

Data File : VV009943.D
Acq On : 27 Mar 2019 23:03
Operator : SY/MD
Sample : K2128-05
Misc : 6.16G/10mL/MSVOA_V/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0M0

Quant Time: Mar 28 07:21:00 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	5.67	114	152728	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	152595	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61523	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68742	22.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.72%
7) Chloroethane-d5	1.57	69	79020	23.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.44%
10) 1,1-Dichloroethene-d2	2.05	63	223	0.03	ug/L	-0.07
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.12%#
20) 2-Butanone-d5	3.93	46	27419	47.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.96%
24) Chloroform-d	4.40	84	76455	19.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.60%
26) 1,2-Dichloroethane-d4	5.08	65	60639	25.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.60%
29) Benzene-d6	5.10	84	201788	25.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.72%
33) 1,2-Dichloropropane-d6	6.12	67	63268	26.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.96%
37) Toluene-d8	7.36	98	178434	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.08%
38) trans-1,3-Dichloropropene-	7.66	79	19071	19.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.52%
39) 2-Hexanone-d5	8.13	63	20154	46.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.10%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	52115	22.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.80%
61) 1,2-Dichlorobenzene-d4	11.67	152	62041	26.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.96%

Target Compounds

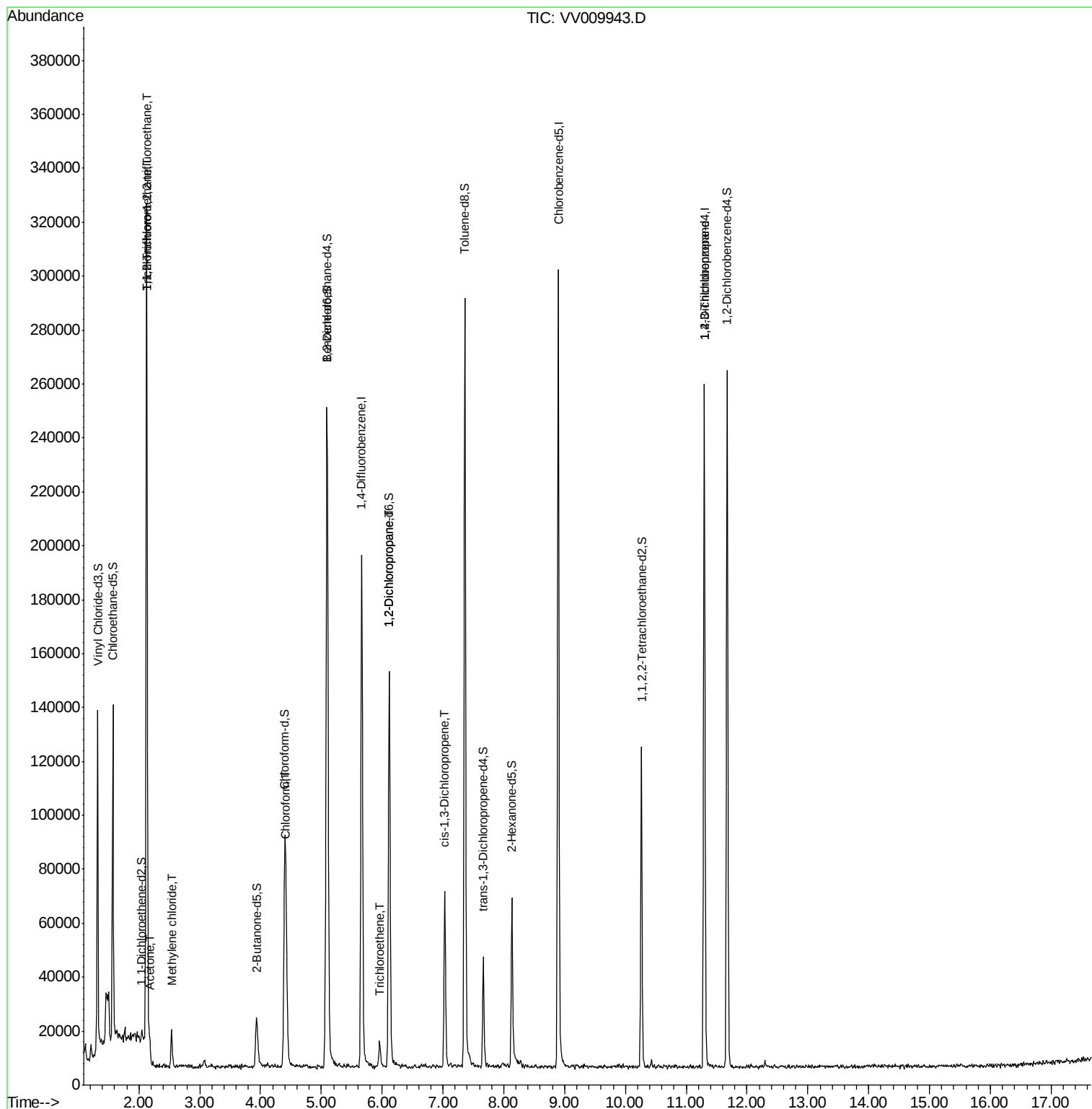
						Qvalue
9) Trichlorofluoromethane	2.13	101	4556	0.601	ug/L	81
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4556	1.034	ug/L #	74
13) Acetone	2.18	43	778	0.890	ug/L	69
16) Methylene chloride	2.53	84	4948	1.967	ug/L	95
25) Chloroform	4.43	83	23354	5.772	ug/L	96
35) Trichloroethene	5.96	95	2481	1.122	ug/L #	80
40) 1,2-Dichloropropane	6.12	63	7932	3.788	ug/L #	92
42) cis-1,3-Dichloropropene	7.03	75	2344	0.768	ug/L	96
59) 1,2,3-Trichloropropane	11.30	75	10035	5.957	ug/L	99

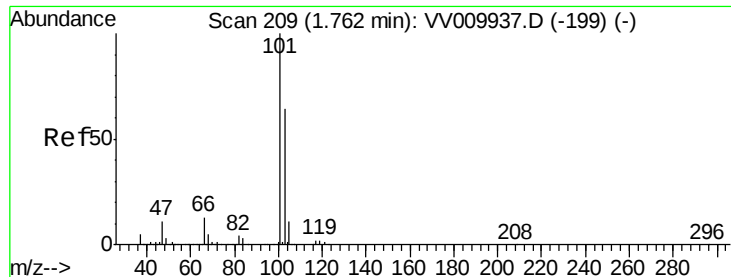
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 28 07:17:22 2019
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.601 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.37 min

Lab File: VV009943.D

Acq: 27 Mar 2019 23:03

Instrument :

MSVOA_V

ClientSampleId :

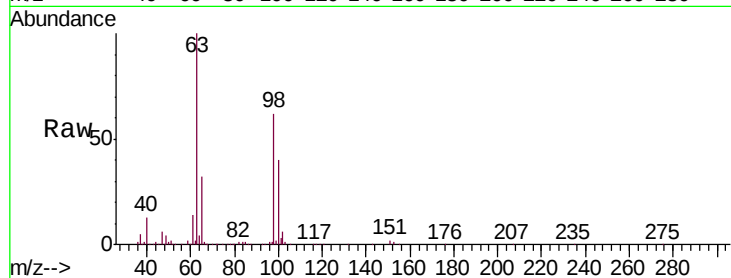
BF0M0

Tgt Ion:101 Resp: 4556

Ion Ratio Lower Upper

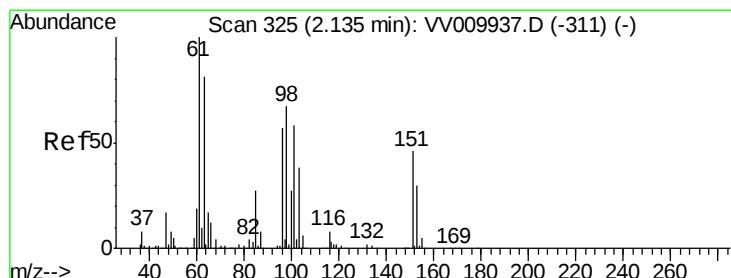
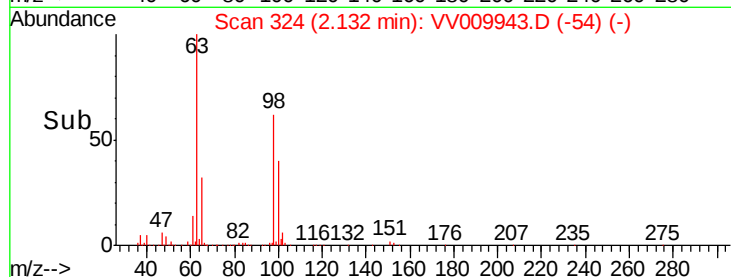
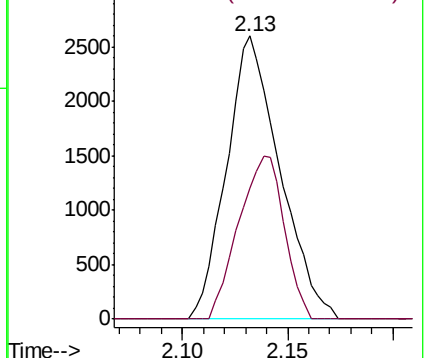
101 100

103 49.2 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.034 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009943.D

Acq: 27 Mar 2019 23:03

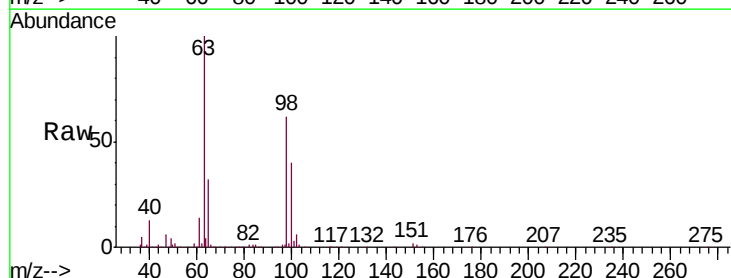
Tgt Ion:101 Resp: 4556

Ion Ratio Lower Upper

101 100

85 28.6 36.9 55.3#

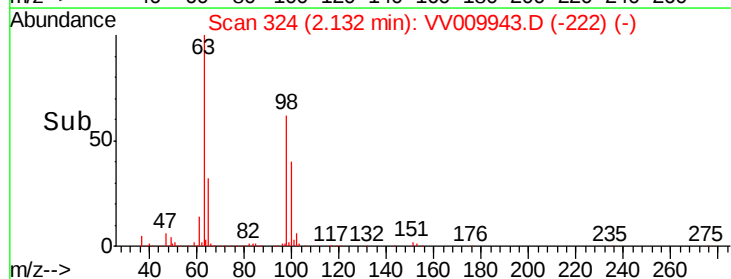
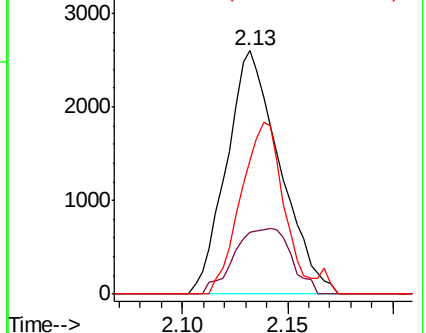
151 57.0 63.6 95.4#

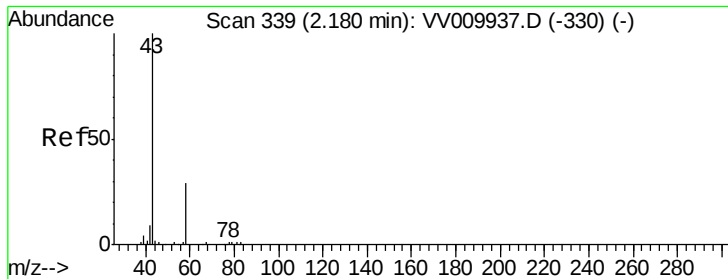


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 0.890 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV009943.D

Acq: 27 Mar 2019 23:03

Instrument :

MSVOA_V

ClientSampleId :

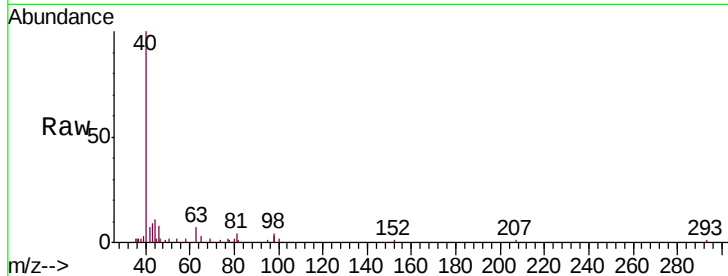
BF0M0

Tgt Ion: 43 Resp: 778

Ion Ratio Lower Upper

43 100

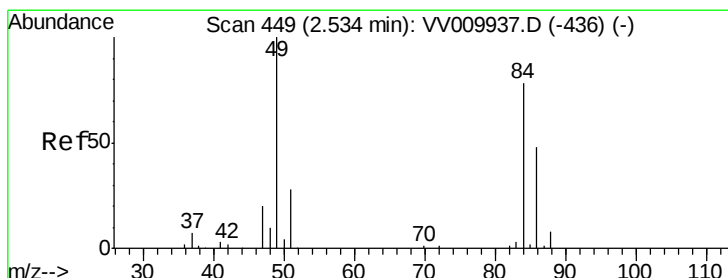
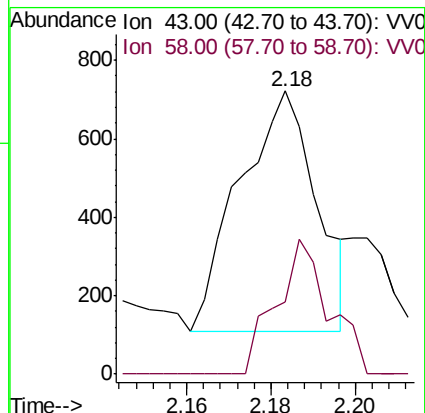
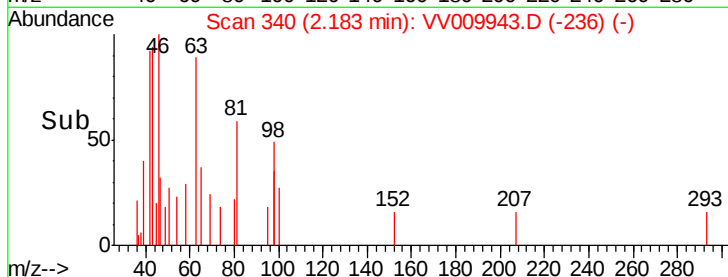
58 13.2 0.0 59.4



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

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

Time-->



#16

Methylene chloride

Concen: 1.967 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009943.D

Acq: 27 Mar 2019 23:03

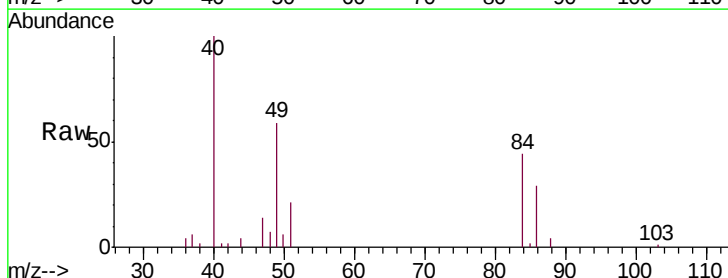
Tgt Ion: 84 Resp: 4948

Ion Ratio Lower Upper

84 100

49 134.7 90.4 167.8

86 66.3 44.0 81.6

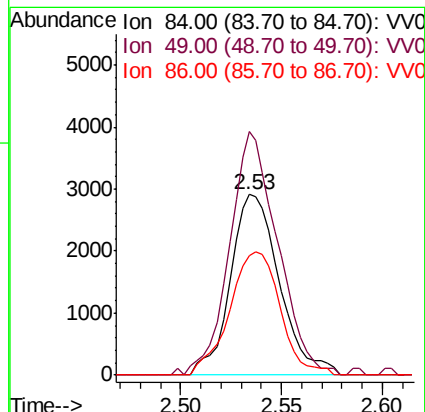
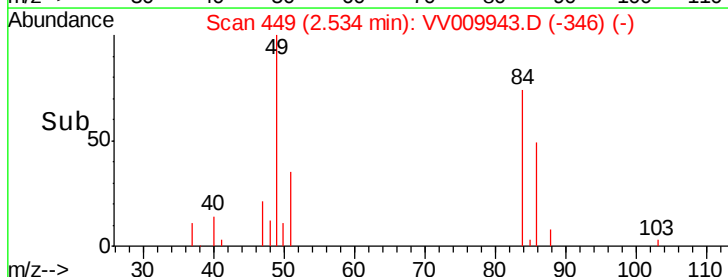


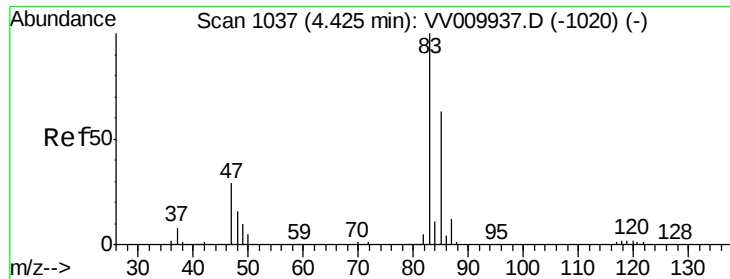
Abundance Ion 84.00 (83.70 to 84.70): VV009937.D (-436) (-)

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

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

Time-->





#25

Chloroform

Concen: 5.772 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV009943.D

Acq: 27 Mar 2019 23:03

Instrument :

MSVOA_V

ClientSampled :

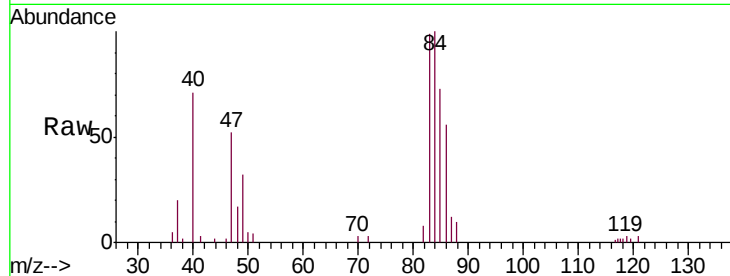
BF0M0

Tgt Ion: 83 Resp: 23354

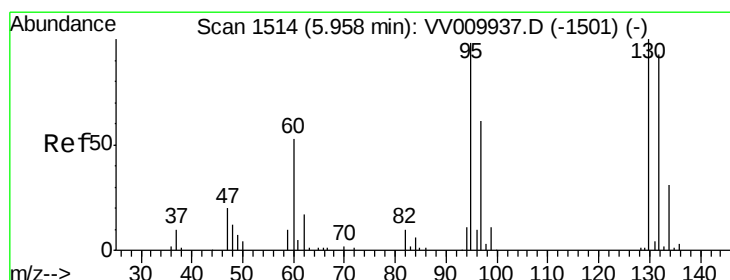
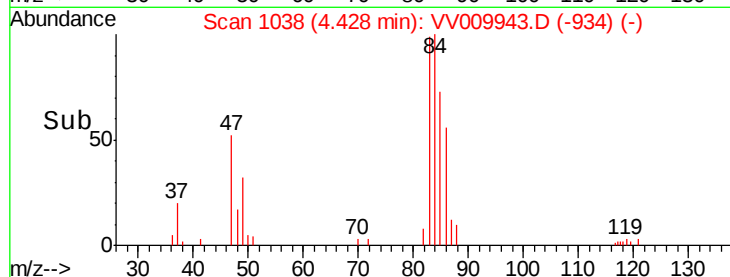
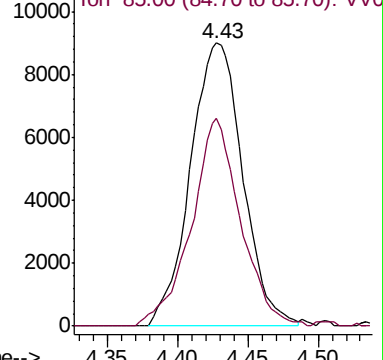
Ion Ratio Lower Upper

83 100

85 68.8 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV009943.D (-934) (-)



#35

Trichloroethene

Concen: 1.122 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009943.D

Acq: 27 Mar 2019 23:03

Tgt Ion: 95 Resp: 2481

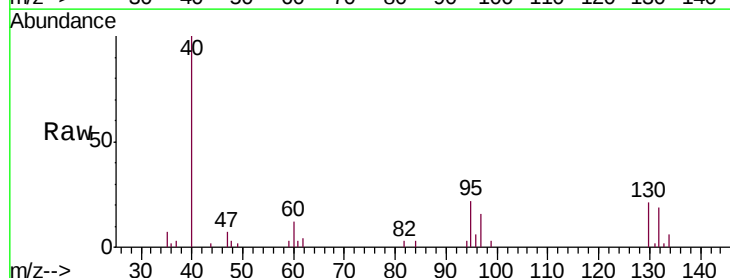
Ion Ratio Lower Upper

95 100

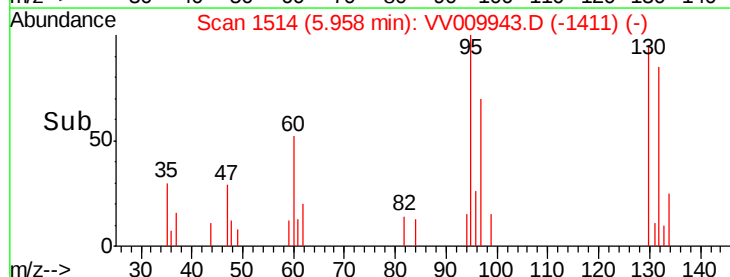
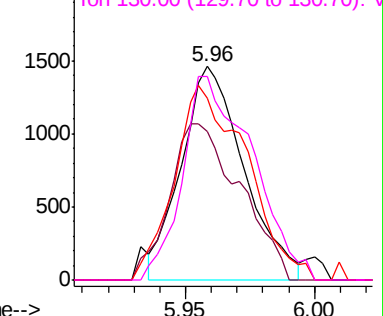
97 82.1 46.3 85.9

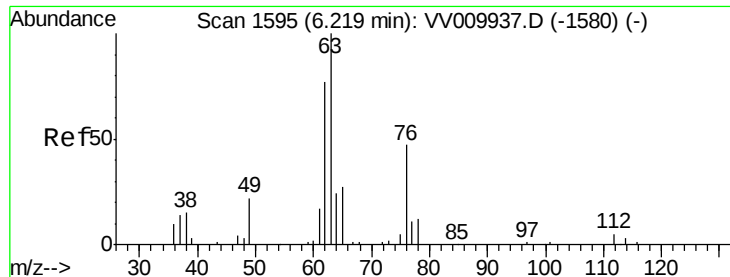
132 66.7 69.3 128.7#

130 106.0 69.5 129.1



Abundance Ion 95.00 (94.70 to 95.70): VV009943.D (-1411) (-)

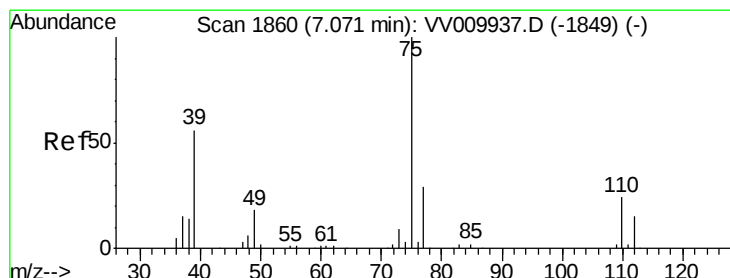
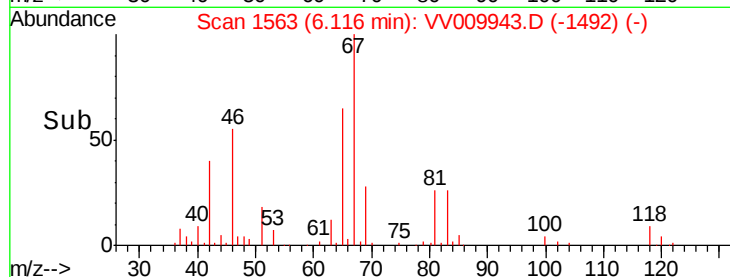
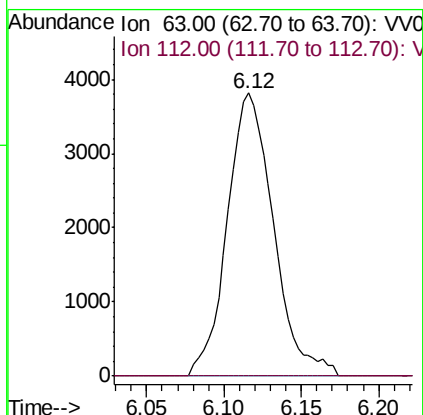
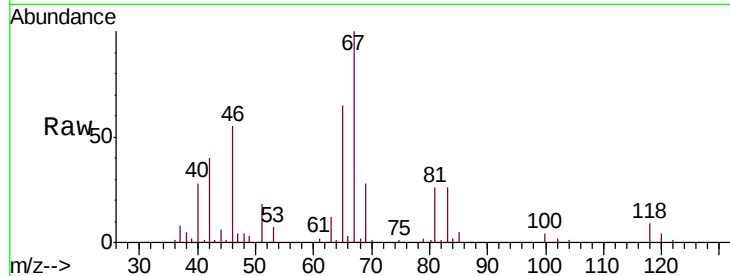




#40
 1,2-Dichloropropane
 Concen: 3.788 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009943.D
 Acq: 27 Mar 2019 23:03

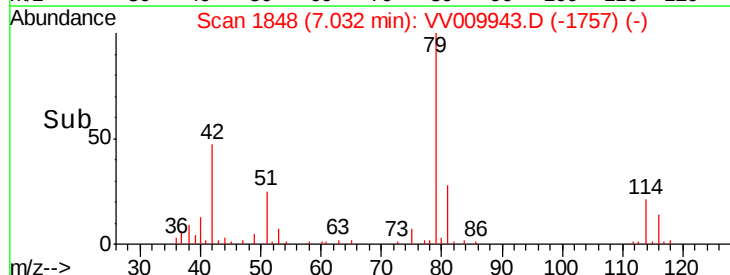
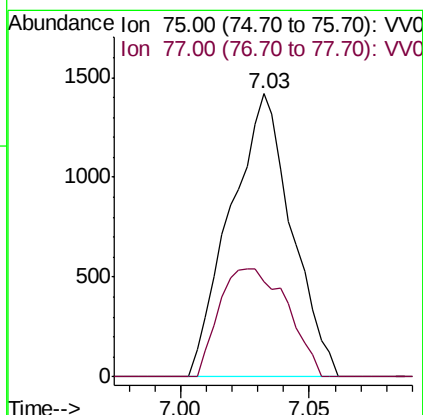
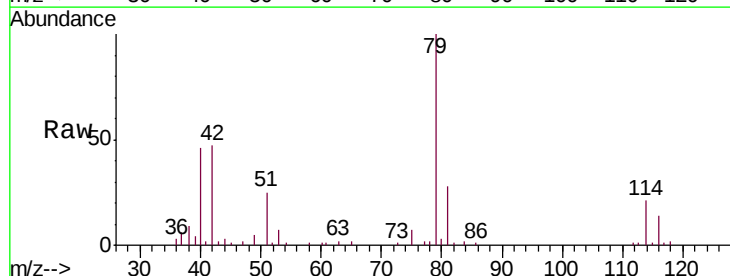
Instrument :
 MSVOA_V
 ClientSampleId :
 BF0M0

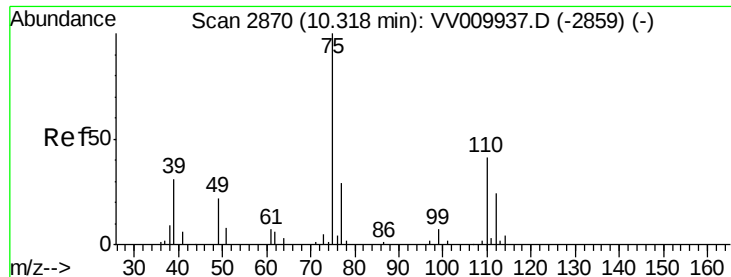
Tgt Ion: 63 Resp: 7932
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.1 3.1#



#42
 cis-1,3-Dichloropropene
 Concen: 0.768 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009943.D
 Acq: 27 Mar 2019 23:03

Tgt Ion: 75 Resp: 2344
 Ion Ratio Lower Upper
 75 100
 77 33.4 21.8 40.6





#59

1,2,3-Trichloropropane

Concen: 5.957 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009943.D

Acq: 27 Mar 2019 23:03

Instrument :

MSVOA_V

ClientSampleId :

BF0M0

Tgt Ion: 75 Resp: 10035

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2

