

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010180.D
 Acq On : 08 Apr 2019 17:07
 Operator : SY/MD
 Sample : K2218-11
 Misc : 5.23G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF612

Quant Time: Apr 09 05:35:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 05:31:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	74934	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	79315	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	29935	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5333	5.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	21.28%#
7) Chloroethane-d5	1.57	69	10960	8.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	35.20%
10) 1,1-Dichloroethene-d2	2.13	63	12232	4.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	19.32%#
20) 2-Butanone-d5	3.97	46	2275	7.97	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	15.94%#
24) Chloroform-d	4.41	84	47972	25.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.64%
26) 1,2-Dichloroethane-d4	5.08	65	40085	37.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	151.80%#
29) Benzene-d6	5.10	84	77926	18.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.80%
33) 1,2-Dichloropropane-d6	6.12	67	33902	27.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.72%
37) Toluene-d8	7.36	98	64968	16.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	65.56%
38) trans-1,3-Dichloropropene-	7.67	79	3291	6.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	25.36%#
39) 2-Hexanone-d5	8.14	63	1407	5.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	11.56%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	37308	31.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	124.64%#
61) 1,2-Dichlorobenzene-d4	11.68	152	23506	20.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.64%

Target Compounds

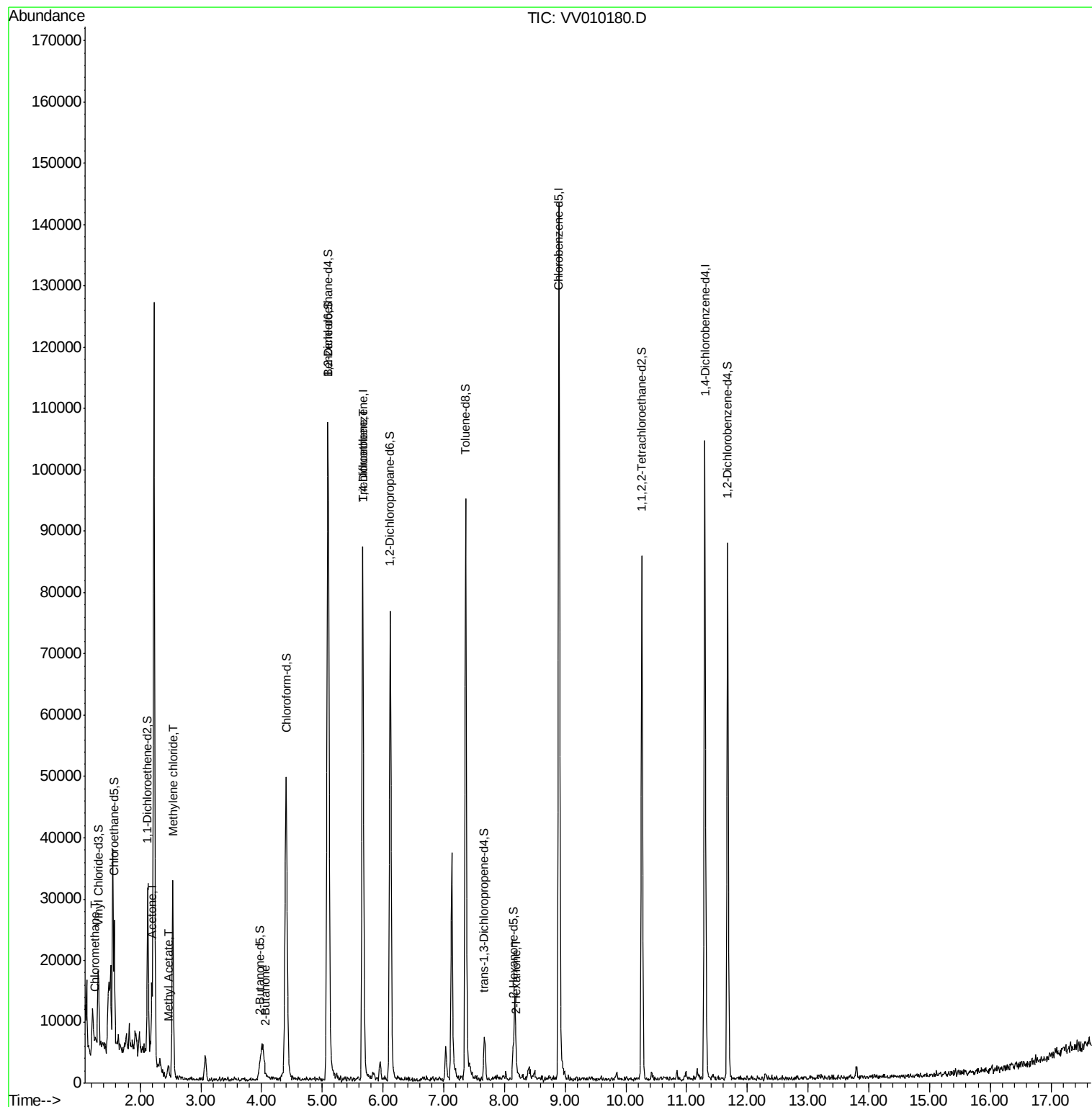
					Ovalue
3) Chloromethane	1.25	50	413	0.428	ug/L 100
13) Acetone	2.19	43	10566	37.437	ug/L 92
15) Methyl Acetate	2.47	43	1207	2.673	ug/L # 80
16) Methylene chloride	2.53	84	13631	10.354	ug/L 89
21) 2-Butanone	4.07	43	318	1.029	ug/L # 64
35) Trichloroethene	5.66	95	1961	1.757	ug/L # 4
49) 2-Hexanone	8.21	43	748	1.444	ug/L # 60

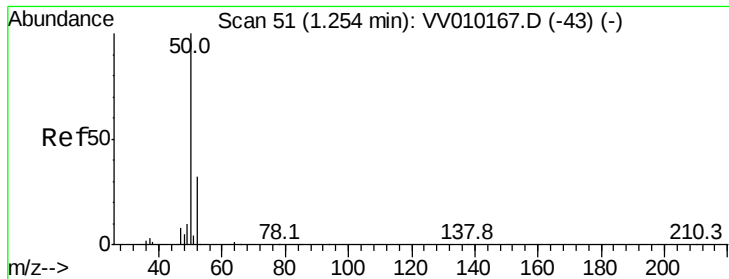
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.428 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV010180.D

Acq: 08 Apr 2019 17:07

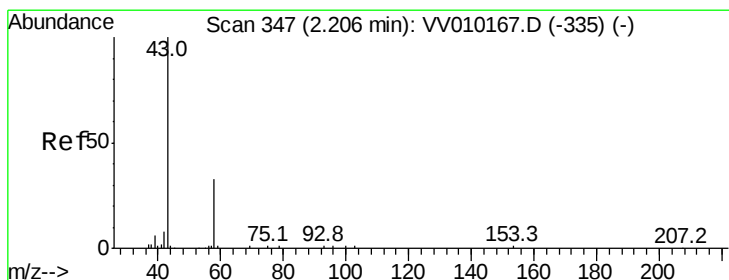
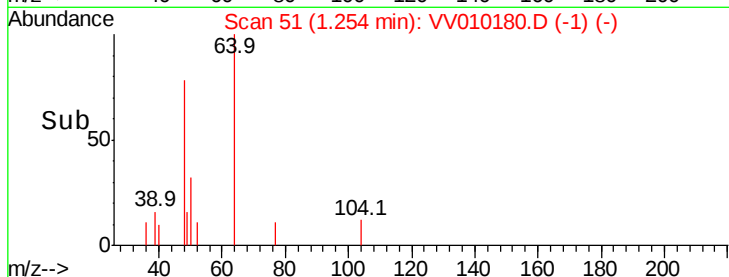
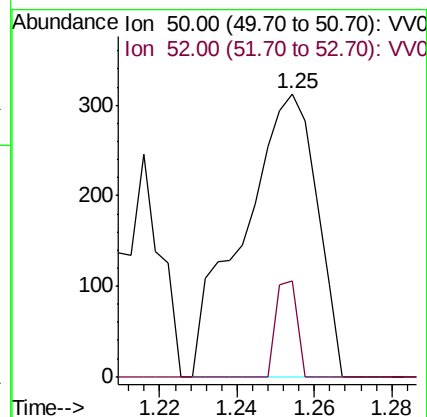
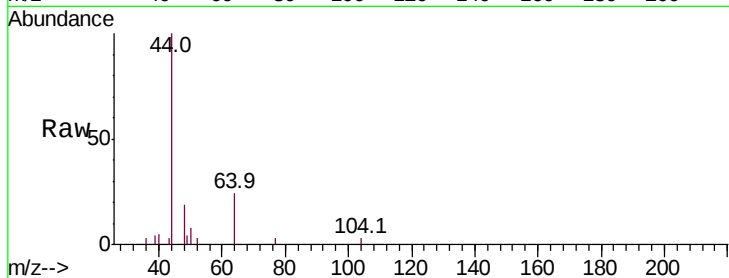
Instrument :
MSVOA_V
ClientSampled :
BF612

Tot Ion: 50 Resp: 413

Ion Ratio Lower Upper

50 100

52 33.5 23.4 43.4



#13

Acetone

Concen: 37.437 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV010180.D

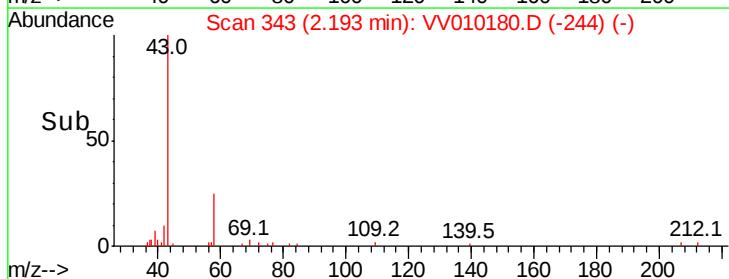
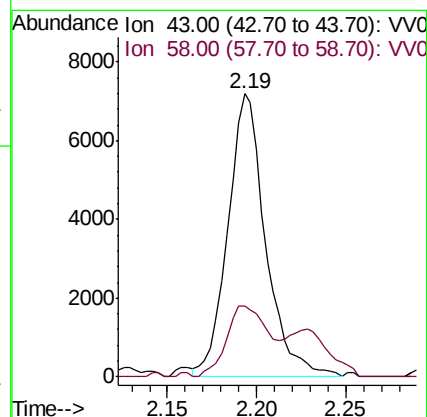
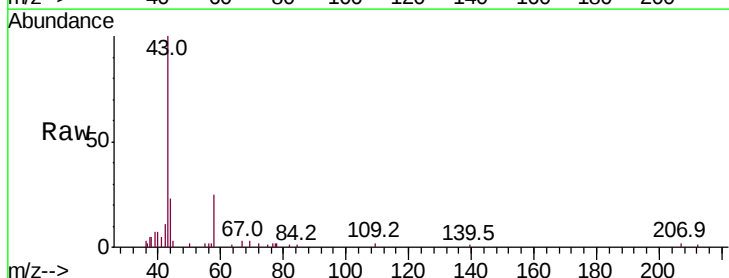
Acq: 08 Apr 2019 17:07

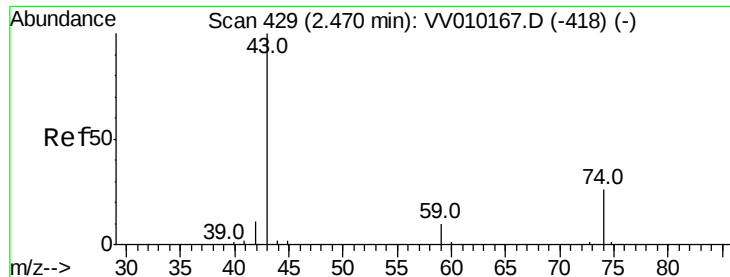
Tgt Ion: 43 Resp: 10566

Ion Ratio Lower Upper

43 100

58 27.7 0.0 64.6





#15

Methvl Acetate

Concen: 2.673 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV010180.D

Acq: 08 Apr 2019 17:07

Instrument :

MSVOA_V

ClientSampled :

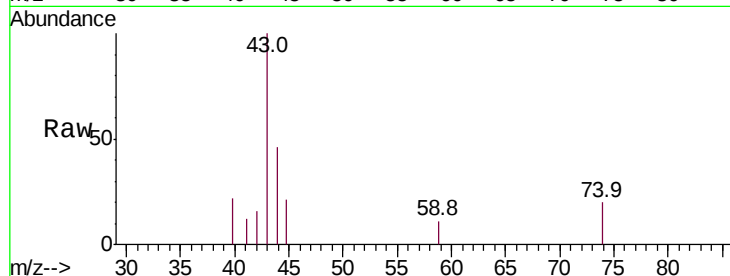
BF612

Tot Ion: 43 Resp: 1207

Ion Ratio Lower Upper

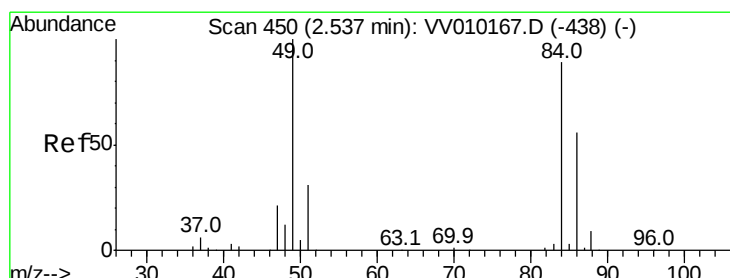
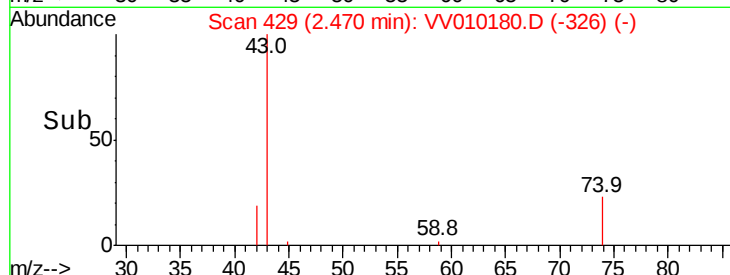
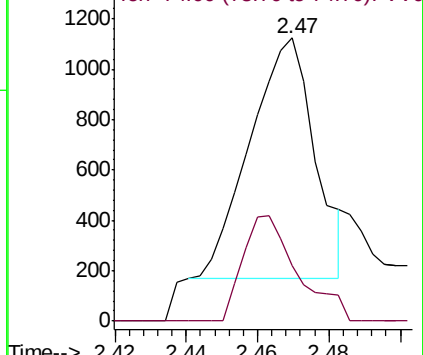
43 100

74 35.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 10.354 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010180.D

Acq: 08 Apr 2019 17:07

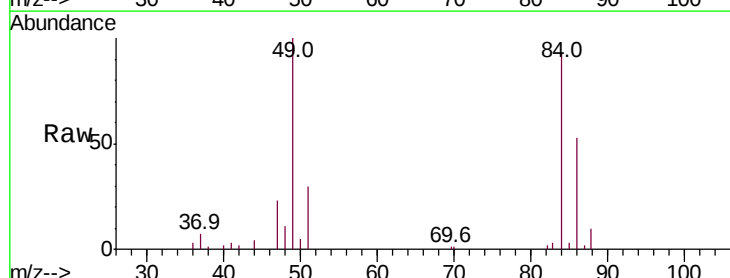
Tgt Ion: 84 Resp: 13631

Ion Ratio Lower Upper

84 100

49 107.2 84.3 156.5

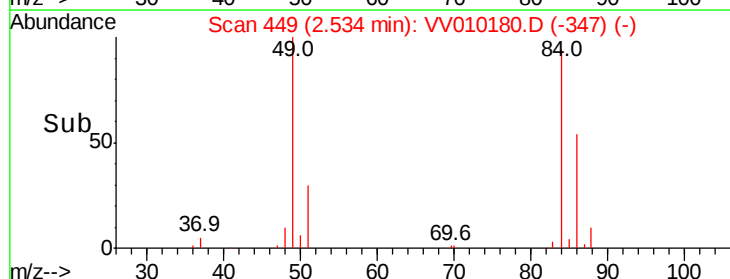
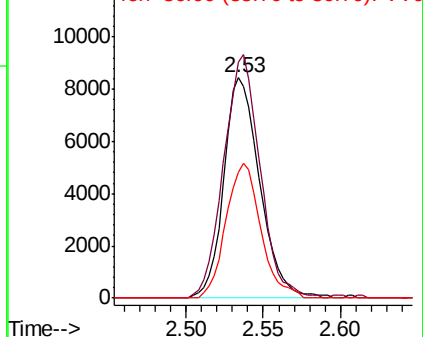
86 57.1 45.4 84.2

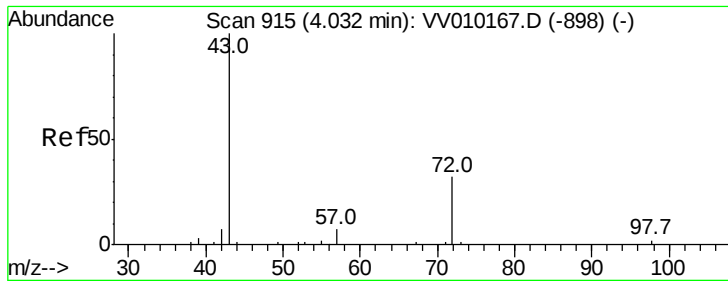


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0





#21

2-Butanone

Concen: 1.029 ug/L

RT: 4.07 min Scan# 926

Delta R.T. 0.04 min

Lab File: VV010180.D

Acq: 08 Apr 2019 17:07

Instrument :

MSVOA_V

ClientSampled :

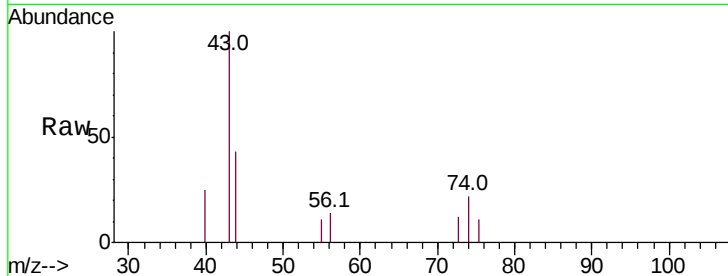
BF612

Tot Ion: 43 Resp: 318

Ion Ratio Lower Upper

43 100

72 7.5 12.8 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VV010167.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV010167.D (-898) (-)

1500

1000

500

4.07

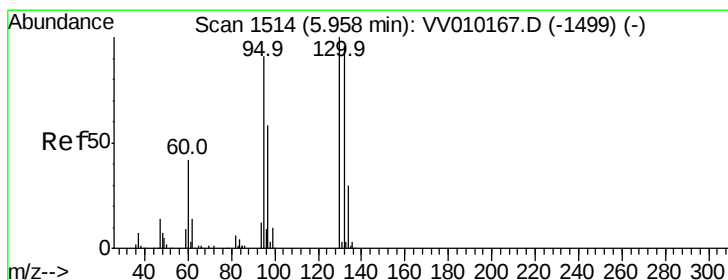
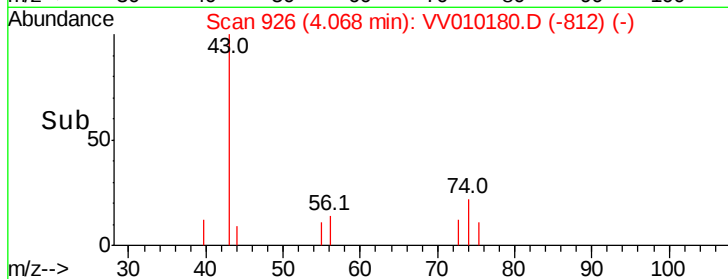
4.05

4.06

4.08

4.09

Time-->



#35

Trichloroethene

Concen: 1.757 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV010180.D

Acq: 08 Apr 2019 17:07

Tgt Ion: 95 Resp: 1961

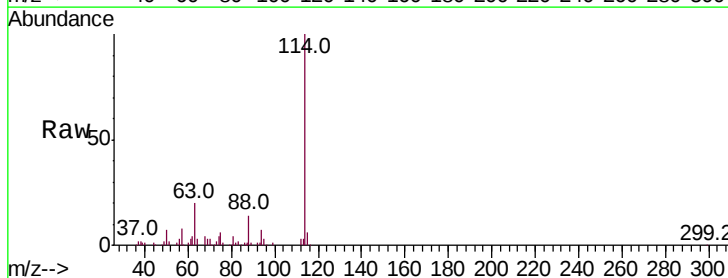
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.2#

132 0.0 70.6 131.0#

130 2.9 76.1 141.3#



Abundance Ion 95.00 (94.70 to 95.70): VV010167.D (-1499) (-)

Ion 97.00 (96.70 to 97.70): VV010167.D (-1499) (-)

Ion 132.00 (131.70 to 132.70): VV010167.D (-1499) (-)

Ion 130.00 (129.70 to 130.70): VV010167.D (-1499) (-)

1500

1000

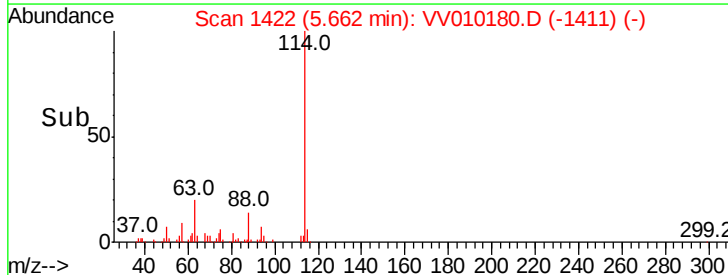
500

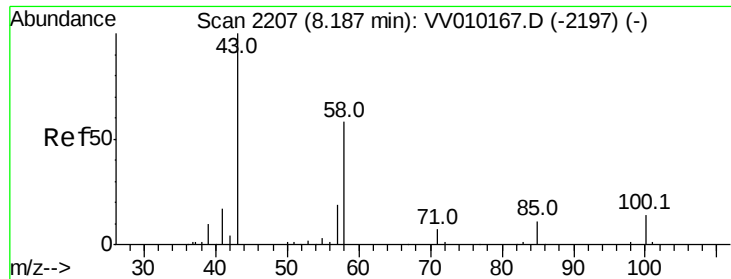
5.66

5.65

5.70

Time-->





#49

2-Hexanone

Concen: 1.444 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.02 min

Lab File: VV010180.D

Acq: 08 Apr 2019 17:07

Instrument :
MSVOA_V
ClientSampleId :
BF612

Tot Ion: 43 Resp: 748

Ion Ratio Lower Upper

43 100

58 20.2 44.3 66.5#

57 24.5 13.8 20.8#

100 0.0 10.6 15.8#

