

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010179.D
 Acq On : 08 Apr 2019 16:41
 Operator : SY/MD
 Sample : K2218-10
 Misc : 4.99G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF600

Quant Time: Apr 09 05:35:25 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	26403	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	33244	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	13081	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1479	4.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	16.72%#
7) Chloroethane-d5	1.58	69	3153	7.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	28.72%#
10) 1,1-Dichloroethene-d2	2.13	63	4140	4.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	18.56%#
20) 2-Butanone-d5	3.94	46	19288	191.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	383.52%#
24) Chloroform-d	4.41	84	18678	28.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.32%
26) 1,2-Dichloroethane-d4	5.08	65	22601	60.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	242.92%#
29) Benzene-d6	5.10	84	28396	16.47	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	65.88%
33) 1,2-Dichloropropane-d6	6.12	67	16609	32.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	130.56%#
37) Toluene-d8	7.36	98	21477	12.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	51.72%
38) trans-1,3-Dichloropropene-	7.67	79	5445	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.16%
39) 2-Hexanone-d5	8.14	63	10504	102.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	205.88%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	32136	64.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	256.16%#
61) 1,2-Dichlorobenzene-d4	11.68	152	14137	27.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.96%

Target Compounds

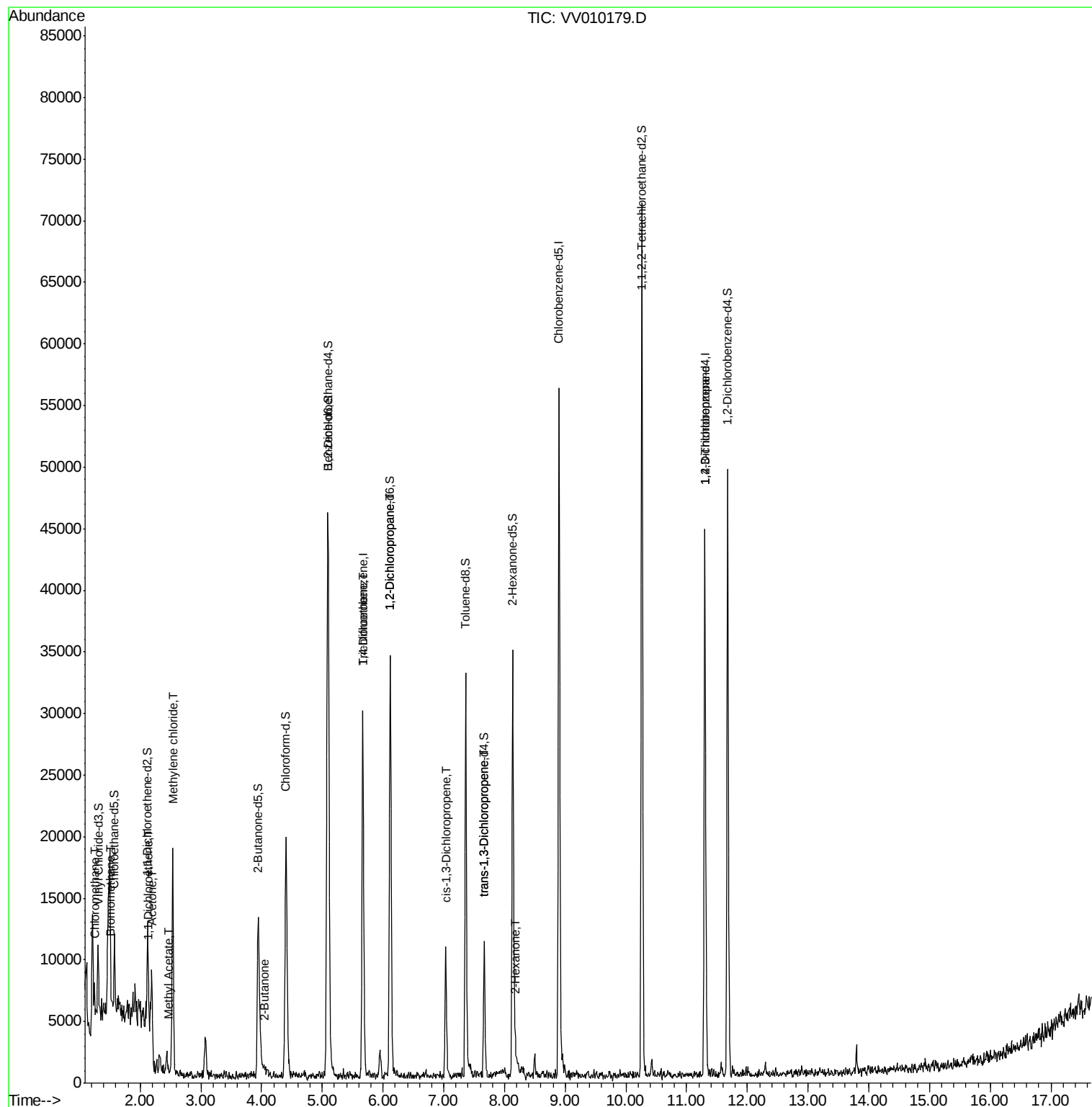
					Ovalue
3) Chloromethane	1.25	50	376	1.105	ug/L 93
6) Bromomethane	1.53	94	219	0.522	ug/L 46
12) 1,1-Dichloroethene	2.15	96	153	0.424	ug/L # 23
13) Acetone	2.19	43	4167	41.903	ug/L 99
15) Methyl Acetate	2.47	43	263	1.653	ug/L # 50
16) Methylene chloride	2.54	84	7430	16.017	ug/L 97
21) 2-Butanone	4.05	43	284	2.608	ug/L # 49
35) Trichloroethene	5.67	95	857	1.831	ug/L # 3
40) 1,2-Dichloropropane	6.12	63	2111	5.139	ug/L # 86
42) cis-1,3-Dichloropropene	7.04	75	218	0.367	ug/L # 43
45) trans-1,3-Dichloropropene	7.67	75	240	0.475	ug/L # 41
49) 2-Hexanone	8.19	43	410	1.889	ug/L # 38
59) 1,2,3-Trichloropropane	11.30	75	2016	6.010	ug/L # 86

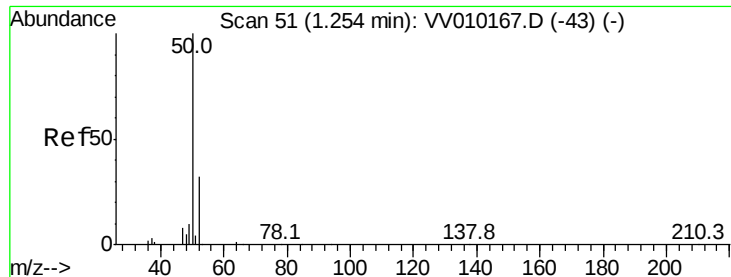
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.105 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.01 min

Lab File: VV010179.D

Acq: 08 Apr 2019 16:41

Instrument :

MSVOA_V

ClientSampleId :

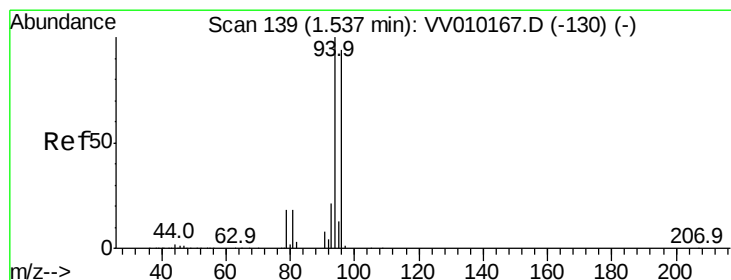
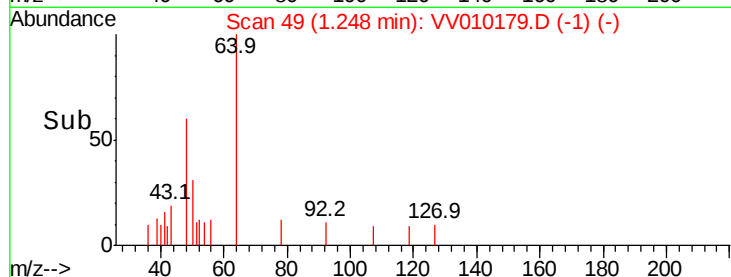
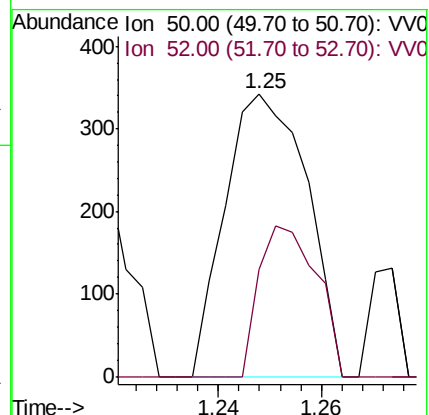
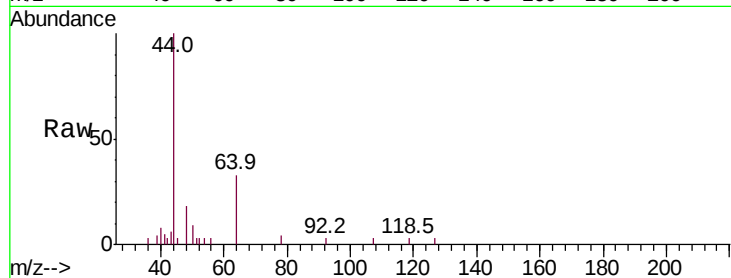
BF600

Tot Ion: 50 Resp: 376

Ion Ratio Lower Upper

50 100

52 37.6 23.4 43.4



#6

Bromomethane

Concen: 0.522 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV010179.D

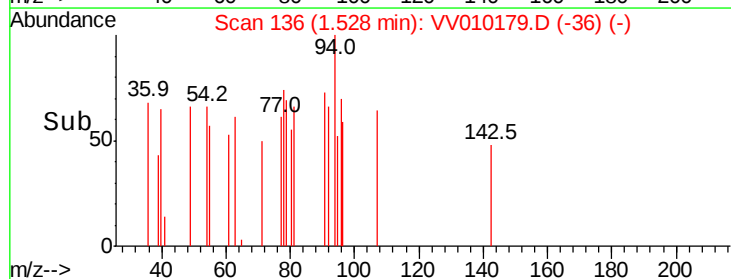
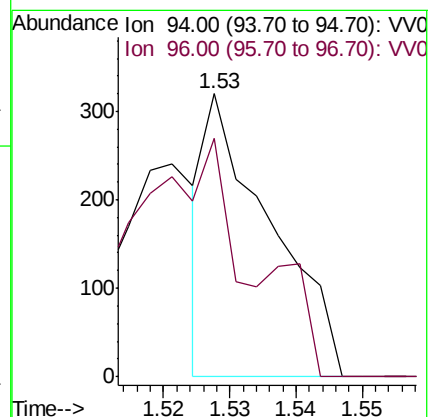
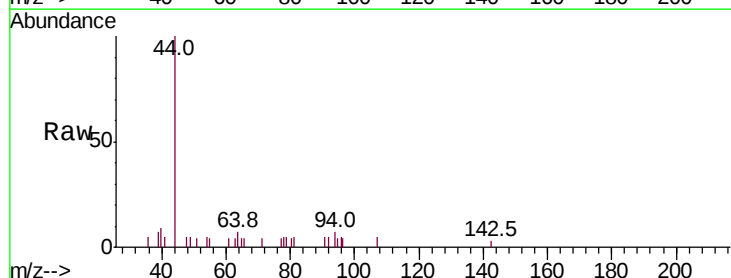
Acq: 08 Apr 2019 16:41

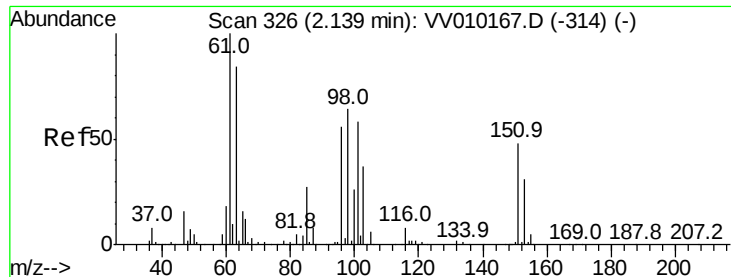
Tgt Ion: 94 Resp: 219

Ion Ratio Lower Upper

94 100

96 42.0 9.4 177.8





#12

1,1-Dichloroethene

Concen: 0.424 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.01 min

Lab File: VV010179.D

Acq: 08 Apr 2019 16:41

Instrument :

MSVOA_V

ClientSampled :

BF600

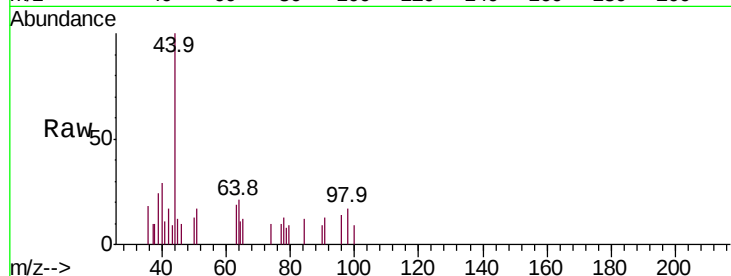
Tot Ion: 96 Resp: 153

Ion Ratio Lower Upper

96 100

61 0.0 127.8 237.4#

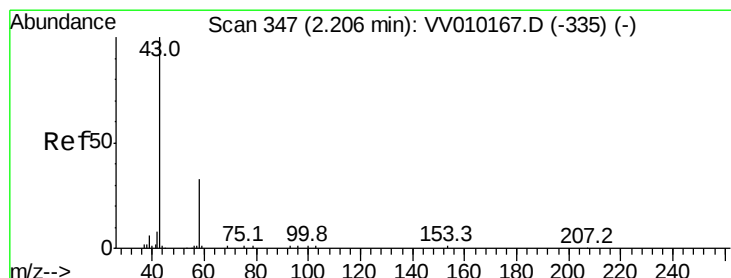
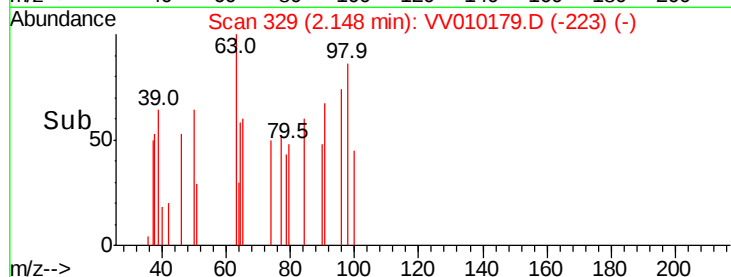
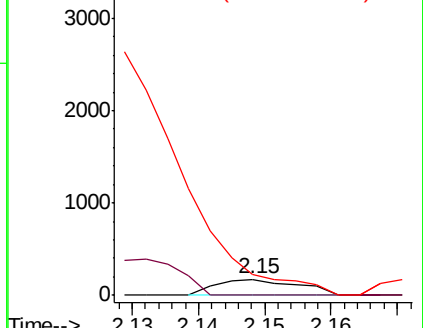
63 134.7 112.6 209.2



Abundance Ion 96.00 (95.70 to 96.70): VV010167.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV010167.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV010167.D (-314) (-)



#13

Acetone

Concen: 41.903 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV010179.D

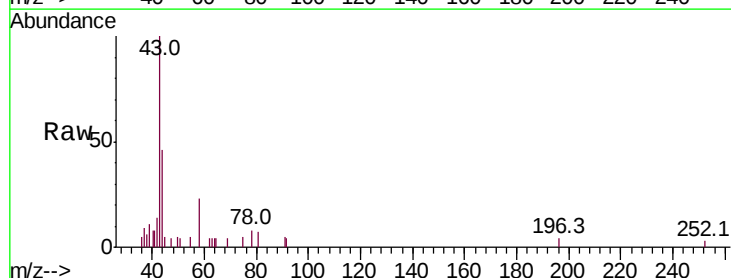
Acq: 08 Apr 2019 16:41

Tgt Ion: 43 Resp: 4167

Ion Ratio Lower Upper

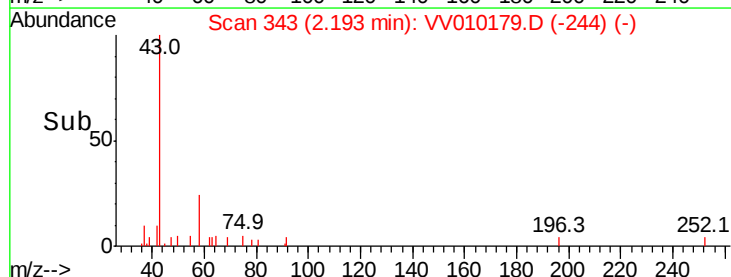
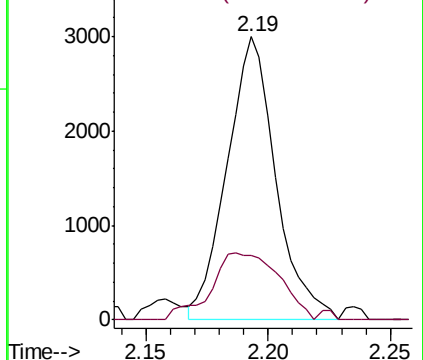
43 100

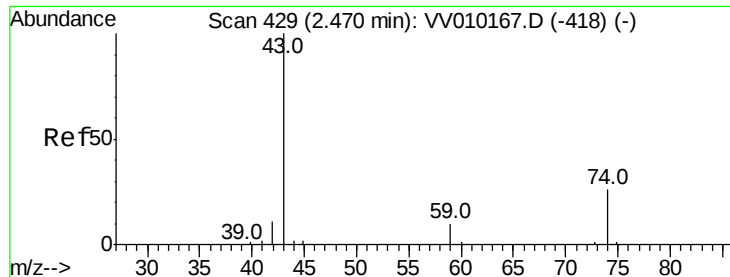
58 33.0 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010167.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV010167.D (-335) (-)





#15

Methvl Acetate

Concen: 1.653 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV010179.D

Acq: 08 Apr 2019 16:41

Instrument :

MSVOA_V

ClientSampleId :

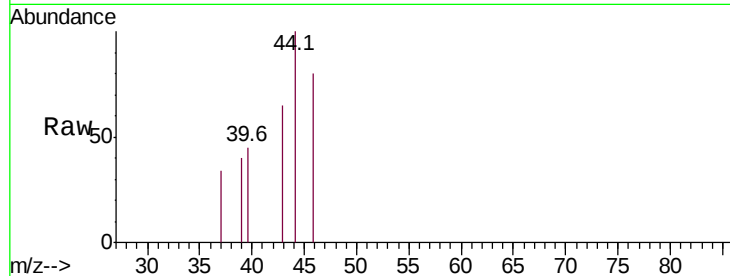
BF600

Tot Ion: 43 Resp: 263

Ion Ratio Lower Upper

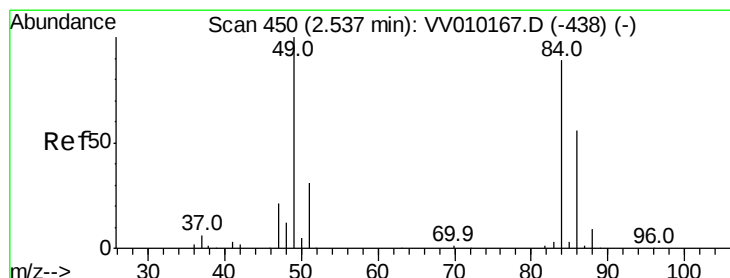
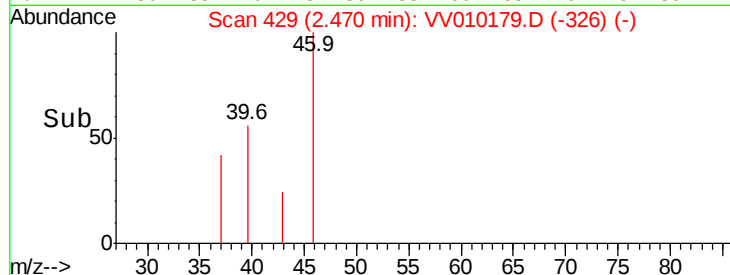
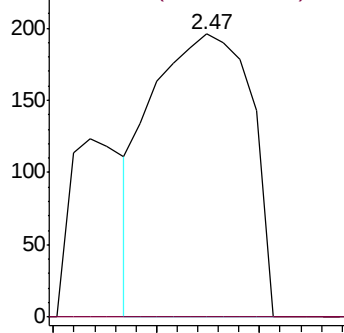
43 100

74 0.0 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: 16.017 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV010179.D

Acq: 08 Apr 2019 16:41

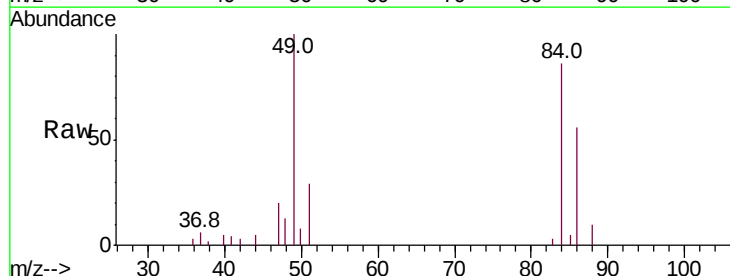
Tgt Ion: 84 Resp: 7430

Ion Ratio Lower Upper

84 100

49 115.7 84.3 156.5

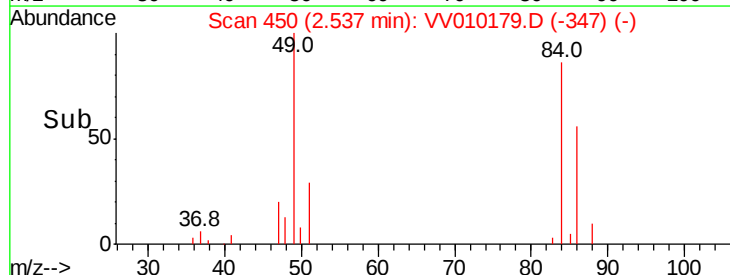
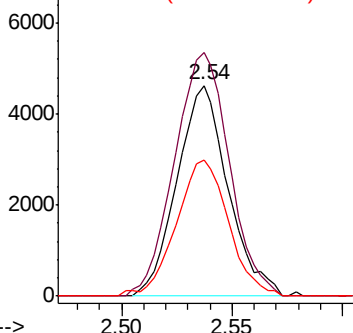
86 64.8 45.4 84.2

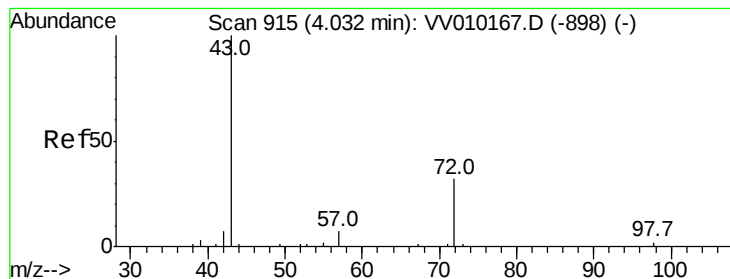


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0





#21

2-Butanone

Concen: 2.608 ug/L

RT: 4.05 min Scan# 921

Delta R.T. 0.02 min

Lab File: VV010179.D

Acq: 08 Apr 2019 16:41

Instrument :

MSVOA_V

ClientSampleId :

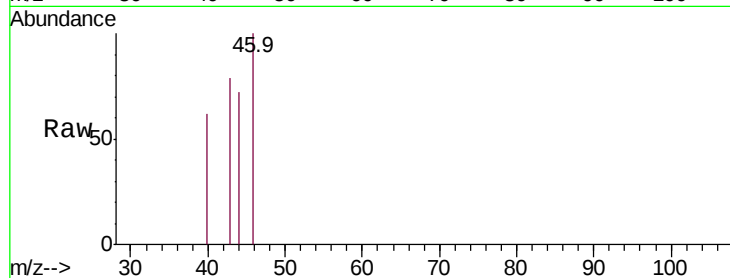
BF600

Tot Ion: 43 Resp: 284

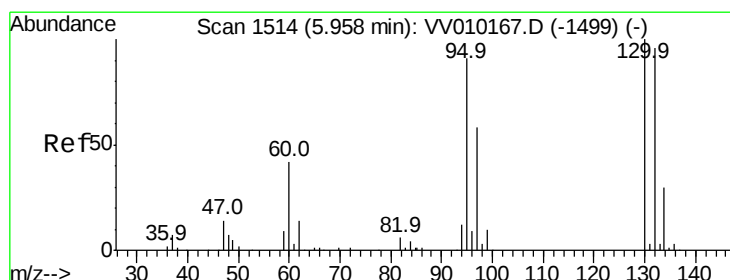
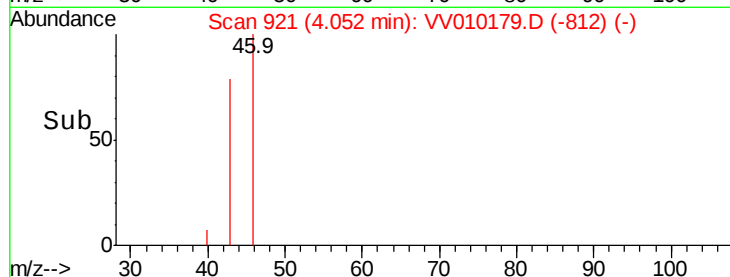
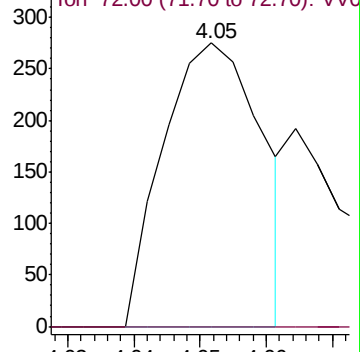
Ion Ratio Lower Upper

43 100

72 0.0 12.8 38.4#



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



#35

Trichloroethene

Concen: 1.831 ug/L

RT: 5.67 min Scan# 1423

Delta R.T. -0.29 min

Lab File: VV010179.D

Acq: 08 Apr 2019 16:41

Tgt Ion: 95 Resp: 857

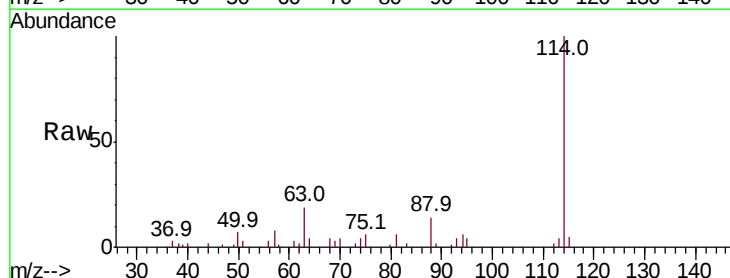
Ion Ratio Lower Upper

95 100

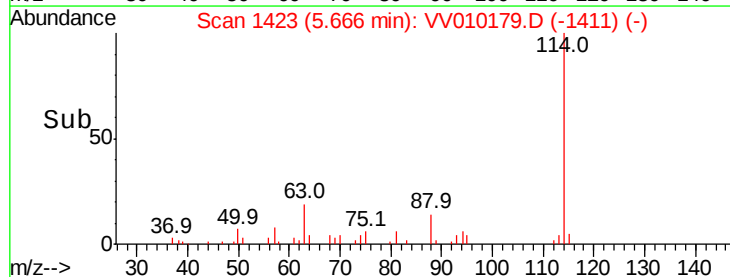
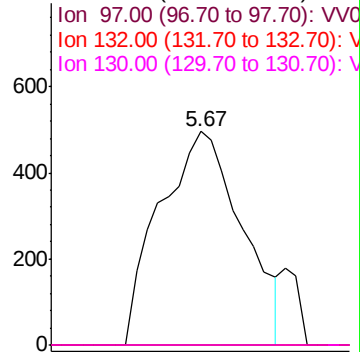
97 0.0 45.8 85.2#

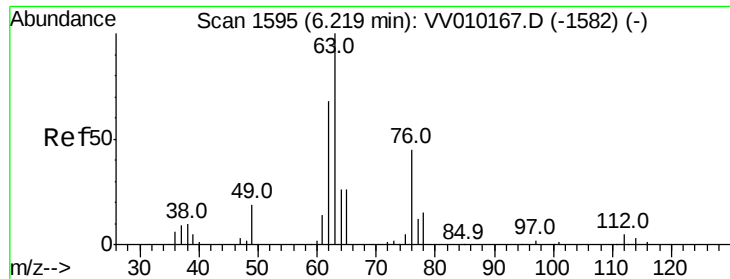
132 0.0 70.6 131.0#

130 0.0 76.1 141.3#



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





#40

1,2-Dichloropropane

Concen: 5.139 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV010179.D

Acq: 08 Apr 2019 16:41

Instrument :

MSVOA_V

ClientSampled :

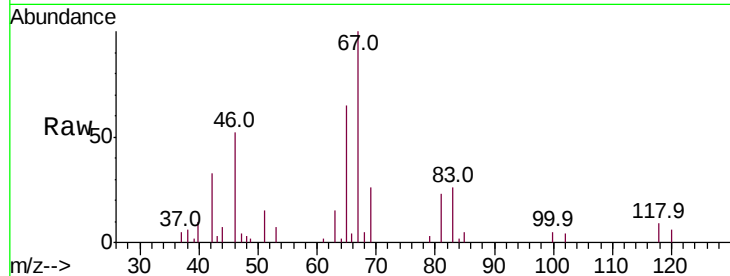
BF600

Tot Ion: 63 Resp: 2111

Ion Ratio Lower Upper

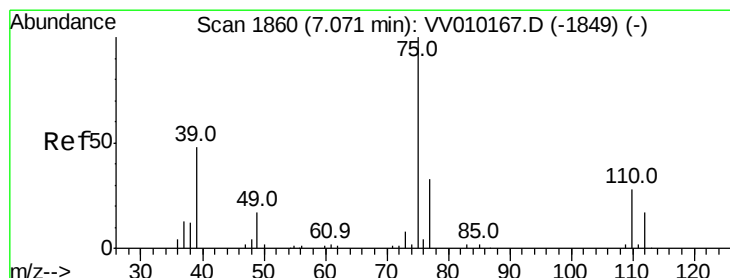
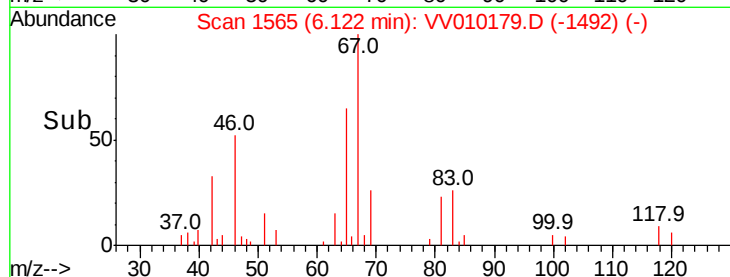
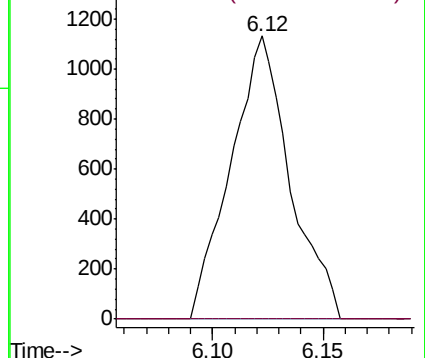
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.367 ug/L

RT: 7.04 min Scan# 1850

Delta R.T. -0.03 min

Lab File: VV010179.D

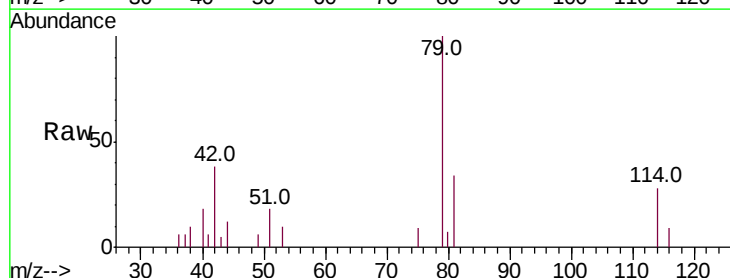
Acq: 08 Apr 2019 16:41

Tgt Ion: 75 Resp: 218

Ion Ratio Lower Upper

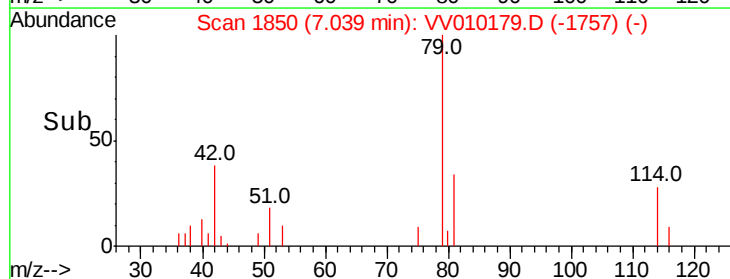
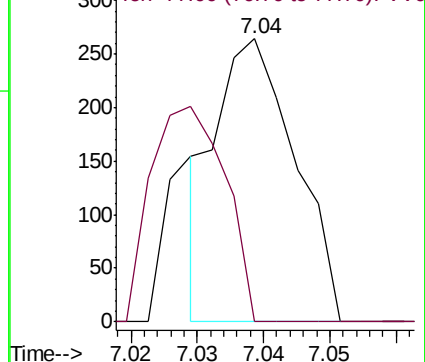
75 100

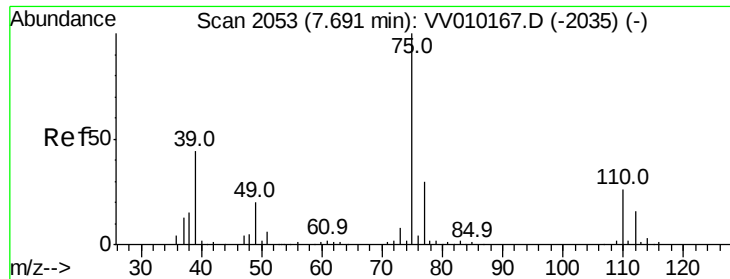
77 0.0 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

trans-1,3-Dichloropropene

Concen: 0.475 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV010179.D

Acq: 08 Apr 2019 16:41

Instrument :

MSVOA_V

ClientSampled :

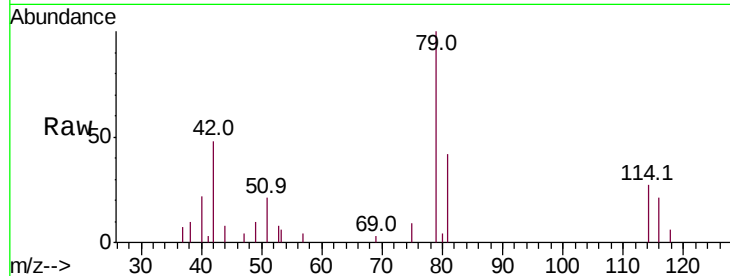
BF600

Tot Ion: 75 Resp: 240

Ion Ratio Lower Upper

75 100

77 0.0 23.5 43.7#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

250

200

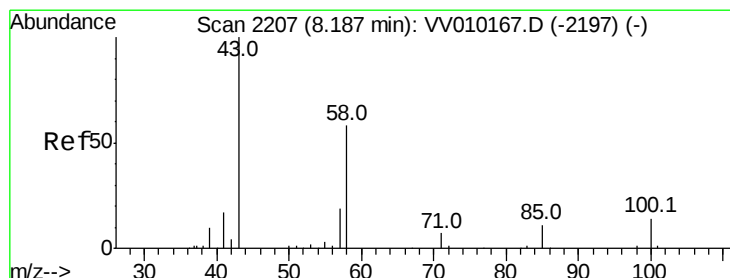
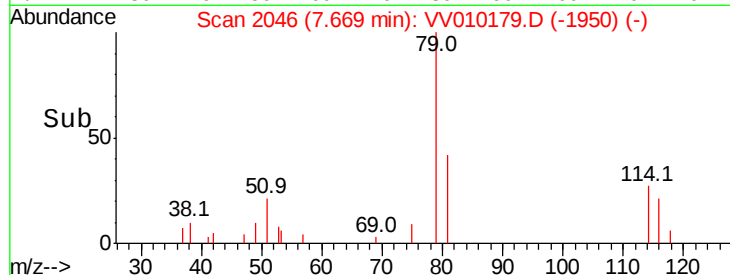
150

100

50

0

Time-->



#49

2-Hexanone

Concen: 1.889 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV010179.D

Acq: 08 Apr 2019 16:41

Tgt Ion: 43 Resp: 410

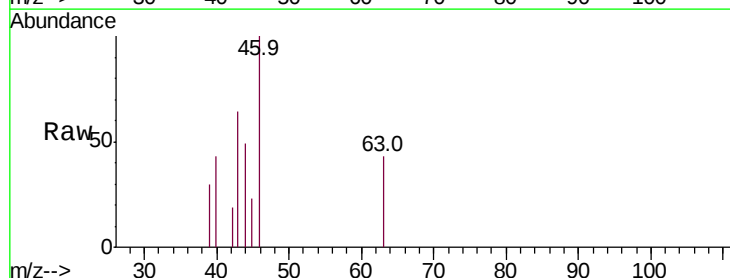
Ion Ratio Lower Upper

43 100

58 0.0 44.3 66.5#

57 0.0 13.8 20.8#

100 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

8.19

400

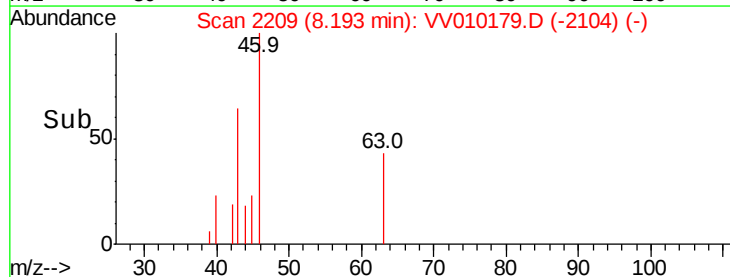
300

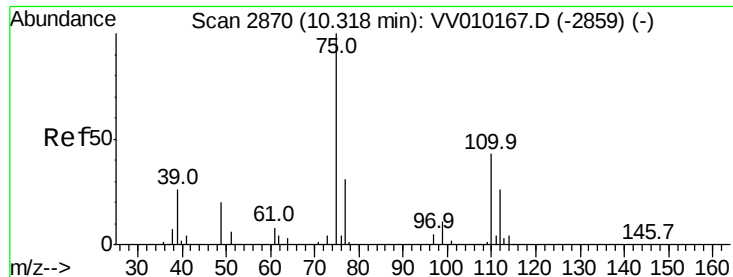
200

100

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 6.010 ug/L

RT: 11.30 min Scan# 3176

Delta R.T. 0.98 min

Lab File: VV010179.D

Acq: 08 Apr 2019 16:41

Instrument :

MSVOA_V

ClientSampleId :

BF600

Tot Ion: 75 Resp: 2016

Ion Ratio Lower Upper

75 100

77 40.1 25.8 38.8#

