

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

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 10:40:37 AM

Quant Time: Apr 04 07:57:04 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	Ovalue
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	2029m	0.688	ug/L	
27) 1,2-Dichloroethane	5.18	62	2861m	0.830	ug/L	
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

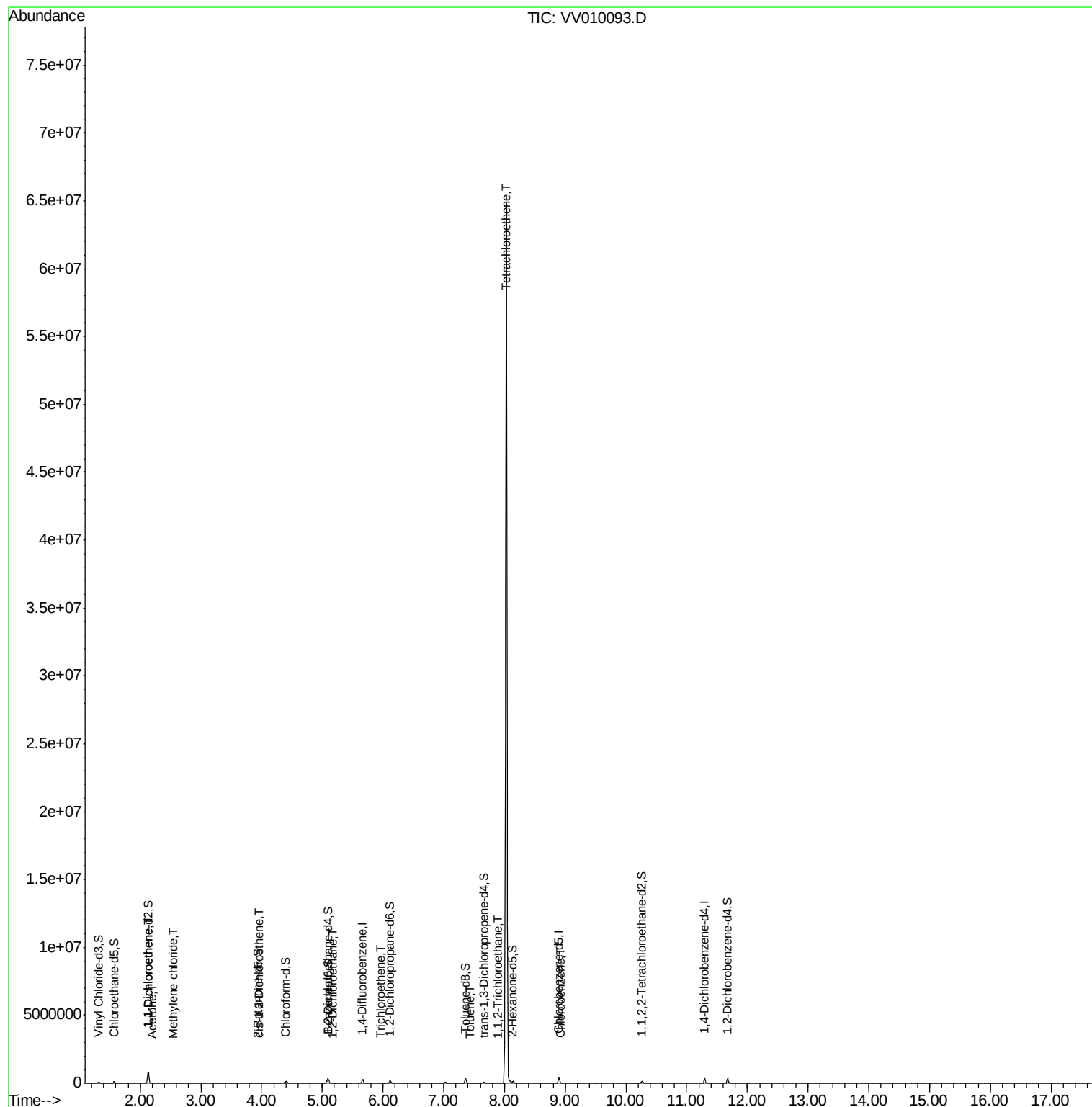
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040319\
Data File : VV010093.D
Acq On : 03 Apr 2019 15:26
Operator : SY/MD
Sample : K2215-07
Misc : 5.65G/10mL/MSVOA V/SOIL
ALS Vial : 8 Sample Multiplier: 1

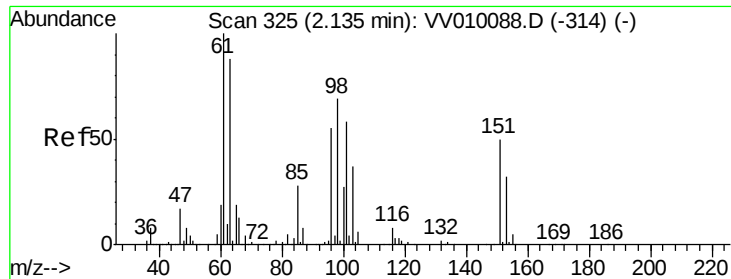
Instrument :
MSVOA_V
ClientSampleId :
BF2M8

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Quant Time: Apr 04 07:57:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
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Response via : Initial Calibration





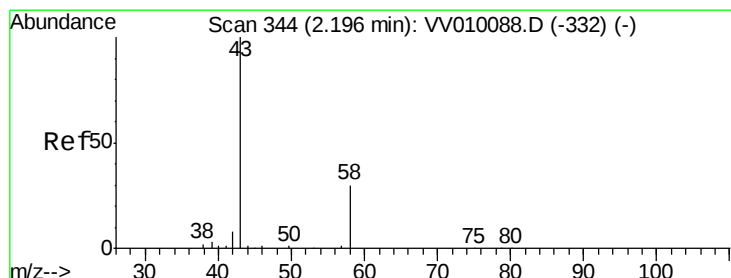
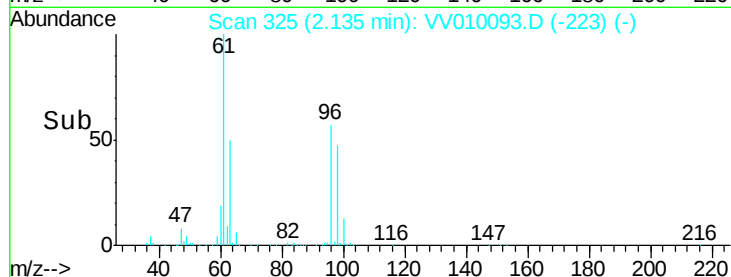
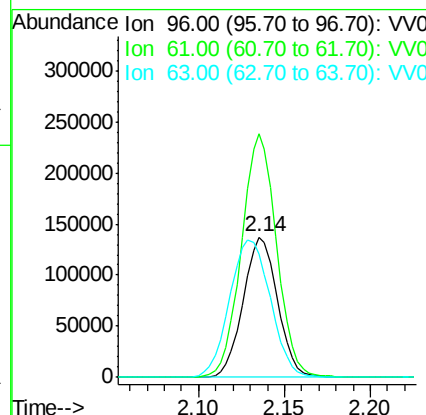
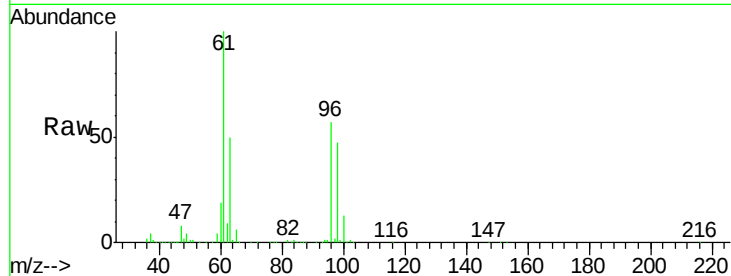
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 1,1-Dichloroethene
 Concen: 62.529 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV010093.D
 Acq: 03 Apr 2019 15:26

Instrument :
 MSVOA_V
 ClientSampled :
 BF2M8

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.9	127.8	237.4
63	87.8	112.6	209.2

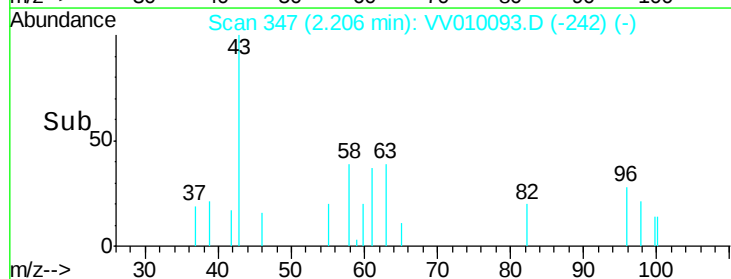
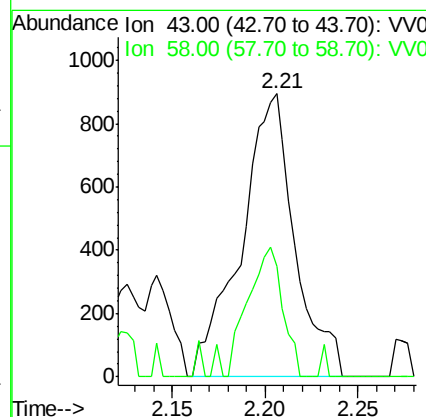
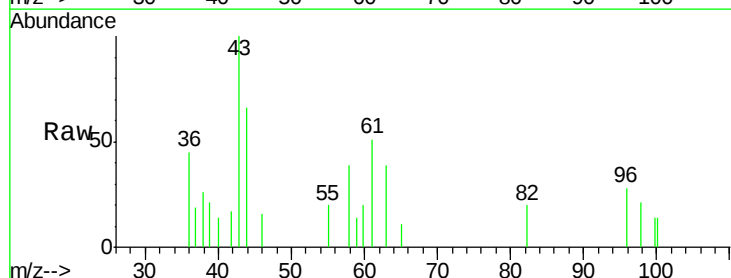
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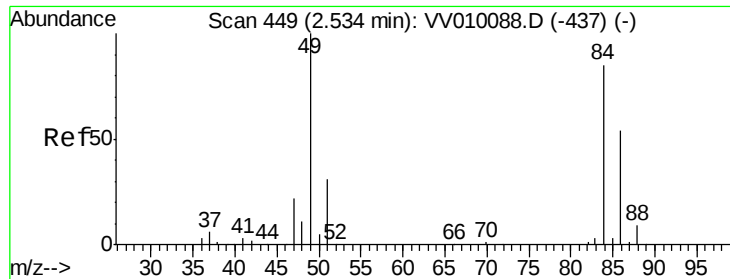
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#13
 Acetone
 Concen: 2.156 ug/L
 RT: 2.21 min Scan# 347
 Delta R.T. 0.01 min
 Lab File: VV010093.D
 Acq: 03 Apr 2019 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.6	0.0	64.6





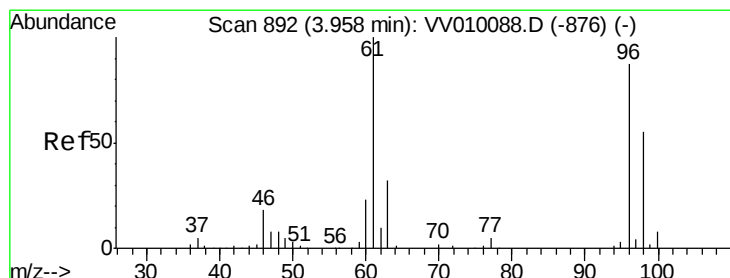
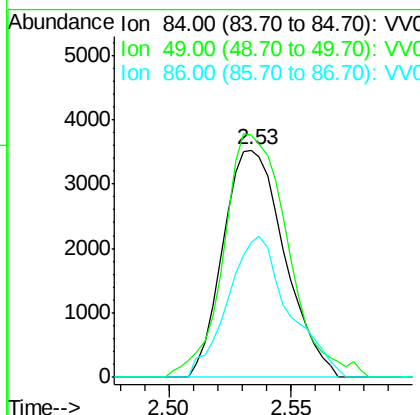
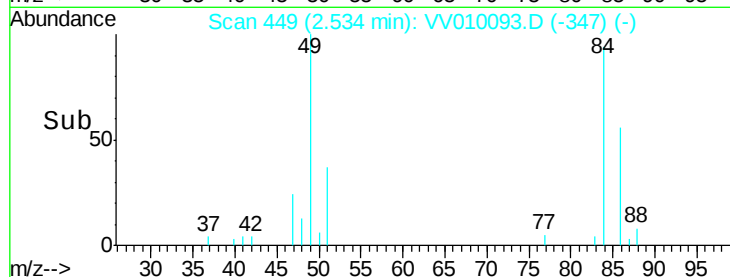
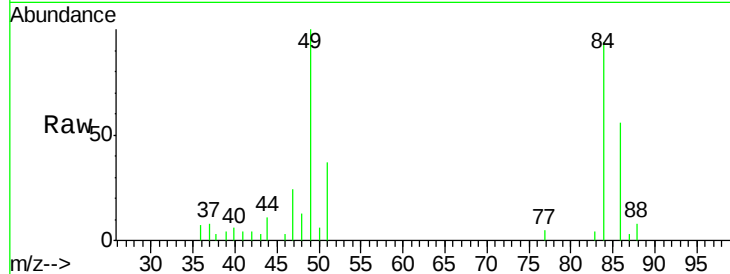
#16
Methylene chloride
Concen: 1.581 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010093.D
Acq: 03 Apr 2019 15:26

Instrument :
MSVOA_V
ClientSampled :
BF2M8

Tot Ion	Ratio	Lower	Upper
84	100		
49	106.4	84.3	156.5
86	59.2	45.4	84.2

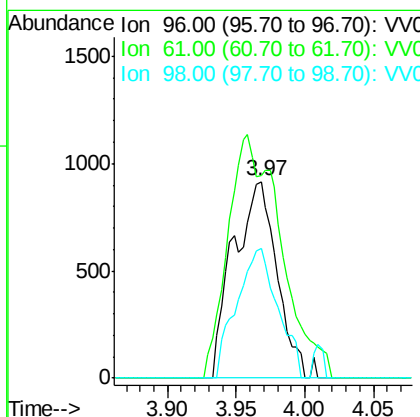
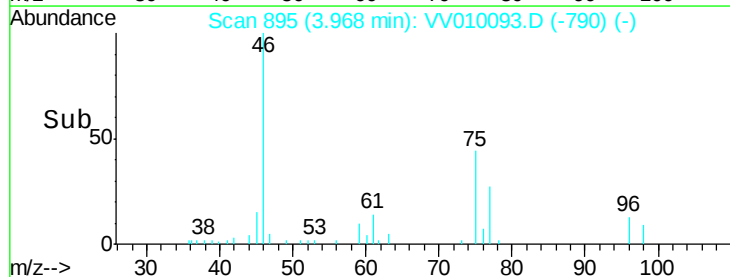
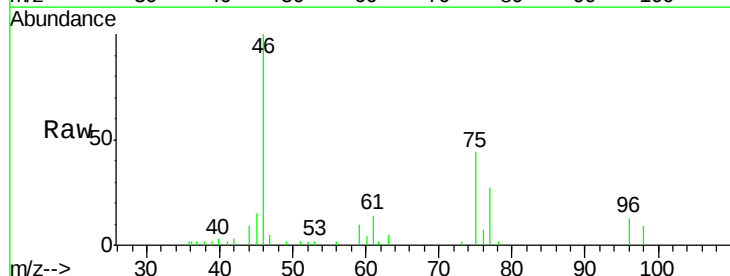
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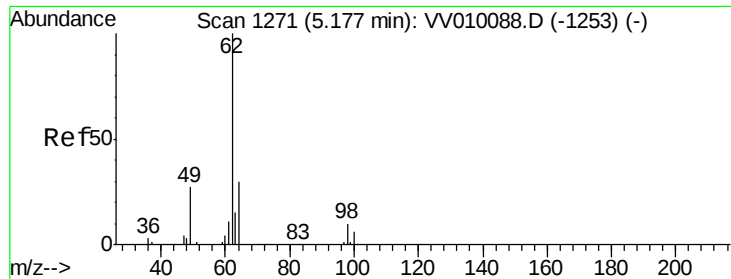
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#22
cis-1,2-Dichloroethene
Concen: 0.688 ug/L m
RT: 3.97 min Scan# 895
Delta R.T. 0.01 min
Lab File: VV010093.D
Acq: 03 Apr 2019 15:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	103.1	82.7	153.5
98	66.1	43.9	81.5





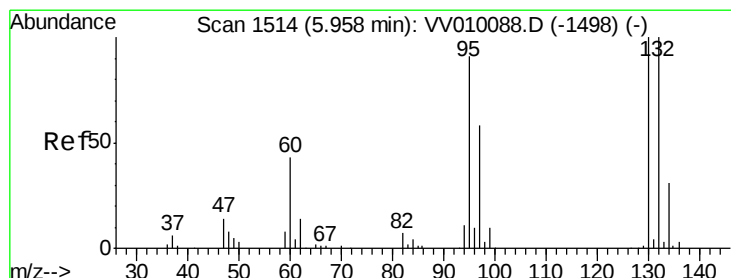
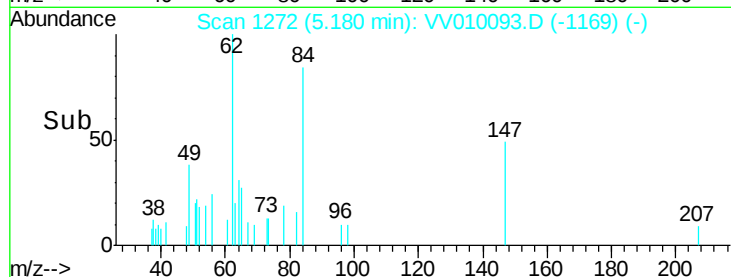
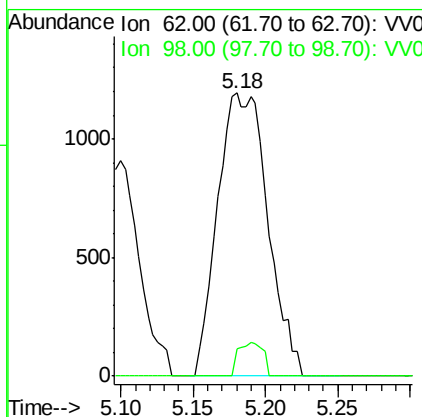
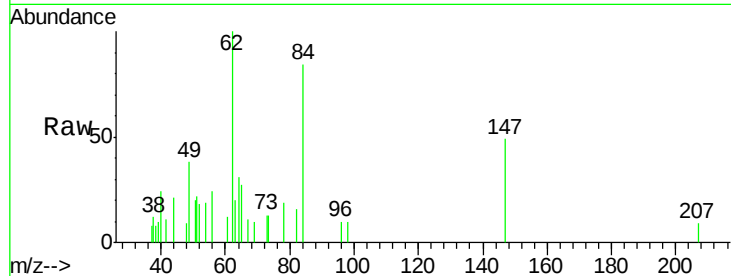
#27
 1,2-Dichloroethane
 Concen: 0.830 ug/L m
 RT: 5.18 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VV010093.D
 Acq: 03 Apr 2019 15:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BF2M8

Tot Ion	Ratio	Resp	Lower	Upper
62	100	2861		
98	9.6	7.2	10.8	

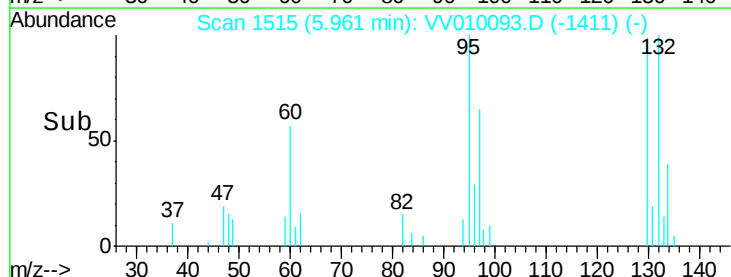
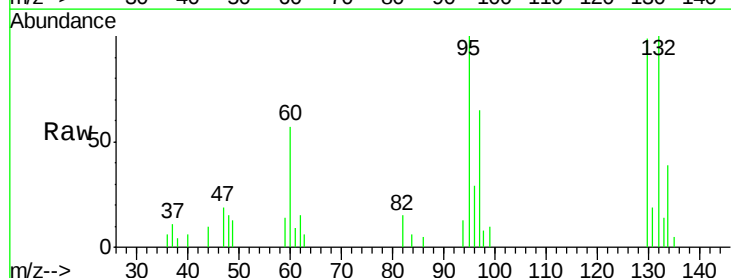
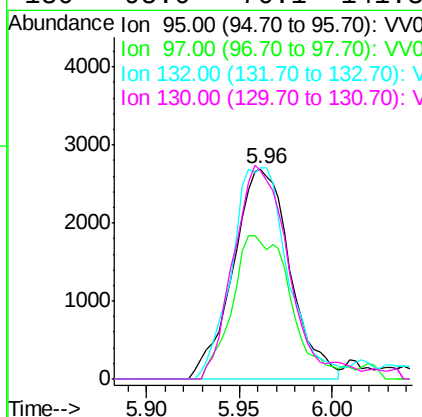
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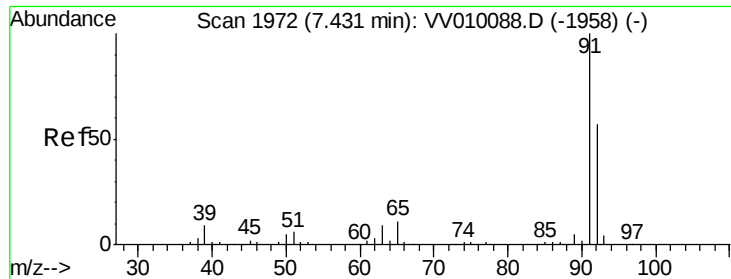
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#35
 Trichloroethene
 Concen: 1.849 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV010093.D
 Acq: 03 Apr 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	5753		
97	41.3	45.8	85.2#	
132	45.2	70.6	131.0#	
130	95.0	76.1	141.3	





#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

Tot Ion: 91 Resp: 8309

Ion Ratio Lower Upper

91 100

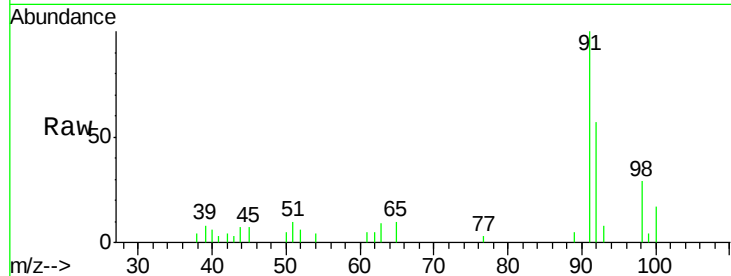
92 57.4 41.0 76.2

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

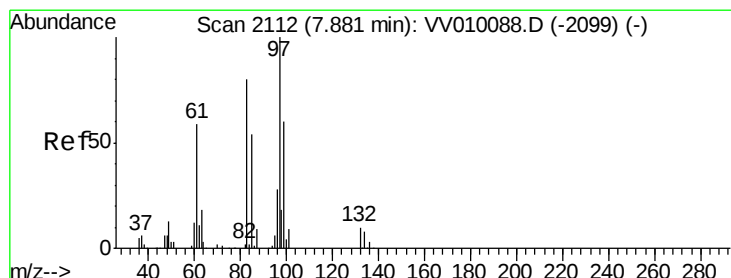
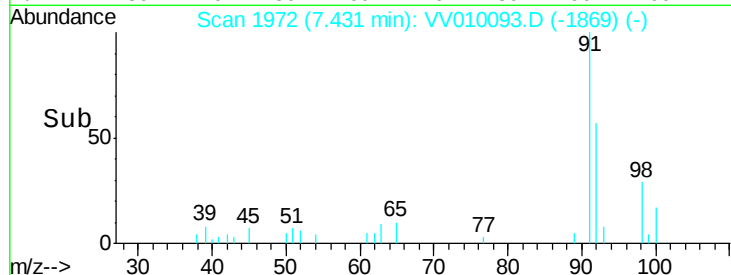
Ion 92.00 (91.70 to 92.70): VV010093.D (-1869) (-)

7.43

7.45

7.50

Time-->



#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): VV010093.D (-2099) (-)

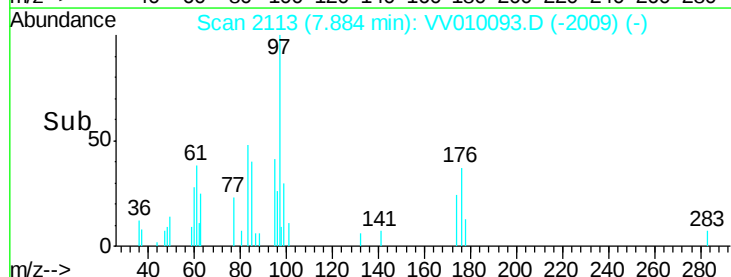
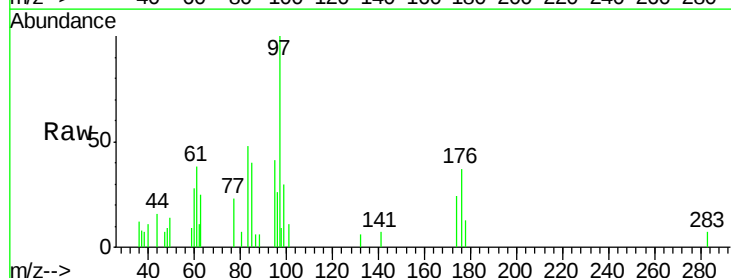
Ion 85.00 (84.70 to 85.70): VV010093.D (-2099) (-)

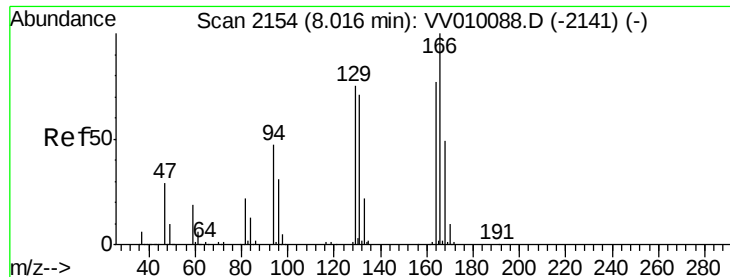
Ion 99.00 (98.70 to 99.70): VV010093.D (-2099) (-)

7.88

7.90

Time-->





#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

Tot Ion:164 Resp:13292782

Ion Ratio Lower Upper

164 100

129 94.6 67.8 125.8

131 92.8 65.2 121.0

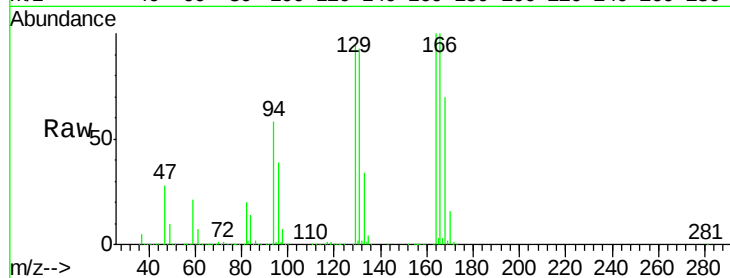
166 100.0 93.8 174.2

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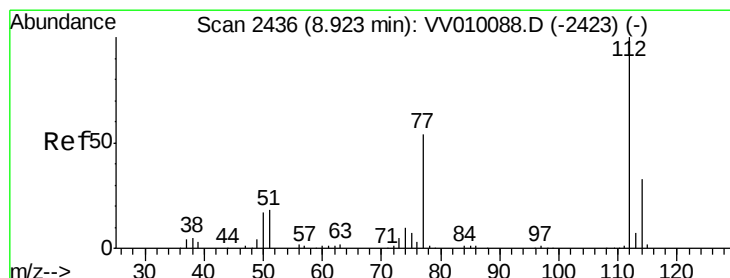
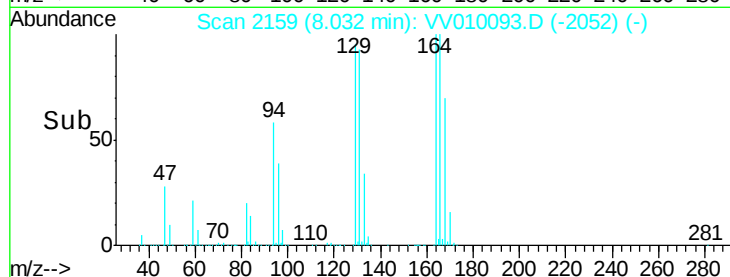
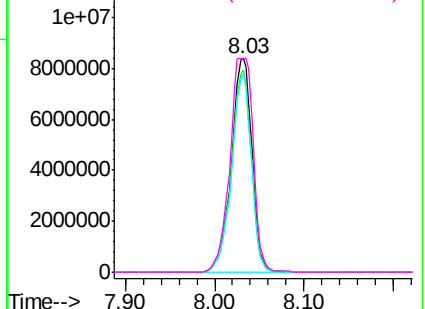


Abundance Ion 164.00 (163.70 to 164.70): V

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

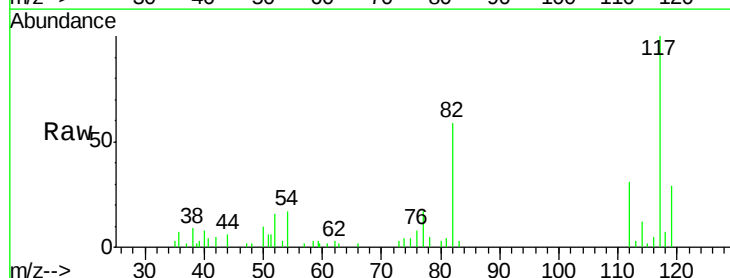
Tgt Ion:112 Resp: 3766

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

