

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016020.D
 Acq On : 12 May 2020 17:50
 Operator : SY/MD
 Sample : L2542-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4200

Quant Time: May 13 08:18:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 06:55:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	132677	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	132023	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	58436	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28729	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.58	69	30839	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.12	63	50572	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.95	46	114433	55.73	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.46%
24) Chloroform-d	4.38	84	75325	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.06	65	47131	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.08	84	152079	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.10	67	49740	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.34	98	132444	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
45) trans-1,3-Dichloropropene-	7.65	79	15354	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
48) 2-Hexanone-d5	8.12	63	76121	46.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.08%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35203	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	51200	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

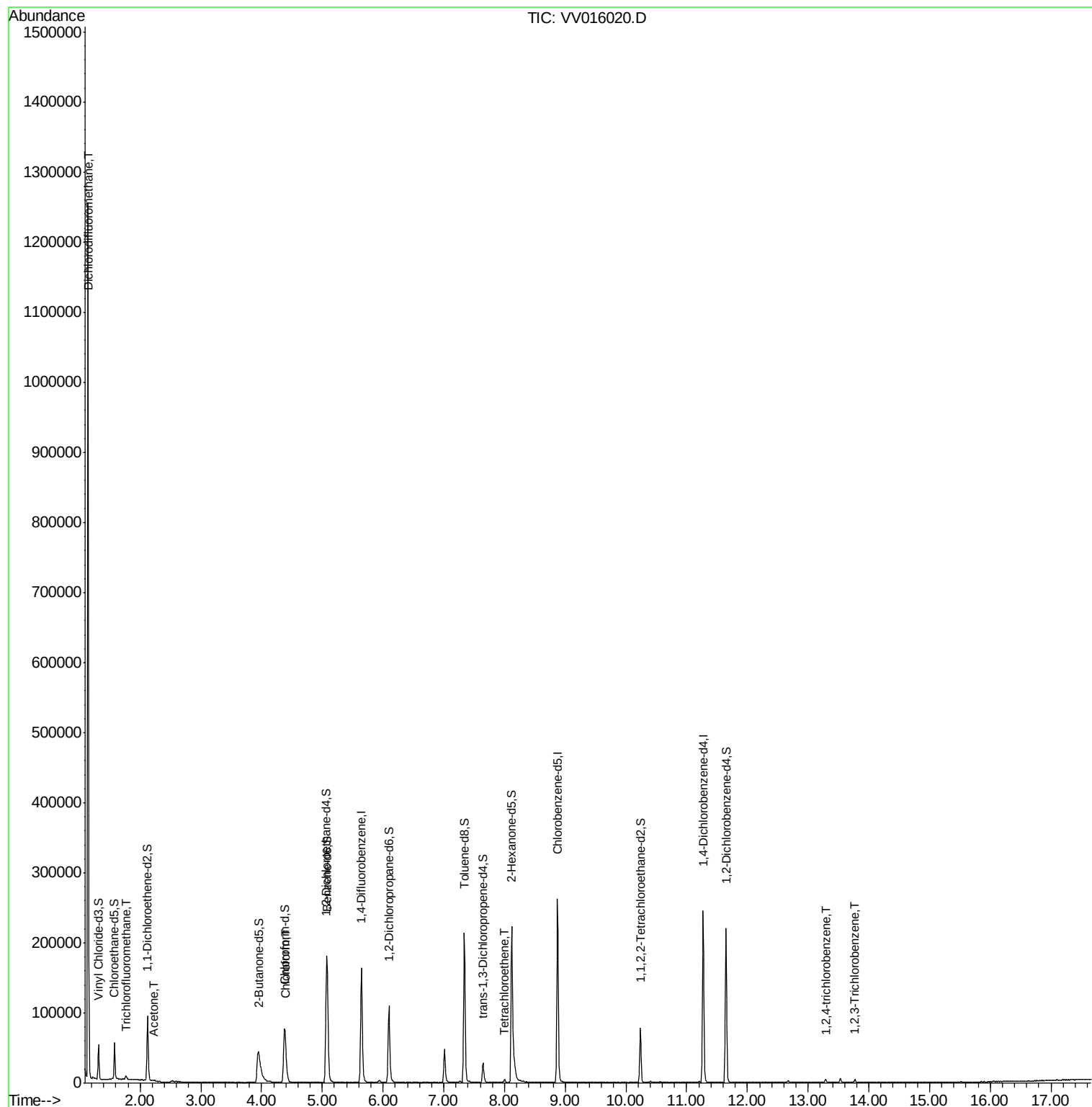
					Ovalue
2) Dichlorodifluoromethane	1.14	85	13028	1.281	ug/L 100
9) Trichlorofluoromethane	1.77	101	2191	0.162	ug/L 97
13) Acetone	2.23	43	4101	3.028	ug/L 97
25) Chloroform	4.41	83	16581	0.969	ug/L 92
49) Tetrachloroethene	8.00	164	752	0.114	ug/L # 76
69) 1,2,4-trichlorobenzene	13.29	180	1436	0.145	ug/L 98
71) 1,2,3-Trichlorobenzene	13.77	180	1439	0.165	ug/L # 88

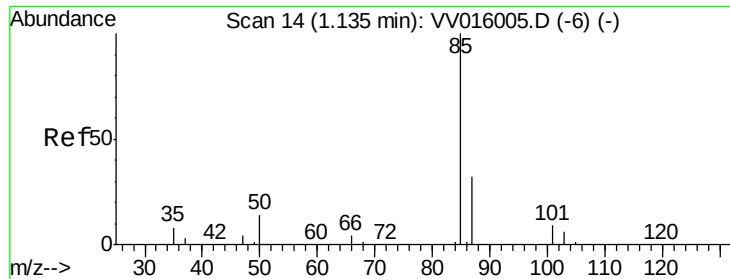
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.281 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016020.D

Acq: 12 May 2020 17:50

Instrument :

MSVOA_V

ClientSampled :

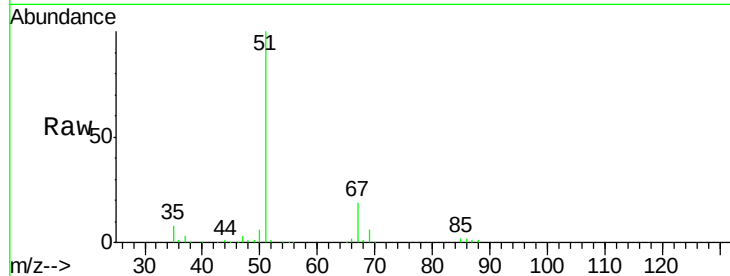
H4200

Tot Ion: 85 Resp: 13028

Ion Ratio Lower Upper

85 100

87 32.7 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV016020.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016020.D (-1) (-)

1.14

15000

10000

5000

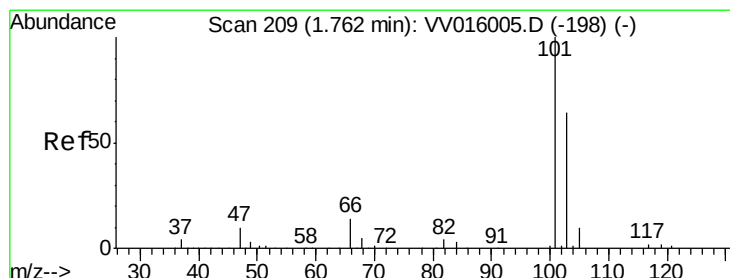
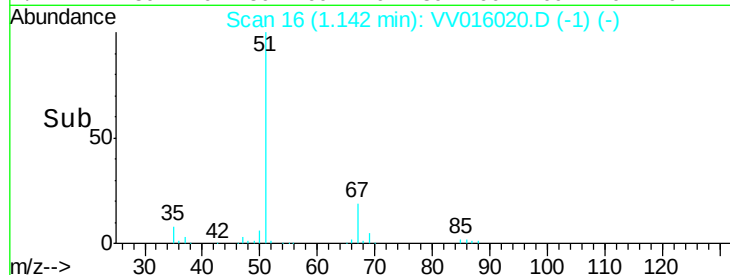
0

Time-->

1.10

1.15

1.20



#9

Trichlorofluoromethane

Concen: 0.162 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016020.D

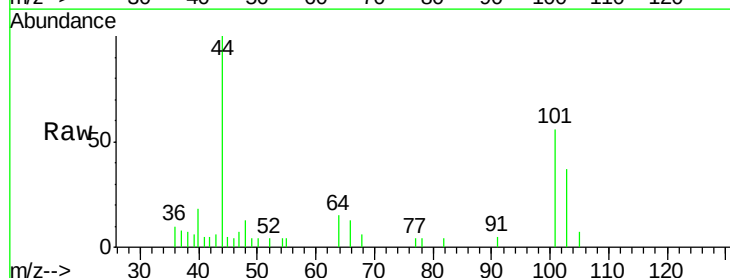
Acq: 12 May 2020 17:50

Tgt Ion: 101 Resp: 2191

Ion Ratio Lower Upper

101 100

103 66.8 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV016020.D (-116) (-)

Ion 103.00 (102.70 to 103.70): VV016020.D (-116) (-)

1.77

1500

1000

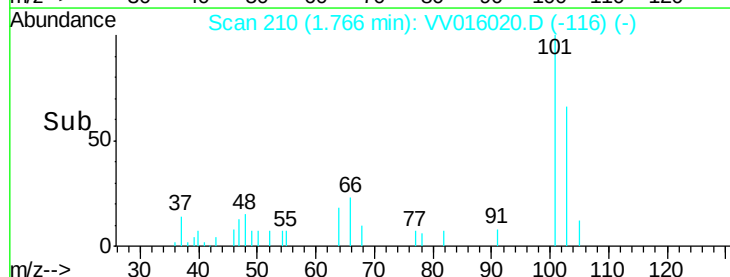
500

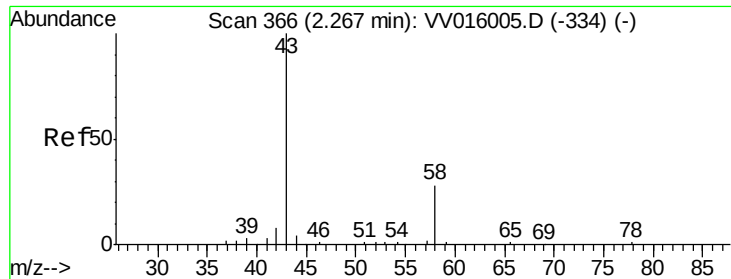
0

Time-->

1.75

1.80





#13

Acetone

Concen: 3.028 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.04 min

Lab File: VV016020.D

Acq: 12 May 2020 17:50

Instrument :

MSVOA_V

ClientSampled :

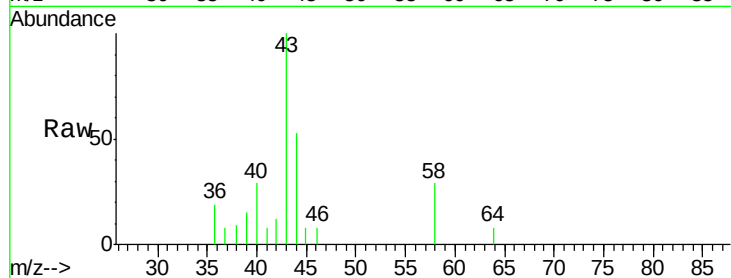
H4200

Tot Ion: 43 Resp: 4101

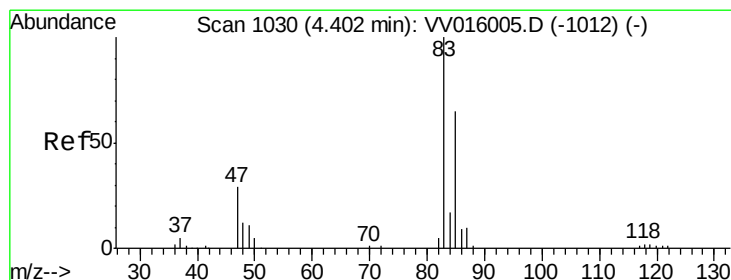
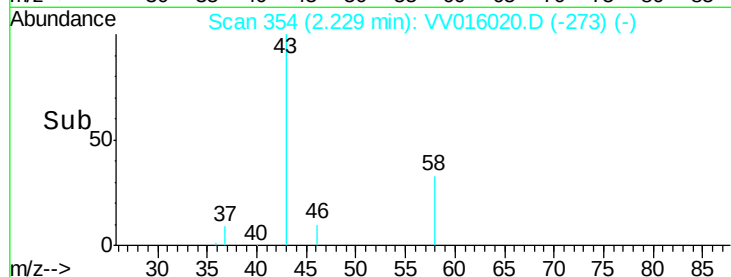
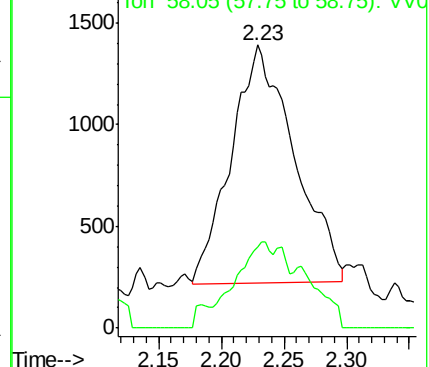
Ion Ratio Lower Upper

43 100

58 14.1 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016020.D (-273) (-)



#25

Chloroform

Concen: 0.969 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV016020.D

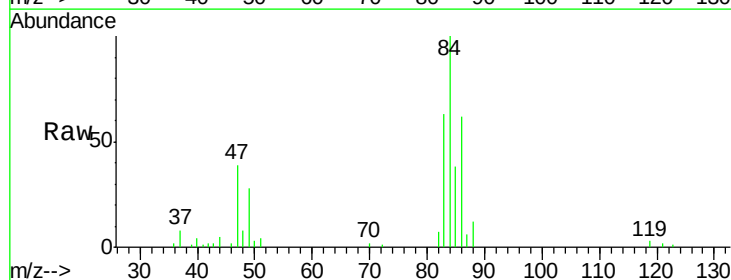
Acq: 12 May 2020 17:50

Tgt Ion: 83 Resp: 16581

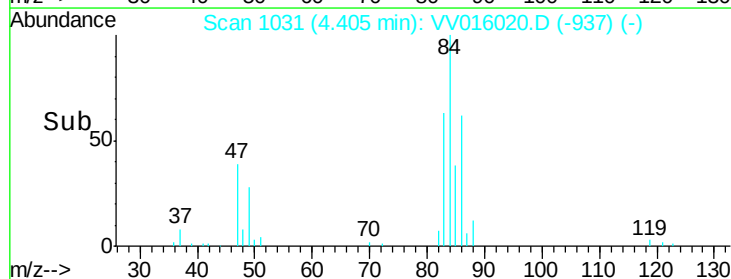
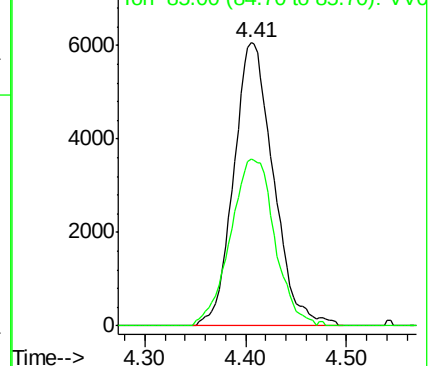
Ion Ratio Lower Upper

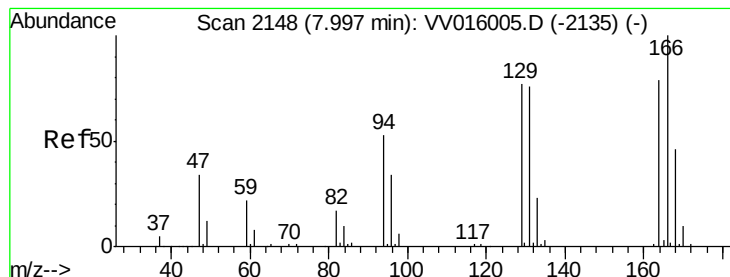
83 100

85 59.1 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV016020.D (-937) (-)





#49

Tetrachloroethene

Concen: 0.114 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV016020.D

Acq: 12 May 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

H4200

Tot Ion:164 Resp: 752

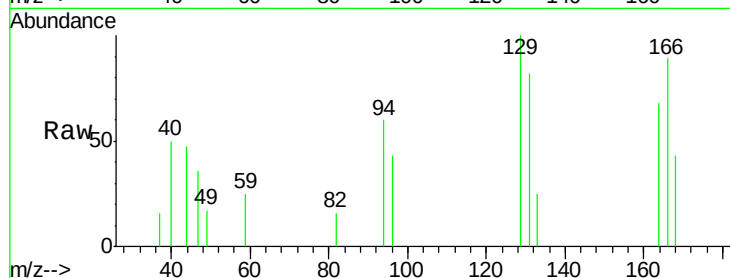
Ion Ratio Lower Upper

164 100

129 147.1 69.7 129.4#

131 120.1 66.8 124.2

166 131.6 89.1 165.5

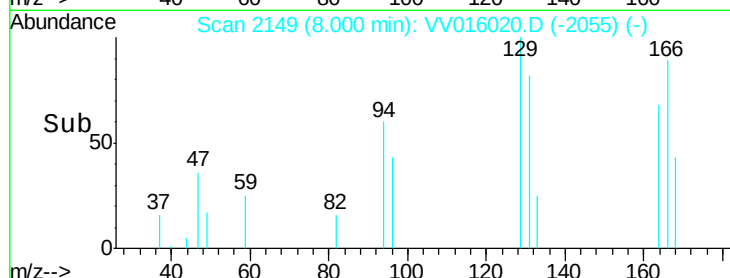
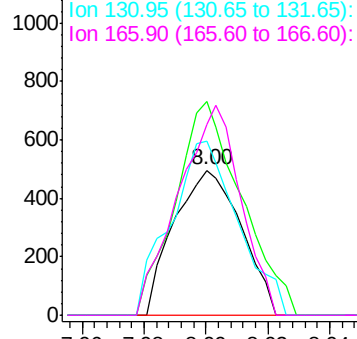


Abundance Ion 163.90 (163.60 to 164.60): V

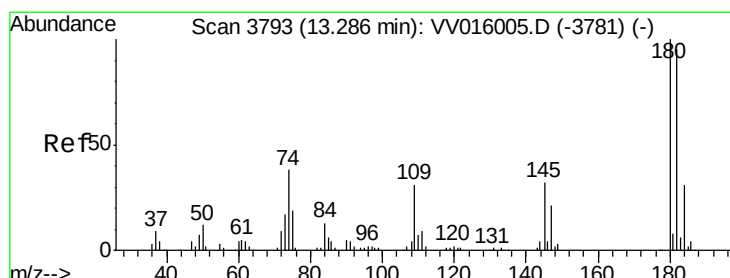
Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



Time-->



#69

1,2,4-trichlorobenzene

Concen: 0.145 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV016020.D

Acq: 12 May 2020 17:50

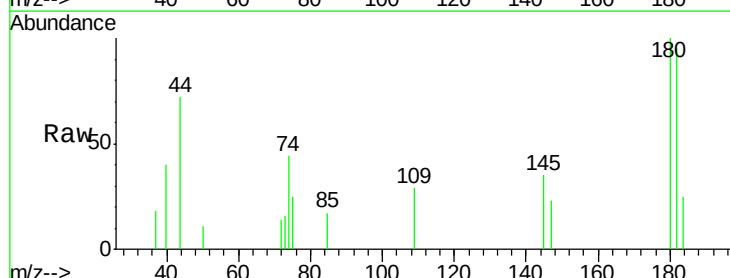
Tgt Ion:180 Resp: 1436

Ion Ratio Lower Upper

180 100

182 94.8 76.7 115.1

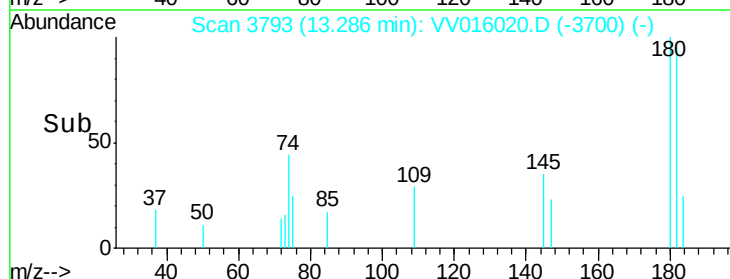
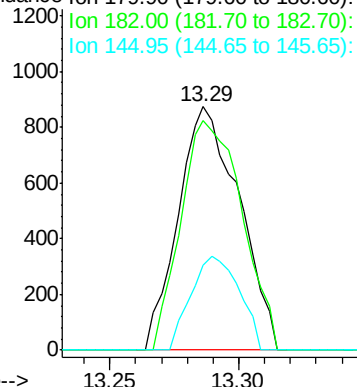
145 30.8 26.4 39.6

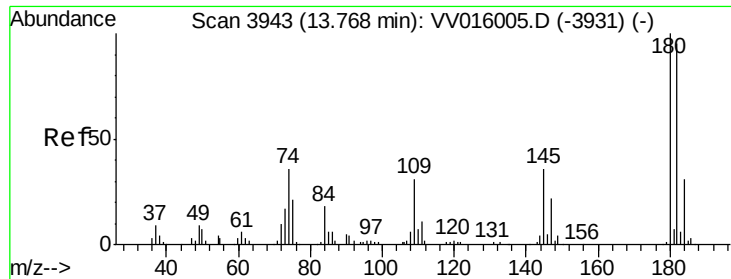


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#71

1,2,3-Trichlorobenzene

Concen: 0.165 ug/L

RT: 13.77 min Scan# 3945

Delta R.T. 0.01 min

Lab File: VV016020.D

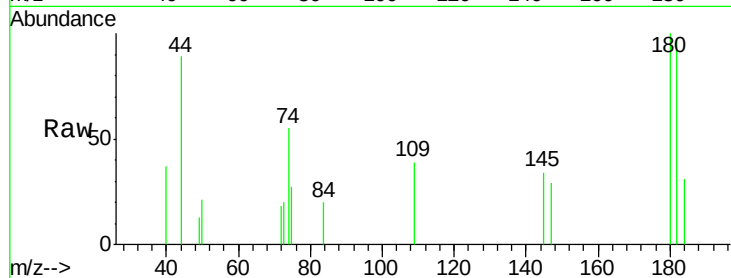
Acq: 12 May 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

H4200



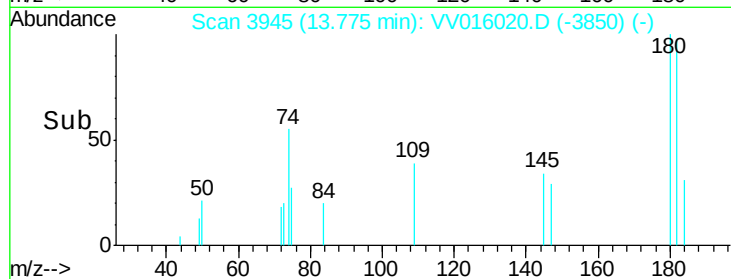
Tot Ion:180 Resp: 1439

Ion Ratio Lower Upper

180 100

182 107.4 77.0 115.6

145 27.8 28.3 42.5#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

