

Data File : VV009942.D
Acq On : 27 Mar 2019 22:37
Operator : SY/MD
Sample : K2128-04
Misc : 5.24G/10mL/MSVOA_V/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0L9

Quant Time: Mar 28 07:20:48 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	137401	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	120946	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	38886	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66547	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.48%
7) Chloroethane-d5	1.56	69	76386	25.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.48%
10) 1,1-Dichloroethene-d2	2.12	63	148383	19.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.80%
20) 2-Butanone-d5	3.93	46	27901	53.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.40%
24) Chloroform-d	4.40	84	91880	26.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.08	65	56194	26.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.68%
29) Benzene-d6	5.10	84	189890	29.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	119.60%
33) 1,2-Dichloropropane-d6	6.12	67	58651	31.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	126.24%#
37) Toluene-d8	7.36	98	158257	26.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.28%
38) trans-1,3-Dichloropropene-	7.66	79	18403	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.84%
39) 2-Hexanone-d5	8.13	63	20164	58.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.26%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47772	25.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	36838	24.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.52%

Target Compounds

						Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2225	0.562	ug/L #	46
12) 1,1-Dichloroethene	2.12	96	1546	0.460	ug/L #	1
13) Acetone	2.19	43	2746	3.491	ug/L	81
16) Methylene chloride	2.53	84	4085	1.805	ug/L	85
22) cis-1,2-Dichloroethene	3.96	96	2821	1.419	ug/L	94
25) Chloroform	4.42	83	3621	0.995	ug/L	99
35) Trichloroethene	5.96	95	7776	4.439	ug/L	92
40) 1,2-Dichloropropane	6.12	63	6950	4.188	ug/L #	92
42) cis-1,3-Dichloropropene	7.02	75	1077	0.445	ug/L #	41
59) 1,2,3-Trichloropropane	11.30	75	6331	4.741	ug/L	96

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

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ALS Vial      : 23      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
BF0L9

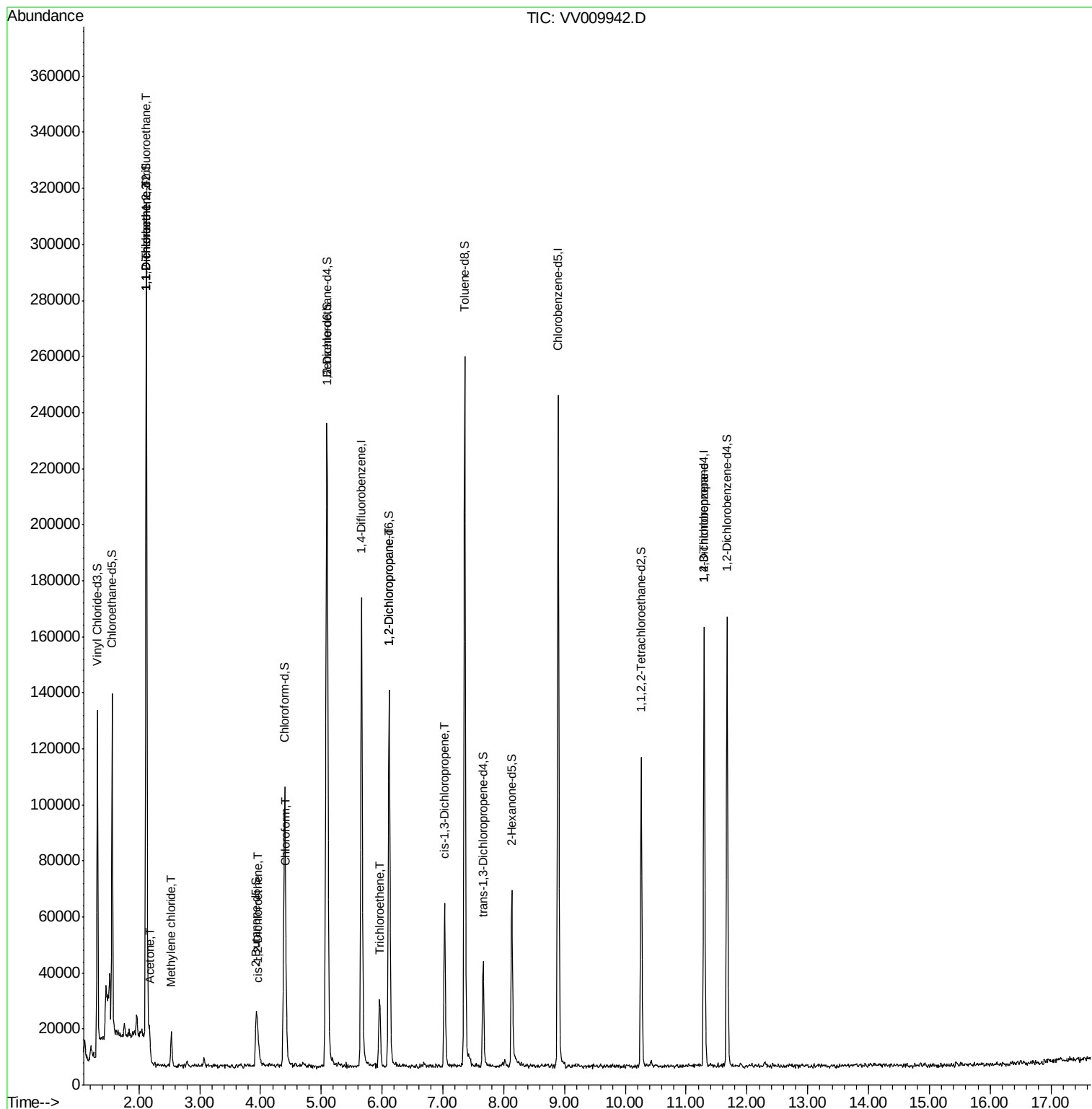
Quant Time: Mar 28 07:20:48 2019

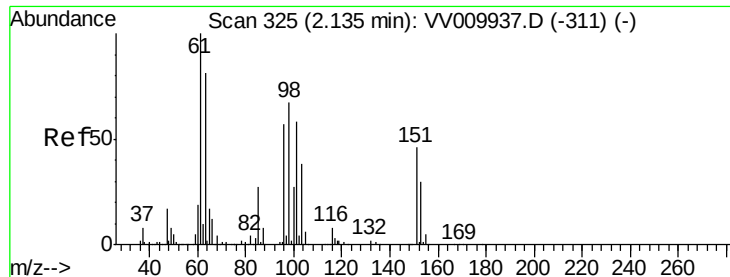
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM032619S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 28 07:17:22 2019

Response via : Initial Calibration





#11

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

Concen: 0.562 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009942.D

Acq: 27 Mar 2019 22:37

Instrument :

MSVOA_V

ClientSampleId :

BF0L9

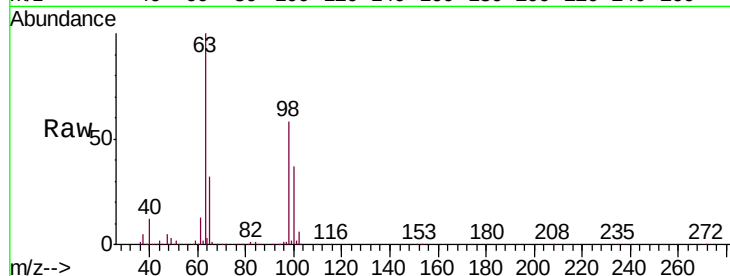
Tgt Ion:101 Resp: 2225

Ion Ratio Lower Upper

101 100

85 19.2 36.9 55.3#

151 24.8 63.6 95.4#



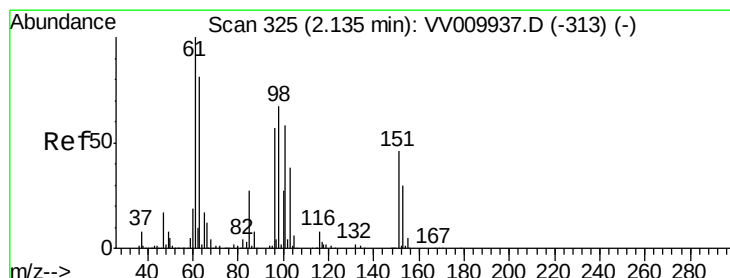
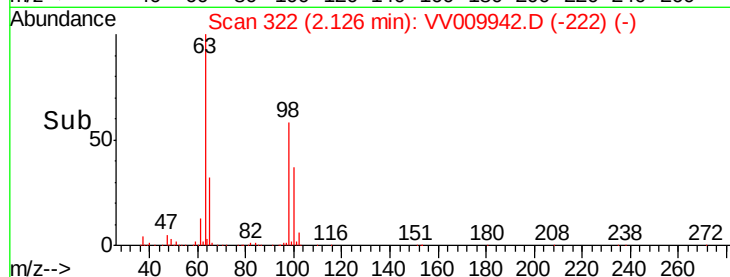
Abundance Ion 101.00 (100.70 to 101.70): VV009937.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV009937.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV009937.D (-311) (-)

Time-->

2.10 2.15



#12

1,1-Dichloroethene

Concen: 0.460 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009942.D

Acq: 27 Mar 2019 22:37

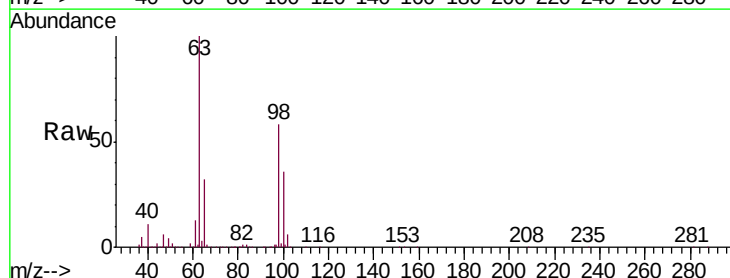
Tgt Ion: 96 Resp: 1546

Ion Ratio Lower Upper

96 100

61 1373.5 124.3 230.8#

63 10391.4 88.2 163.8#



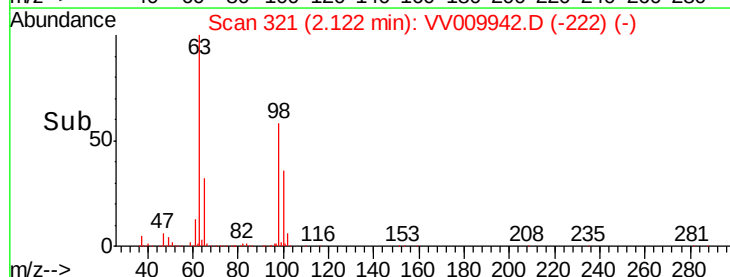
Abundance Ion 96.00 (95.70 to 96.70): VV009937.D (-313) (-)

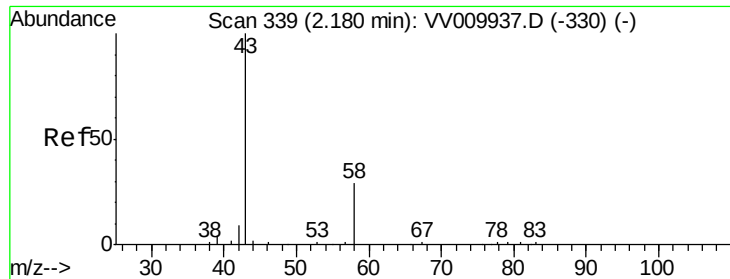
Ion 61.00 (60.70 to 61.70): VV009937.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV009937.D (-313) (-)

Time-->

2.10 2.15





#13

Acetone

Concen: 3.491 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV009942.D

Acq: 27 Mar 2019 22:37

Instrument :

MSVOA_V

ClientSampled :

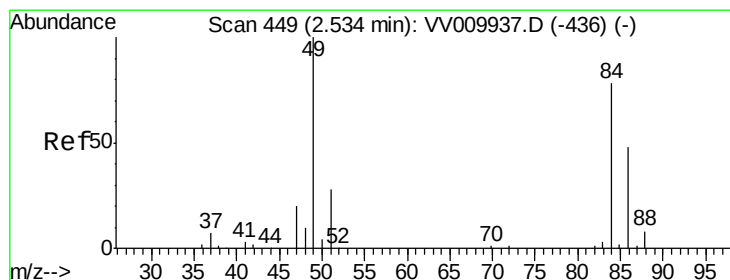
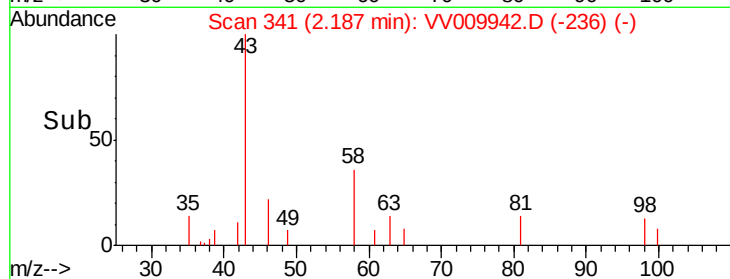
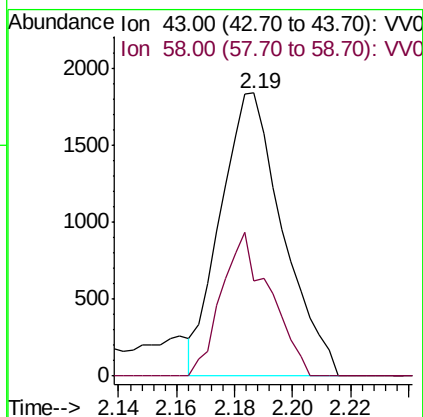
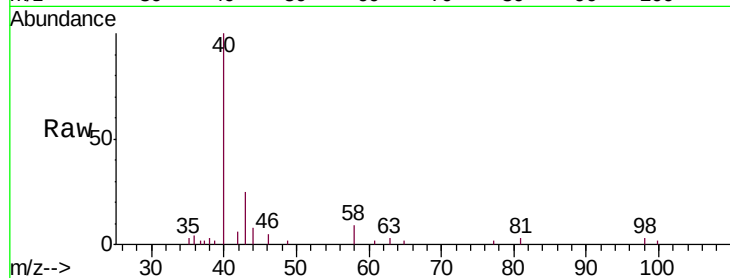
BF0L9

Tgt Ion: 43 Resp: 2746

Ion Ratio Lower Upper

43 100

58 39.7 0.0 59.4



#16

Methylene chloride

Concen: 1.805 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009942.D

Acq: 27 Mar 2019 22:37

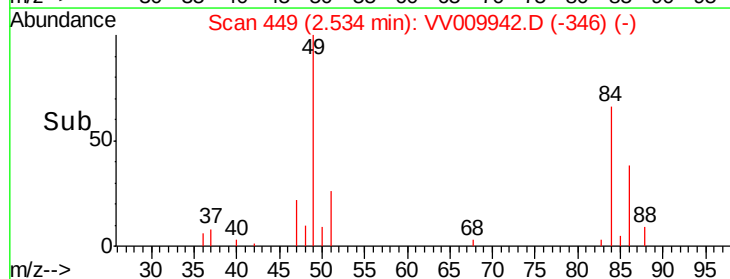
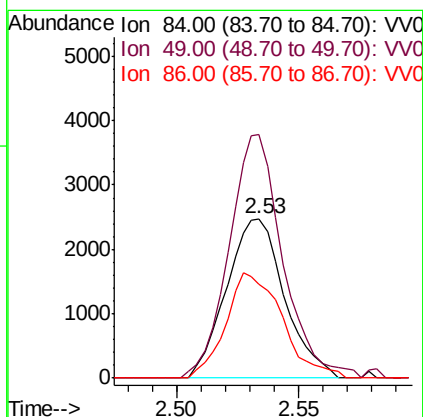
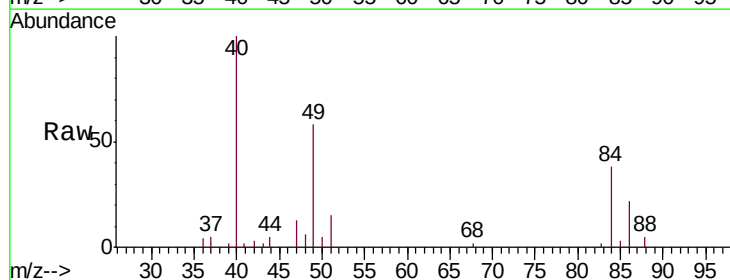
Tgt Ion: 84 Resp: 4085

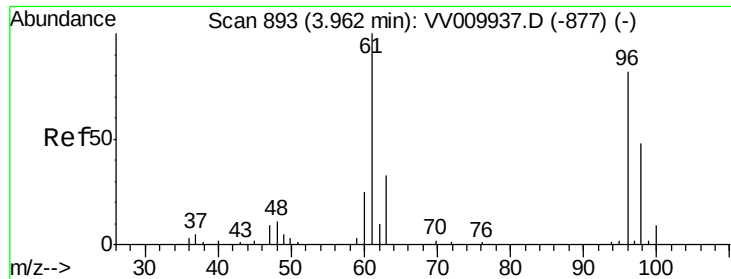
Ion Ratio Lower Upper

84 100

49 152.5 90.4 167.8

86 58.7 44.0 81.6



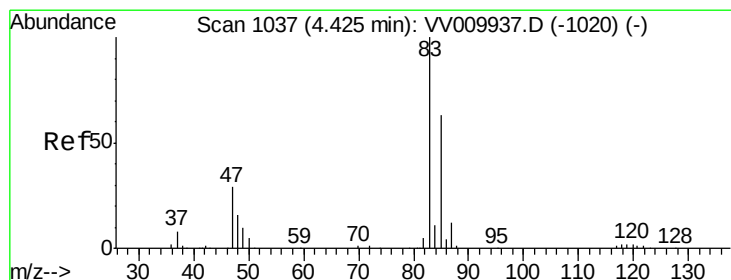
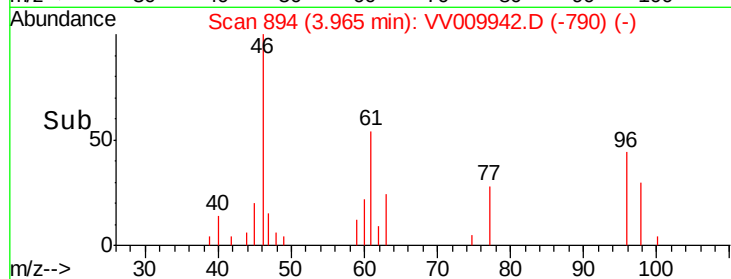
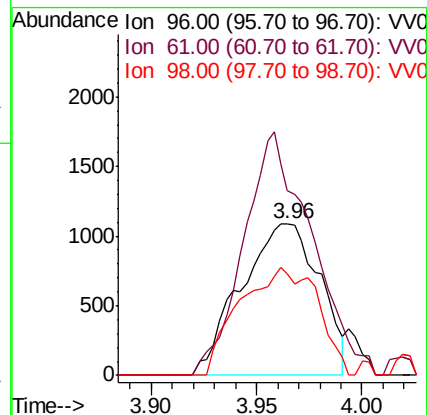
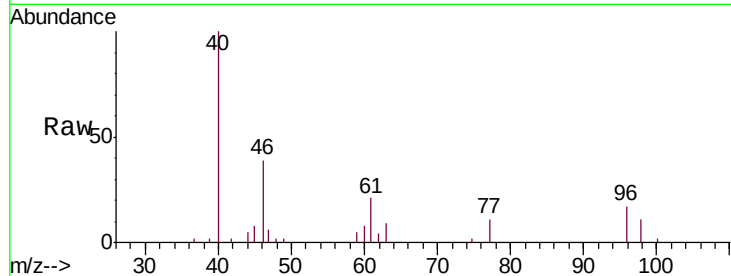


#22

cis-1,2-Dichloroethene
 Concen: 1.419 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV009942.D
 Acq: 27 Mar 2019 22:37

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0L9

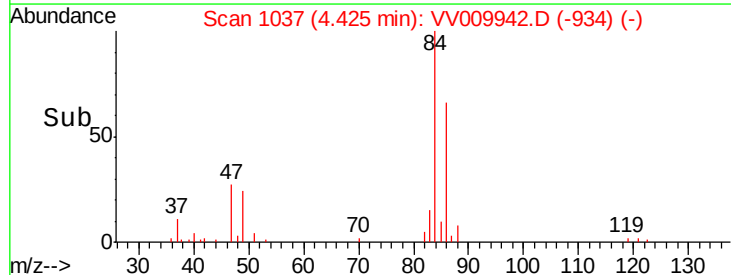
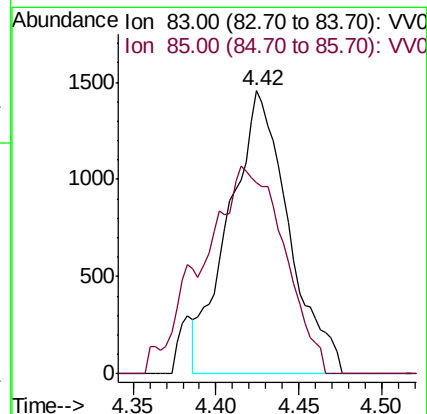
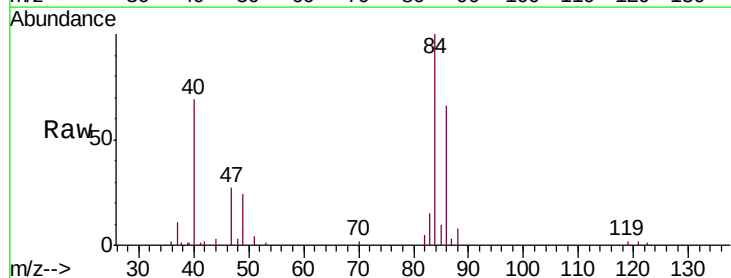
Tgt Ion: 96 Resp: 2821
 Ion Ratio Lower Upper
 96 100
 61 122.1 91.4 169.8
 98 66.6 48.0 89.2

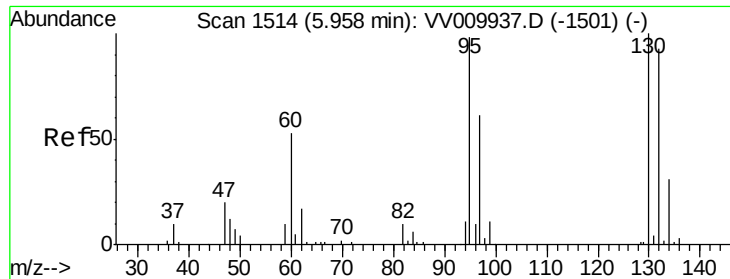


#25

Chloroform
 Concen: 0.995 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV009942.D
 Acq: 27 Mar 2019 22:37

Tgt Ion: 83 Resp: 3621
 Ion Ratio Lower Upper
 83 100
 85 65.3 46.1 85.7

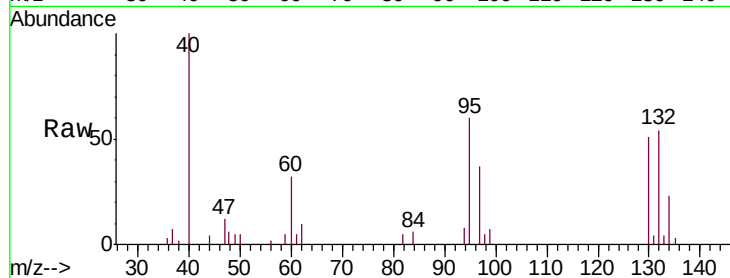




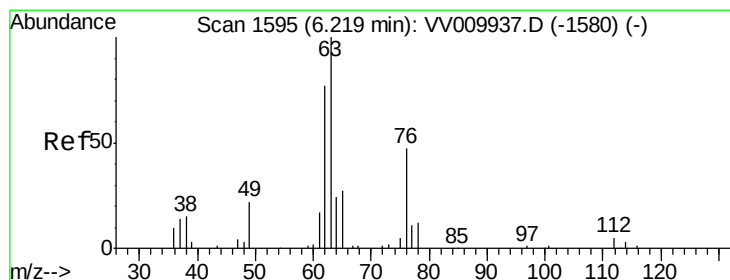
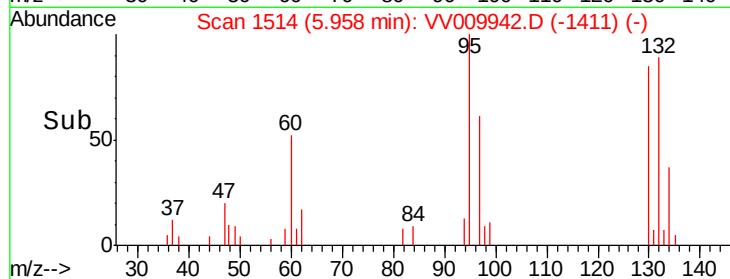
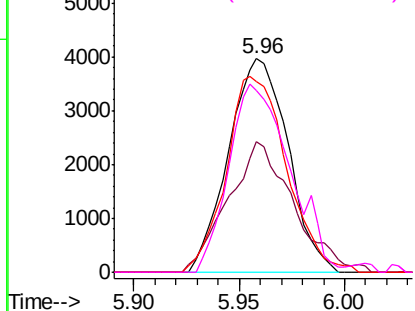
#35
 Trichloroethene
 Concen: 4.439 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009942.D
 Acq: 27 Mar 2019 22:37

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0L9

Tgt Ion: 95 Resp: 7776
 Ion Ratio Lower Upper
 95 100
 97 66.5 46.3 85.9
 132 93.0 69.3 128.7
 130 83.5 69.5 129.1

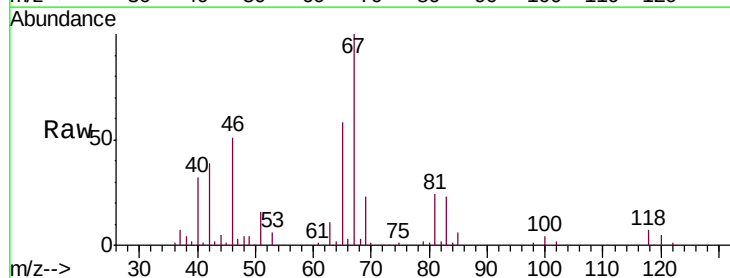


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

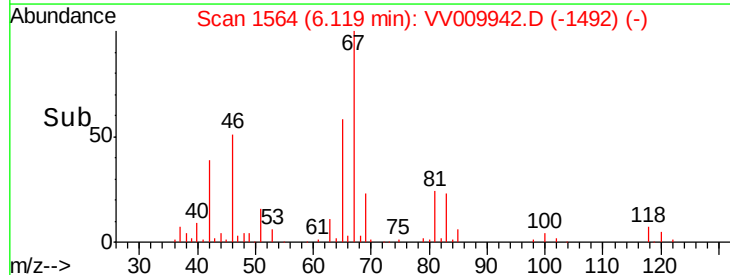
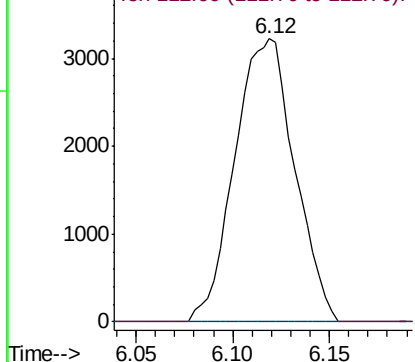


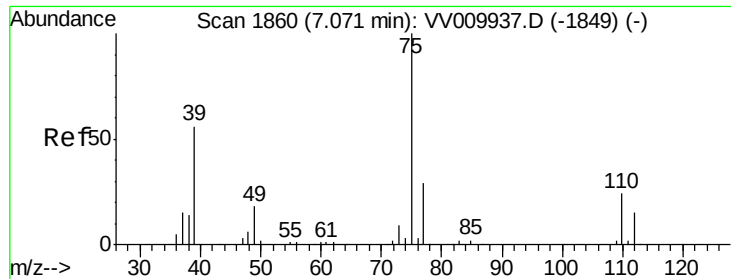
#40
 1,2-Dichloropropane
 Concen: 4.188 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV009942.D
 Acq: 27 Mar 2019 22:37

Tgt Ion: 63 Resp: 6950
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.1 3.1#



Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 112.00 (111.70 to 112.70): VV0



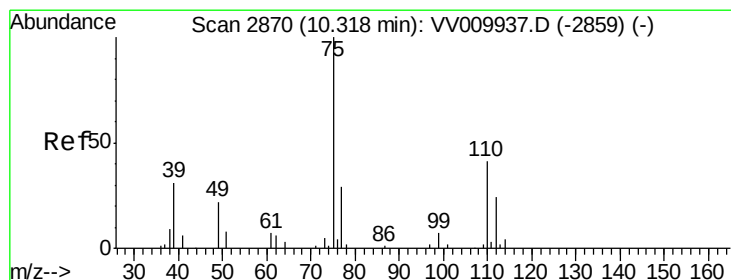
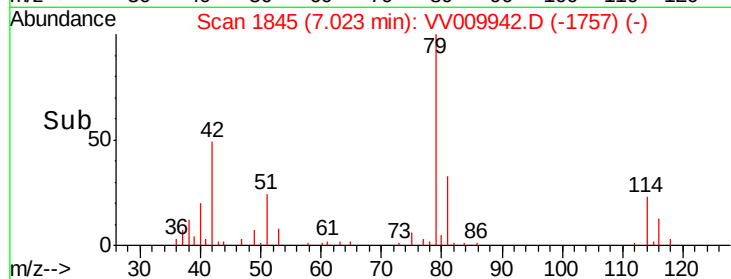
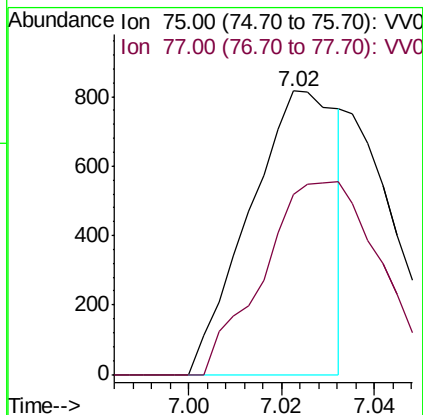
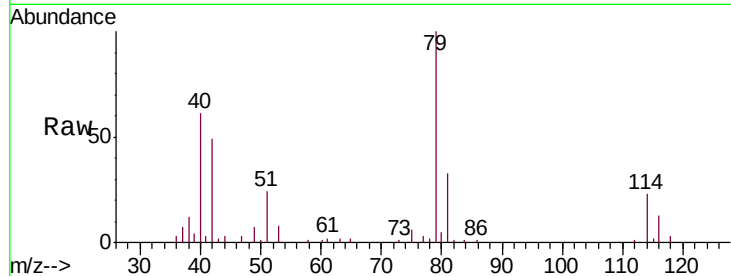


#42

cis-1,3-Dichloropropene
Concen: 0.445 ug/L
RT: 7.02 min Scan# 1845
Delta R.T. -0.05 min
Lab File: VV009942.D
Acq: 27 Mar 2019 22:37

Instrument :
MSVOA_V
ClientSampleId :
BF0L9

Tgt Ion: 75 Resp: 1077
Ion Ratio Lower Upper
75 100
77 63.5 21.8 40.6#



#59

1,2,3-Trichloropropane
Concen: 4.741 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.98 min
Lab File: VV009942.D
Acq: 27 Mar 2019 22:37

Tgt Ion: 75 Resp: 6331
Ion Ratio Lower Upper
75 100
77 35.1 26.2 39.2

