

Data File : VV009039.D
Acq On : 19 Dec 2018 03:22
Operator : SY/MD
Sample : J6419-12
Misc : 5.42G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF040

Quant Time: Dec 19 07:26:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 19 07:18:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	224912	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	161582	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	35140	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	57678	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.12%
7) Chloroethane-d5	1.58	69	58153	33.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	135.28%
10) 1,1-Dichloroethene-d2	2.13	63	109100	18.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.00%
20) 2-Butanone-d5	3.94	46	30803	36.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.70%
24) Chloroform-d	4.40	84	148500	27.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.84%
26) 1,2-Dichloroethane-d4	5.08	65	89097	30.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	120.80%
29) Benzene-d6	5.10	84	294318	32.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	130.44%
33) 1,2-Dichloropropane-d6	6.12	67	87759	34.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	138.96%#
37) Toluene-d8	7.36	98	231603	27.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.92%
38) trans-1,3-Dichloropropene-	7.66	79	35459	31.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	127.76%
39) 2-Hexanone-d5	8.14	63	19684	42.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55464	26.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.68%
61) 1,2-Dichlorobenzene-d4	11.68	152	28776	21.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.28%

Target Compounds

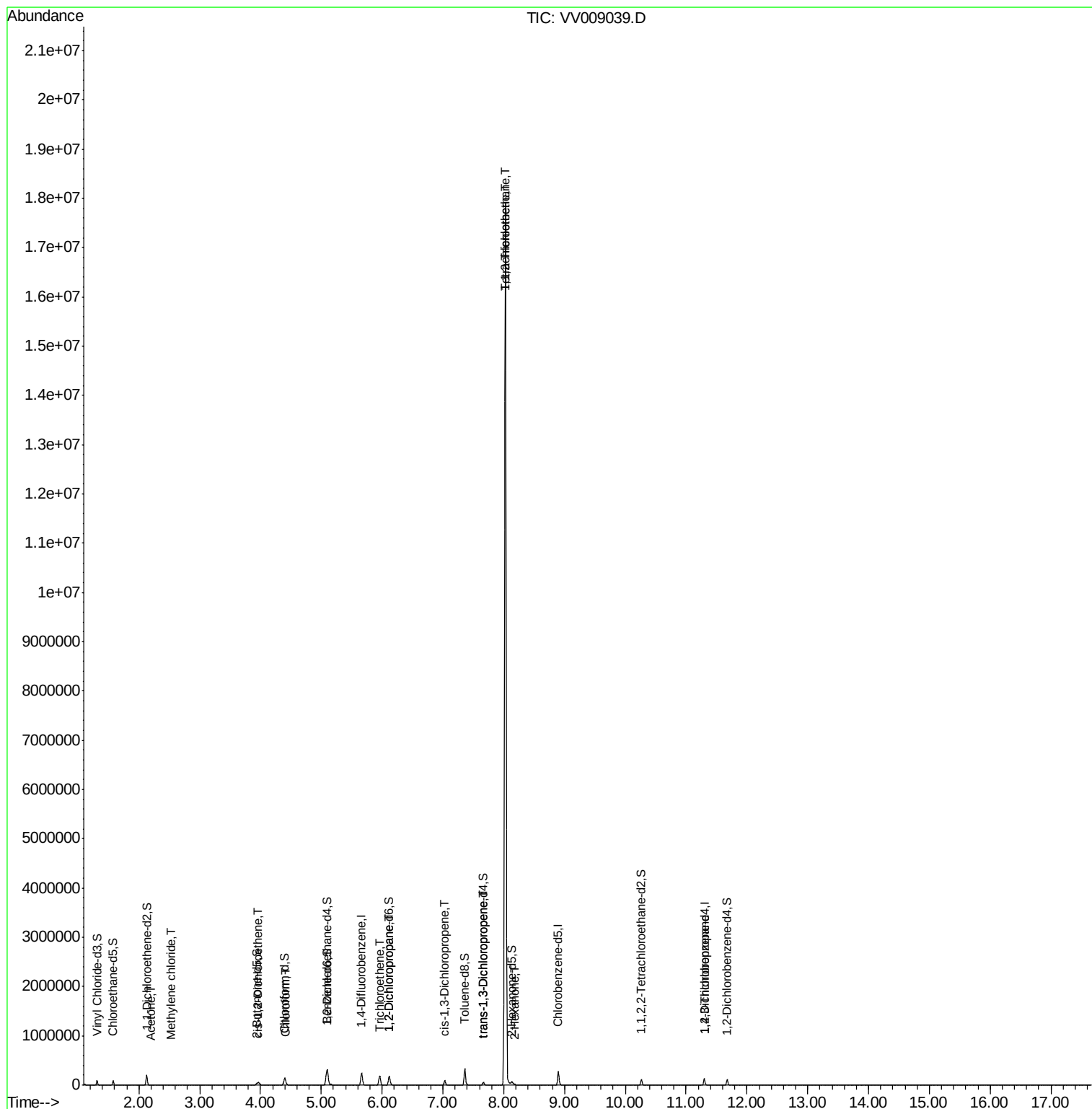
						Qvalue
13) Acetone	2.21	43	2001	1.603	ug/L	74
16) Methylene chloride	2.54	84	3780	0.998	ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	17133	5.245	ug/L	92
25) Chloroform	4.43	83	3786	0.695	ug/L	98
35) Trichloroethene	5.96	95	64819	22.209	ug/L	99
40) 1,2-Dichloropropane	6.12	63	9643	4.150	ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	2477	0.728	ug/L #	58
45) trans-1,3-Dichloropropene	7.67	75	1649	0.556	ug/L	83
46) 1,1,2-Trichloroethane	8.03	97	36602	18.907	ug/L #	14
47) Tetrachloroethene	8.03	164	4143888	1745.888	ug/L	96
49) 2-Hexanone	8.18	43	5247	4.039	ug/L #	70
59) 1,2,3-Trichloropropane	11.30	75	4451	2.458	ug/L	97

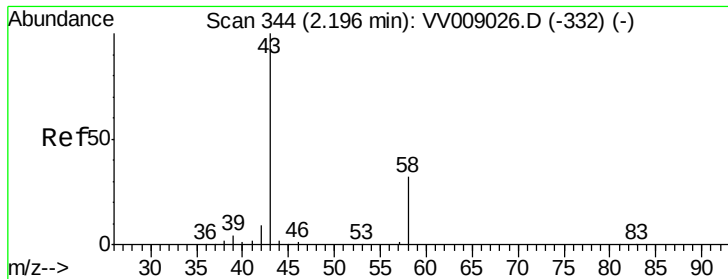
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.603 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV009039.D

Acq: 19 Dec 2018 03:22

Instrument :

MSVOA_V

ClientSampleId :

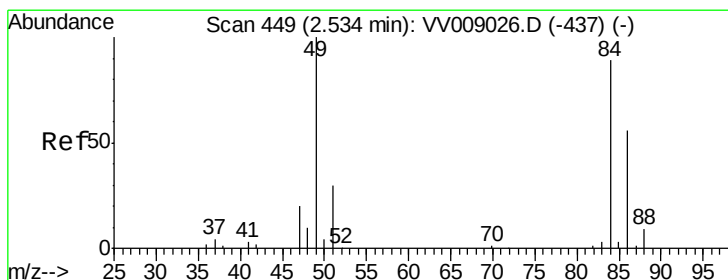
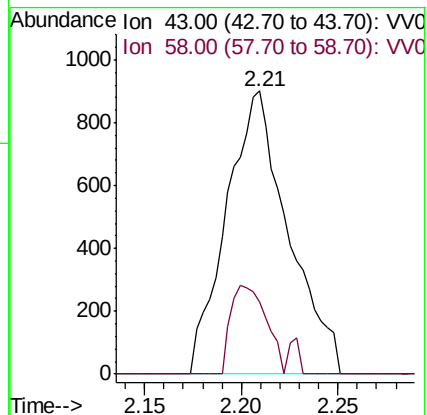
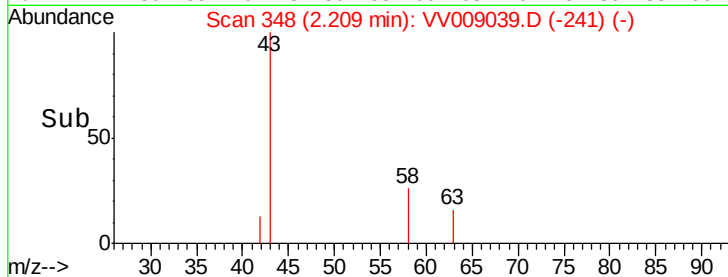
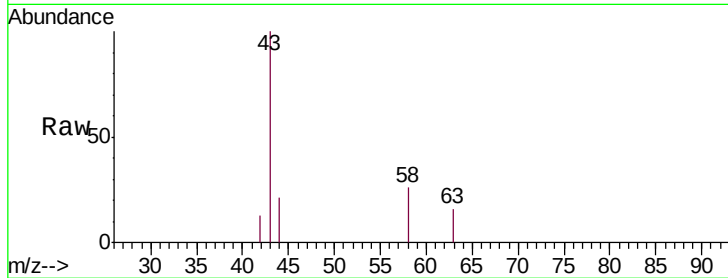
BF040

Tgt Ion: 43 Resp: 2001

Ion Ratio Lower Upper

43 100

58 18.0 0.0 65.4



#16

Methylene chloride

Concen: 0.998 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.01 min

Lab File: VV009039.D

Acq: 19 Dec 2018 03:22

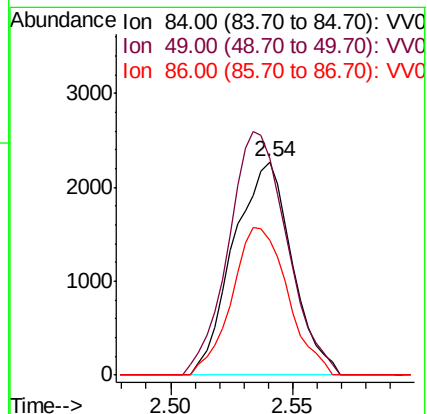
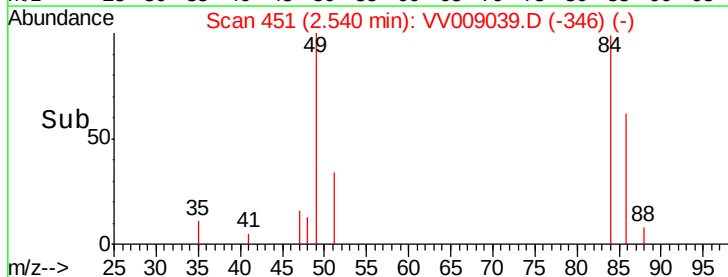
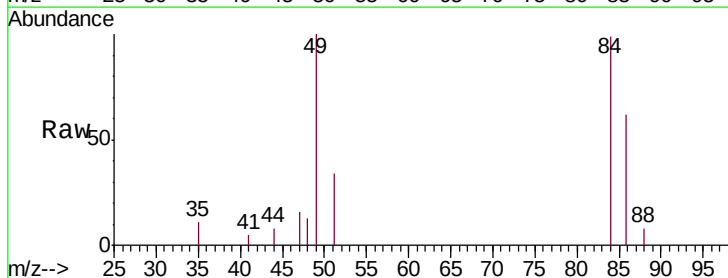
Tgt Ion: 84 Resp: 3780

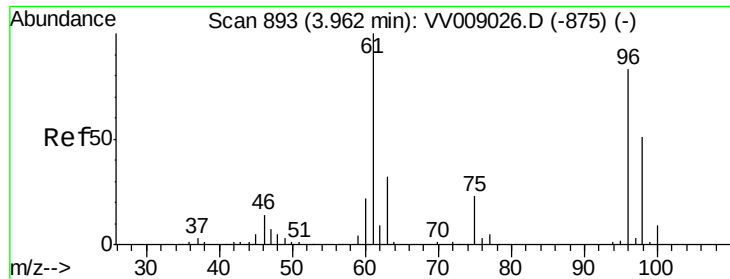
Ion Ratio Lower Upper

84 100

49 101.4 80.5 149.5

86 63.3 45.5 84.5



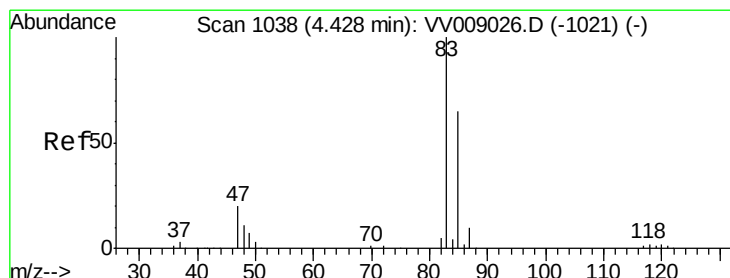
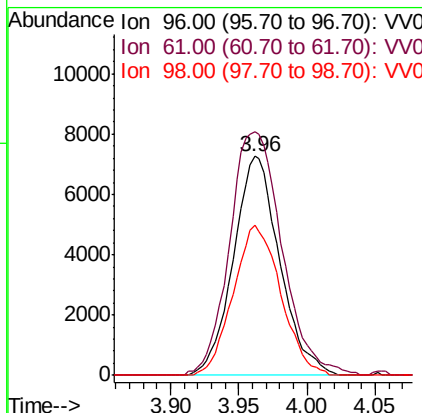
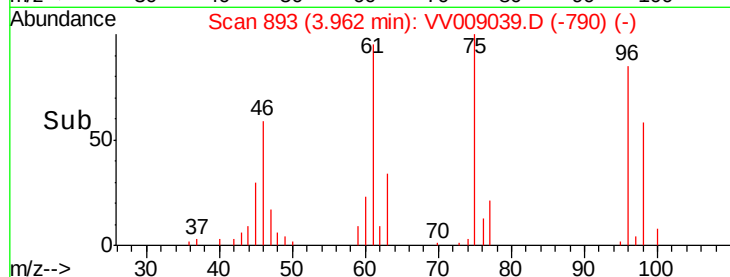
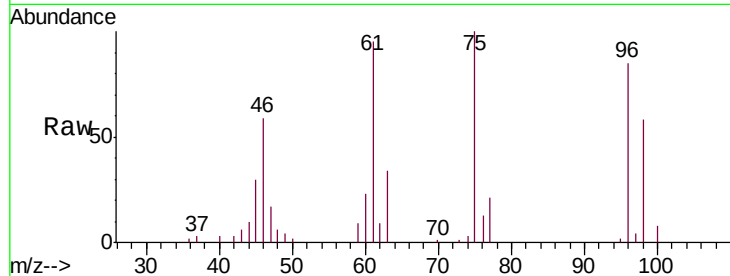


#22

cis-1,2-Dichloroethene
 Concen: 5.245 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009039.D
 Acq: 19 Dec 2018 03:22

Instrument :
 MSVOA_V
 ClientSampled :
 BF040

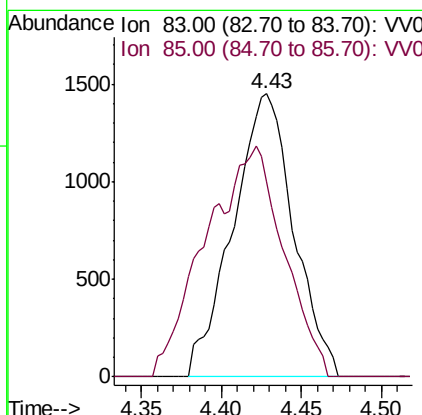
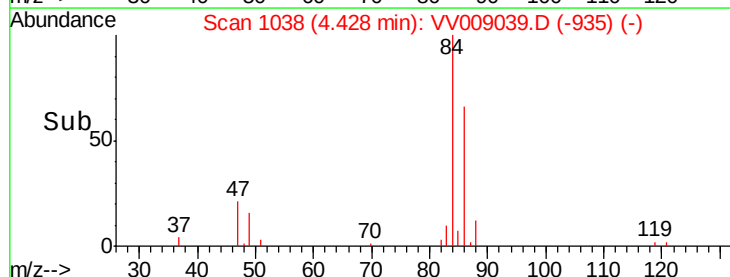
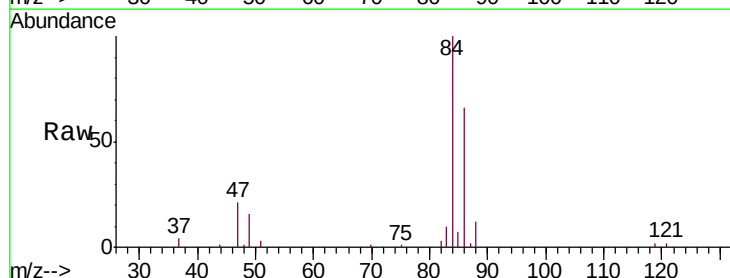
Tgt Ion: 96 Resp: 17133
 Ion Ratio Lower Upper
 96 100
 61 111.1 86.2 160.0
 98 68.4 45.6 84.6

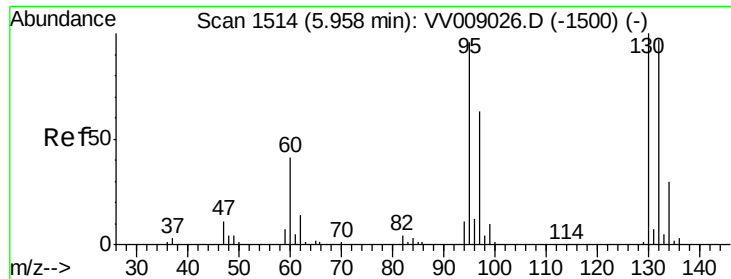


#25

Chloroform
 Concen: 0.695 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV009039.D
 Acq: 19 Dec 2018 03:22

Tgt Ion: 83 Resp: 3786
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.6 84.8





#35

Trichloroethene

Concen: 22.209 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009039.D

Acq: 19 Dec 2018 03:22

Instrument :

MSVOA_V

ClientSampleId :

BF040

Tgt Ion: 95 Resp: 64819

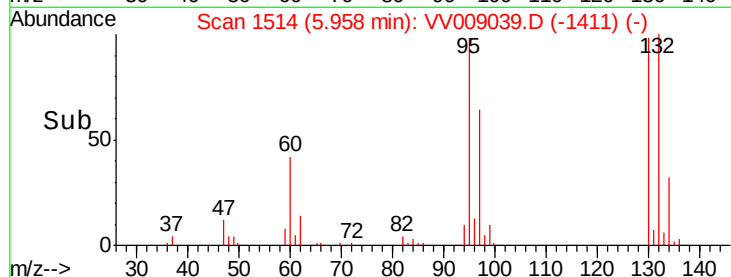
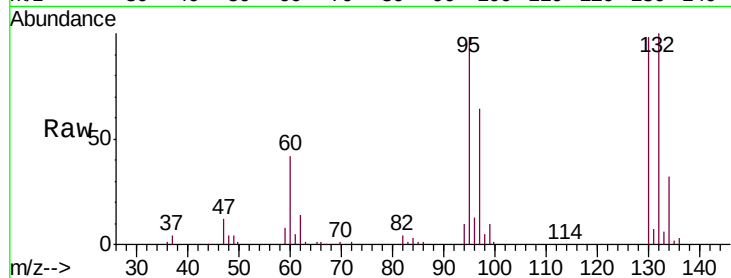
Ion Ratio Lower Upper

95 100

97 65.7 45.3 84.1

132 100.7 70.0 130.0

130 102.7 73.4 136.4



Abundance Ion 95.00 (94.70 to 95.70): VV009039.D (-1411) (-)

Ion 97.00 (96.70 to 97.70): VV009039.D (-1411) (-)

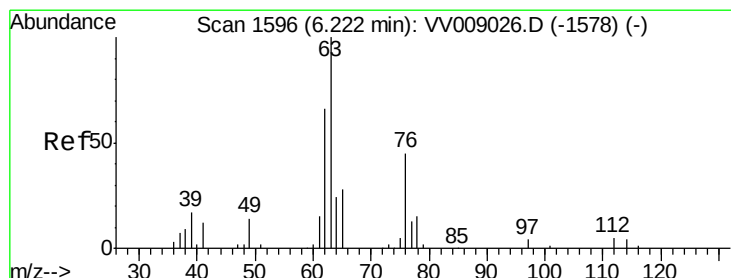
Ion 132.00 (131.70 to 132.70): VV009039.D (-1411) (-)

Ion 130.00 (129.70 to 130.70): VV009039.D (-1411) (-)

Time-->

5.96

5.90 5.95 6.00 6.05



#40

1,2-Dichloropropane

Concen: 4.150 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.11 min

Lab File: VV009039.D

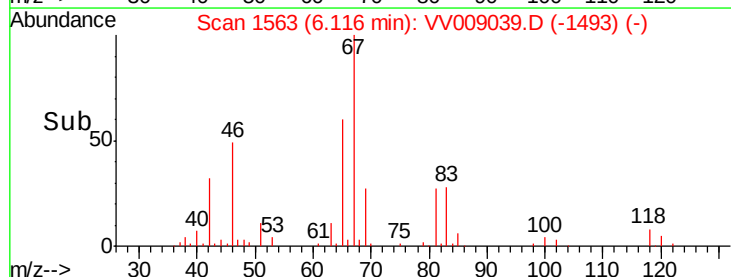
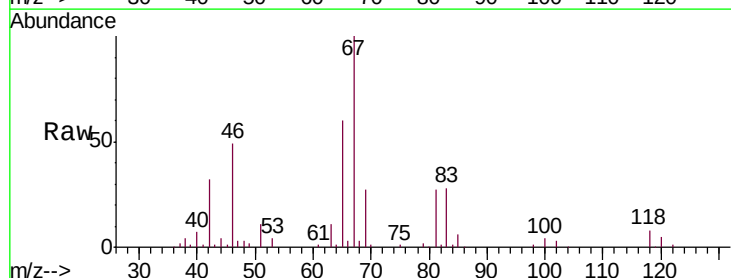
Acq: 19 Dec 2018 03:22

Tgt Ion: 63 Resp: 9643

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



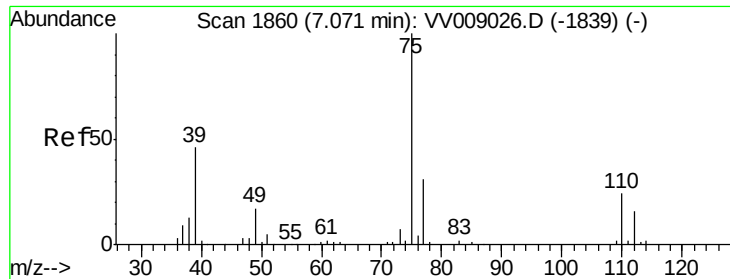
Abundance Ion 63.00 (62.70 to 63.70): VV009039.D (-1493) (-)

Ion 112.00 (111.70 to 112.70): VV009039.D (-1493) (-)

Time-->

6.12

6.05 6.10 6.15

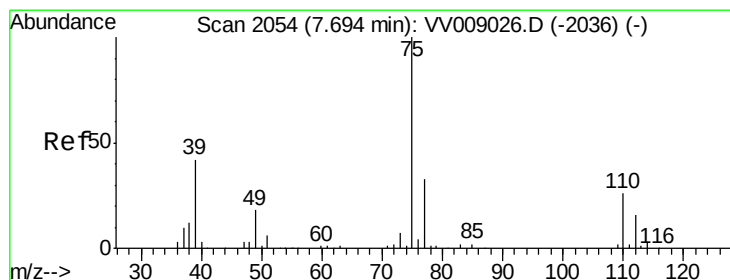
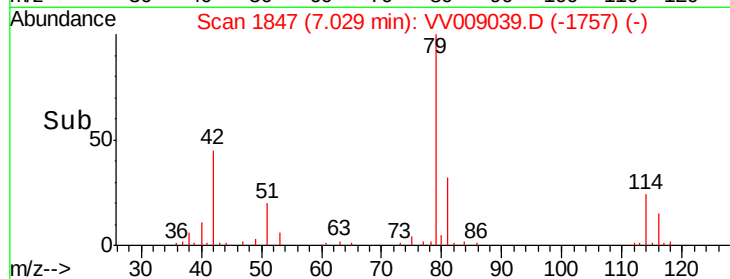
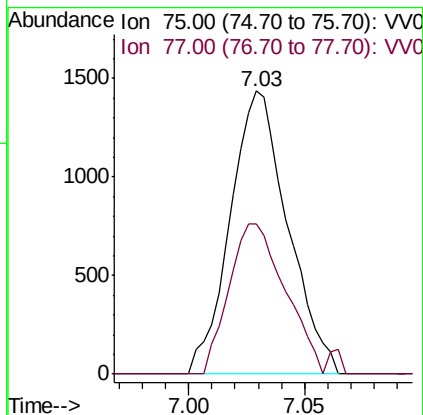
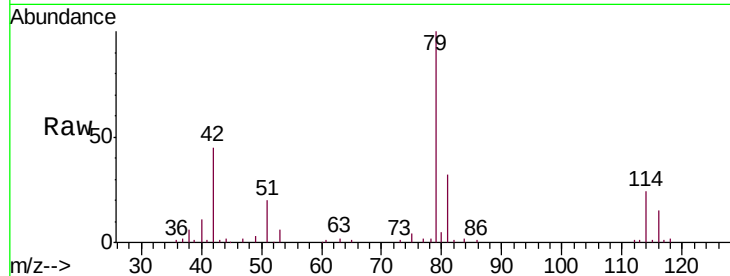


#42

cis-1,3-Dichloropropene
Concen: 0.728 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009039.D
Acq: 19 Dec 2018 03:22

Instrument :
MSVOA_V
ClientSampleId :
BF040

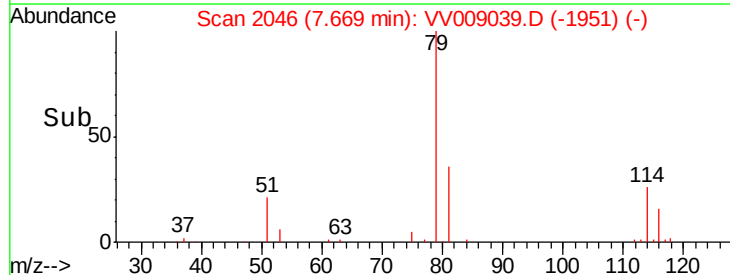
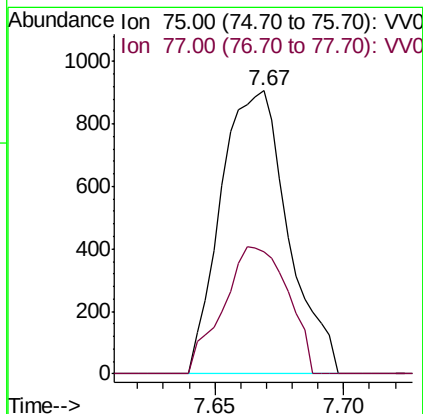
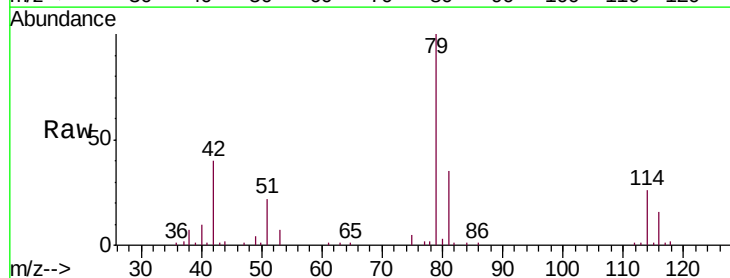
Tgt Ion: 75 Resp: 2477
Ion Ratio Lower Upper
75 100
77 53.2 21.3 39.6#

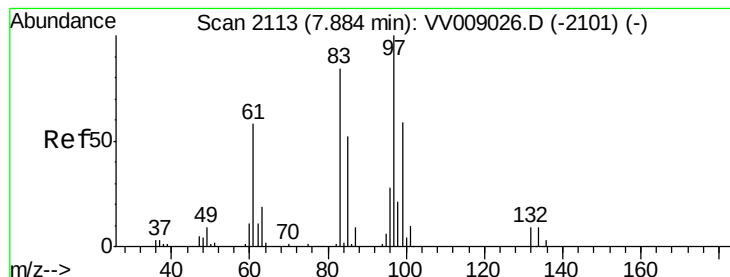


#45

trans-1,3-Dichloropropene
Concen: 0.556 ug/L
RT: 7.67 min Scan# 2046
Delta R.T. -0.03 min
Lab File: VV009039.D
Acq: 19 Dec 2018 03:22

Tgt Ion: 75 Resp: 1649
Ion Ratio Lower Upper
75 100
77 43.2 23.6 43.8





#46

1,1,2-Trichloroethane

Concen: 18.907 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. 0.14 min

Lab File: VV009039.D

Acq: 19 Dec 2018 03:22

Instrument :

MSVOA_V

ClientSampleId :

BF040

Tgt Ion: 97 Resp: 36602

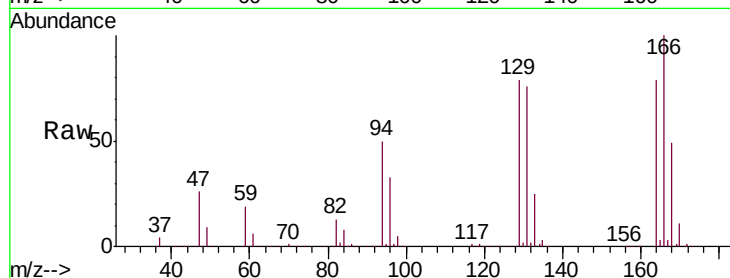
Ion Ratio Lower Upper

97 100

83 210.2 56.6 105.2#

85 34.7 36.6 68.0#

99 15.9 43.2 80.2#

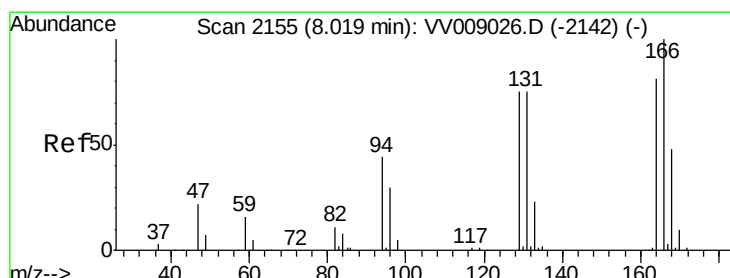
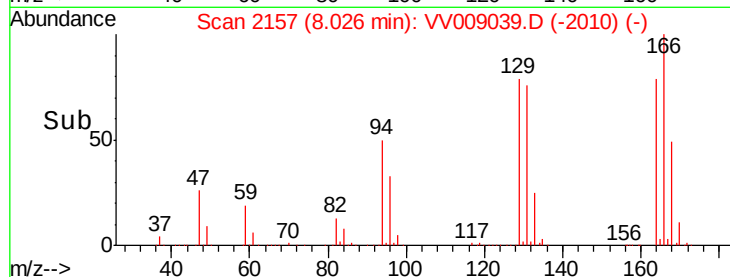
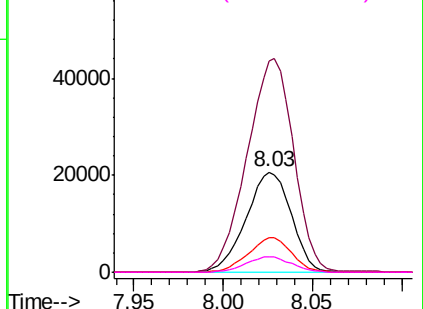


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 1745.888 ug/L

RT: 8.03 min Scan# 2158

Delta R.T. 0.01 min

Lab File: VV009039.D

Acq: 19 Dec 2018 03:22

Tgt Ion: 164 Resp: 4143888

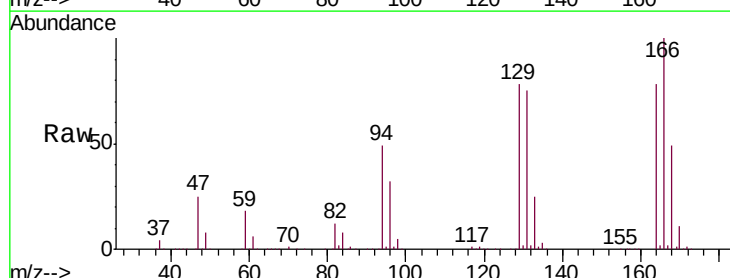
Ion Ratio Lower Upper

164 100

129 99.1 64.6 120.0

131 95.8 64.5 119.7

166 127.5 88.7 164.7

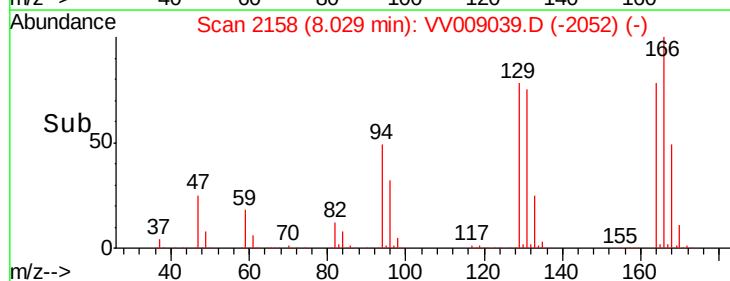
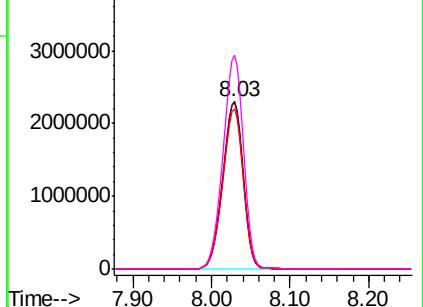


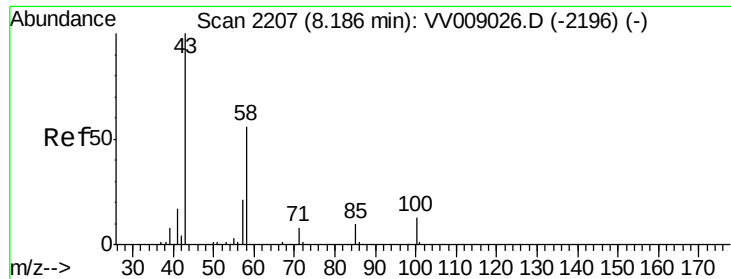
Abundance Ion 164.00 (163.70 to 164.70): V

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





#49

2-Hexanone

Concen: 4.039 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.01 min

Lab File: VV009039.D

Acq: 19 Dec 2018 03:22

Instrument :

MSVOA_V

ClientSampleId :

BF040

Tgt Ion: 43 Resp: 5247

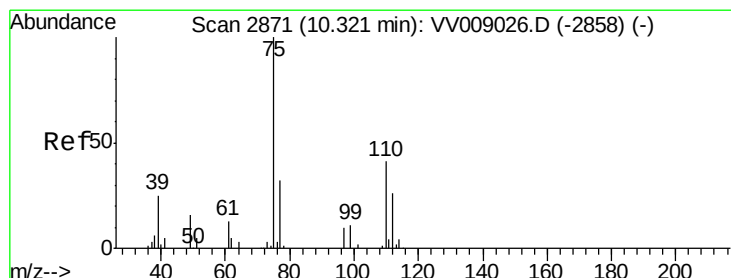
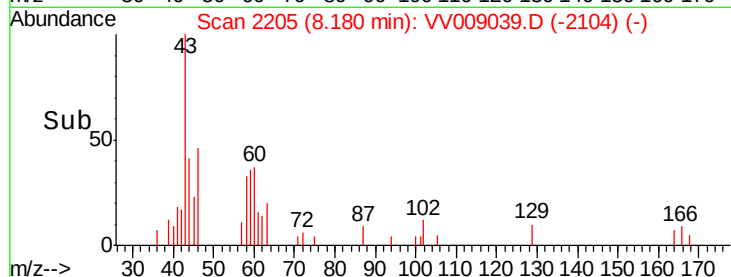
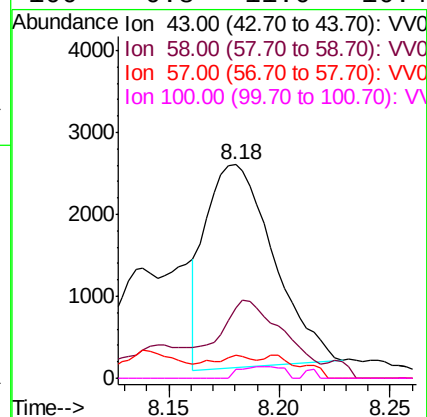
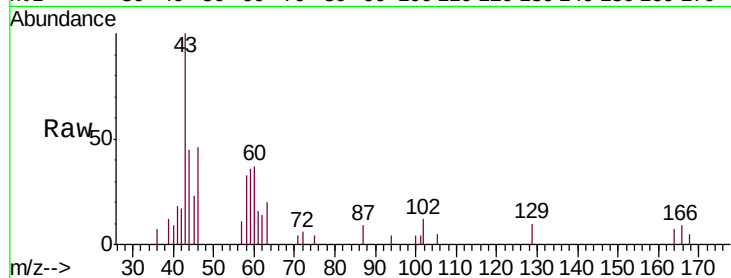
Ion Ratio Lower Upper

43 100

58 34.8 43.9 65.9#

57 2.9 15.7 23.5#

100 0.8 11.0 16.4#



#59

1,2,3-Trichloropropane

Concen: 2.458 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009039.D

Acq: 19 Dec 2018 03:22

Tgt Ion: 75 Resp: 4451

Ion Ratio Lower Upper

75 100

77 33.9 25.6 38.4

