

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
 Data File : VV010093.D
 Acq On : 03 Apr 2019 15:26
 Operator : SY/MD
 Sample : K2215-07
 Misc : 5.65G/10mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF2M8

Quant Time: Apr 04 06:05:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:01:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	222251	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	221051	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	97458	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53814	18.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.36%
7) Chloroethane-d5	1.57	69	64005	17.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.28%
10) 1,1-Dichloroethene-d2	2.13	63	222830	29.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	118.76%#
20) 2-Butanone-d5	3.95	46	36786	43.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.90%
24) Chloroform-d	4.40	84	130025	23.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.88%
26) 1,2-Dichloroethane-d4	5.08	65	78442	25.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.16%
29) Benzene-d6	5.10	84	266187	23.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.88%
33) 1,2-Dichloropropane-d6	6.12	67	81239	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.04%
37) Toluene-d8	7.36	98	241915	21.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.60%
38) trans-1,3-Dichloropropene-	7.66	79	27132	18.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.04%
39) 2-Hexanone-d5	8.13	63	30142	44.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.84%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	74483	22.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.28%
61) 1,2-Dichlorobenzene-d4	11.68	152	92343	24.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.28%

Target Compounds

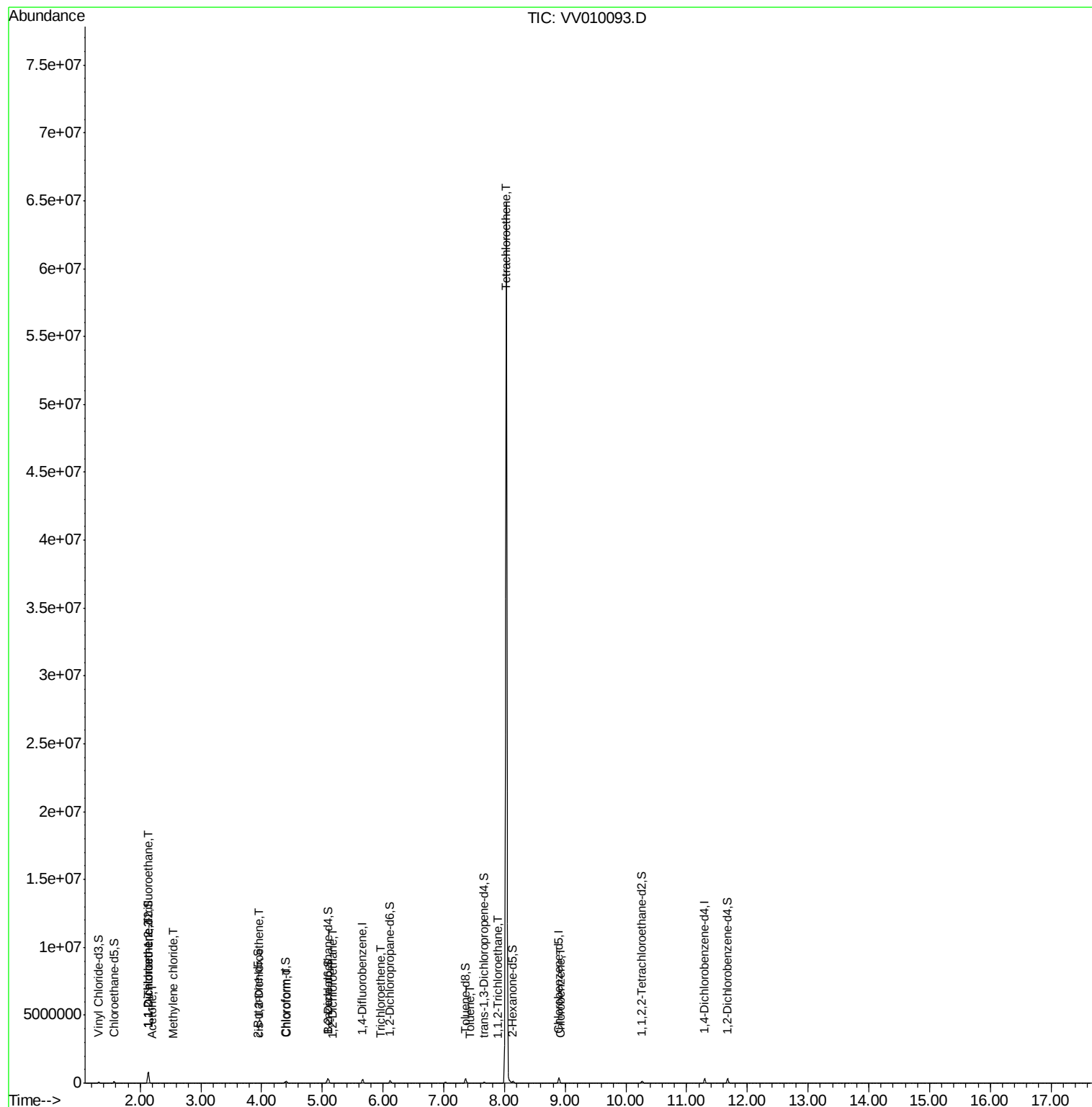
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2146	0.600	ug/L #	22
12) 1,1-Dichloroethene	2.14	96	189996	62.529	ug/L #	71
13) Acetone	2.21	43	1805	2.156	ug/L	95
16) Methylene chloride	2.53	84	6174	1.581	ug/L	89
22) cis-1,2-Dichloroethene	3.97	96	1445	0.490	ug/L	97
25) Chloroform	4.42	83	1945	0.385	ug/L	77
27) 1,2-Dichloroethane	5.18	62	1667	0.484	ug/L	98
35) Trichloroethene	5.96	95	5753	1.849	ug/L #	67
44) Toluene	7.43	91	8309	0.685	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	2878	1.188	ug/L #	65
47) Tetrachloroethene	8.03	164	13292782	5104.014	ug/L	87
52) Chlorobenzene	8.93	112	3766	0.455	ug/L	94

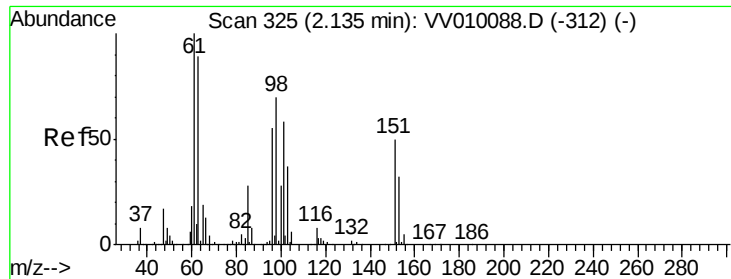
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_V
ClientSampleId :
BF2M8

Quant Time: Apr 04 06:05:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:01:11 2019
Response via : Initial Calibration





#11

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

Concen: 0.600 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV010093.D

Acq: 03 Apr 2019 15:26

Instrument :

MSVOA_V

ClientSampleId :

BF2M8

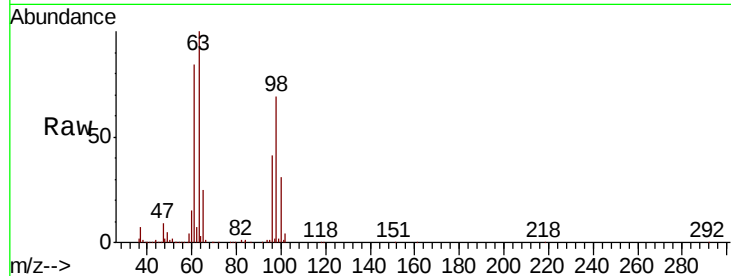
Tgt Ion: 101 Resp: 2146

Ion Ratio Lower Upper

101 100

85 2.1 37.3 55.9#

151 6.8 65.4 98.2#

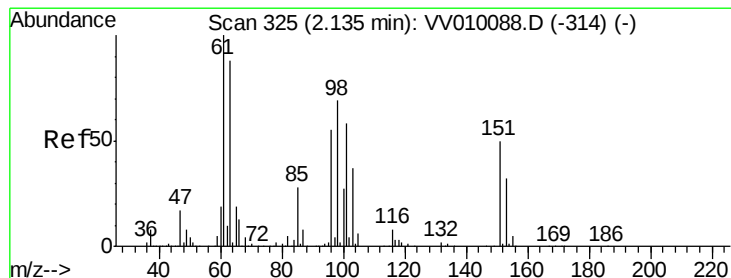
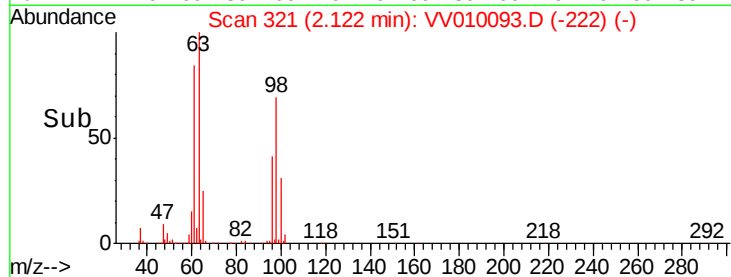
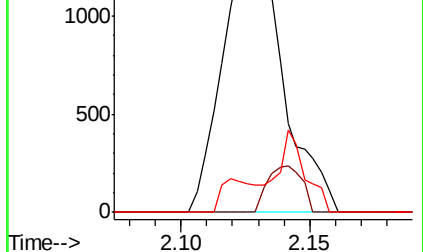


Abundance Ion 101.00 (100.70 to 101.70): VV010088.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV010088.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV010088.D (-312) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 62.529 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010093.D

Acq: 03 Apr 2019 15:26

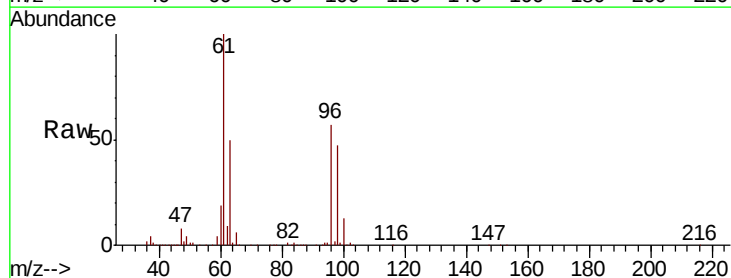
Tgt Ion: 96 Resp: 189996

Ion Ratio Lower Upper

96 100

61 173.9 127.8 237.4

63 87.8 112.6 209.2#

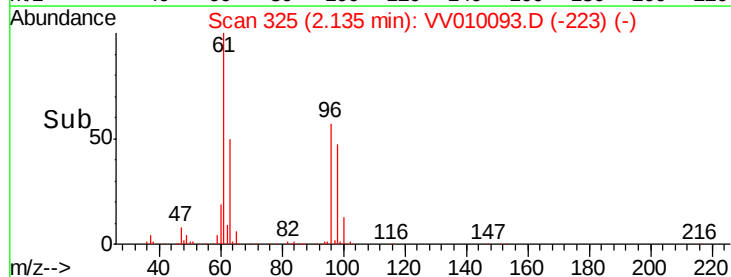
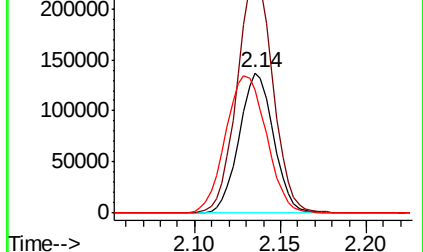


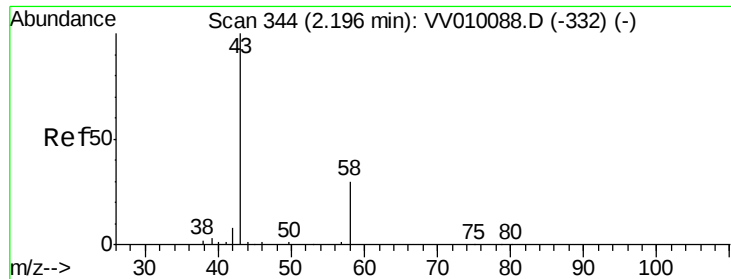
Abundance Ion 96.00 (95.70 to 96.70): VV010088.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV010088.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV010088.D (-314) (-)

Time-->





#13

Acetone

Concen: 2.156 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV010093.D

Acq: 03 Apr 2019 15:26

Instrument :

MSVOA_V

ClientSampled :

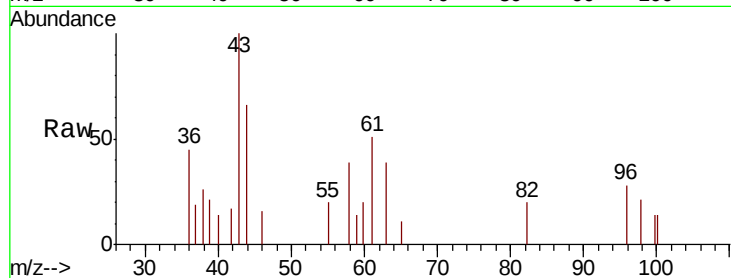
BF2M8

Tgt Ion: 43 Resp: 1805

Ion Ratio Lower Upper

43 100

58 29.6 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010088.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV010088.D (-332) (-)

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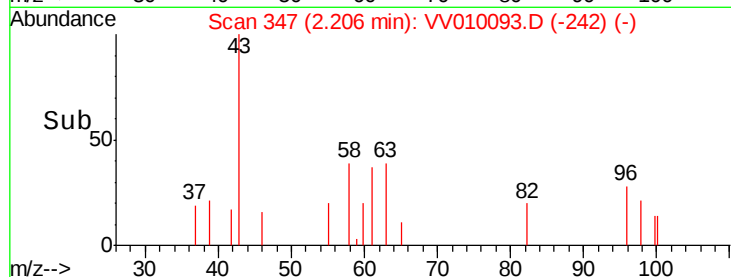
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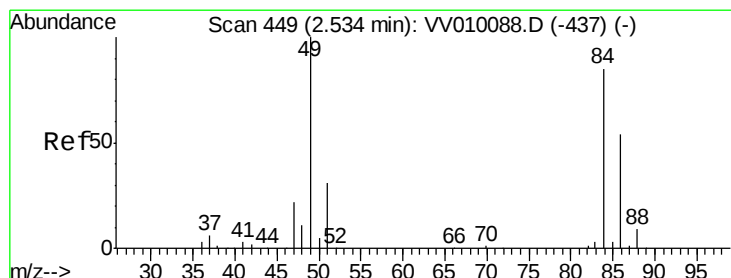
2.21

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2.21



Time-->



#16

Methylene chloride

Concen: 1.581 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010093.D

Acq: 03 Apr 2019 15:26

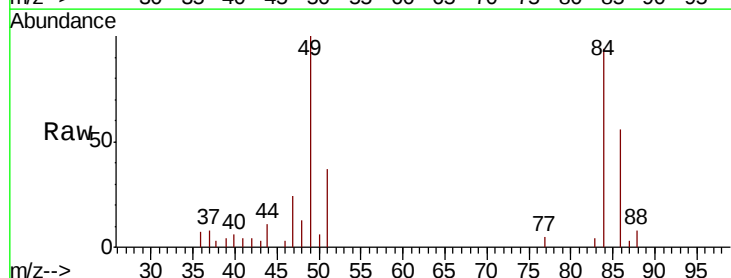
Tgt Ion: 84 Resp: 6174

Ion Ratio Lower Upper

84 100

49 106.4 84.3 156.5

86 59.2 45.4 84.2



Abundance Ion 84.00 (83.70 to 84.70): VV010088.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV010088.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010088.D (-437) (-)

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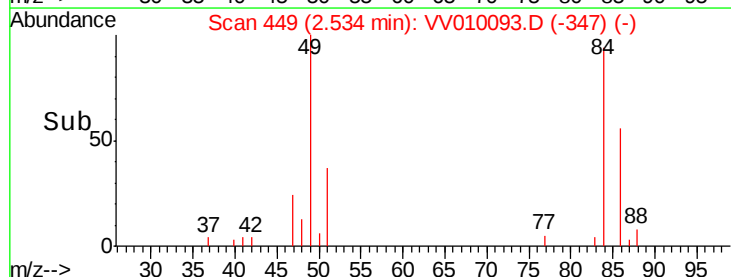
2.53

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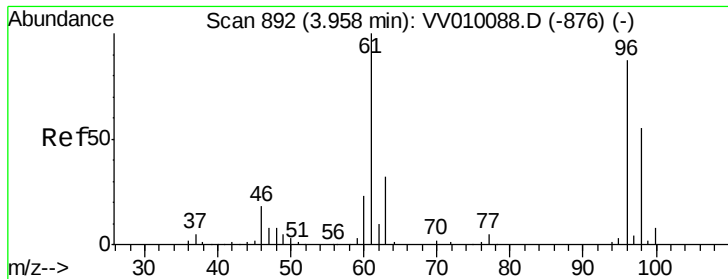
2.53

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Time-->

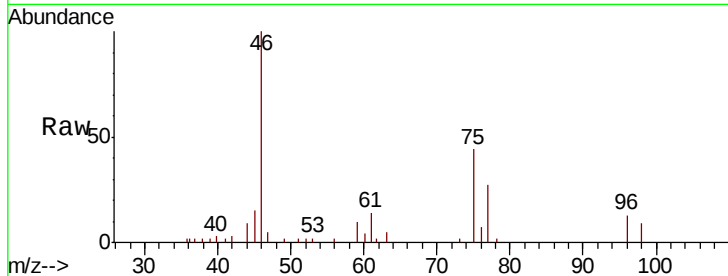


#22

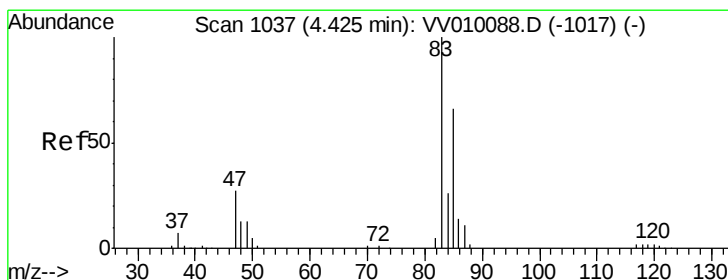
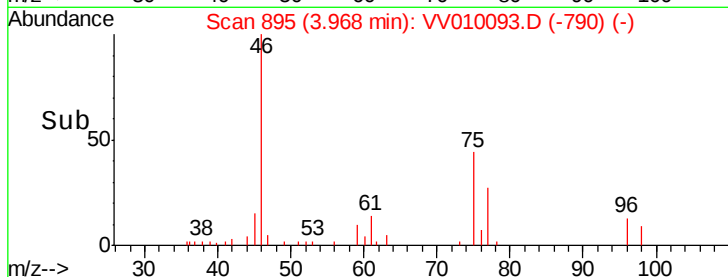
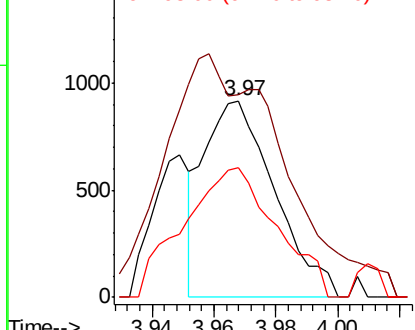
cis-1,2-Dichloroethene
 Concen: 0.490 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV010093.D
 Acq: 03 Apr 2019 15:26

Instrument :
 MSVOA_V
 ClientSampled :
 BF2M8

Tgt Ion: 96 Resp: 1445
 Ion Ratio Lower Upper
 96 100
 61 115.5 82.7 153.5
 98 66.1 43.9 81.5



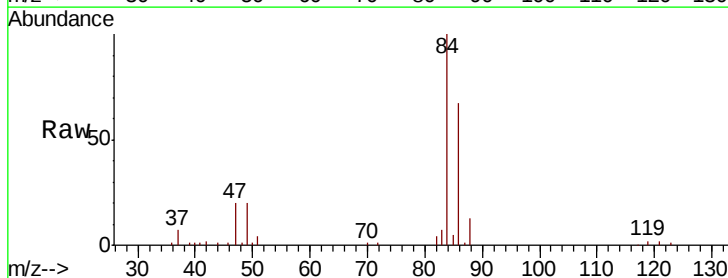
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



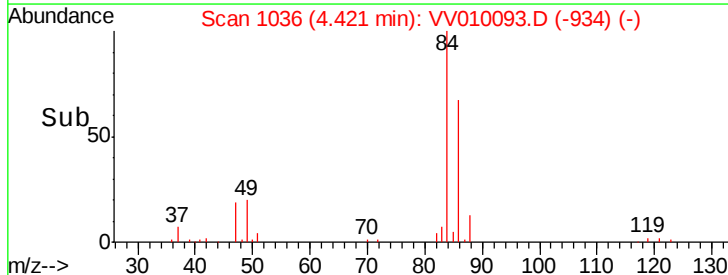
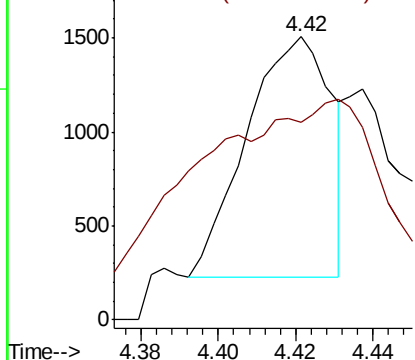
#25

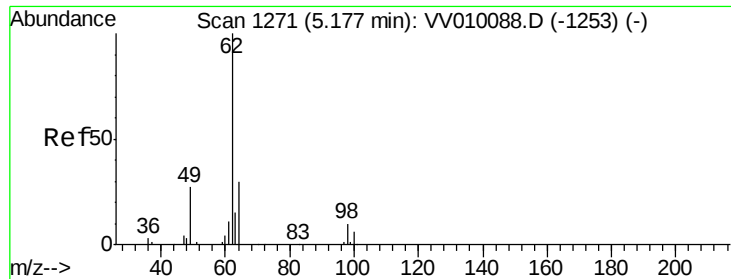
Chloroform
 Concen: 0.385 ug/L
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VV010093.D
 Acq: 03 Apr 2019 15:26

Tgt Ion: 83 Resp: 1945
 Ion Ratio Lower Upper
 83 100
 85 84.9 46.4 86.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.484 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VV010093.D

Acq: 03 Apr 2019 15:26

Instrument :

MSVOA_V

ClientSampled :

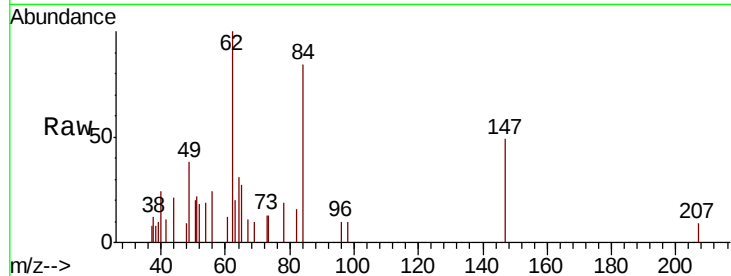
BF2M8

Tgt Ion: 62 Resp: 1667

Ion Ratio Lower Upper

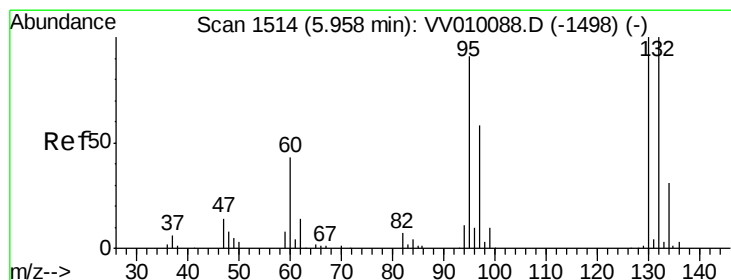
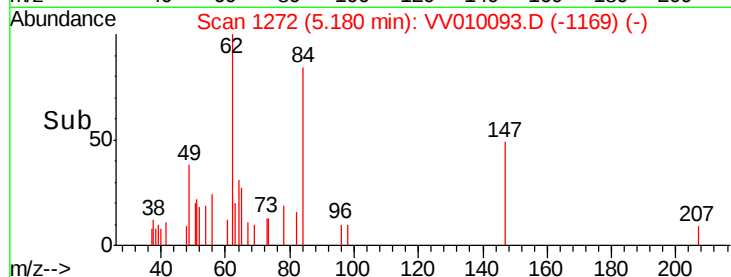
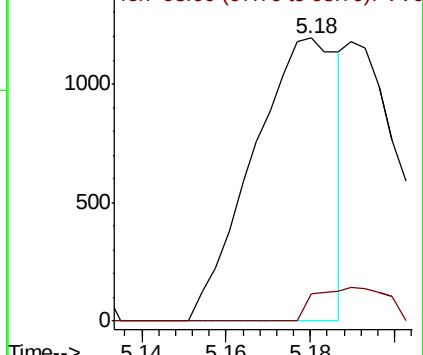
62 100

98 9.6 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VV010088.D (-1253) (-)

Ion 98.00 (97.70 to 98.70): VV010088.D (-1253) (-)



#35

Trichloroethene

Concen: 1.849 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010093.D

Acq: 03 Apr 2019 15:26

Tgt Ion: 95 Resp: 5753

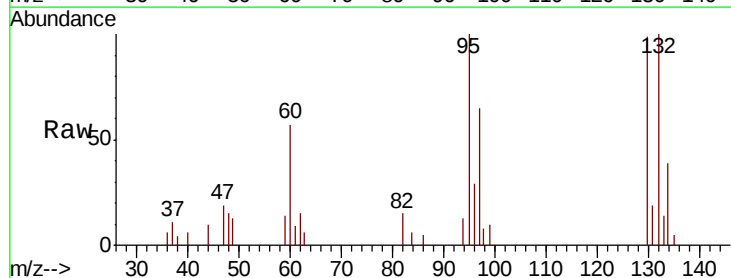
Ion Ratio Lower Upper

95 100

97 41.3 45.8 85.2#

132 45.2 70.6 131.0#

130 95.0 76.1 141.3

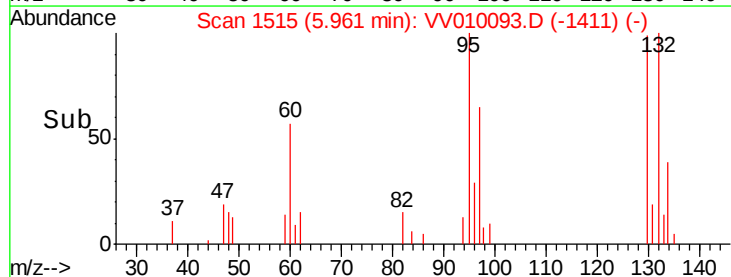
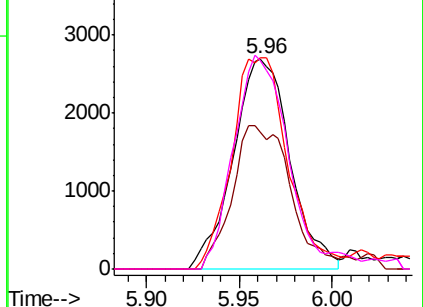


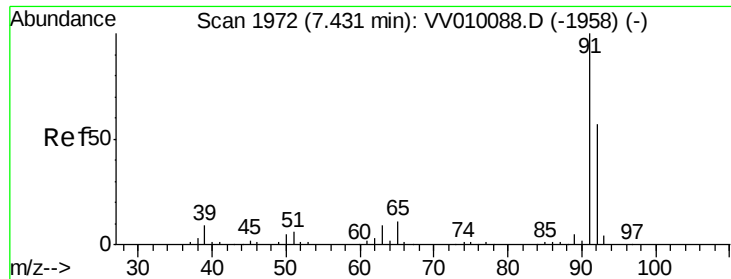
Abundance Ion 95.00 (94.70 to 95.70): VV010088.D (-1498) (-)

Ion 97.00 (96.70 to 97.70): VV010088.D (-1498) (-)

Ion 132.00 (131.70 to 132.70): VV010088.D (-1498) (-)

Ion 130.00 (129.70 to 130.70): VV010088.D (-1498) (-)





#44

Toluene

Concen: 0.685 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010093.D

Acq: 03 Apr 2019 15:26

Instrument :

MSVOA_V

ClientSampleId :

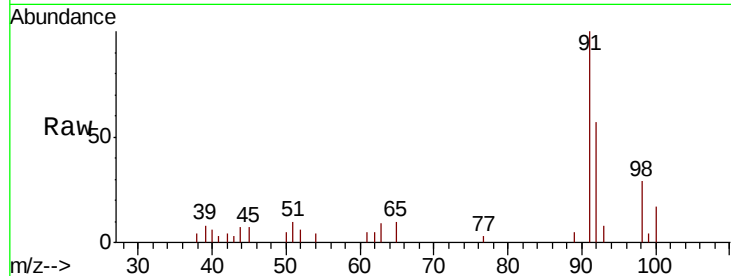
BF2M8

Tgt Ion: 91 Resp: 8309

Ion Ratio Lower Upper

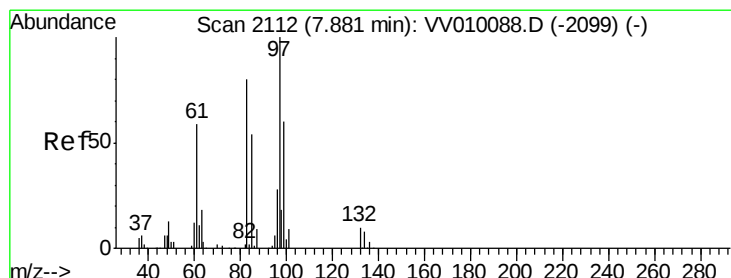
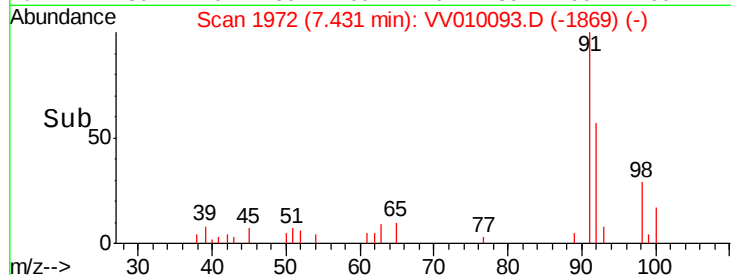
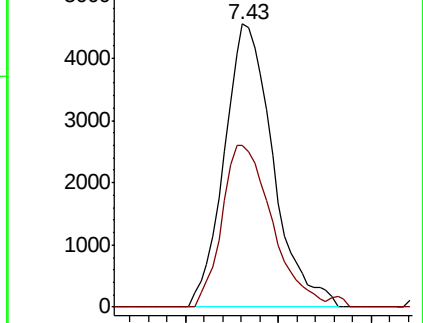
91 100

92 57.4 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010088.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010088.D (-1958) (-)



#46

1,1,2-Trichloroethane

Concen: 1.188 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV010093.D

Acq: 03 Apr 2019 15:26

Tgt Ion: 97 Resp: 2878

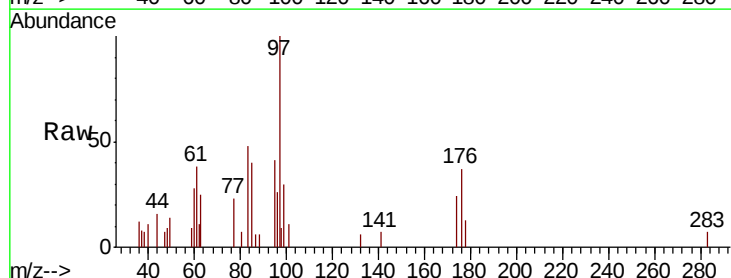
Ion Ratio Lower Upper

97 100

83 47.7 58.5 108.7#

85 39.5 37.2 69.2

99 29.9 43.3 80.3#

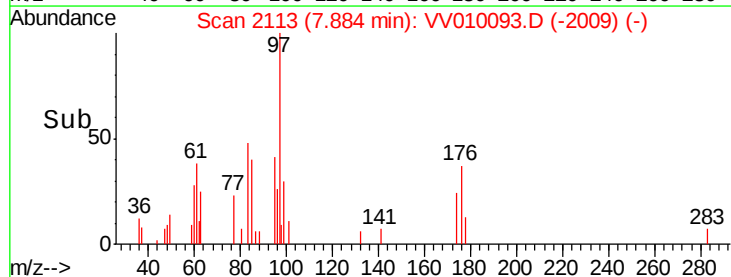
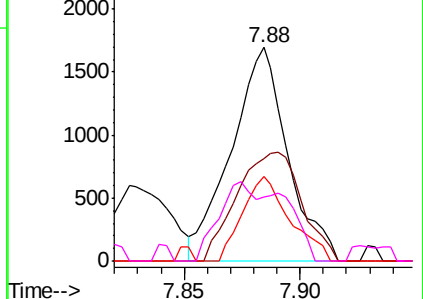


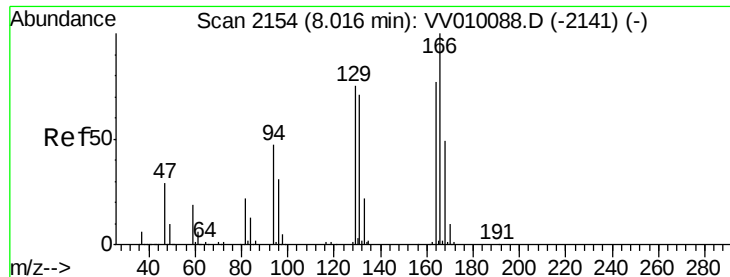
Abundance Ion 97.00 (96.70 to 97.70): VV010088.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV010088.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV010088.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV010088.D (-2099) (-)





#47

Tetrachloroethene

Concen: 5104.014 ug/L

RT: 8.03 min Scan# 2159

Delta R.T. 0.01 min

Lab File: VV010093.D

Acq: 03 Apr 2019 15:26

Instrument :

MSVOA_V

ClientSampleId :

BF2M8

Tgt Ion:164 Resp:13292782

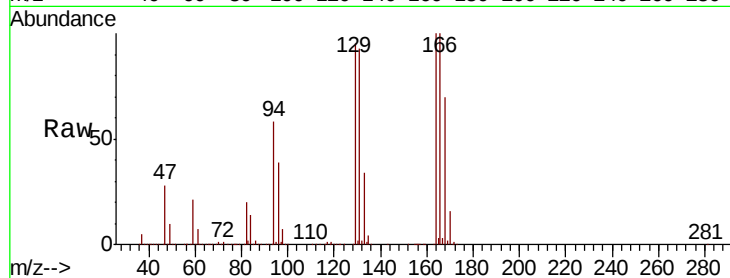
Ion Ratio Lower Upper

164 100

129 94.6 67.8 125.8

131 92.8 65.2 121.0

166 100.0 93.8 174.2

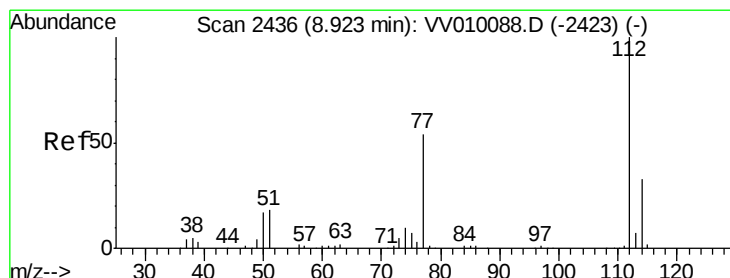
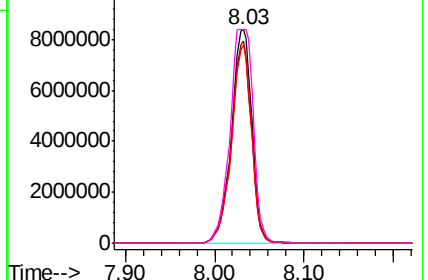
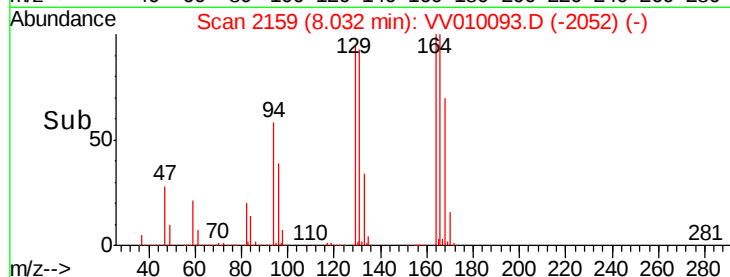


Abundance Ion 164.00 (163.70 to 164.70): V

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



#52

Chlorobenzene

Concen: 0.455 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV010093.D

Acq: 03 Apr 2019 15:26

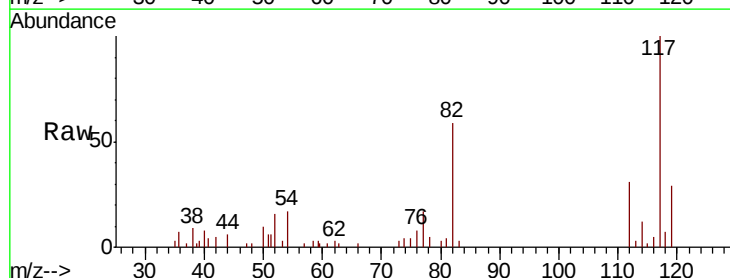
Tgt Ion:112 Resp: 3766

Ion Ratio Lower Upper

112 100

77 54.9 42.9 64.3

114 40.0 23.4 43.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

