

Data File : VV009571.D
Acq On : 10 Mar 2019 17:07
Operator : SY/MD
Sample : K1818-08
Misc : 6.10G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0Q8

Quant Time: Mar 11 04:52:31 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	130661	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	130944	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58175	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29733	18.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.60%
7) Chloroethane-d5	1.57	69	35293	15.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.08%
10) 1,1-Dichloroethene-d2	2.13	63	68595	16.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.04%
20) 2-Butanone-d5	3.94	46	27594	51.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.96%
24) Chloroform-d	4.40	84	82558	26.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.08%
26) 1,2-Dichloroethane-d4	5.08	65	51475	29.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.28%
29) Benzene-d6	5.10	84	161955	24.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.88%
33) 1,2-Dichloropropane-d6	6.12	67	51643	26.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.92%
37) Toluene-d8	7.36	98	151662	23.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.96%
38) trans-1,3-Dichloropropene-	7.67	79	21362	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.12%
39) 2-Hexanone-d5	8.13	63	22685	50.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.58%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	52363	25.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.68%
61) 1,2-Dichlorobenzene-d4	11.68	152	56730	26.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.84%

Target Compounds

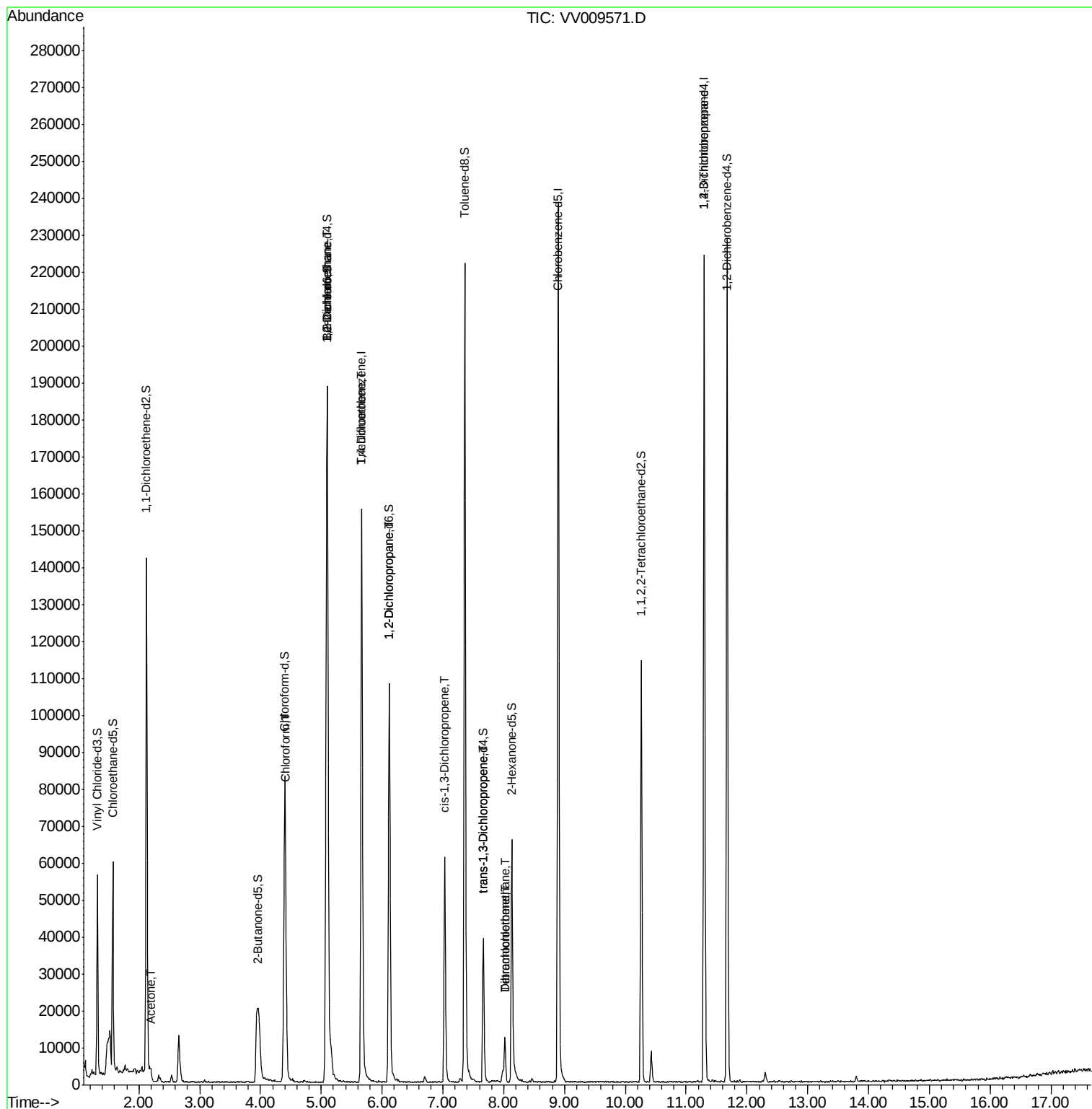
						Qvalue
13) Acetone	2.20	43	2478	4.547	ug/L	77
25) Chloroform	4.42	83	2809	0.915	ug/L	92
27) 1,2-Dichloroethane	5.09	62	1037	0.487	ug/L #	77
35) Trichloroethene	5.66	95	4008	2.061	ug/L #	6
40) 1,2-Dichloropropane	6.12	63	6246	3.580	ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1992	0.735	ug/L #	82
45) trans-1,3-Dichloropropene	7.67	75	1225	0.518	ug/L	90
47) Tetrachloroethene	8.02	164	2453	1.663	ug/L	92
50) Dibromochloromethane	8.02	129	2433	1.387	ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	8741	5.925	ug/L	94

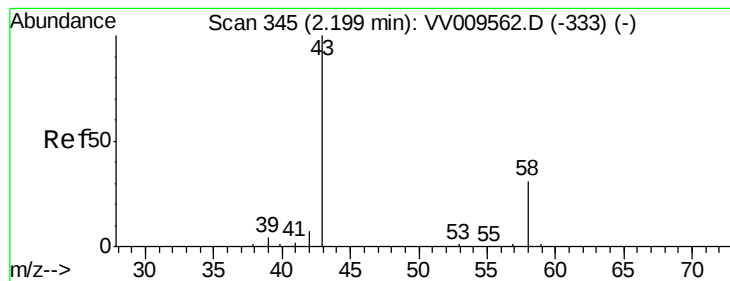
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.547 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

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Acq: 10 Mar 2019 17:07

Instrument :

MSVOA_V

ClientSampleId :

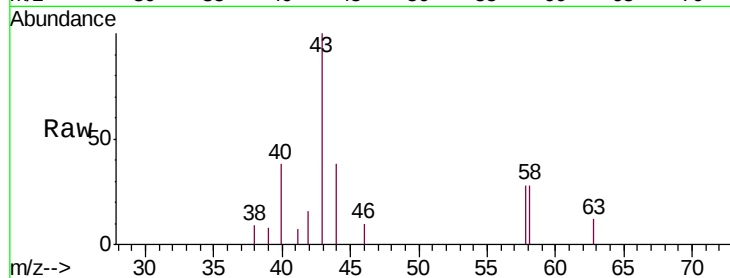
BF0Q8

Tgt Ion: 43 Resp: 2478

Ion Ratio Lower Upper

43 100

58 20.9 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009571.D (-242) (-)

Ion 58.00 (57.70 to 58.70): VV009571.D (-242) (-)

2.20

1500

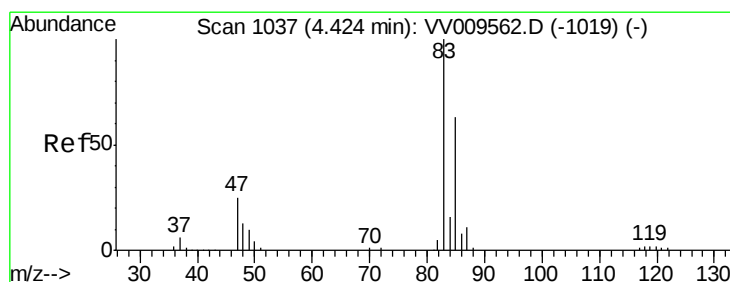
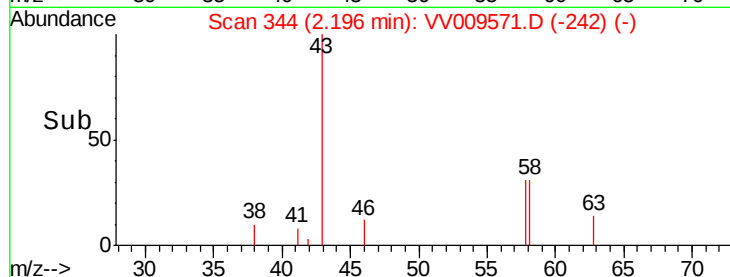
1000

500

0

2.16 2.18 2.20 2.22 2.24

Time-->



#25

Chloroform

Concen: 0.915 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV009571.D

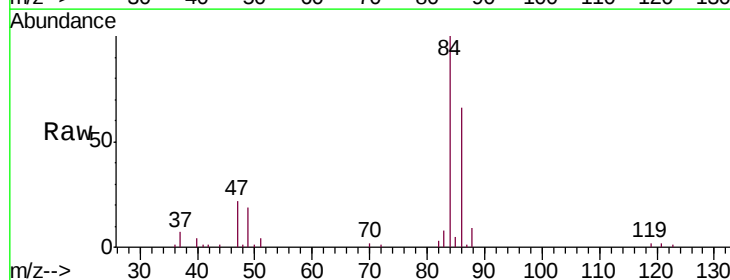
Acq: 10 Mar 2019 17:07

Tgt Ion: 83 Resp: 2809

Ion Ratio Lower Upper

83 100

85 71.4 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VV009571.D (-934) (-)

Ion 85.00 (84.70 to 85.70): VV009571.D (-934) (-)

4.42

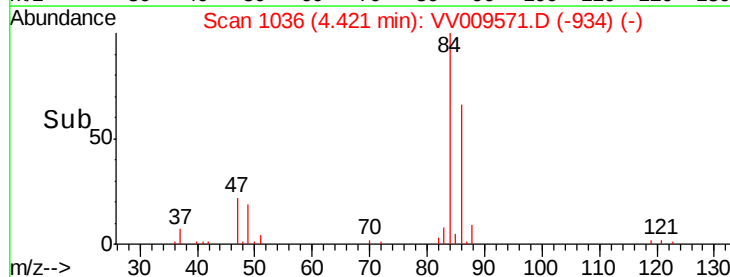
1000

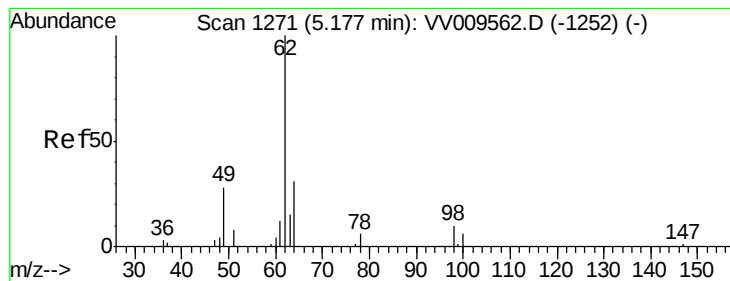
500

0

4.35 4.40 4.45

Time-->





#27

1,2-Dichloroethane

Concen: 0.487 ug/L

RT: 5.09 min Scan# 1245

Delta R.T. -0.08 min

Lab File: VV009571.D

Acq: 10 Mar 2019 17:07

Instrument :

MSVOA_V

ClientSampleId :

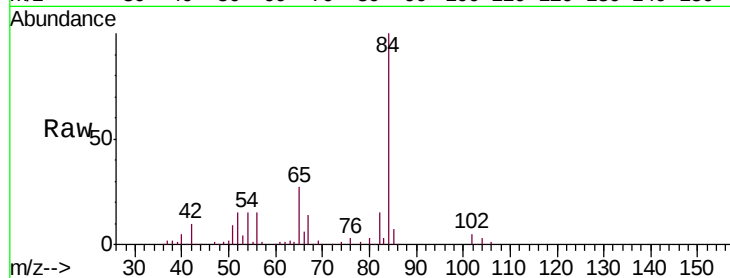
BF0Q8

Tgt Ion: 62 Resp: 1037

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) (-)

5.09

600

500

400

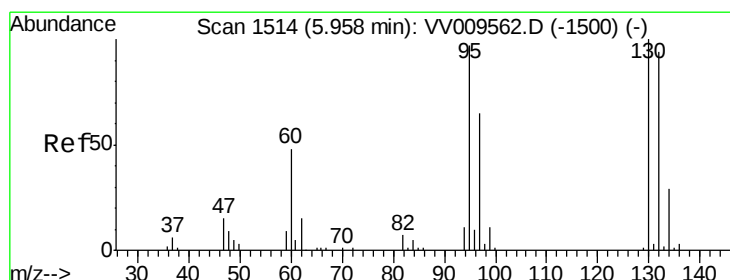
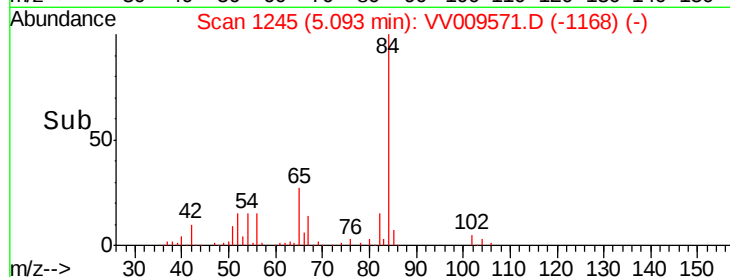
300

200

100

0

Time-->



#35

Trichloroethene

Concen: 2.061 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV009571.D

Acq: 10 Mar 2019 17:07

Tgt Ion: 95 Resp: 4008

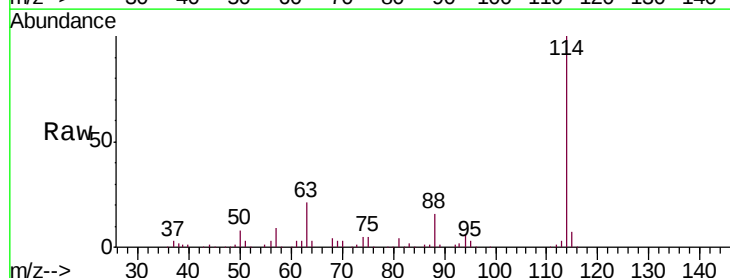
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 64.4 119.6#

130 0.0 69.4 128.8#



Abundance Ion 95.00 (94.70 to 95.70): VV009562.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV009562.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV009562.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009562.D (-1500) (-)

3000

2500

2000

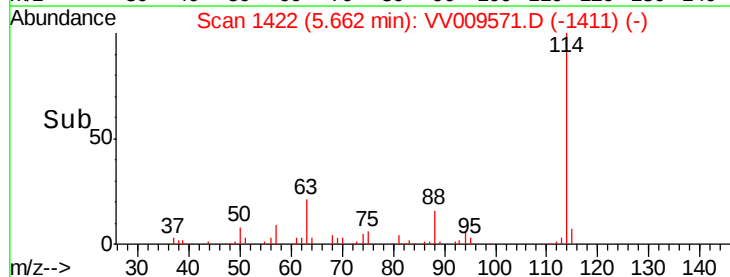
1500

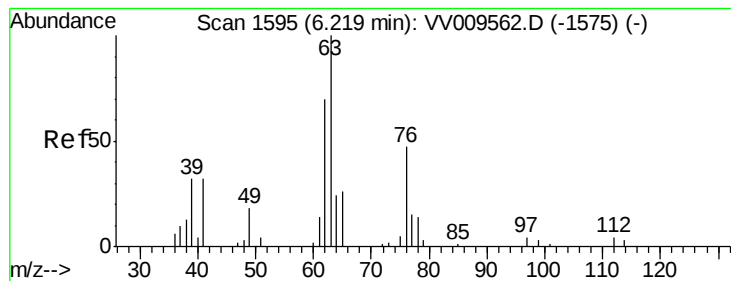
1000

500

0

Time-->





#40

1,2-Dichloropropane

Concen: 3.580 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009571.D

Acq: 10 Mar 2019 17:07

Instrument :

MSVOA_V

ClientSampleId :

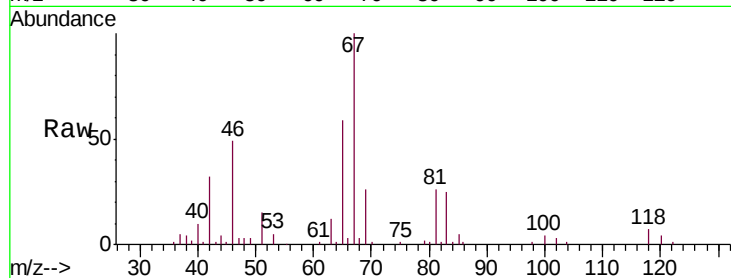
BF0Q8

Tgt Ion: 63 Resp: 6246

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

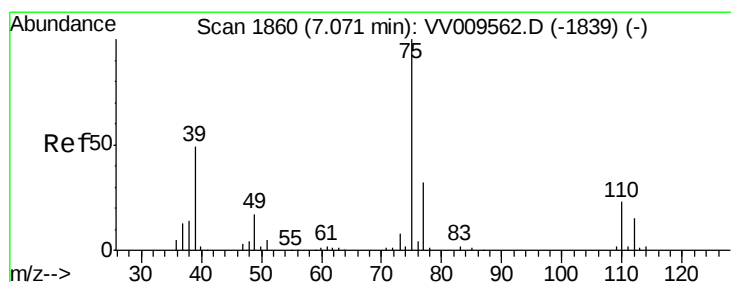
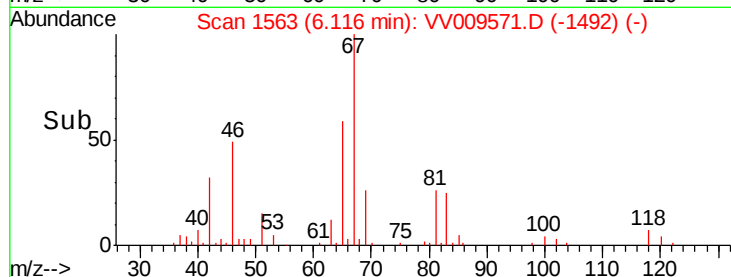
2000

1000

0

6.05 6.10 6.15

Time-->



#42

cis-1,3-Dichloropropene

Concen: 0.735 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009571.D

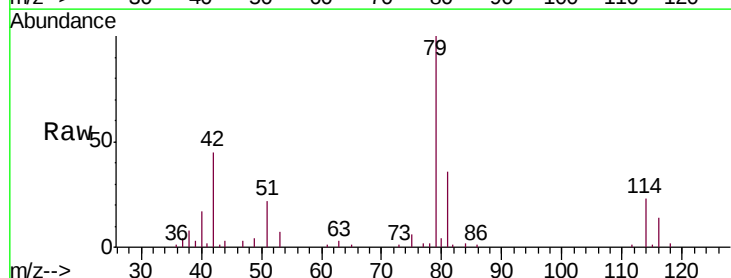
Acq: 10 Mar 2019 17:07

Tgt Ion: 75 Resp: 1992

Ion Ratio Lower Upper

75 100

77 40.7 21.4 39.8#



Abundance Ion 75.00 (74.70 to 75.70): VV009562.D (-1839) (-)

Ion 77.00 (76.70 to 77.70): VV009562.D (-1839) (-)

7.03

1200

1000

800

600

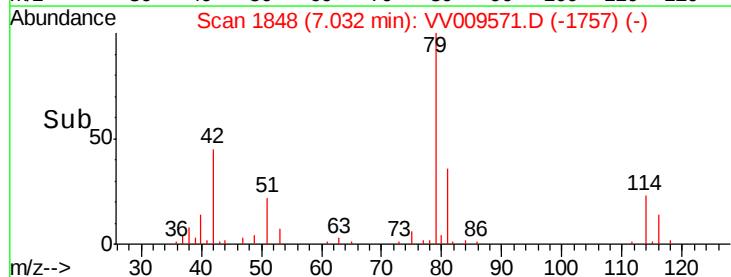
400

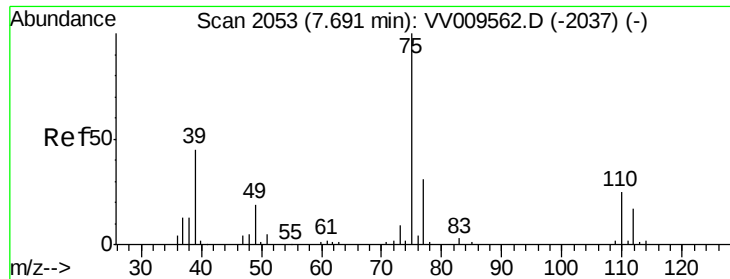
200

0

7.00 7.05

Time-->





#45

trans-1,3-Dichloropropene

Concen: 0.518 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009571.D

Acq: 10 Mar 2019 17:07

Instrument :

MSVOA_V

ClientSampleId :

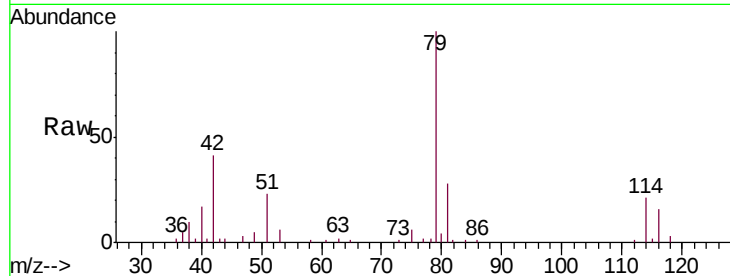
BF0Q8

Tgt Ion: 75 Resp: 1225

Ion Ratio Lower Upper

75 100

77 37.8 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009562.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009562.D (-2037) (-)

7.67

800

600

400

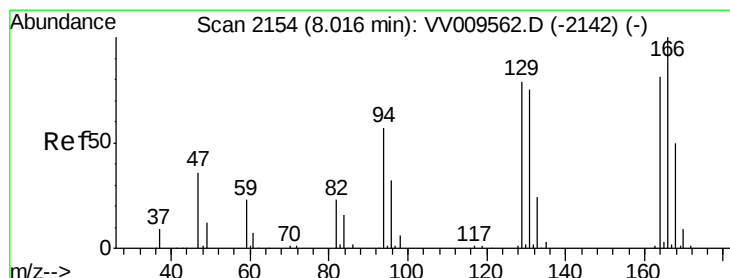
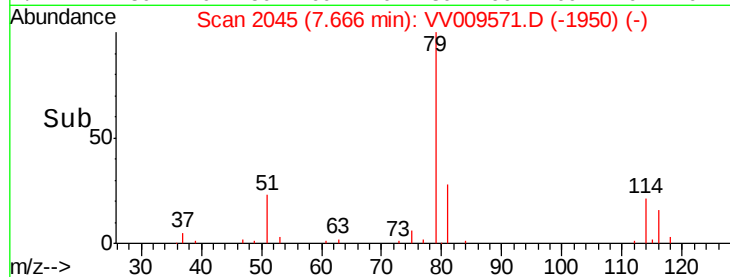
200

0

7.65

7.70

Time-->



#47

Tetrachloroethene

Concen: 1.663 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.01 min

Lab File: VV009571.D

Acq: 10 Mar 2019 17:07

Tgt Ion: 164 Resp: 2453

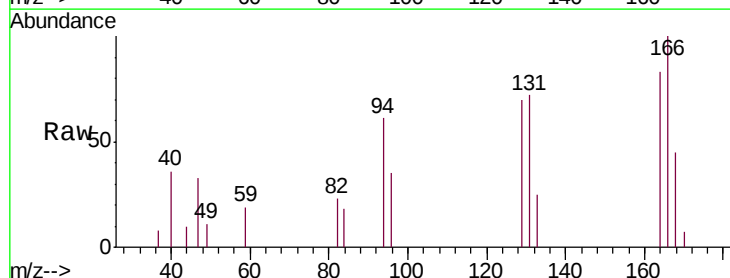
Ion Ratio Lower Upper

164 100

129 84.5 67.7 125.7

131 86.8 67.5 125.3

166 120.3 81.6 151.6



Abundance Ion 164.00 (163.70 to 164.70): VV009562.D (-2142) (-)

Ion 129.00 (128.70 to 129.70): VV009562.D (-2142) (-)

Ion 131.00 (130.70 to 131.70): VV009562.D (-2142) (-)

Ion 166.00 (165.70 to 166.70): VV009562.D (-2142) (-)

8.02

3000

2500

2000

1500

1000

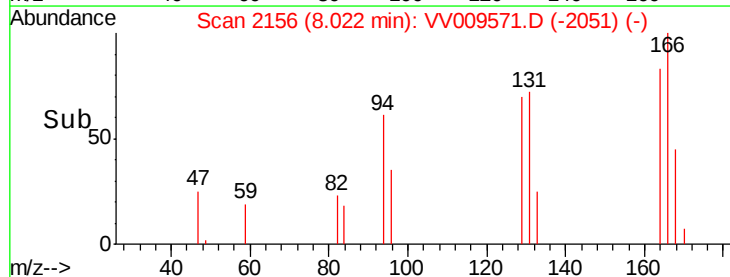
500

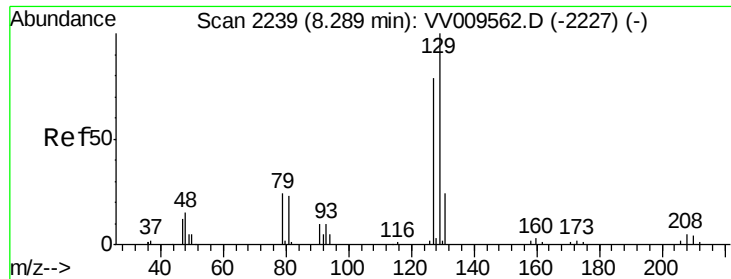
0

8.00

8.05

Time-->





#50

Dibromochloromethane

Concen: 1.387 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV009571.D

Acq: 10 Mar 2019 17:07

Instrument :

MSVOA_V

ClientSampleId :

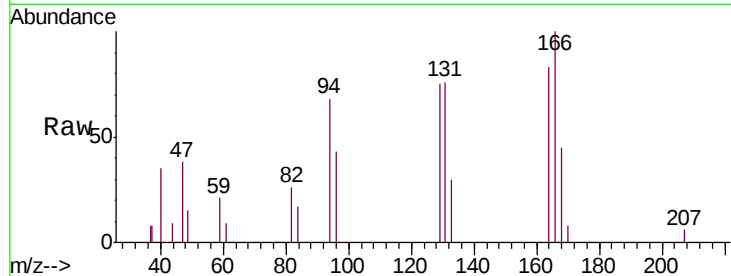
BF0Q8

Tgt Ion:129 Resp: 2433

Ion Ratio Lower Upper

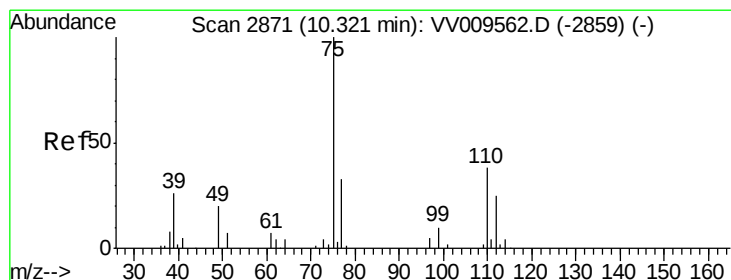
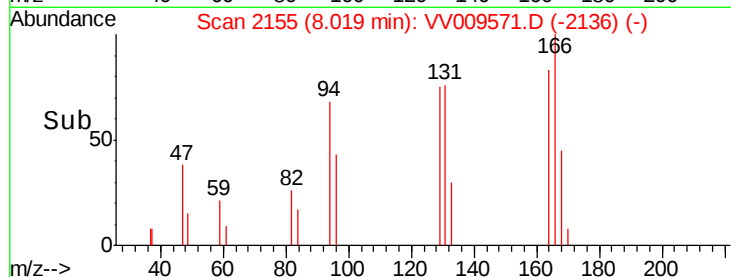
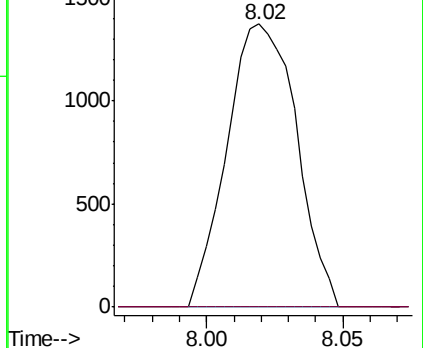
129 100

127 0.0 53.7 99.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.925 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.97 min

Lab File: VV009571.D

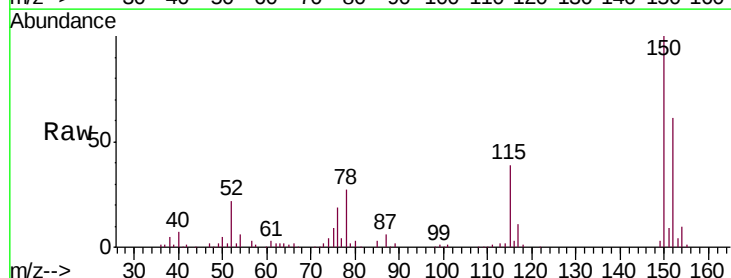
Acq: 10 Mar 2019 17:07

Tgt Ion: 75 Resp: 8741

Ion Ratio Lower Upper

75 100

77 35.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

