

Data File : VV009967.D
Acq On : 28 Mar 2019 15:54
Operator : SY/MD
Sample : K2101-17
Misc : 5.90G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0F7

Quant Time: Mar 29 02:23:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 29 02:19:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	177649	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	181958	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74957	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80851	22.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.72%
7) Chloroethane-d5	1.56	69	96966	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.60%
10) 1,1-Dichloroethene-d2	2.12	63	182272	18.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.92%
20) 2-Butanone-d5	3.93	46	35308	52.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.12%
24) Chloroform-d	4.40	84	106646	23.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.24%
26) 1,2-Dichloroethane-d4	5.08	65	76181	27.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.88%
29) Benzene-d6	5.10	84	252542	26.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.72%
33) 1,2-Dichloropropane-d6	6.12	67	75584	27.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.16%
37) Toluene-d8	7.36	98	224928	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.48%
38) trans-1,3-Dichloropropene-	7.66	79	27353	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.68%
39) 2-Hexanone-d5	8.13	63	26642	51.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	66919	24.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.72%
61) 1,2-Dichlorobenzene-d4	11.68	152	74414	26.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.32%

Target Compounds

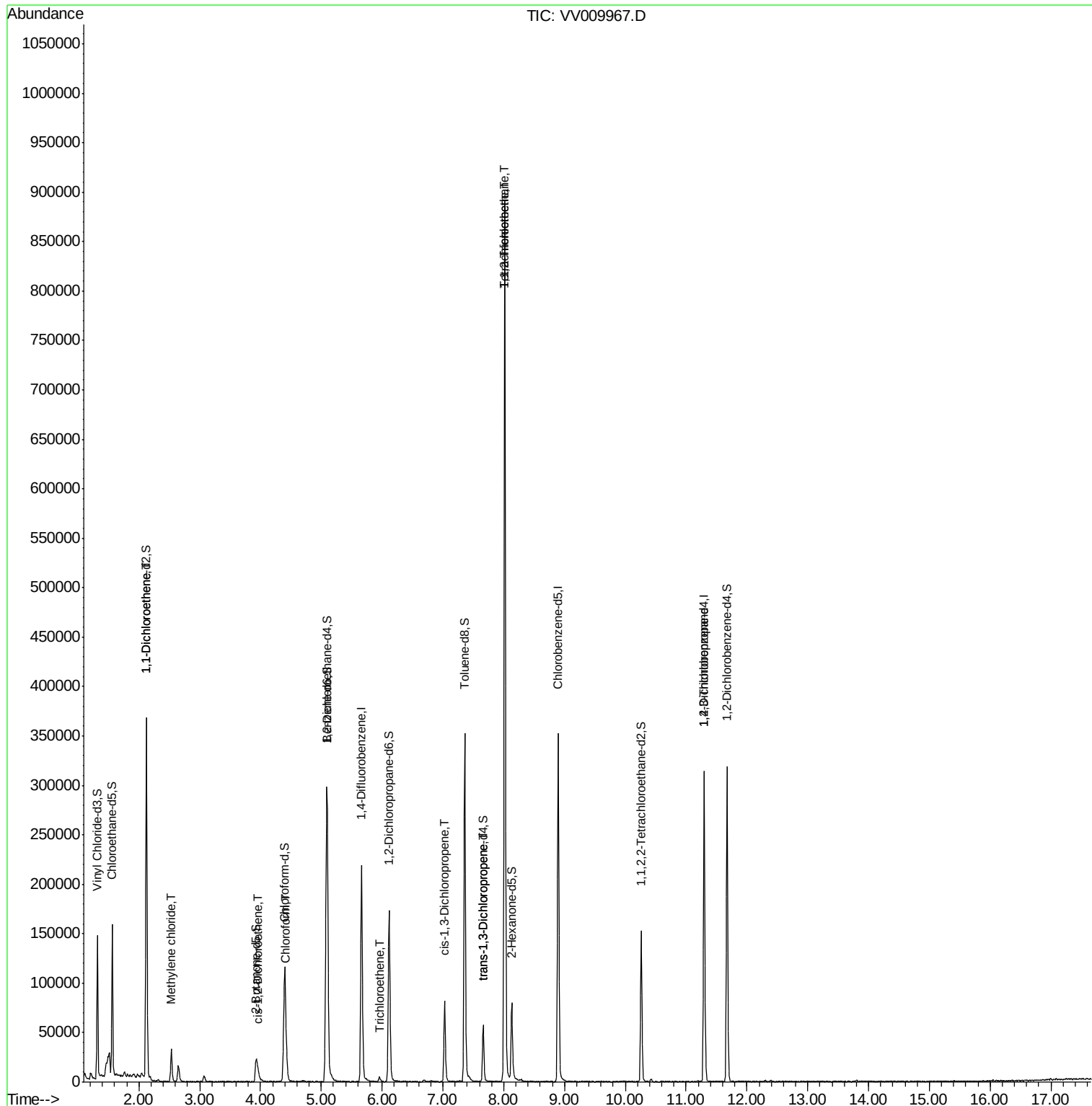
					Qvalue
12) 1,1-Dichloroethene	2.13	96	1955	0.450 ug/L #	1
16) Methylene chloride	2.53	84	12171	4.160 ug/L	94
22) cis-1,2-Dichloroethene	3.97	96	1491	0.580 ug/L #	63
25) Chloroform	4.42	83	15828	3.363 ug/L	91
35) Trichloroethene	5.96	95	1005	0.381 ug/L	85
42) cis-1,3-Dichloropropene	7.03	75	2866	0.787 ug/L	91
45) trans-1,3-Dichloropropene	7.66	75	1522	0.511 ug/L	89
46) 1,1,2-Trichloroethane	8.02	97	2088	1.011 ug/L #	22
47) Tetrachloroethene	8.02	164	174395	83.852 ug/L	96
59) 1,2,3-Trichloropropane	11.30	75	11540	5.744 ug/L	93

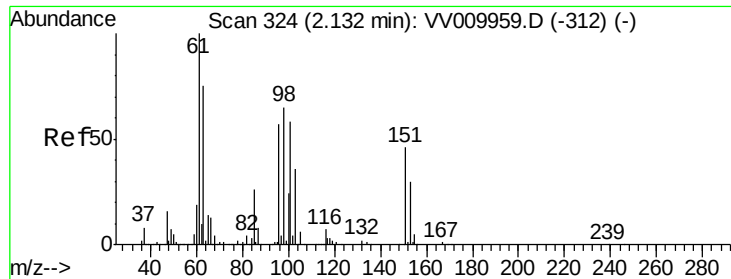
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.450 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV009967.D

Acq: 28 Mar 2019 15:54

Instrument :
MSVOA_V
ClientSampleId :
BF0F7

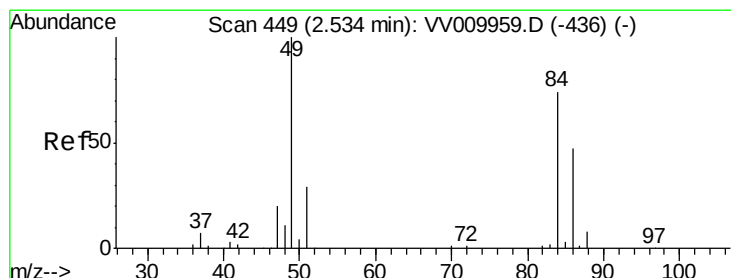
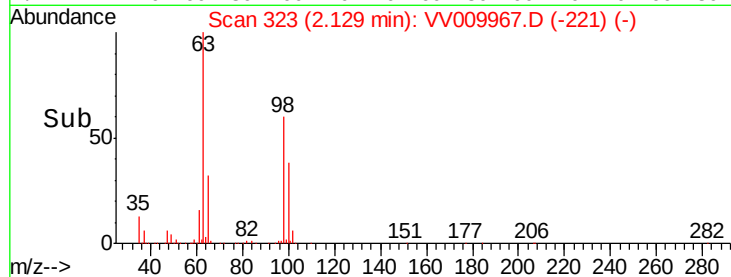
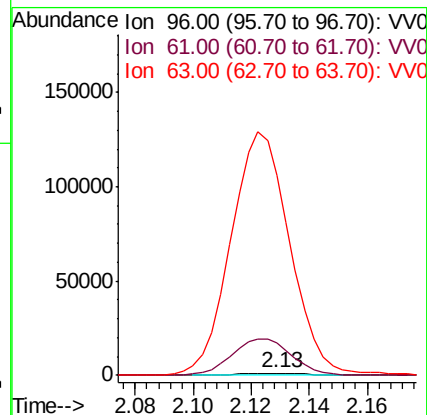
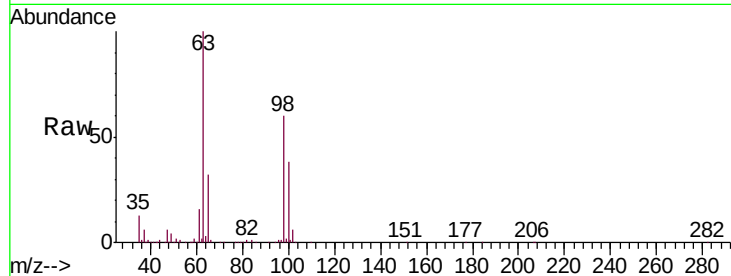
Tgt Ion: 96 Resp: 1955

Ion Ratio Lower Upper

96 100

61 1441.9 124.3 230.8#

63 9084.0 88.2 163.8#



#16

Methylene chloride

Concen: 4.160 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009967.D

Acq: 28 Mar 2019 15:54

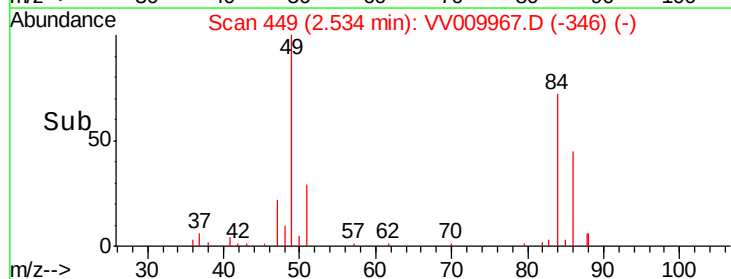
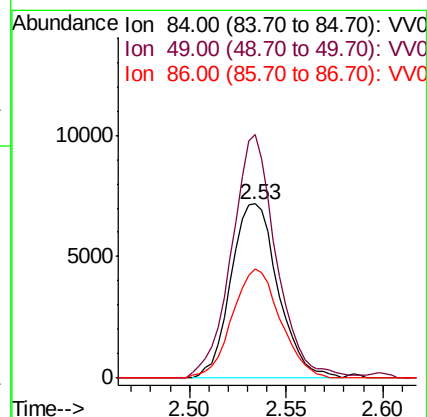
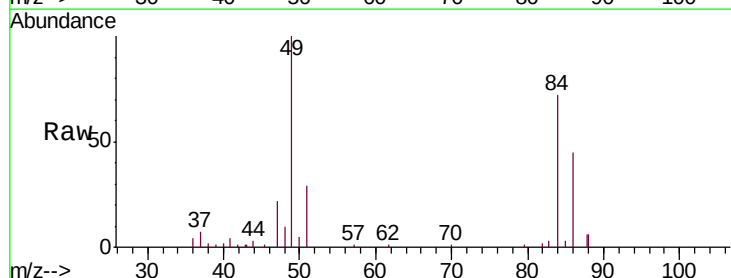
Tgt Ion: 84 Resp: 12171

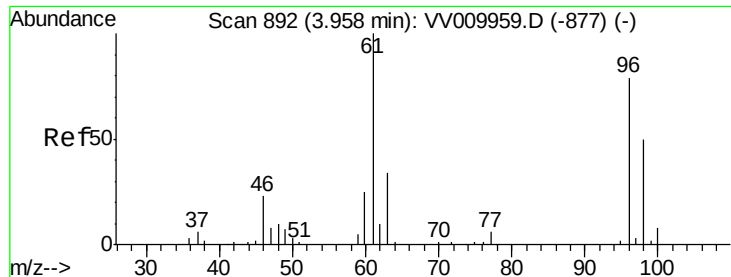
Ion Ratio Lower Upper

84 100

49 139.6 90.4 167.8

86 62.3 44.0 81.6



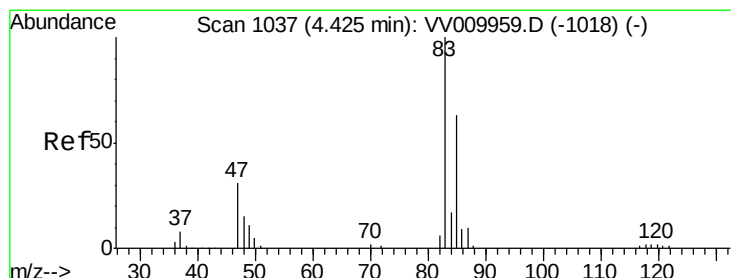
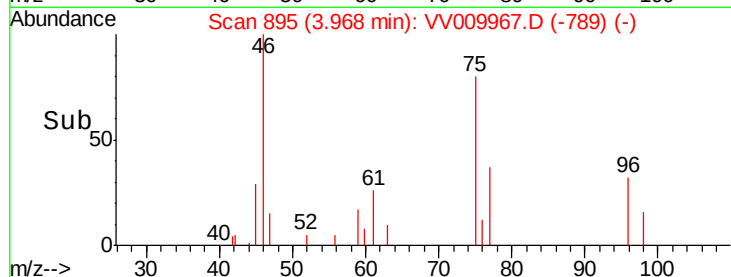
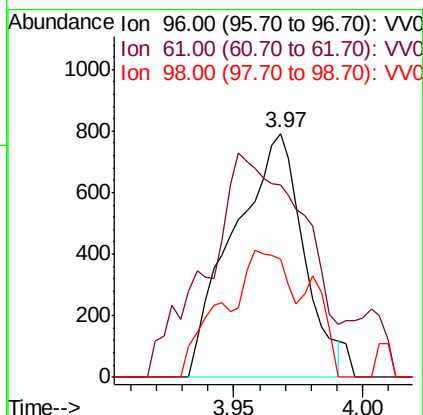
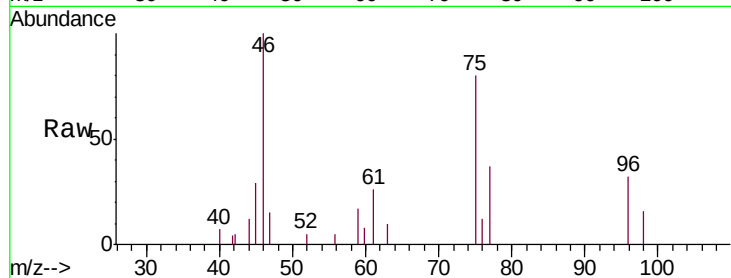


#22

cis-1,2-Dichloroethene
 Concen: 0.580 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV009967.D
 Acq: 28 Mar 2019 15:54

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0F7

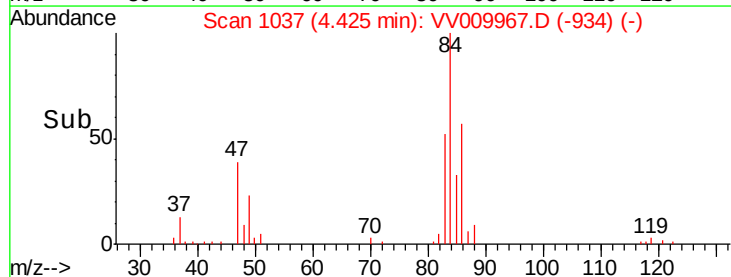
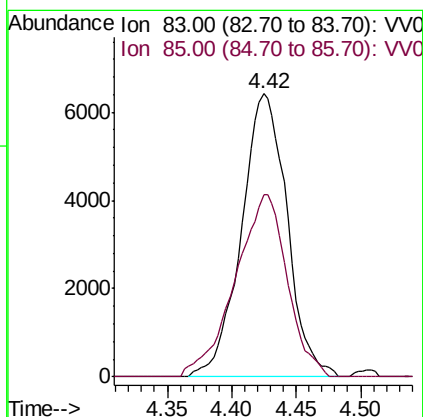
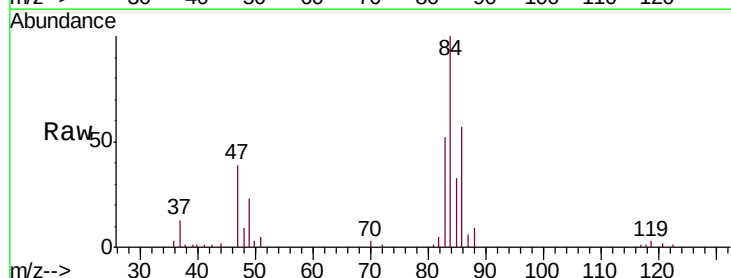
Tgt Ion: 96 Resp: 1491
 Ion Ratio Lower Upper
 96 100
 61 79.1 91.4 169.8#
 98 48.3 48.0 89.2

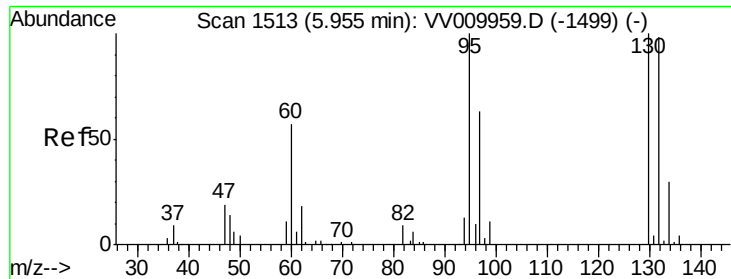


#25

Chloroform
 Concen: 3.363 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV009967.D
 Acq: 28 Mar 2019 15:54

Tgt Ion: 83 Resp: 15828
 Ion Ratio Lower Upper
 83 100
 85 73.3 46.1 85.7

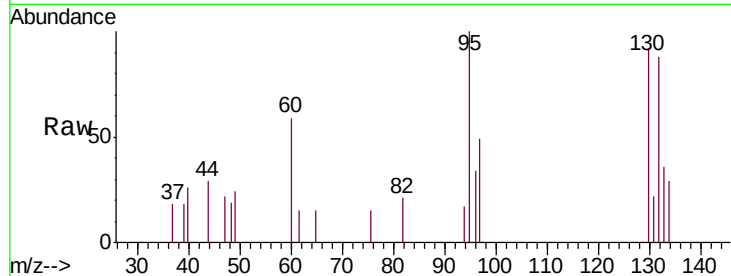




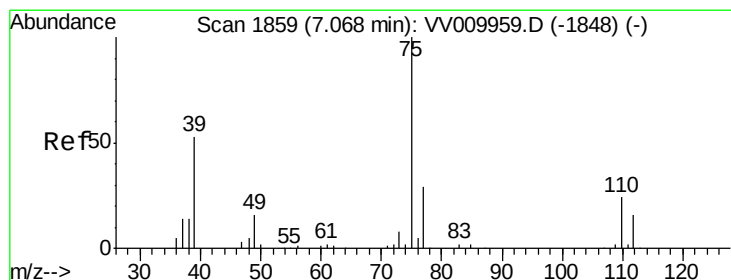
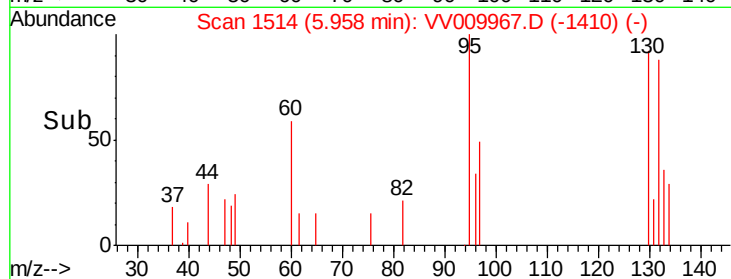
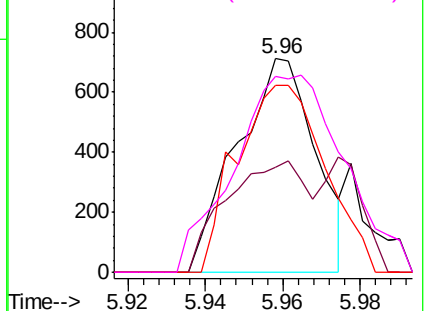
#35
 Trichloroethene
 Concen: 0.381 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009967.D
 Acq: 28 Mar 2019 15:54

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0F7

Tgt Ion: 95 Resp: 1005
 Ion Ratio Lower Upper
 95 100
 97 53.7 46.3 85.9
 132 98.3 69.3 128.7
 130 128.9 69.5 129.1

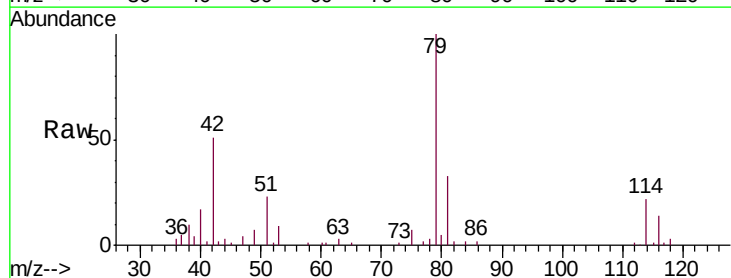


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

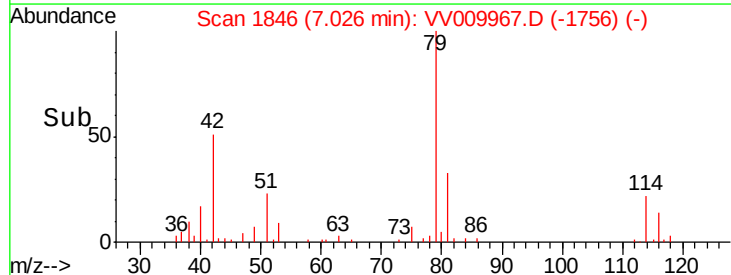
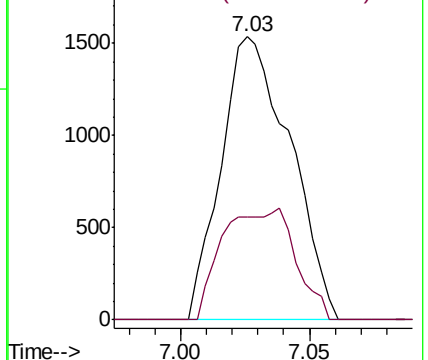


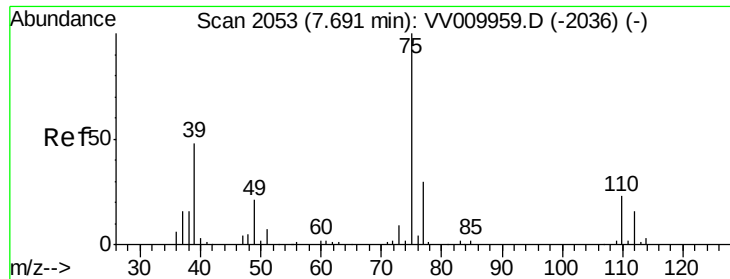
#42
 cis-1,3-Dichloropropene
 Concen: 0.787 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV009967.D
 Acq: 28 Mar 2019 15:54

Tgt Ion: 75 Resp: 2866
 Ion Ratio Lower Upper
 75 100
 77 36.4 21.8 40.6



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: 0.511 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009967.D

Acq: 28 Mar 2019 15:54

Instrument :

MSVOA_V

ClientSampled :

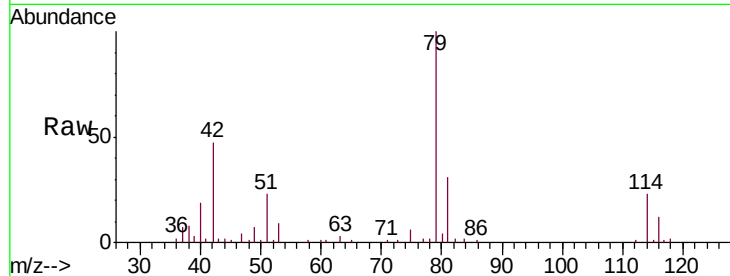
BF0F7

Tgt Ion: 75 Resp: 1522

Ion Ratio Lower Upper

75 100

77 35.4 20.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

1200

1000

800

600

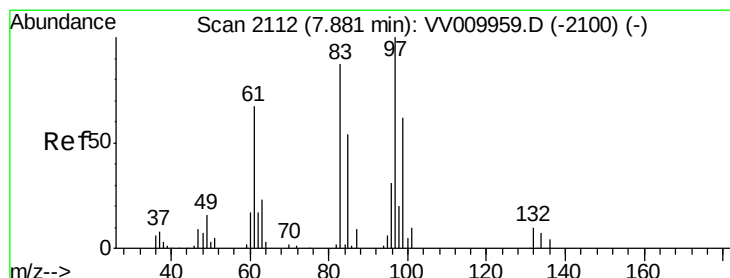
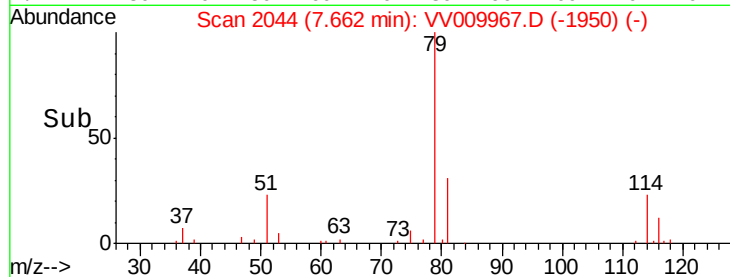
400

200

0

7.62 7.64 7.66 7.68

Time-->



#46

1,1,2-Trichloroethane

Concen: 1.011 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.13 min

Lab File: VV009967.D

Acq: 28 Mar 2019 15:54

Tgt Ion: 97 Resp: 2088

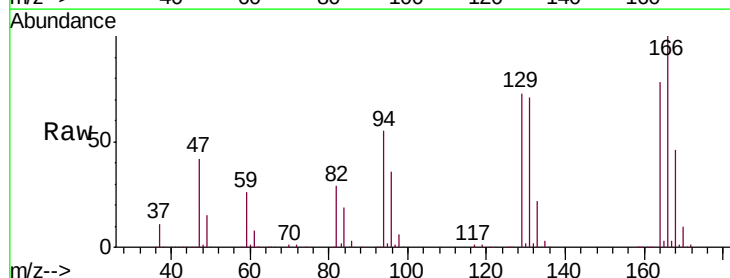
Ion Ratio Lower Upper

97 100

83 195.6 59.6 110.8#

85 39.0 39.2 72.8#

99 9.8 42.6 79.2#



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

4000

3000

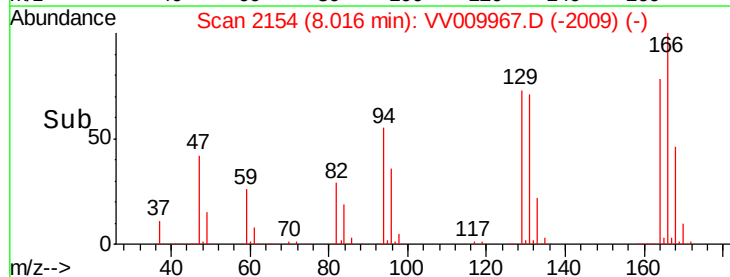
2000

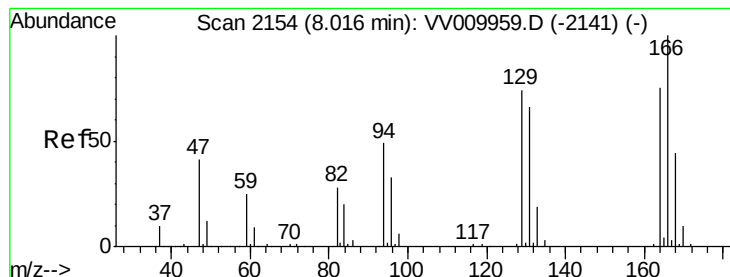
1000

0

8.00 8.02 8.05

Time-->





#47

Tetrachloroethene

Concen: 83.852 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009967.D

Acq: 28 Mar 2019 15:54

Instrument :

MSVOA_V

ClientSampleId :

BF0F7

Tgt Ion:164 Resp: 174395

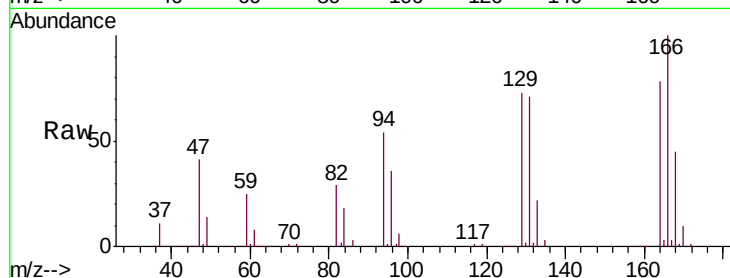
Ion Ratio Lower Upper

164 100

129 93.2 64.9 120.5

131 90.0 62.0 115.2

166 127.5 82.9 153.9

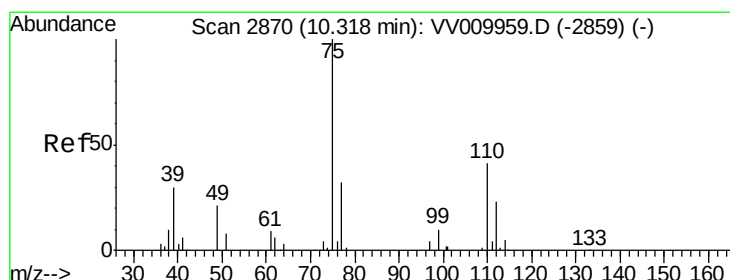
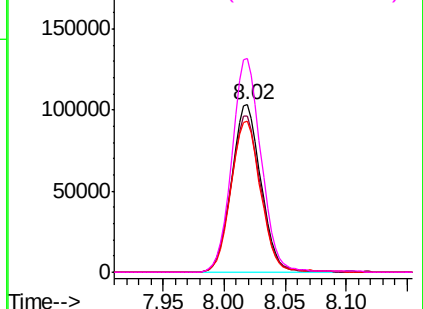
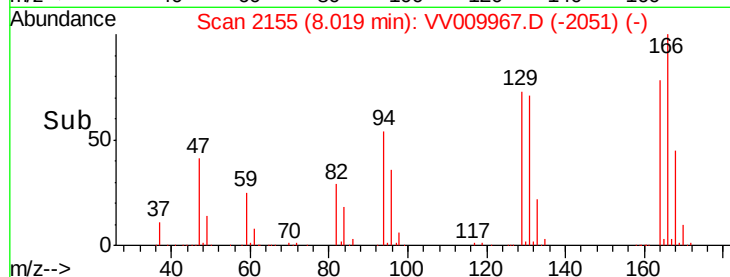


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.744 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009967.D

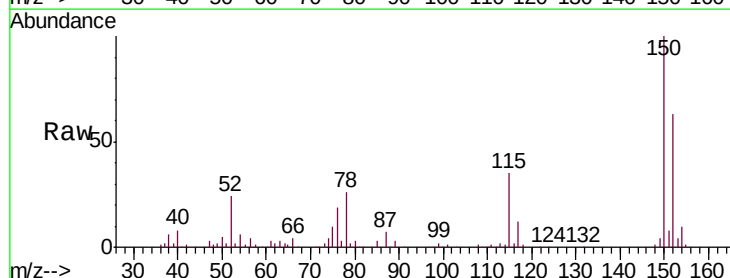
Acq: 28 Mar 2019 15:54

Tgt Ion: 75 Resp: 11540

Ion Ratio Lower Upper

75 100

77 36.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

