

Data File : VV009578.D
Acq On : 10 Mar 2019 20:12
Operator : SY/MD
Sample : K1818-05
Misc : 4.70G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF2L0

Quant Time: Mar 11 04:53:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 04:48:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	117181	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	119561	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	54684	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27137	19.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.96%
7) Chloroethane-d5	1.57	69	33690	16.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.08%
10) 1,1-Dichloroethene-d2	2.13	63	61140	16.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.64%
20) 2-Butanone-d5	3.95	46	21985	45.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.48%
24) Chloroform-d	4.40	84	73906	26.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.88%
26) 1,2-Dichloroethane-d4	5.08	65	44967	28.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.28%
29) Benzene-d6	5.10	84	143085	24.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.64%
33) 1,2-Dichloropropane-d6	6.12	67	46527	26.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.52%
37) Toluene-d8	7.36	98	135811	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.12%
38) trans-1,3-Dichloropropene-	7.67	79	18325	21.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.56%
39) 2-Hexanone-d5	8.14	63	19226	47.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.28%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	44039	23.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.60%
61) 1,2-Dichlorobenzene-d4	11.68	152	52525	26.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.24%

Target Compounds

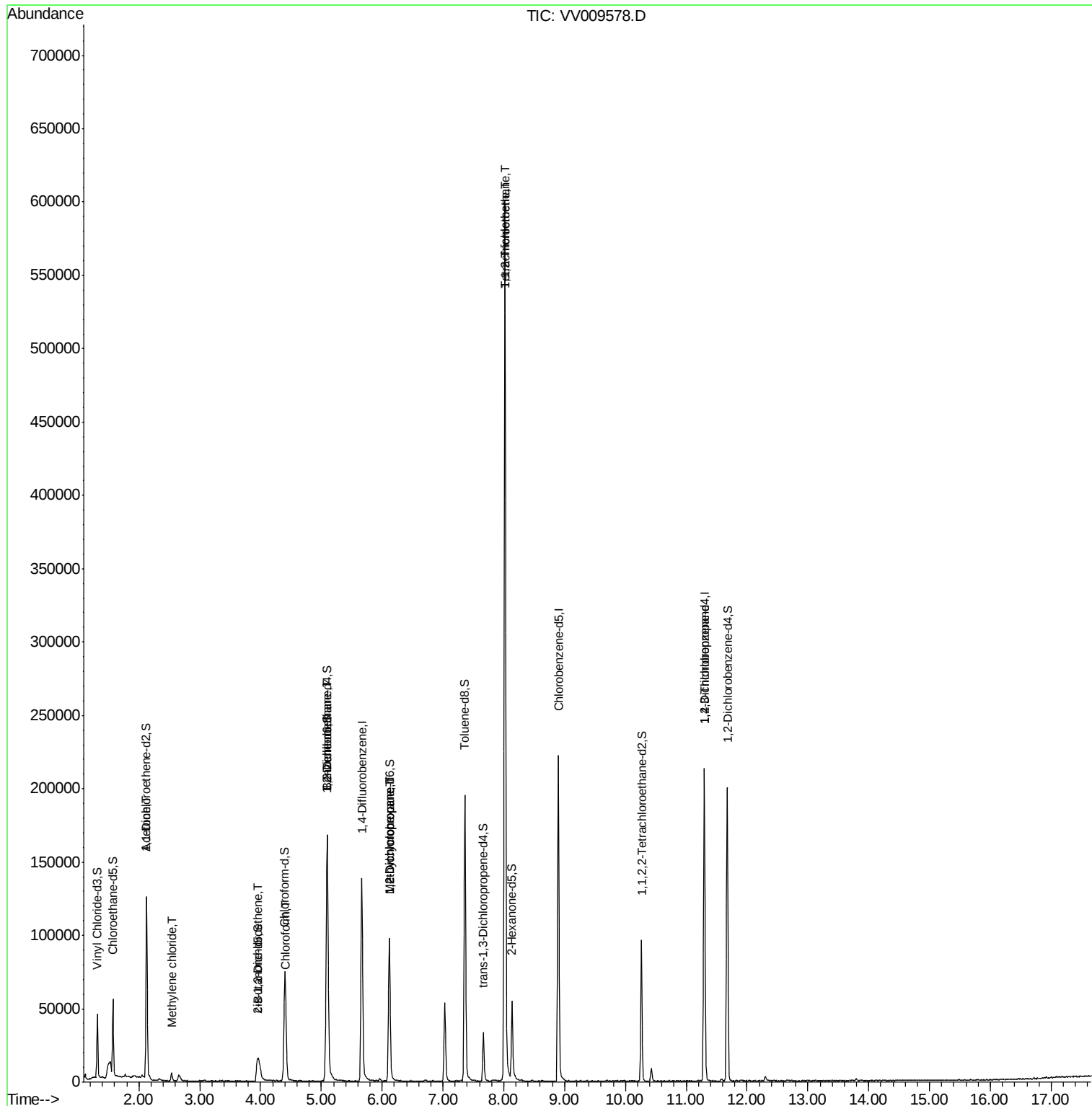
					Qvalue
13) Acetone	2.14	43	348	0.712 ug/L	78
16) Methylene chloride	2.53	84	2076	1.350 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	622	0.394 ug/L	93
25) Chloroform	4.43	83	1862	0.677 ug/L #	18
27) 1,2-Dichloroethane	5.10	62	807	0.422 ug/L #	77
36) Methylcyclohexane	6.12	83	11063	3.825 ug/L #	20
40) 1,2-Dichloropropane	6.12	63	5646	3.544 ug/L #	89
46) 1,1,2-Trichloroethane	8.02	97	1205	0.911 ug/L #	11
47) Tetrachloroethene	8.02	164	122784	91.178 ug/L	95
59) 1,2,3-Trichloropropane	11.30	75	7637	5.669 ug/L	89

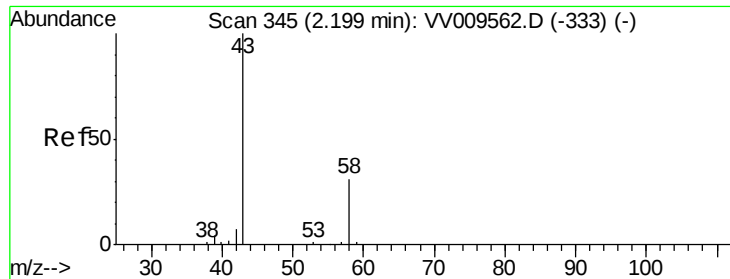
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 0.712 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.06 min

Lab File: VV009578.D

Acq: 10 Mar 2019 20:12

Instrument :

MSVOA_V

ClientSampled :

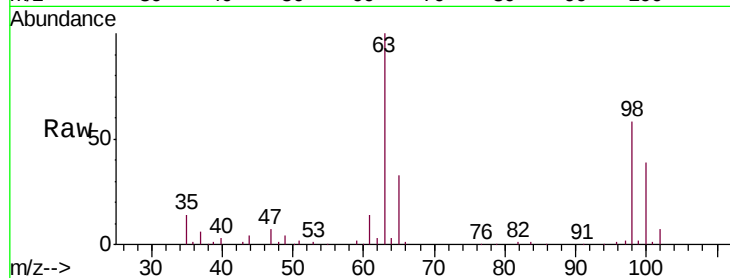
BF2L0

Tgt Ion: 43 Resp: 348

Ion Ratio Lower Upper

43 100

58 21.8 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009562.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV009562.D (-333) (-)

2.14

2.12

2.10

2.08

2.06

2.04

2.02

2.00

1.98

1.96

1.94

1.92

1.90

1.88

1.86

1.84

1.82

1.80

1.78

1.76

1.74

1.72

1.70

1.68

1.66

1.64

1.62

1.60

1.58

1.56

1.54

1.52

1.50

1.48

1.46

1.44

1.42

1.40

1.38

1.36

1.34

1.32

1.30

1.28

1.26

1.24

1.22

1.20

1.18

1.16

1.14

1.12

1.10

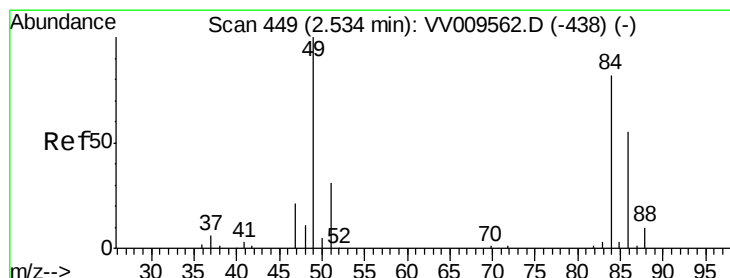
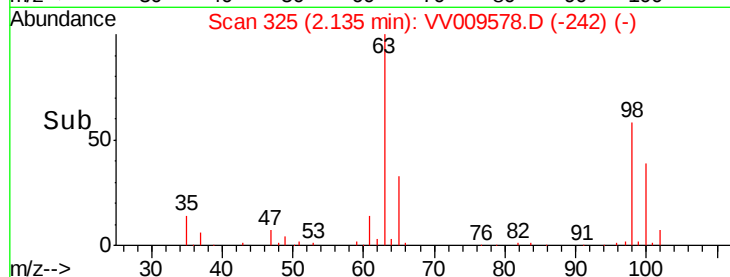
1.08

1.06

1.04

1.02

1.00



#16

Methylene chloride

Concen: 1.350 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009578.D

Acq: 10 Mar 2019 20:12

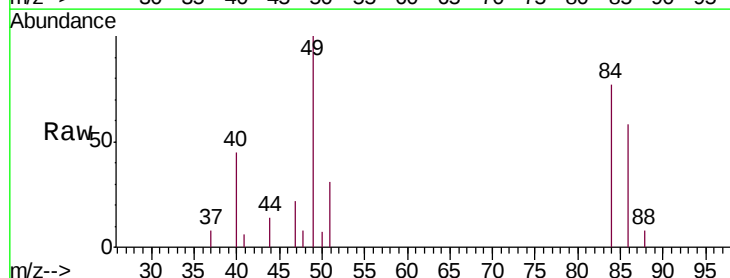
Tgt Ion: 84 Resp: 2076

Ion Ratio Lower Upper

84 100

49 129.5 84.6 157.0

86 74.9 46.1 85.7



Abundance Ion 84.00 (83.70 to 84.70): VV009562.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV009562.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV009562.D (-438) (-)

2.53

2.52

2.51

2.50

2.49

2.48

2.47

2.46

2.45

2.44

2.43

2.42

2.41

2.40

2.39

2.38

2.37

2.36

2.35

2.34

2.33

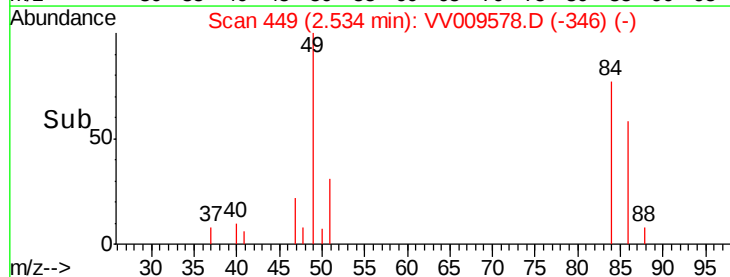
2.32

2.31

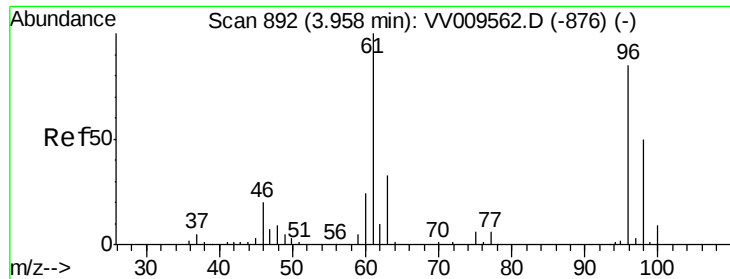
2.30

2.29

2.28



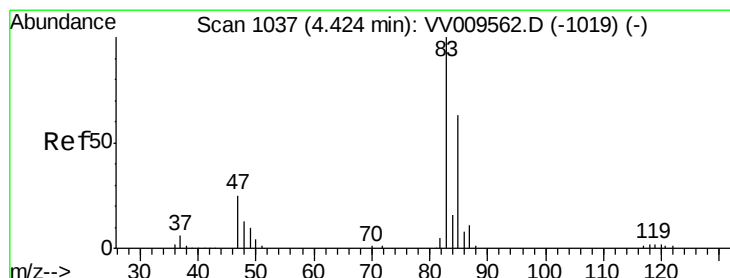
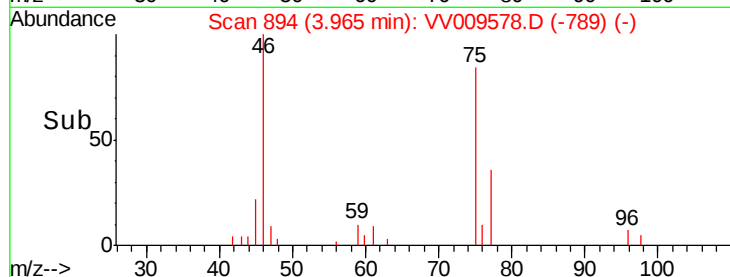
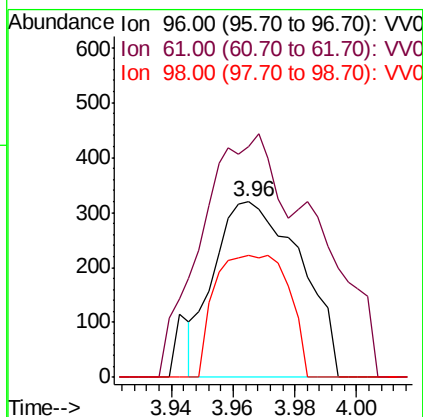
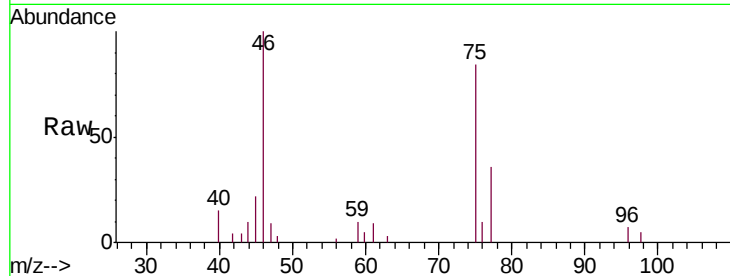
Time-->



#22
 cis-1,2-Dichloroethene
 Concen: 0.394 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV009578.D
 Acq: 10 Mar 2019 20:12

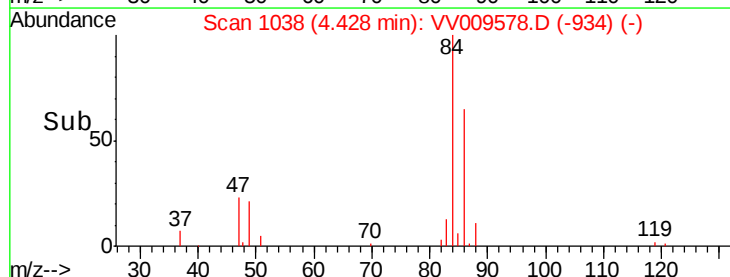
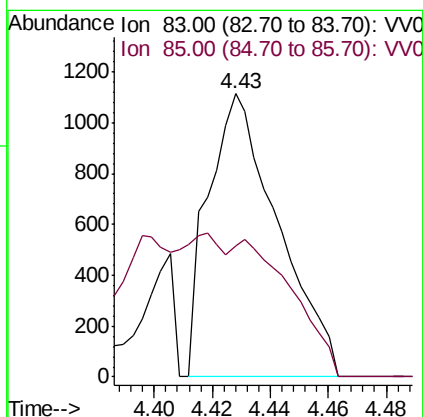
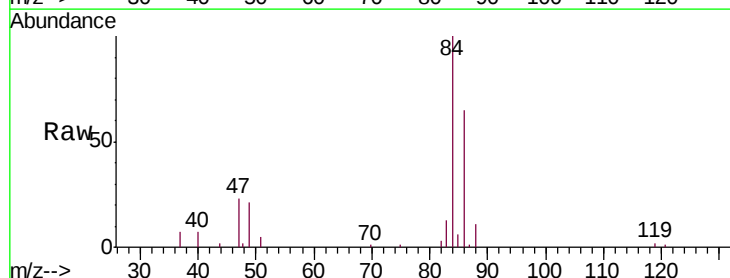
Instrument :
 MSVOA_V
 ClientSampleId :
 BF2L0

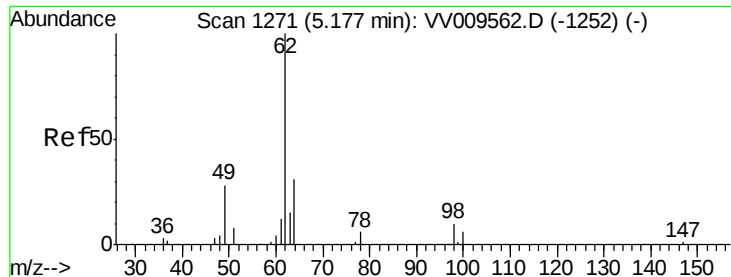
Tgt Ion: 96 Resp: 622
 Ion Ratio Lower Upper
 96 100
 61 132.0 87.2 161.9
 98 69.6 44.6 82.8



#25
 Chloroform
 Concen: 0.677 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV009578.D
 Acq: 10 Mar 2019 20:12

Tgt Ion: 83 Resp: 1862
 Ion Ratio Lower Upper
 83 100
 85 0.0 45.4 84.2#





#27

1,2-Dichloroethane

Concen: 0.422 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.08 min

Lab File: VV009578.D

Acq: 10 Mar 2019 20:12

Instrument :

MSVOA_V

ClientSampleId :

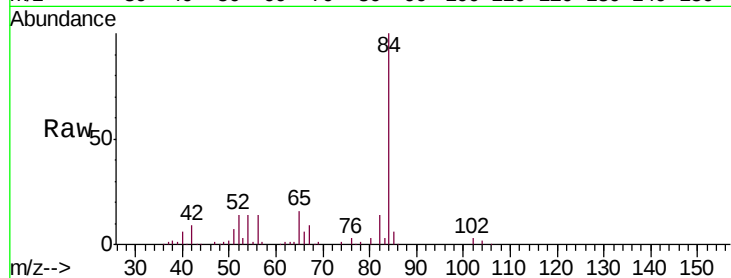
BF2L0

Tgt Ion: 62 Resp: 807

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV009562.D (-1252) (-)

Ion 98.00 (97.70 to 98.70): VV009562.D (-1252) (-)

5.10

400

300

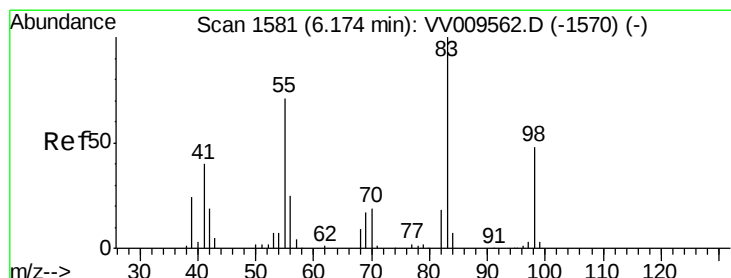
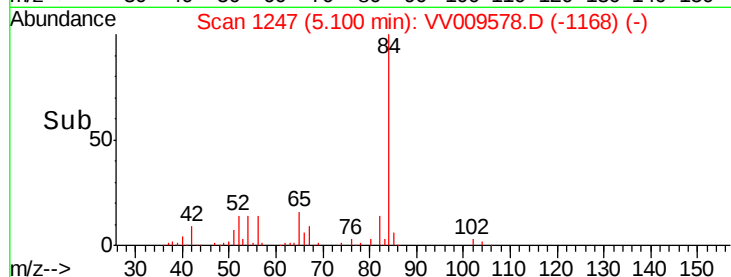
200

100

0

5.06 5.08 5.10 5.12 5.14

Time-->



#36

Methylcyclohexane

Concen: 3.825 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV009578.D

Acq: 10 Mar 2019 20:12

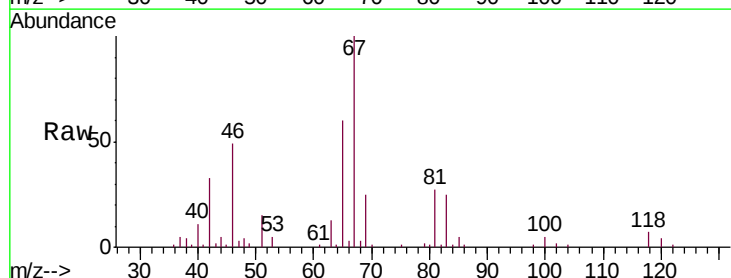
Tgt Ion: 83 Resp: 11063

Ion Ratio Lower Upper

83 100

55 0.0 58.8 88.2#

98 0.7 37.7 56.5#



Abundance Ion 83.00 (82.70 to 83.70): VV009562.D (-1570) (-)

Ion 55.00 (54.70 to 55.70): VV009562.D (-1570) (-)

Ion 98.00 (97.70 to 98.70): VV009562.D (-1570) (-)

6.12

6000

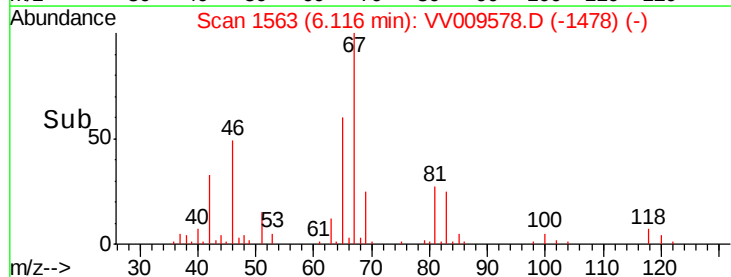
4000

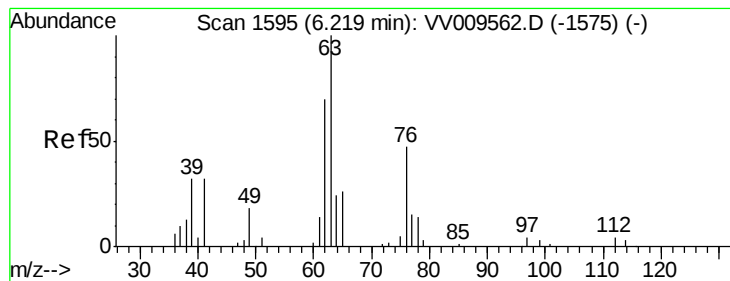
2000

0

6.05 6.10 6.15

Time-->





#40

1,2-Dichloropropane

Concen: 3.544 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009578.D

Acq: 10 Mar 2019 20:12

Instrument :

MSVOA_V

ClientSampleId :

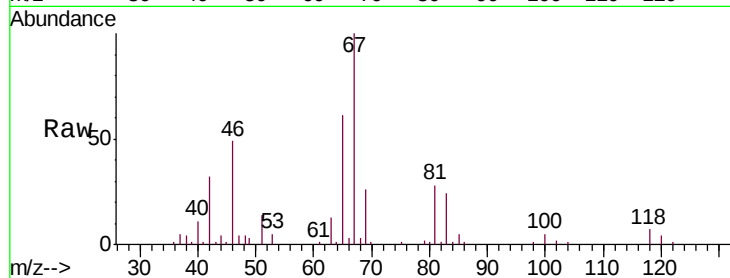
BF2L0

Tgt Ion: 63 Resp: 5646

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VV009562.D (-1575) (-)

Ion 112.00 (111.70 to 112.70): VV009562.D (-1575) (-)

6.12

3000

2000

1000

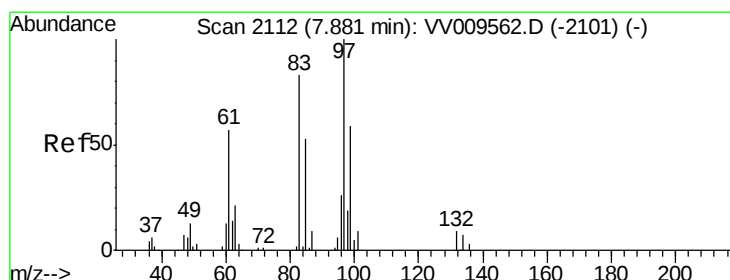
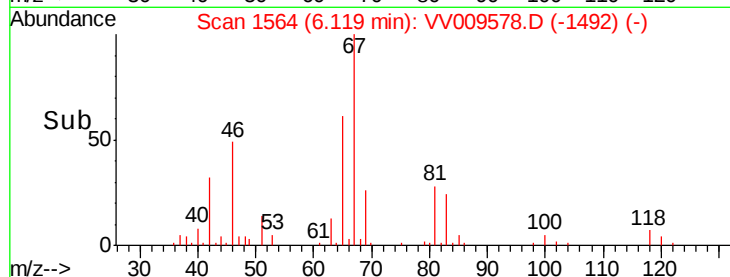
0

Time-->

6.05

6.10

6.15



#46

1,1,2-Trichloroethane

Concen: 0.911 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV009578.D

Acq: 10 Mar 2019 20:12

Tgt Ion: 97 Resp: 1205

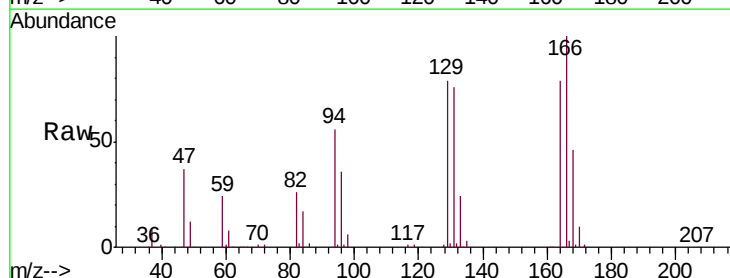
Ion Ratio Lower Upper

97 100

83 226.7 63.8 118.6#

85 49.0 39.5 73.4

99 0.0 45.9 85.3#



Abundance Ion 97.00 (96.70 to 97.70): VV009562.D (-2101) (-)

Ion 83.00 (82.70 to 83.70): VV009562.D (-2101) (-)

Ion 85.00 (84.70 to 85.70): VV009562.D (-2101) (-)

Ion 99.00 (98.70 to 99.70): VV009562.D (-2101) (-)

8.02

2500

2000

1500

1000

500

0

Time-->

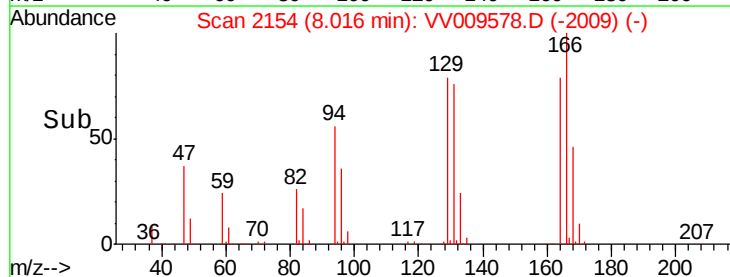
7.98

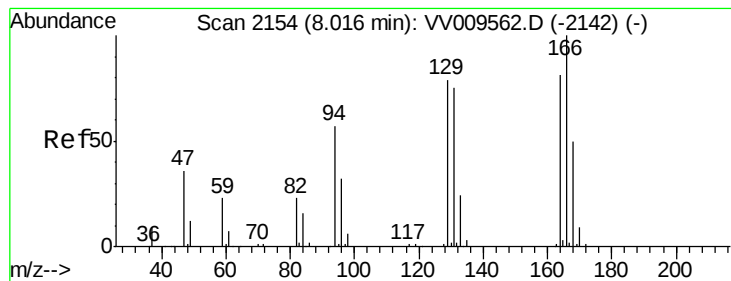
8.00

8.02

8.04

8.06





#47

Tetrachloroethene

Concen: 91.178 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009578.D

Acq: 10 Mar 2019 20:12

Instrument :

MSVOA_V

ClientSampleId :

BF2L0

Tgt Ion:164 Resp: 122784

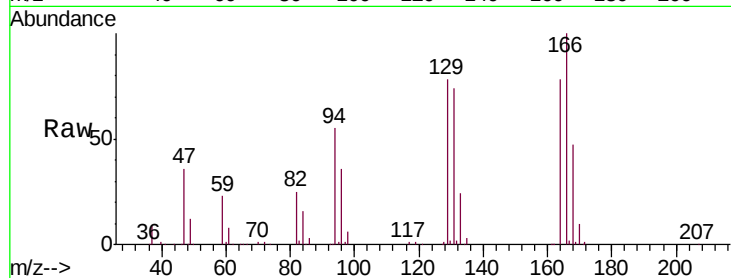
Ion Ratio Lower Upper

164 100

129 99.3 67.7 125.7

131 94.9 67.5 125.3

166 127.4 81.6 151.6

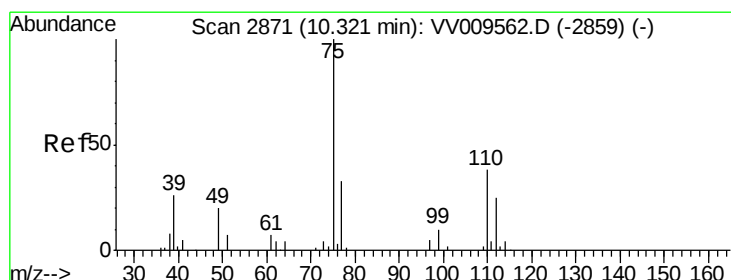
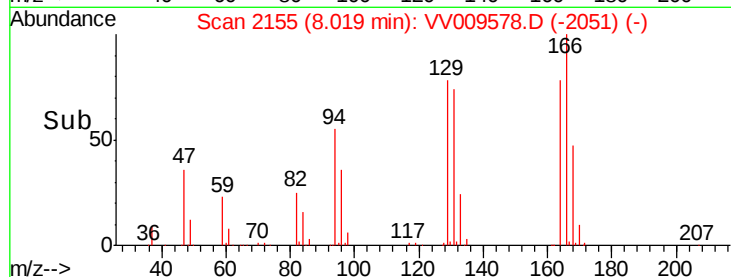
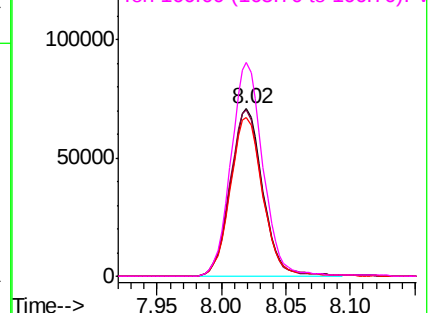


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.669 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.97 min

Lab File: VV009578.D

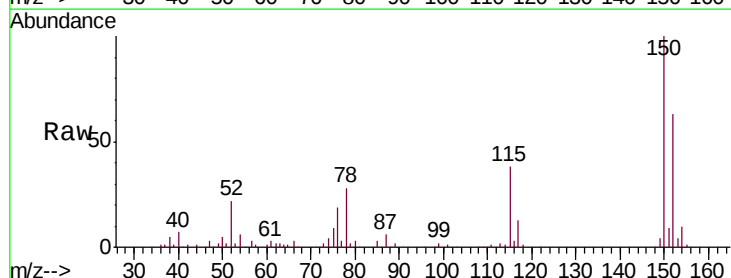
Acq: 10 Mar 2019 20:12

Tgt Ion: 75 Resp: 7637

Ion Ratio Lower Upper

75 100

77 38.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

