

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033019\
 Data File : VV010030.D
 Acq On : 30 Mar 2019 19:48
 Operator : SY/MD
 Sample : K2166-16
 Misc : 5.62G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0M6

Quant Time: Mar 30 23:36:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 23:31:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	117213	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	122253	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52424	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52054	21.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.52%
7) Chloroethane-d5	1.57	69	61501	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.76%
10) 1,1-Dichloroethene-d2	2.13	63	112778	17.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.32%
20) 2-Butanone-d5	3.94	46	30267	68.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.58%#
24) Chloroform-d	4.40	84	65352	21.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.52%
26) 1,2-Dichloroethane-d4	5.08	65	54712	30.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.76%
29) Benzene-d6	5.10	84	152568	23.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.04%
33) 1,2-Dichloropropane-d6	6.12	67	52336	27.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.44%
37) Toluene-d8	7.36	98	134739	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.68%
38) trans-1,3-Dichloropropene-	7.66	79	14817	19.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.12%
39) 2-Hexanone-d5	8.13	63	22064	62.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.86%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	51182	27.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.08%
61) 1,2-Dichlorobenzene-d4	11.68	152	51094	25.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.40%

Target Compounds

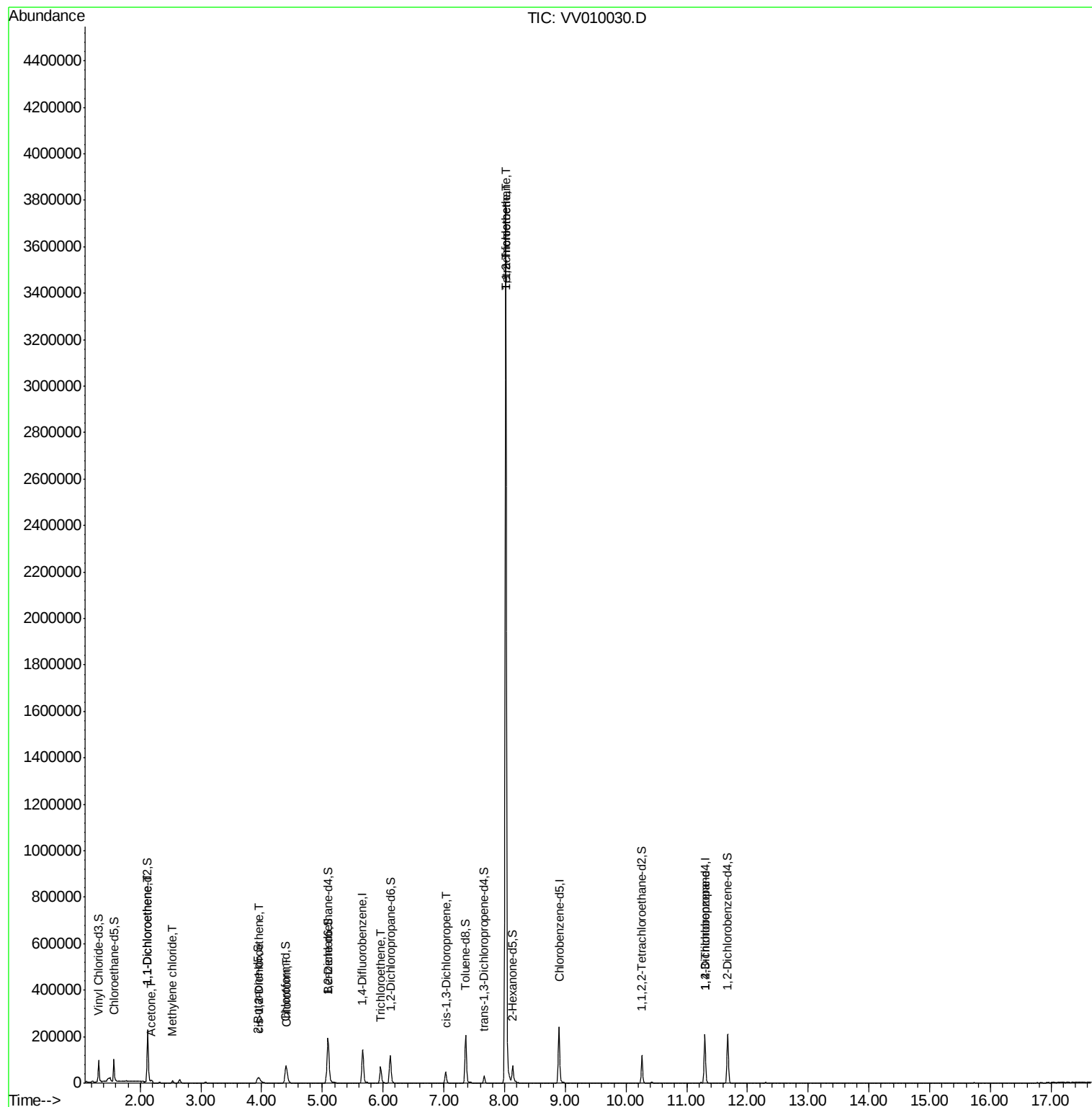
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.13	96	2122	0.740	ug/L #	1
13) Acetone	2.19	43	3737	5.569	ug/L	94
16) Methylene chloride	2.53	84	3897	2.019	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	3376	1.991	ug/L	91
25) Chloroform	4.43	83	15076	4.855	ug/L	98
35) Trichloroethene	5.96	95	21173	11.957	ug/L	97
42) cis-1,3-Dichloropropene	7.04	75	1529	0.625	ug/L #	53
46) 1,1,2-Trichloroethane	8.02	97	7482	5.393	ug/L #	24
47) Tetrachloroethene	8.02	164	719747	515.077	ug/L	97
59) 1,2,3-Trichloropropane	11.30	75	7956	5.895	ug/L	89

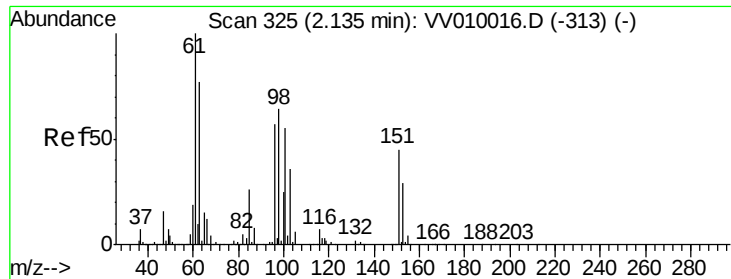
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.740 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV010030.D

Acq: 30 Mar 2019 19:48

Instrument :

MSVOA_V

ClientSampleId :

BF0M6

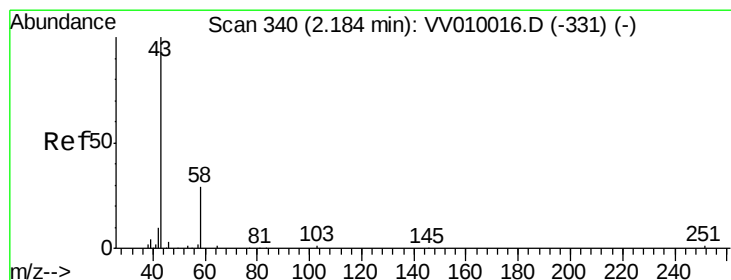
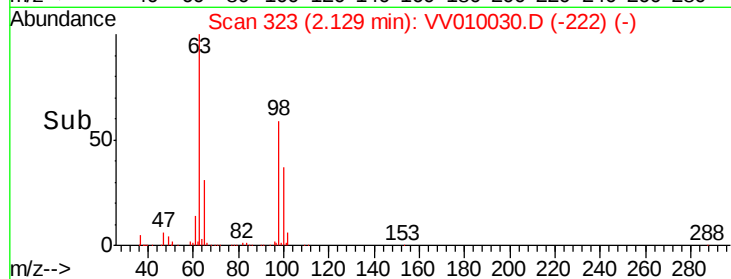
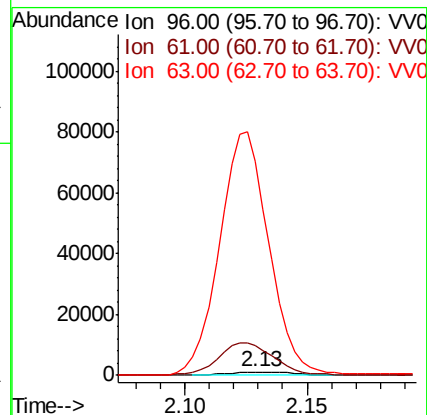
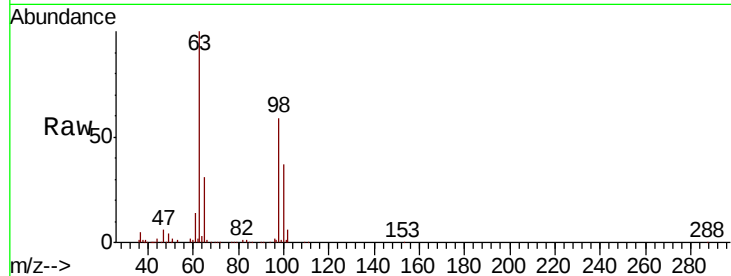
Tgt Ion: 96 Resp: 2122

Ion Ratio Lower Upper

96 100

61 885.4 124.3 230.8#

63 6385.5 88.2 163.8#



#13

Acetone

Concen: 5.569 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV010030.D

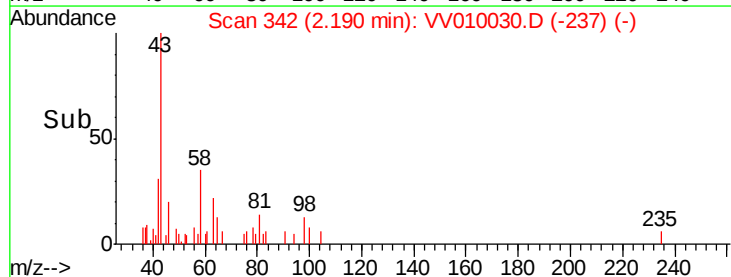
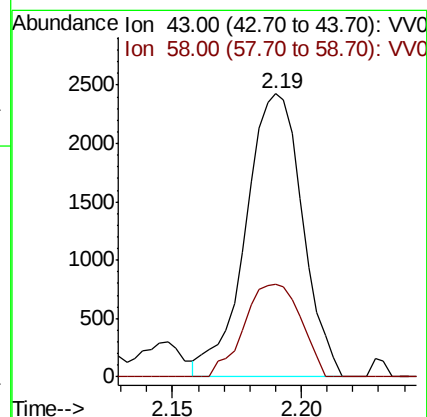
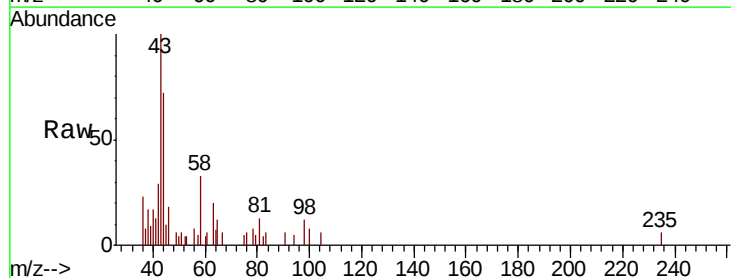
Acq: 30 Mar 2019 19:48

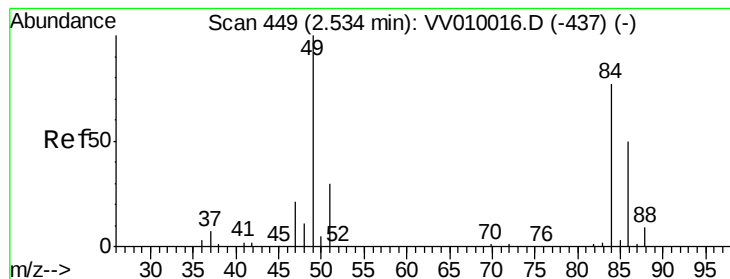
Tgt Ion: 43 Resp: 3737

Ion Ratio Lower Upper

43 100

58 32.7 0.0 59.4





#16

Methylene chloride

Concen: 2.019 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV010030.D

Acq: 30 Mar 2019 19:48

Instrument :

MSVOA_V

ClientSampleId :

BF0M6

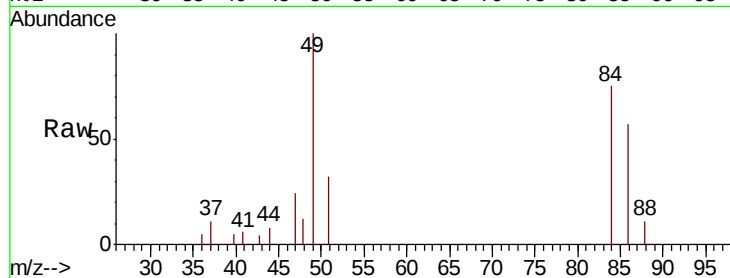
Tgt Ion: 84 Resp: 3897

Ion Ratio Lower Upper

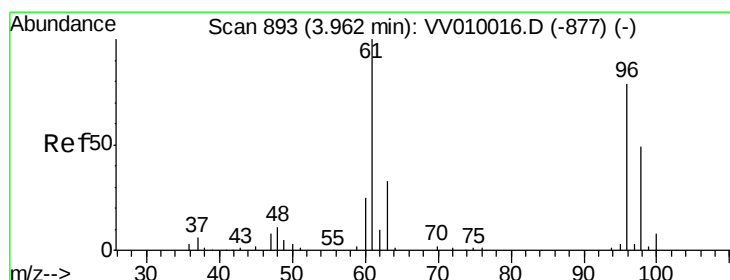
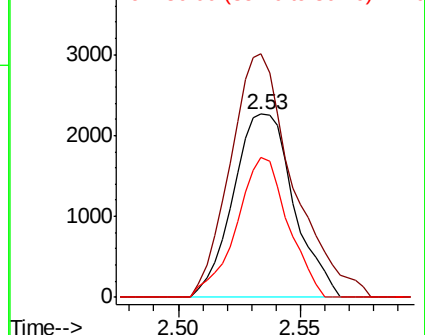
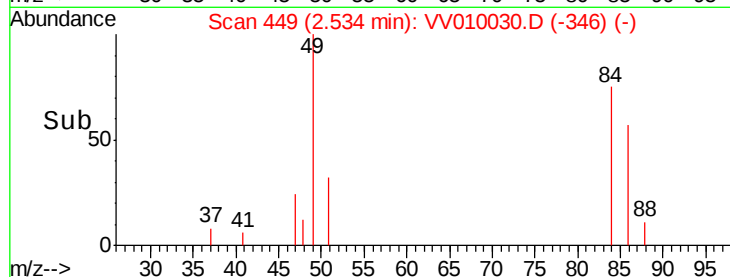
84 100

49 132.8 90.4 167.8

86 76.3 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV010030.D (-346) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.991 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV010030.D

Acq: 30 Mar 2019 19:48

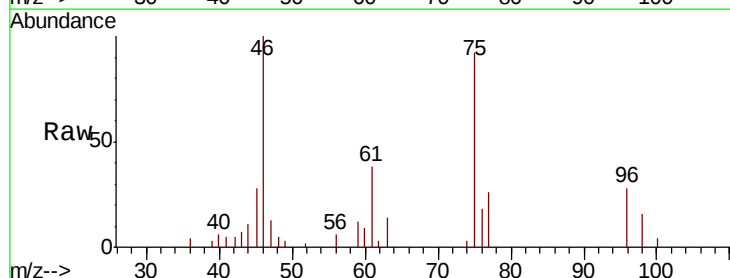
Tgt Ion: 96 Resp: 3376

Ion Ratio Lower Upper

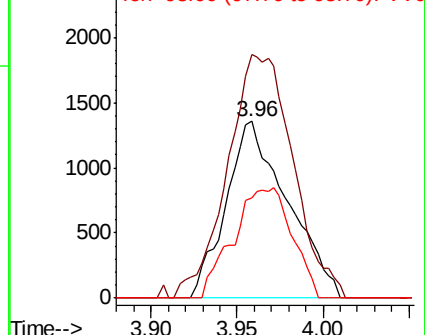
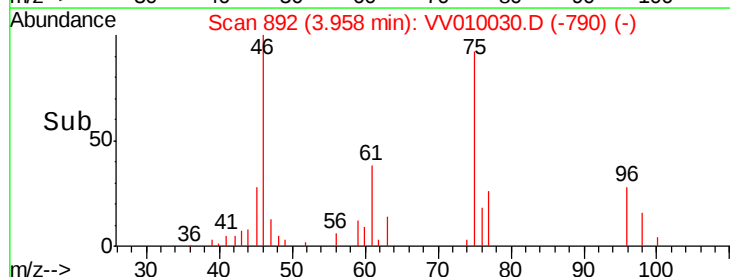
96 100

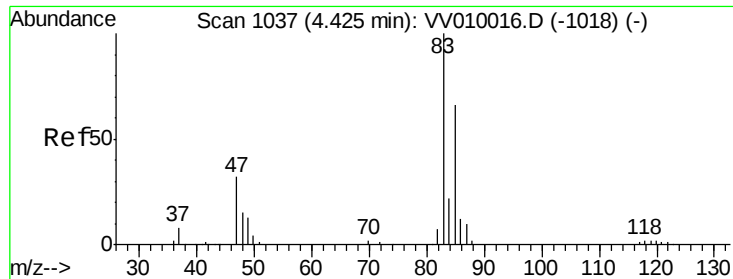
61 137.9 91.4 169.8

98 57.2 48.0 89.2



Abundance Ion 96.00 (95.70 to 96.70): VV010030.D (-790) (-)

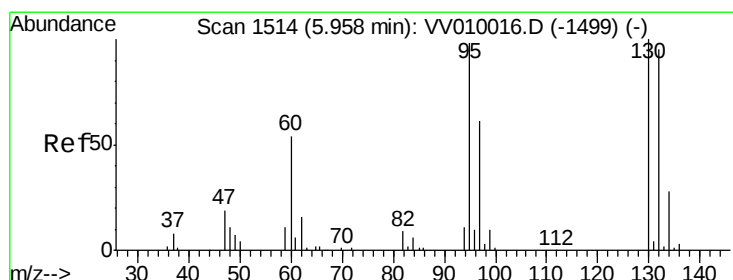
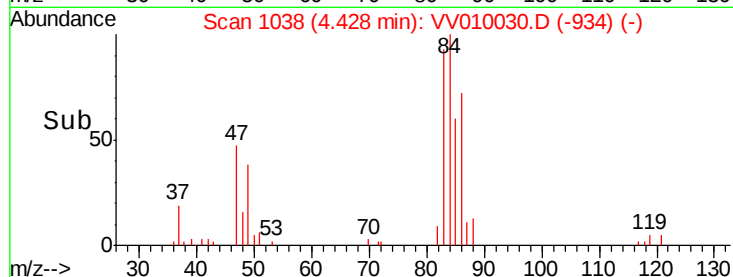
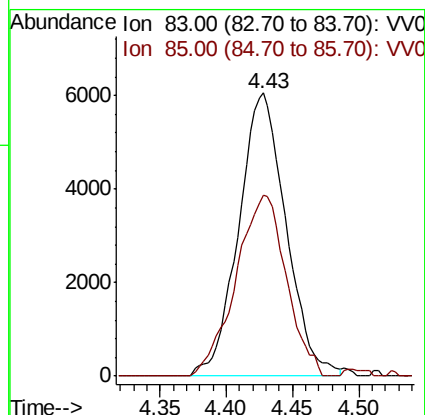
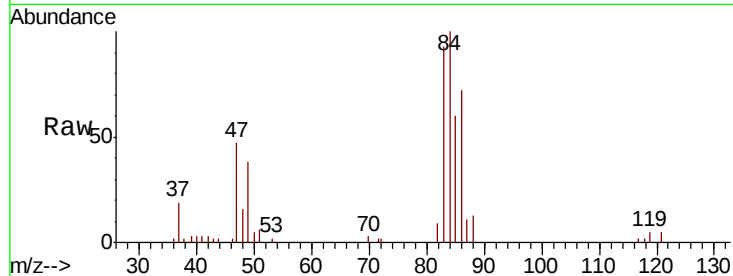




#25
Chloroform
Concen: 4.855 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010030.D
Acq: 30 Mar 2019 19:48

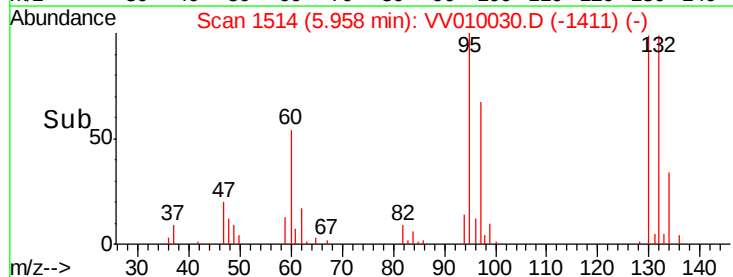
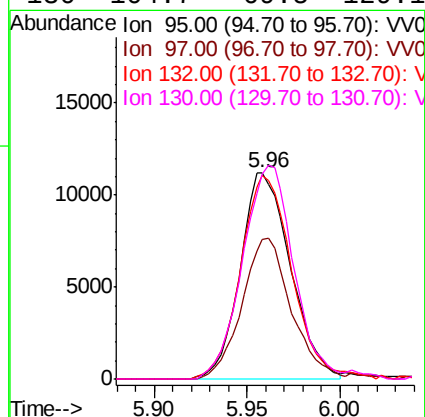
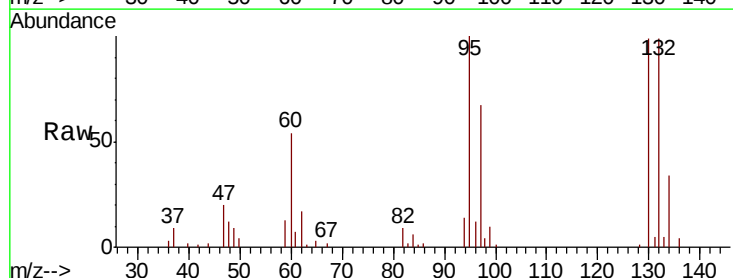
Instrument :
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BF0M6

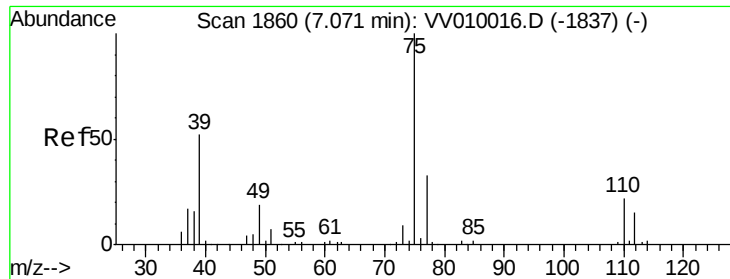
Tgt Ion: 83 Resp: 15076
Ion Ratio Lower Upper
83 100
85 67.7 46.1 85.7



#35
Trichloroethene
Concen: 11.957 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV010030.D
Acq: 30 Mar 2019 19:48

Tgt Ion: 95 Resp: 21173
Ion Ratio Lower Upper
95 100
97 67.0 46.3 85.9
132 101.3 69.3 128.7
130 104.7 69.5 129.1





#42

cis-1,3-Dichloropropene

Concen: 0.625 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV010030.D

Acq: 30 Mar 2019 19:48

Instrument :

MSVOA_V

ClientSampleId :

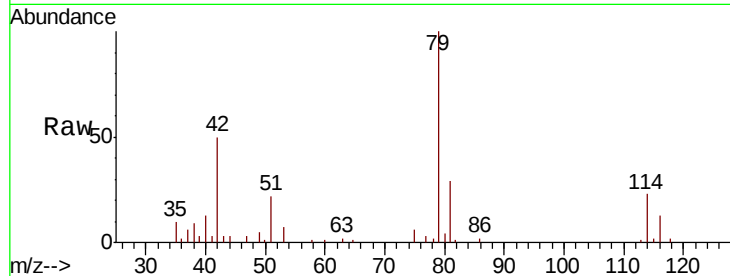
BF0M6

Tgt Ion: 75 Resp: 1529

Ion Ratio Lower Upper

75 100

77 57.3 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.04

800

600

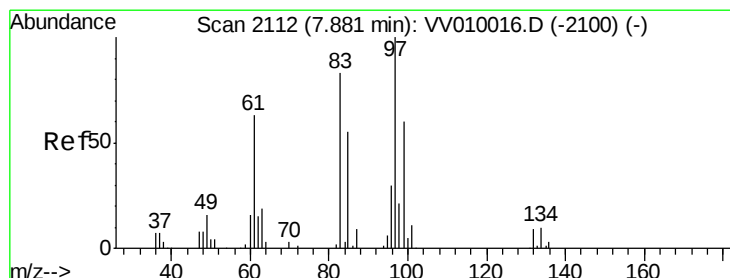
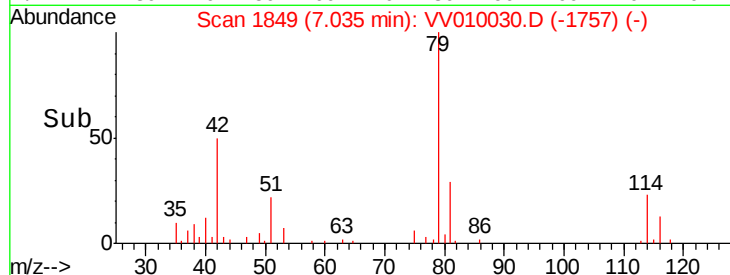
400

200

0

7.00 7.05

Time-->



#46

1,1,2-Trichloroethane

Concen: 5.393 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV010030.D

Acq: 30 Mar 2019 19:48

Tgt Ion: 97 Resp: 7482

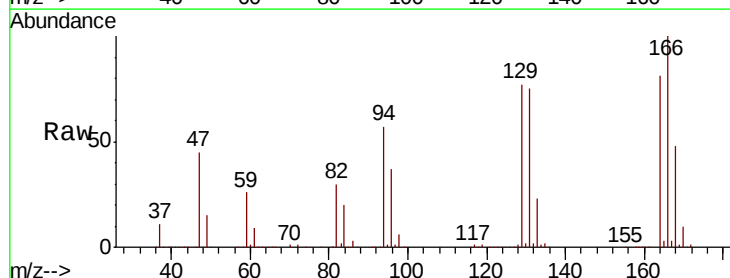
Ion Ratio Lower Upper

97 100

83 200.9 59.6 110.8#

85 46.3 39.2 72.8

99 12.9 42.6 79.2#



Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

15000

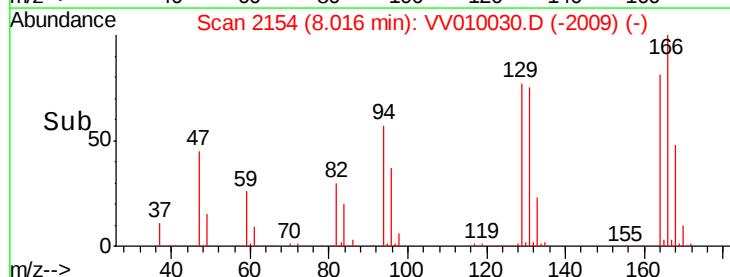
10000

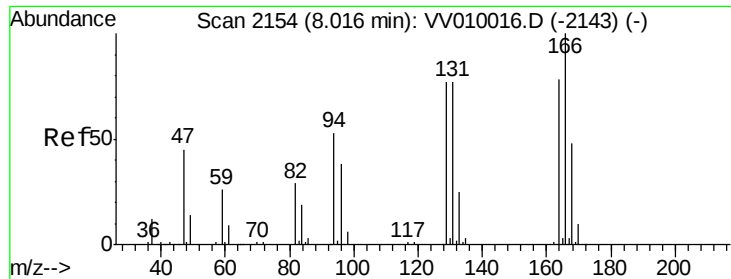
5000

0

8.00 8.05

Time-->

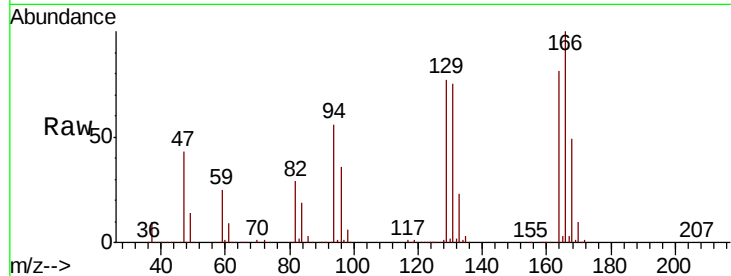




#47
Tetrachloroethene
Concen: 515.077 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV010030.D
Acq: 30 Mar 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
BF0M6

Tgt Ion:	164	Resp:	719747
Ion	Ratio	Lower	Upper
164	100		
129	94.2	64.9	120.5
131	91.8	62.0	115.2
166	123.1	82.9	153.9



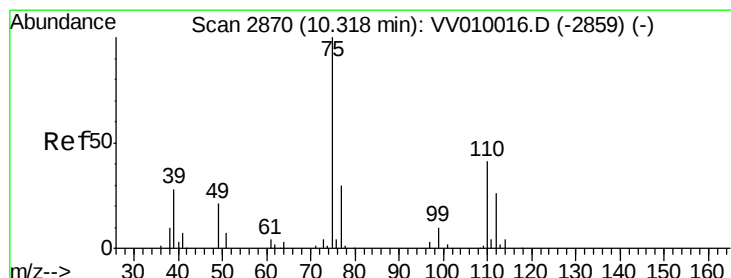
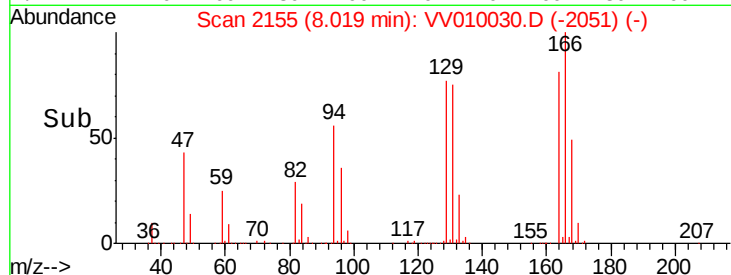
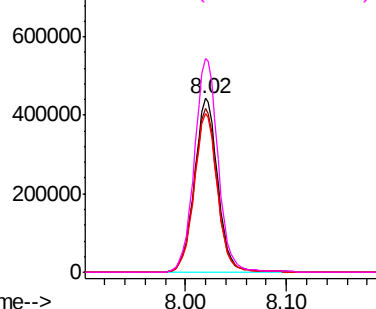
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

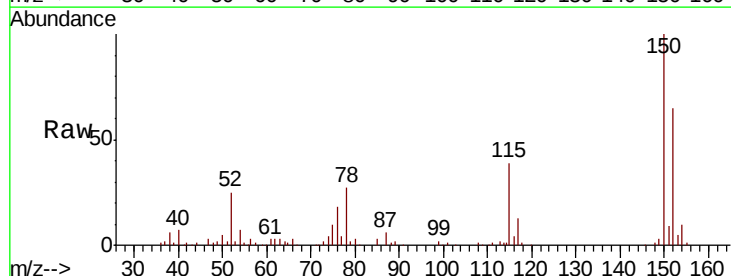
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59
1,2,3-Trichloropropane
Concen: 5.895 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.98 min
Lab File: VV010030.D
Acq: 30 Mar 2019 19:48

Tgt Ion:	75	Resp:	7956
Ion	Ratio	Lower	Upper
75	100		
77	39.0	26.2	39.2



Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

