

Data File : VV009950.D
Acq On : 28 Mar 2019 02:06
Operator : SY/MD
Sample : K2101-13
Misc : 4.78G/10mL/MSVOA_V/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0C7

Quant Time: Mar 28 07:22:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 07:17:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	114036	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	110973	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	43603	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	49276	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.16%
7) Chloroethane-d5	1.55	69	59643	23.86	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.44%
10) 1,1-Dichloroethene-d2	2.11	63	51007	8.06	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	32.24%#
20) 2-Butanone-d5	3.92	46	35499	82.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	164.64%#
24) Chloroform-d	4.39	84	62205	21.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.64%
26) 1,2-Dichloroethane-d4	5.07	65	48754	27.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.52%
29) Benzene-d6	5.09	84	145622	24.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.96%
33) 1,2-Dichloropropane-d6	6.11	67	46147	27.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.28%
37) Toluene-d8	7.36	98	118946	21.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.24%
38) trans-1,3-Dichloropropene-	7.66	79	13643	19.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.24%
39) 2-Hexanone-d5	8.13	63	24572	77.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	154.42%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47531	28.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	39307	23.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.72%

Target Compounds

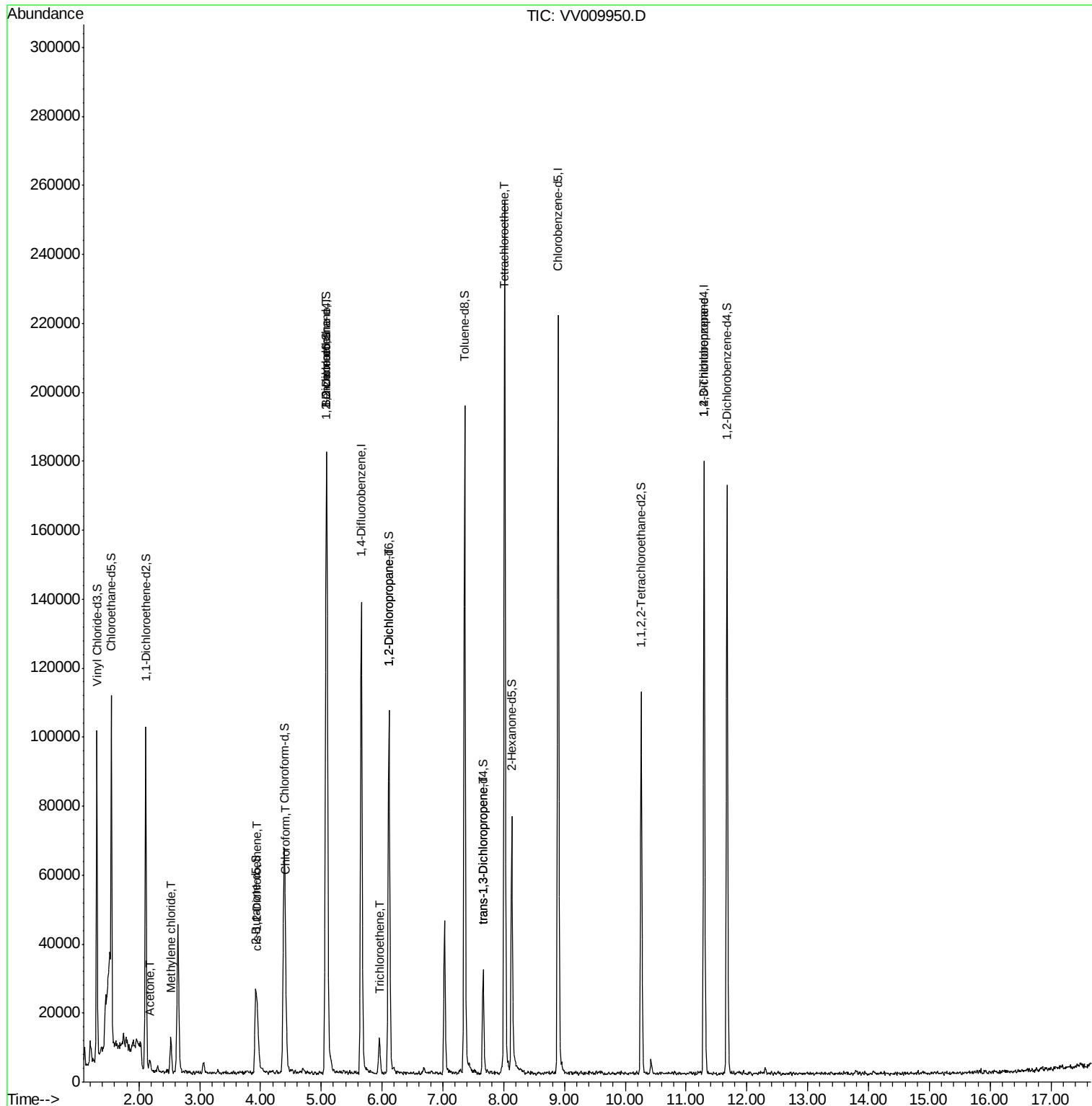
					Qvalue
13) Acetone	2.19	43	2842	4.353 ug/L	67
16) Methylene chloride	2.53	84	3615	1.925 ug/L	91
22) cis-1,2-Dichloroethene	3.95	96	3494	2.118 ug/L	97
25) Chloroform	4.42	83	9640	3.191 ug/L #	54
27) 1,2-Dichloroethane	5.08	62	1004	0.469 ug/L #	75
35) Trichloroethene	5.96	95	1737	1.081 ug/L #	54
40) 1,2-Dichloropropane	6.11	63	5873	3.857 ug/L #	92
45) trans-1,3-Dichloropropene	7.66	75	963	0.530 ug/L #	77
47) Tetrachloroethene	8.02	164	48562	38.285 ug/L	96
59) 1,2,3-Trichloropropane	11.30	75	6892	5.625 ug/L	90

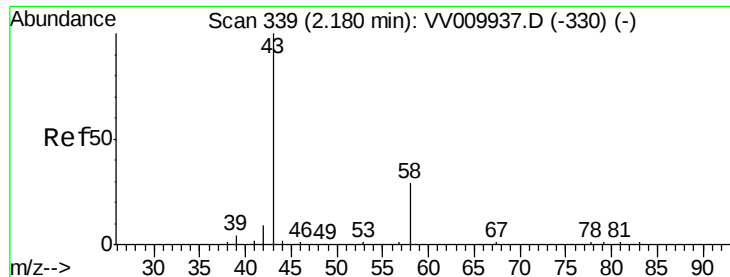
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.353 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV009950.D

Acq: 28 Mar 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

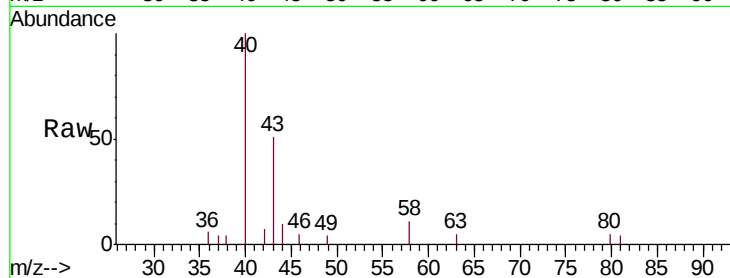
BF0C7

Tgt Ion: 43 Resp: 2842

Ion Ratio Lower Upper

43 100

58 12.1 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009937.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV009937.D (-330) (-)

2.19

1500

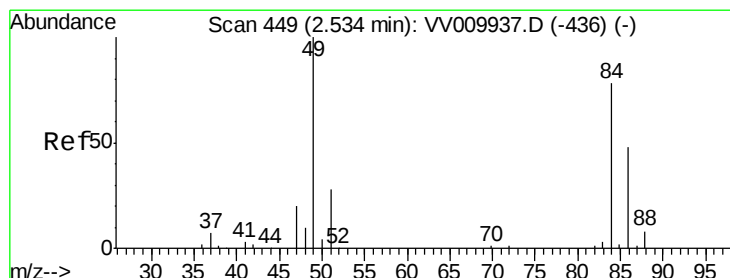
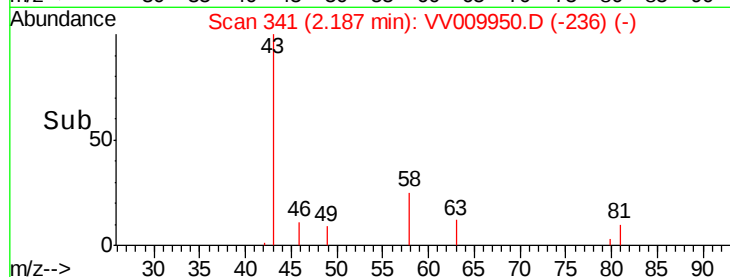
1000

500

0

2.15 2.20 2.25

Time-->



#16

Methylene chloride

Concen: 1.925 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.01 min

Lab File: VV009950.D

Acq: 28 Mar 2019 02:06

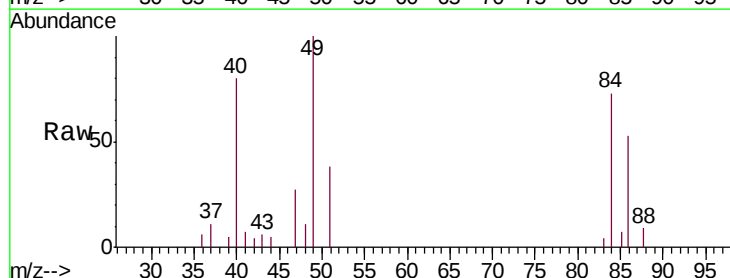
Tgt Ion: 84 Resp: 3615

Ion Ratio Lower Upper

84 100

49 137.7 90.4 167.8

86 72.7 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV009937.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009937.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009937.D (-436) (-)

2.53

4000

3000

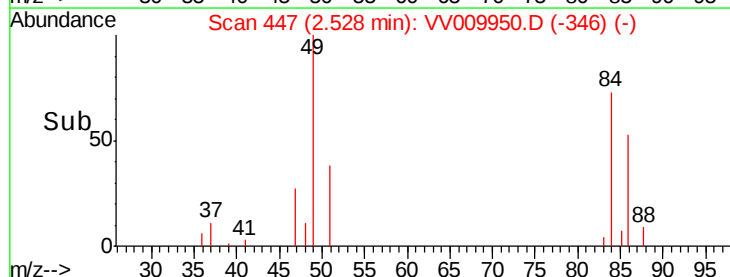
2000

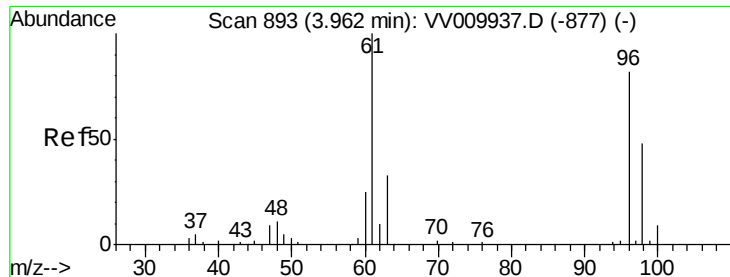
1000

0

2.50 2.55

Time-->



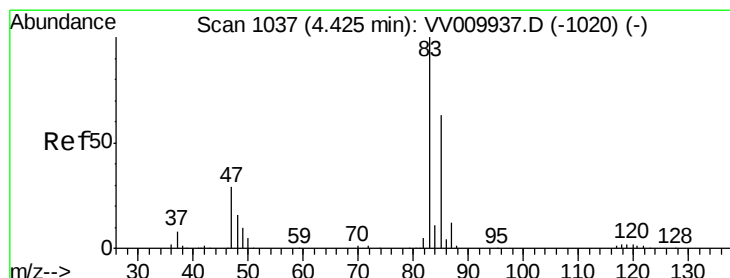
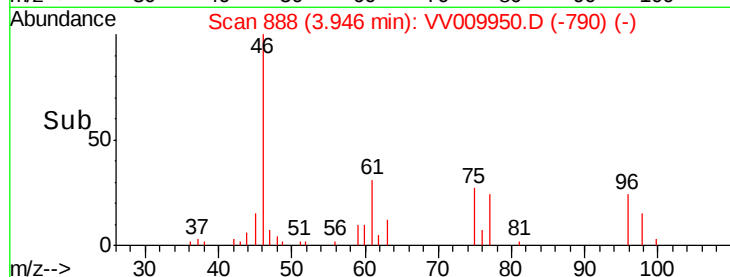
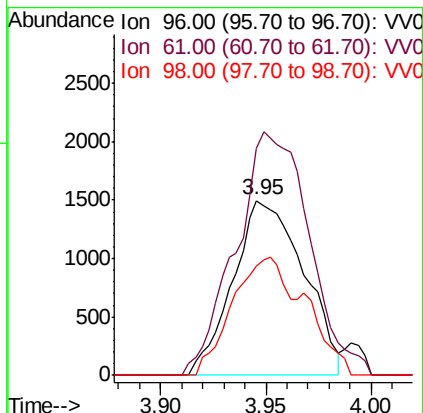
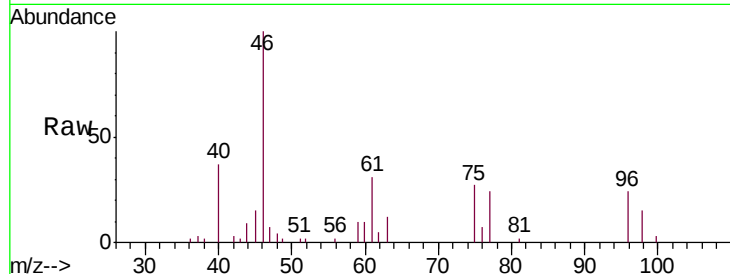


#22

cis-1,2-Dichloroethene
Concen: 2.118 ug/L
RT: 3.95 min Scan# 888
Delta R.T. -0.02 min
Lab File: VV009950.D
Acq: 28 Mar 2019 02:06

Instrument :
MSVOA_V
ClientSampleId :
BF0C7

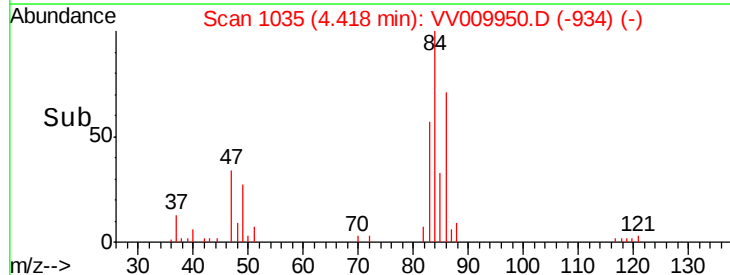
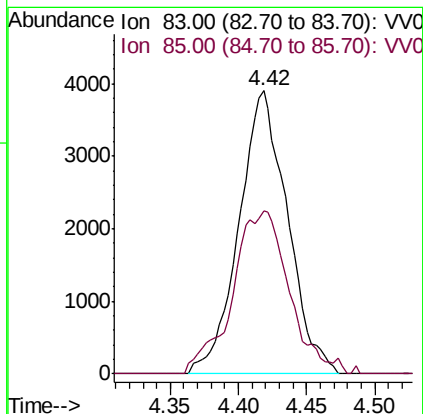
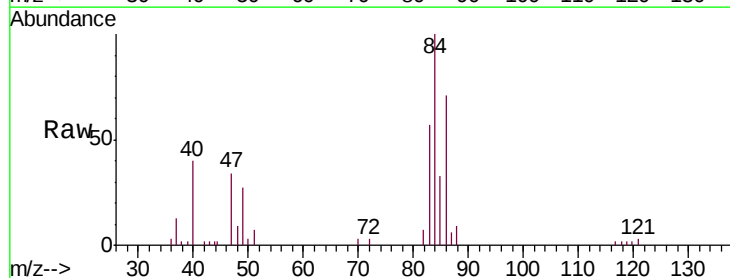
Tgt Ion: 96 Resp: 3494
Ion Ratio Lower Upper
96 100
61 129.6 91.4 169.8
98 62.6 48.0 89.2

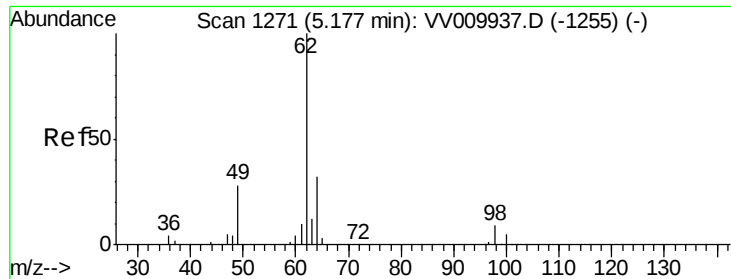


#25

Chloroform
Concen: 3.191 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VV009950.D
Acq: 28 Mar 2019 02:06

Tgt Ion: 83 Resp: 9640
Ion Ratio Lower Upper
83 100
85 29.5 46.1 85.7#





#27

1,2-Dichloroethane

Concen: 0.469 ug/L

RT: 5.08 min Scan# 1242

Delta R.T. -0.09 min

Lab File: VV009950.D

Acq: 28 Mar 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

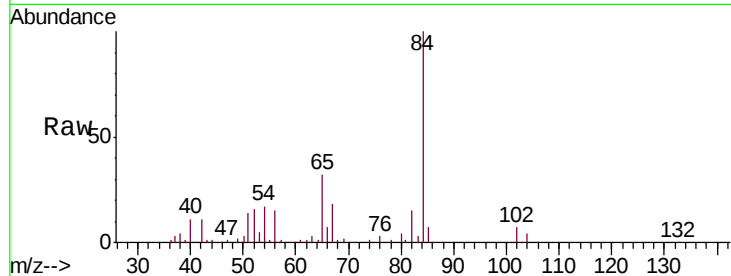
BF0C7

Tgt Ion: 62 Resp: 1004

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VV009937.D (-1255) (-)

Ion 98.00 (97.70 to 98.70): VV009937.D (-1255) (-)

5.08

600

400

200

0

5.05

5.10

5.15

5.20

5.25

5.30

5.35

5.40

5.45

5.50

5.55

5.60

5.65

5.70

5.75

5.80

5.85

5.90

5.95

6.00

6.05

6.10

6.15

6.20

6.25

6.30

6.35

6.40

6.45

6.50

6.55

6.60

6.65

6.70

6.75

6.80

6.85

6.90

6.95

7.00

7.05

7.10

7.15

7.20

7.25

7.30

7.35

7.40

7.45

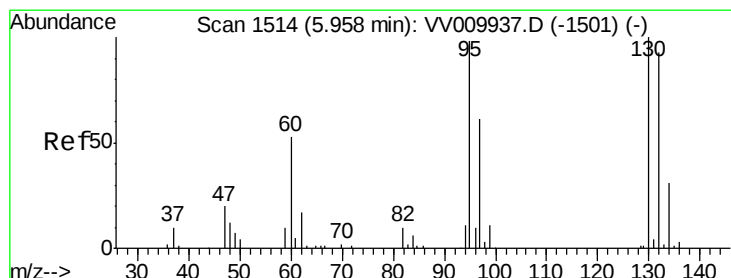
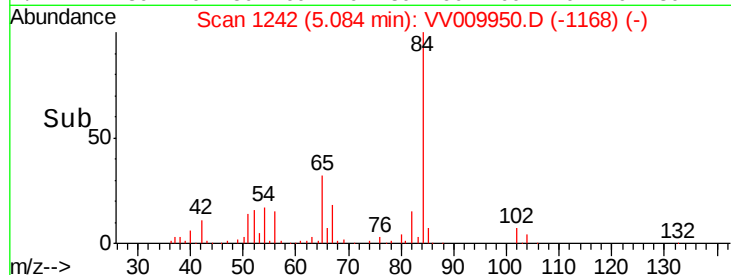
7.50

7.55

7.60

7.65

7.70



#35

Trichloroethene

Concen: 1.081 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009950.D

Acq: 28 Mar 2019 02:06

Tgt Ion: 95 Resp: 1737

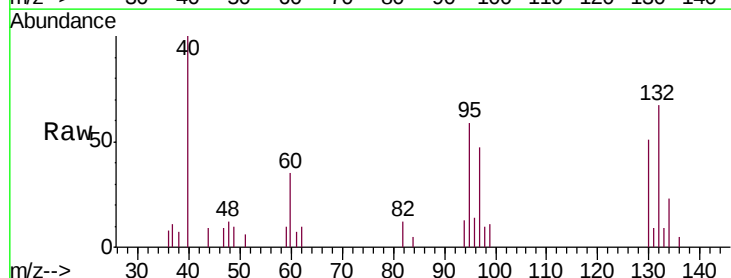
Ion Ratio Lower Upper

95 100

97 112.4 46.3 85.9#

132 151.0 69.3 128.7#

130 131.1 69.5 129.1#



Abundance Ion 95.00 (94.70 to 95.70): VV009937.D (-1501) (-)

Ion 97.00 (96.70 to 97.70): VV009937.D (-1501) (-)

Ion 132.00 (131.70 to 132.70): VV009937.D (-1501) (-)

Ion 130.00 (129.70 to 130.70): VV009937.D (-1501) (-)

2000

1500

1000

500

0

5.94

5.96

5.98

6.00

6.02

6.04

6.06

6.08

6.10

6.12

6.14

6.16

6.18

6.20

6.22

6.24

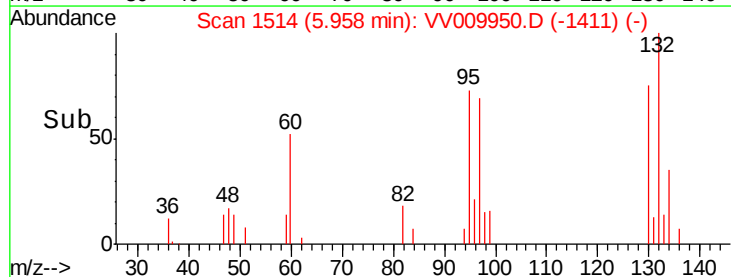
6.26

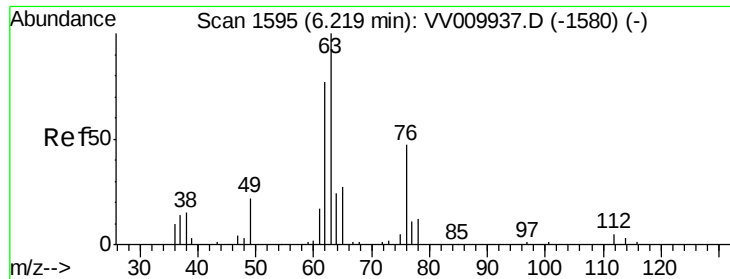
6.28

6.30

6.32

6.34

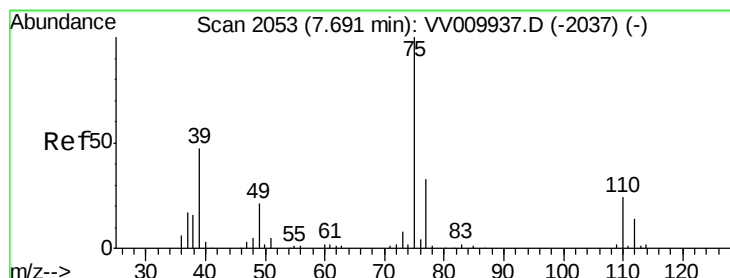
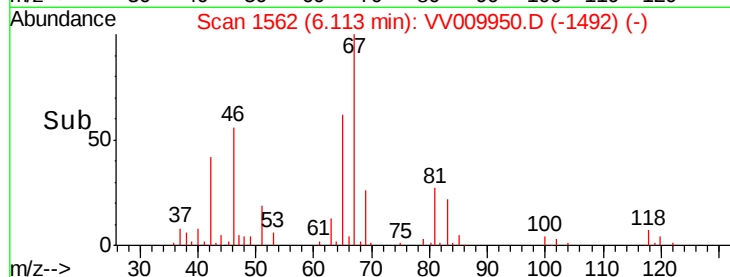
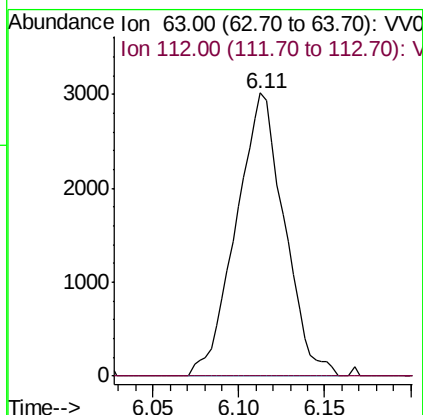
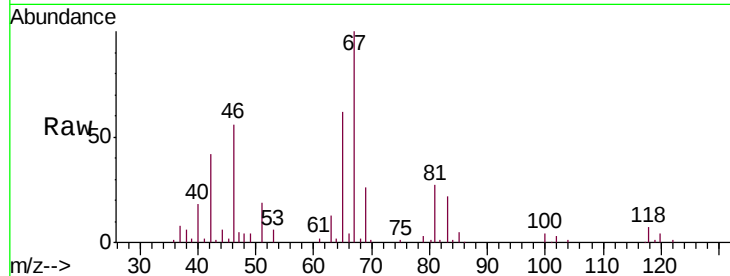




#40
 1,2-Dichloropropane
 Concen: 3.857 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV009950.D
 Acq: 28 Mar 2019 02:06

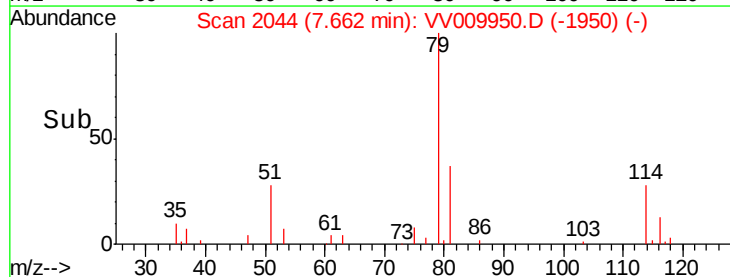
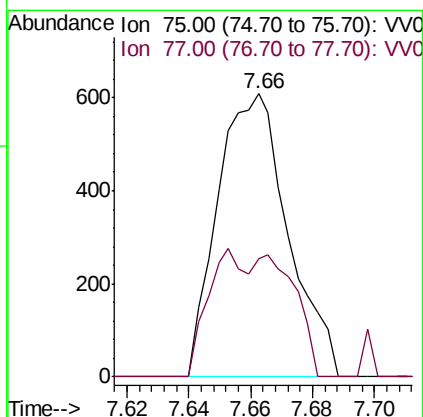
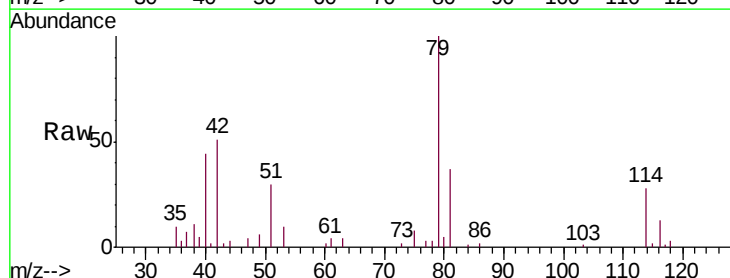
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 BF0C7

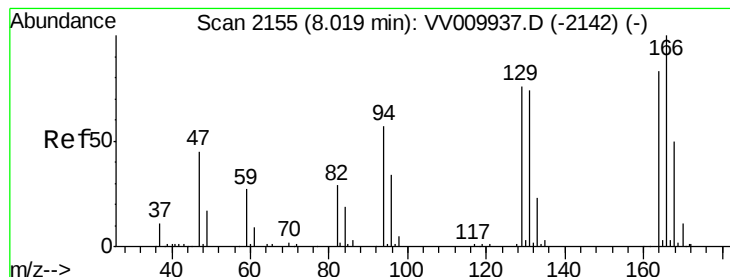
Tgt Ion: 63 Resp: 5873
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.1 3.1#



#45
 trans-1,3-Dichloropropene
 Concen: 0.530 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV009950.D
 Acq: 28 Mar 2019 02:06

Tgt Ion: 75 Resp: 963
 Ion Ratio Lower Upper
 75 100
 77 41.9 20.7 38.5#





#47

Tetrachloroethene

Concen: 38.285 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009950.D

Acq: 28 Mar 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

BF0C7

Tgt Ion:164 Resp: 48562

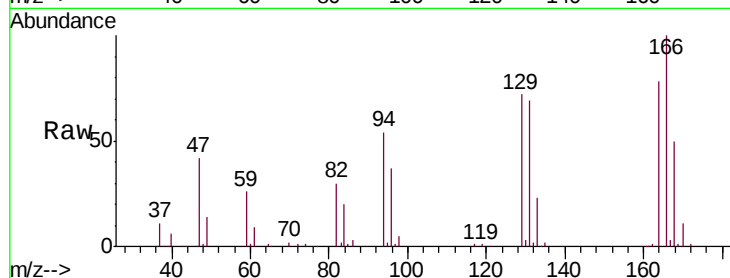
Ion Ratio Lower Upper

164 100

129 91.8 64.9 120.5

131 87.4 62.0 115.2

166 127.5 82.9 153.9

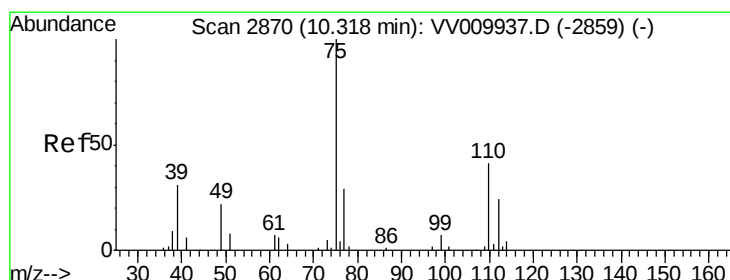
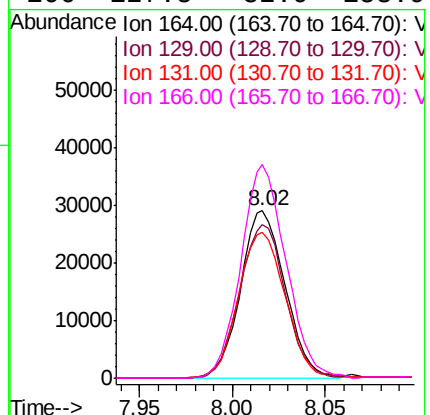
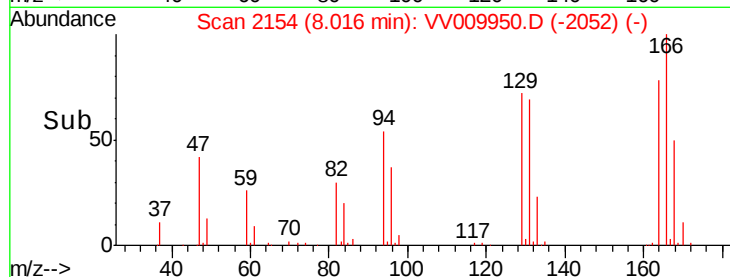


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.625 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009950.D

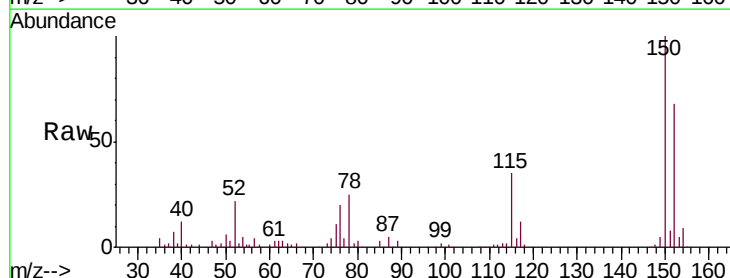
Acq: 28 Mar 2019 02:06

Tgt Ion: 75 Resp: 6892

Ion Ratio Lower Upper

75 100

77 38.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

