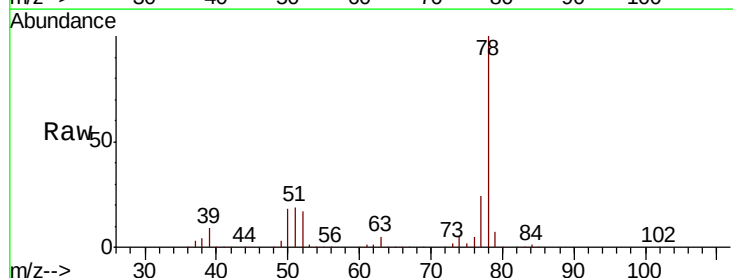
RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

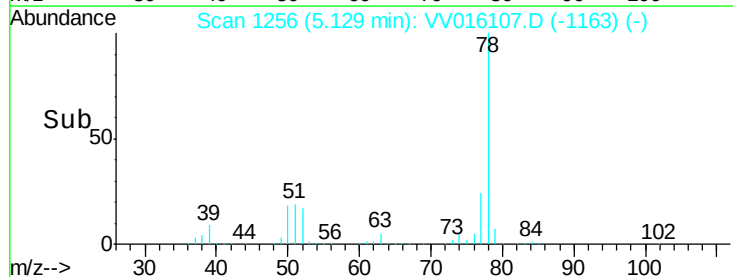
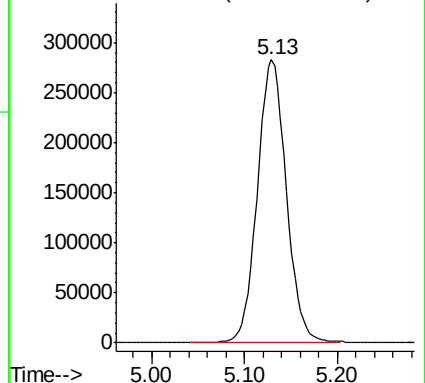
Lab File: VV016107.D

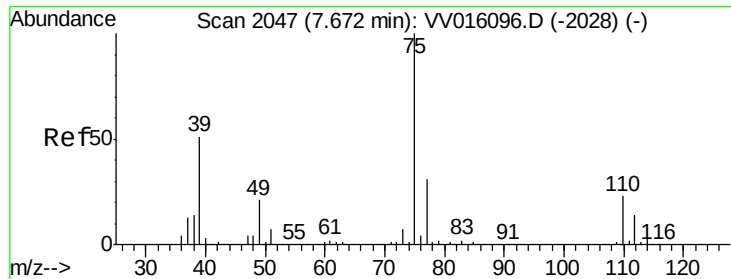
Acq: 18 May 2020 17:22

Tgt Ion: 78 Resp: 616464



Abundance Ion 78.00 (77.70 to 78.70): VV0

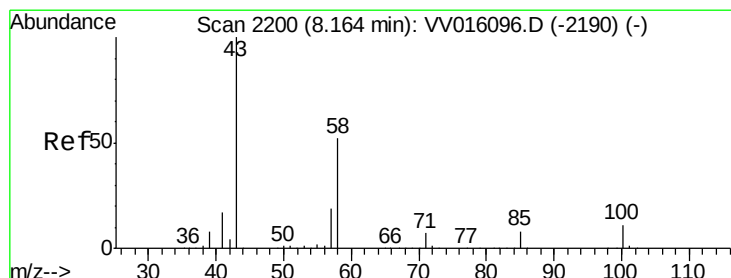
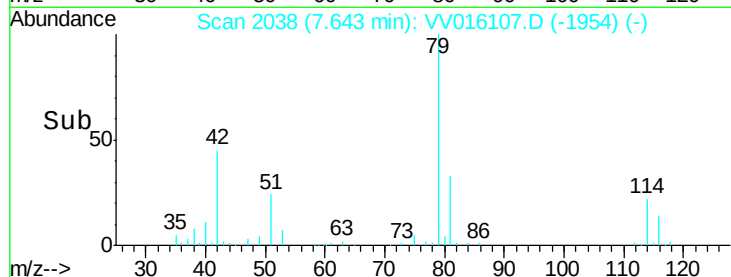
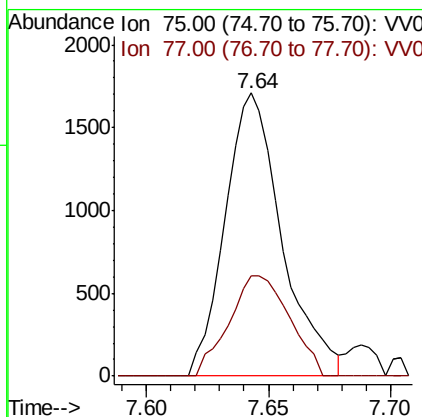
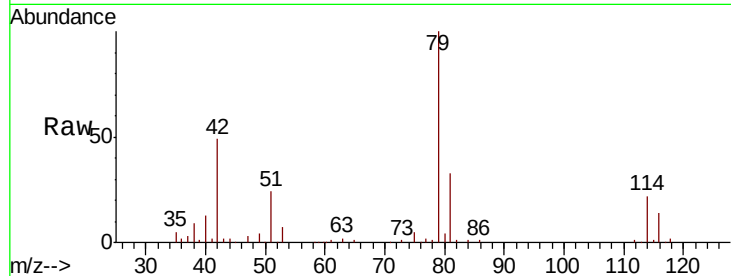




#44
 trans-1,3-Dichloropropene
 Concen: 0.943 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV016107.D
 Acq: 18 May 2020 17:22

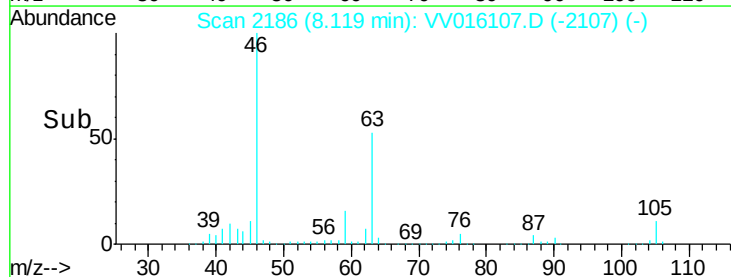
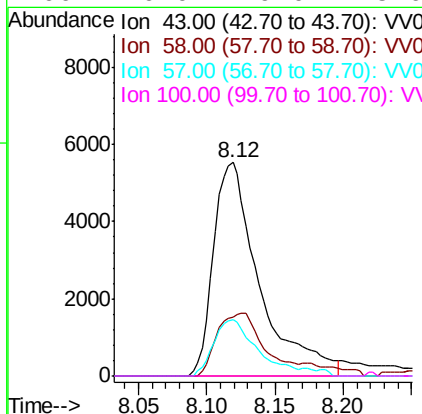
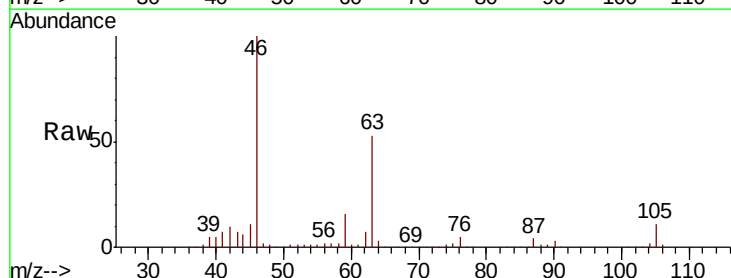
Instrument :
 MSVOA_V
 ClientSampleId :

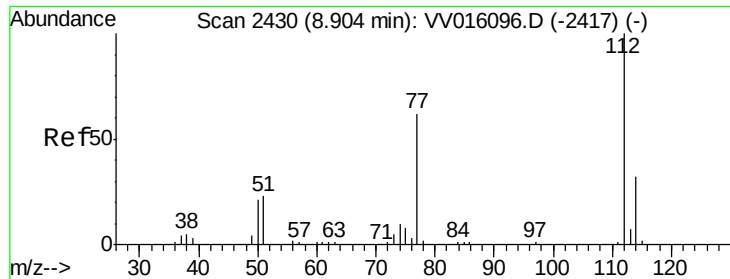
Tot Ion: 75 Resp: 2769
 Ion Ratio Lower Upper
 75 100
 77 35.4 21.3 39.6



#48
 2-Hexanone
 Concen: 7.010 ug/L
 RT: 8.12 min Scan# 2186
 Delta R.T. -0.05 min
 Lab File: VV016107.D
 Acq: 18 May 2020 17:22

Tgt Ion: 43 Resp: 12977
 Ion Ratio Lower Upper
 43 100
 58 29.7 40.9 61.3#
 57 24.8 15.0 22.4#
 100 0.0 9.0 13.6#





#51

Chlorobenzene

Concen: 533.269 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV016107.D

Acq: 18 May 2020 17:22

Instrument :
MSVOA_V
ClientSampled :

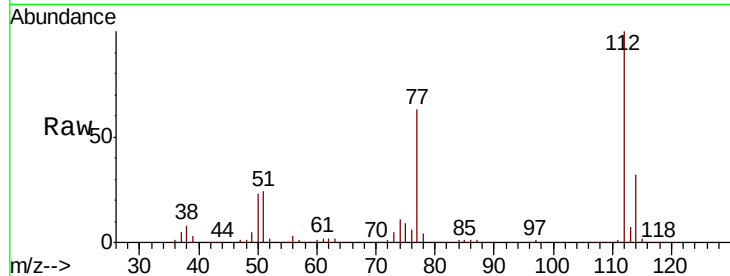
Tot Ion:112 Resp: 2690825

Ion Ratio Lower Upper

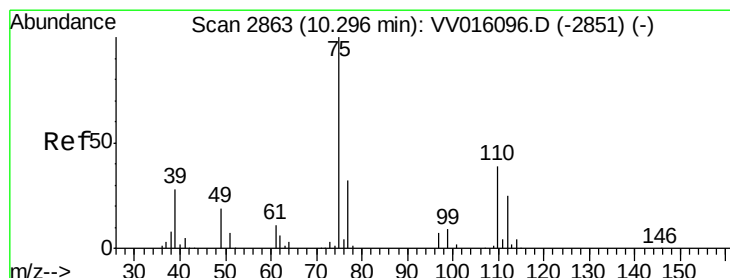
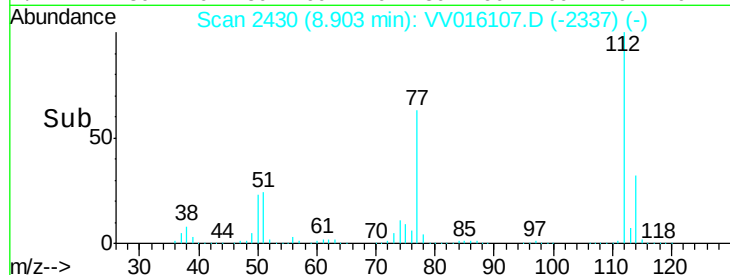
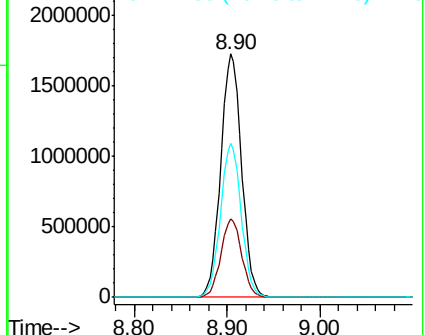
112 100

114 32.4 22.5 41.9

77 63.3 50.4 75.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#59

1,2,3-Trichloropropane

Concen: 30.516 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV016107.D

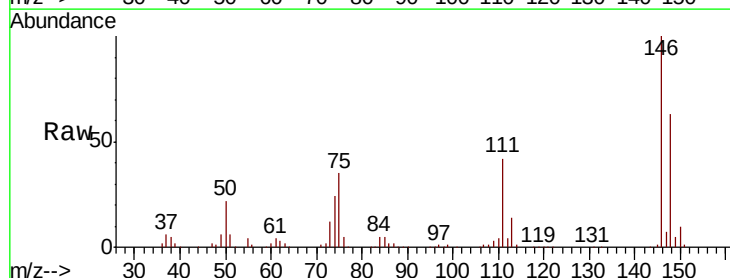
Acq: 18 May 2020 17:22

Tgt Ion: 75 Resp: 70509

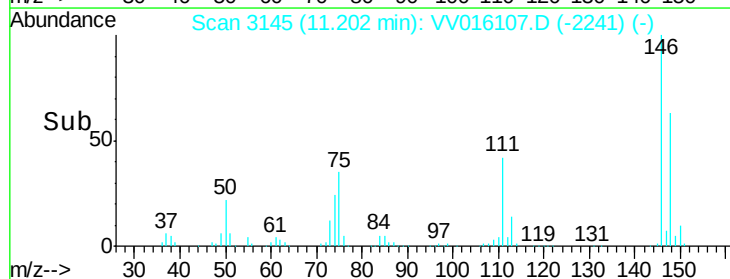
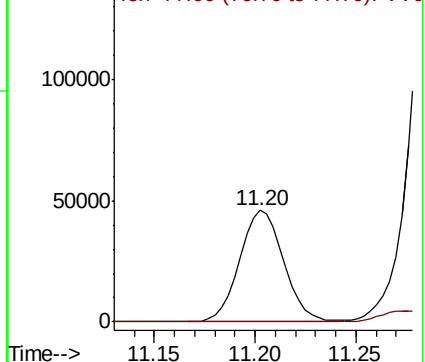
Ion Ratio Lower Upper

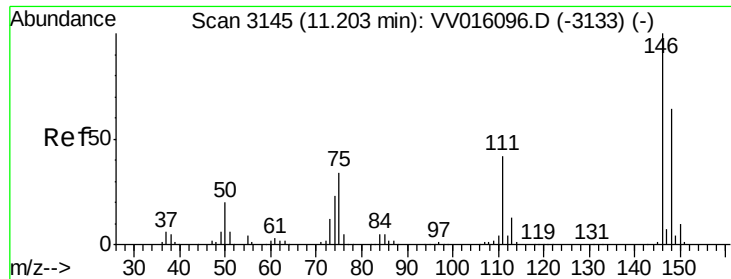
75 100

77 0.8 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 51.090 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016107.D

Acq: 18 May 2020 17:22

Instrument :

MSVOA_V

ClientSampleId :

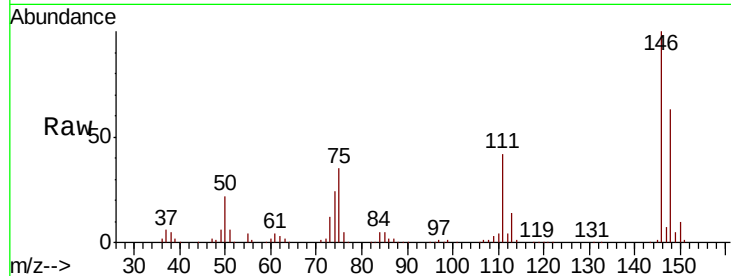
Tot Ion:146 Resp: 202090

Ion Ratio Lower Upper

146 100

111 42.2 29.1 54.1

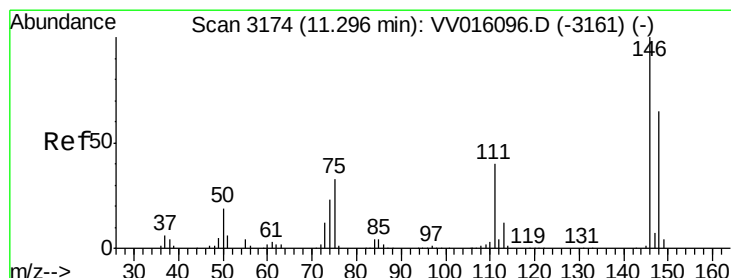
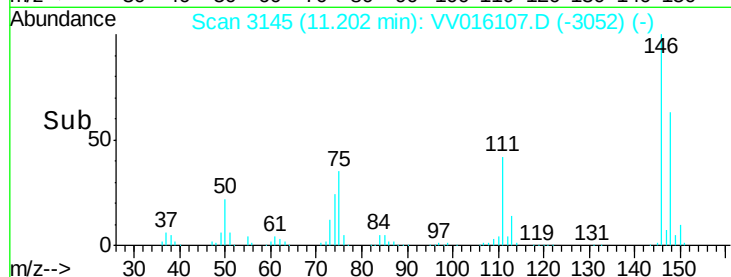
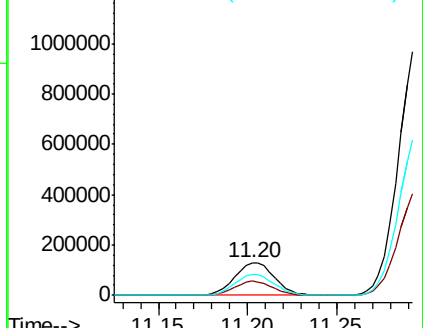
148 63.3 44.5 82.7



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



#63

1,4-Dichlorobenzene

Concen: 371.888 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016107.D

Acq: 18 May 2020 17:22

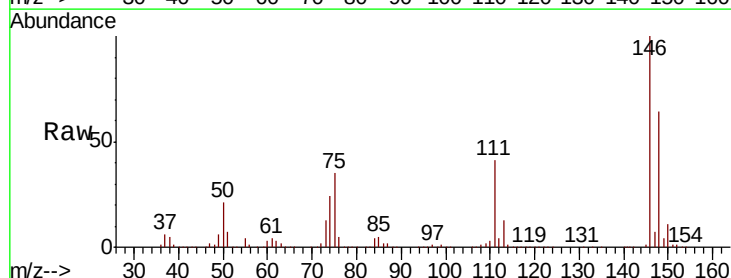
Tgt Ion:146 Resp: 1504229

Ion Ratio Lower Upper

146 100

111 41.1 28.1 52.3

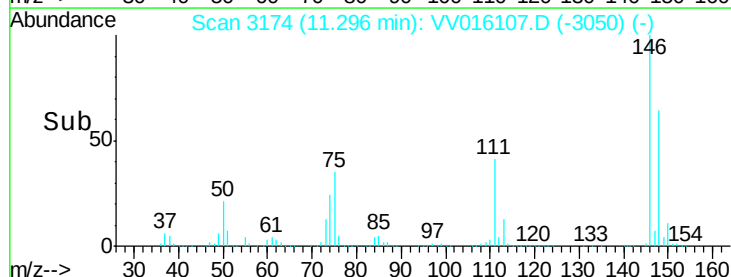
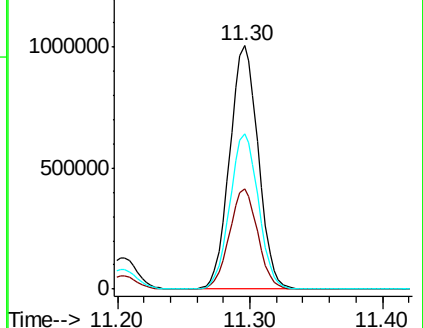
148 64.0 45.7 84.9

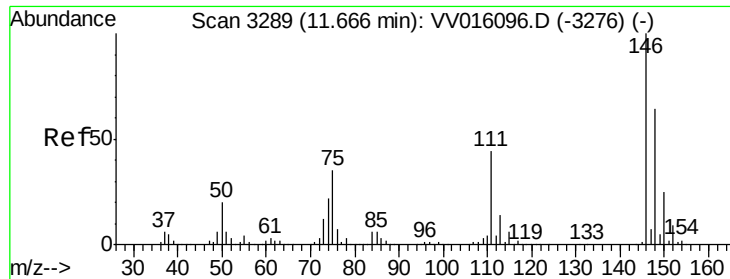


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 478.050 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016107.D

Acq: 18 May 2020 17:22

Instrument :

MSVOA_V

ClientSampleId :

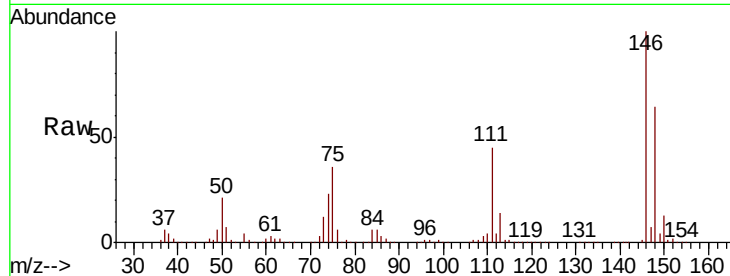
Tot Ion:146 Resp: 1908883

Ion Ratio Lower Upper

146 100

111 44.7 35.2 52.8

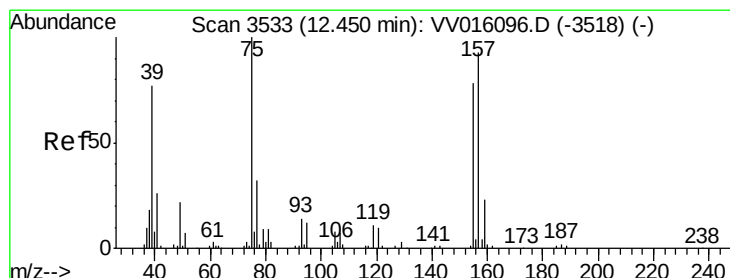
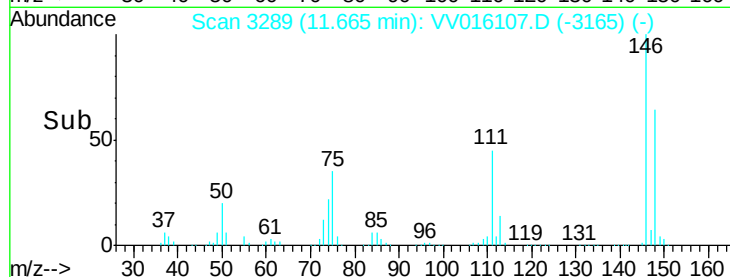
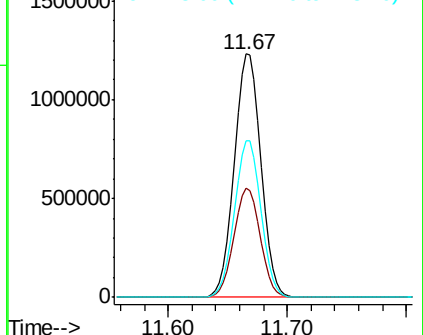
148 64.3 51.4 77.2



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: 2.338 ug/L

RT: 12.42 min Scan# 3524

Delta R.T. -0.03 min

Lab File: VV016107.D

Acq: 18 May 2020 17:22

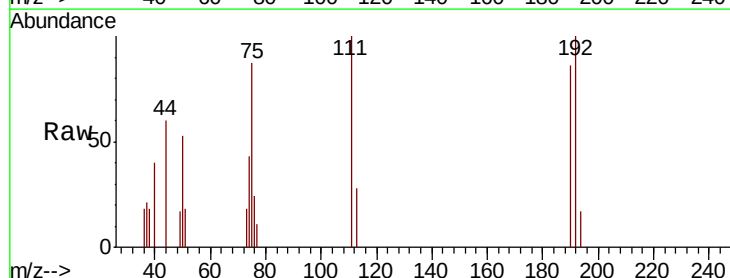
Tgt Ion: 75 Resp: 1443

Ion Ratio Lower Upper

75 100

155 0.0 62.1 93.1#

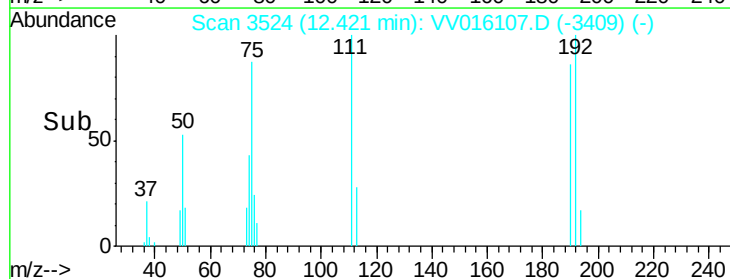
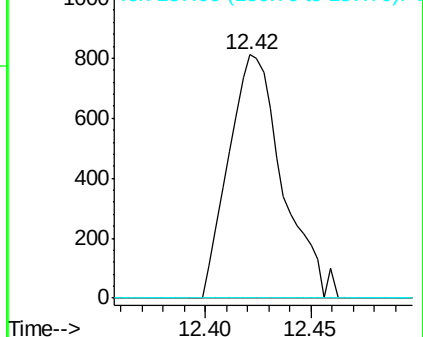
157 0.0 74.6 111.8#

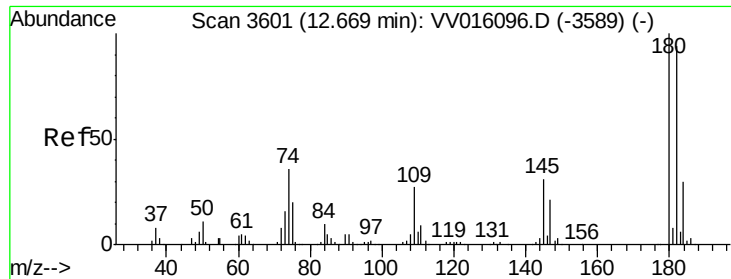


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

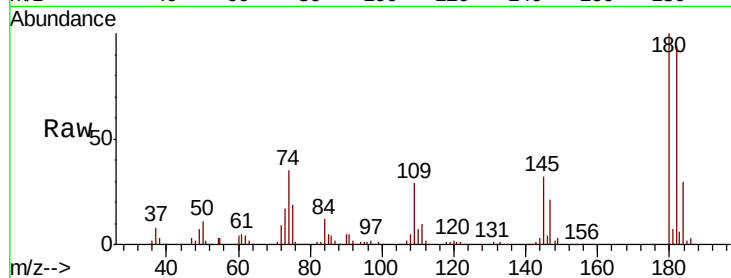




#67
 1,3,5-Trichlorobenzene
 Concen: 133.298 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV016107.D
 Acq: 18 May 2020 17:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
184	30.4	24.3	36.5
145	32.3	25.0	37.6

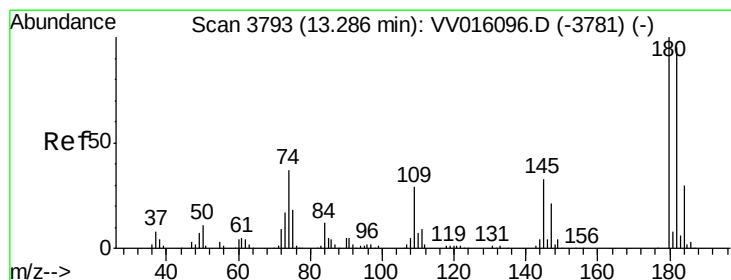
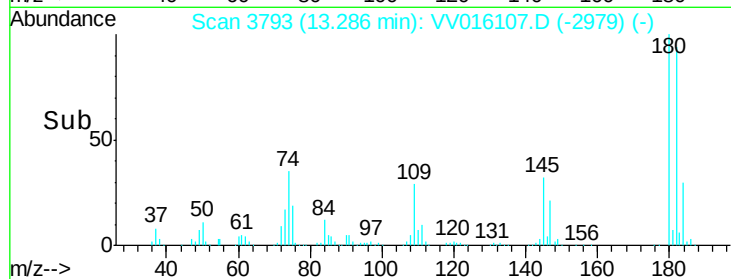
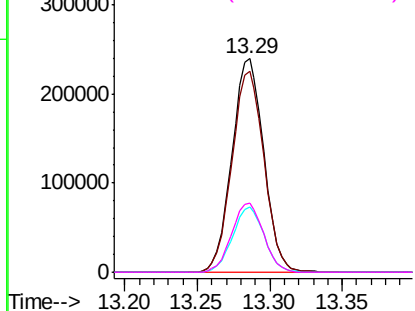


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

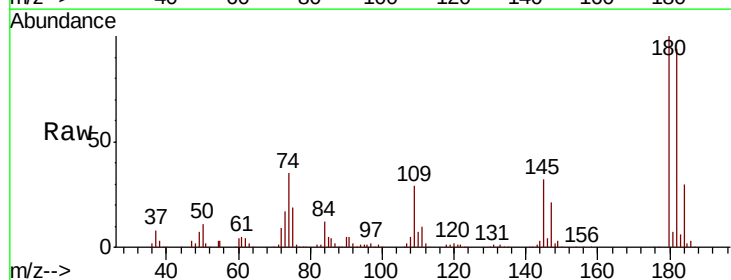
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 148.428 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016107.D
 Acq: 18 May 2020 17:22

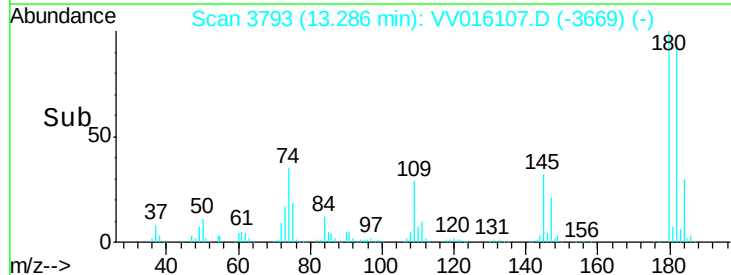
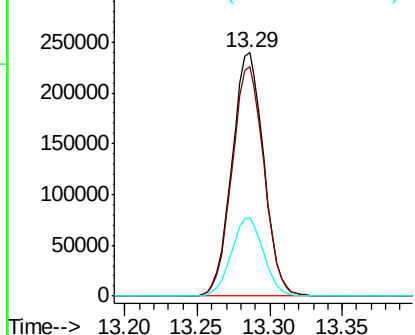
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.4
145	32.3	26.2	39.2

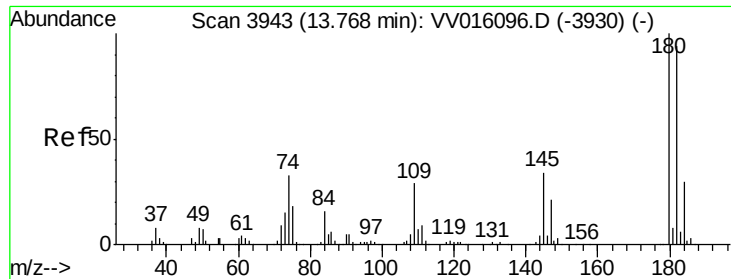


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 41.826 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016107.D
 Acq: 18 May 2020 17:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	103955
Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.3	112.9
145	34.6	27.4	41.0

