

Data File : VV009990.D
Acq On : 29 Mar 2019 03:07
Operator : SY/MD
Sample : K2120-03
Misc : 5.75G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5C6

Quant Time: Mar 29 04:25:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 29 04:20:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	77942	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	79749	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	25580	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	30463	19.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.04%
7) Chloroethane-d5	1.55	69	39244	22.97	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.88%
10) 1,1-Dichloroethene-d2	2.12	63	67123	15.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.04%
20) 2-Butanone-d5	3.92	46	16647	56.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.96%
24) Chloroform-d	4.39	84	55143	27.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.08%
26) 1,2-Dichloroethane-d4	5.08	65	39465	33.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	132.08%#
29) Benzene-d6	5.09	84	109811	26.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.88%
33) 1,2-Dichloropropane-d6	6.11	67	35946	29.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.36%
37) Toluene-d8	7.36	98	90611	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.44%
38) trans-1,3-Dichloropropene-	7.66	79	10920	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.16%
39) 2-Hexanone-d5	8.13	63	10072	44.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.08%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	31179	25.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.80%
61) 1,2-Dichlorobenzene-d4	11.68	152	25531	26.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.88%

Target Compounds

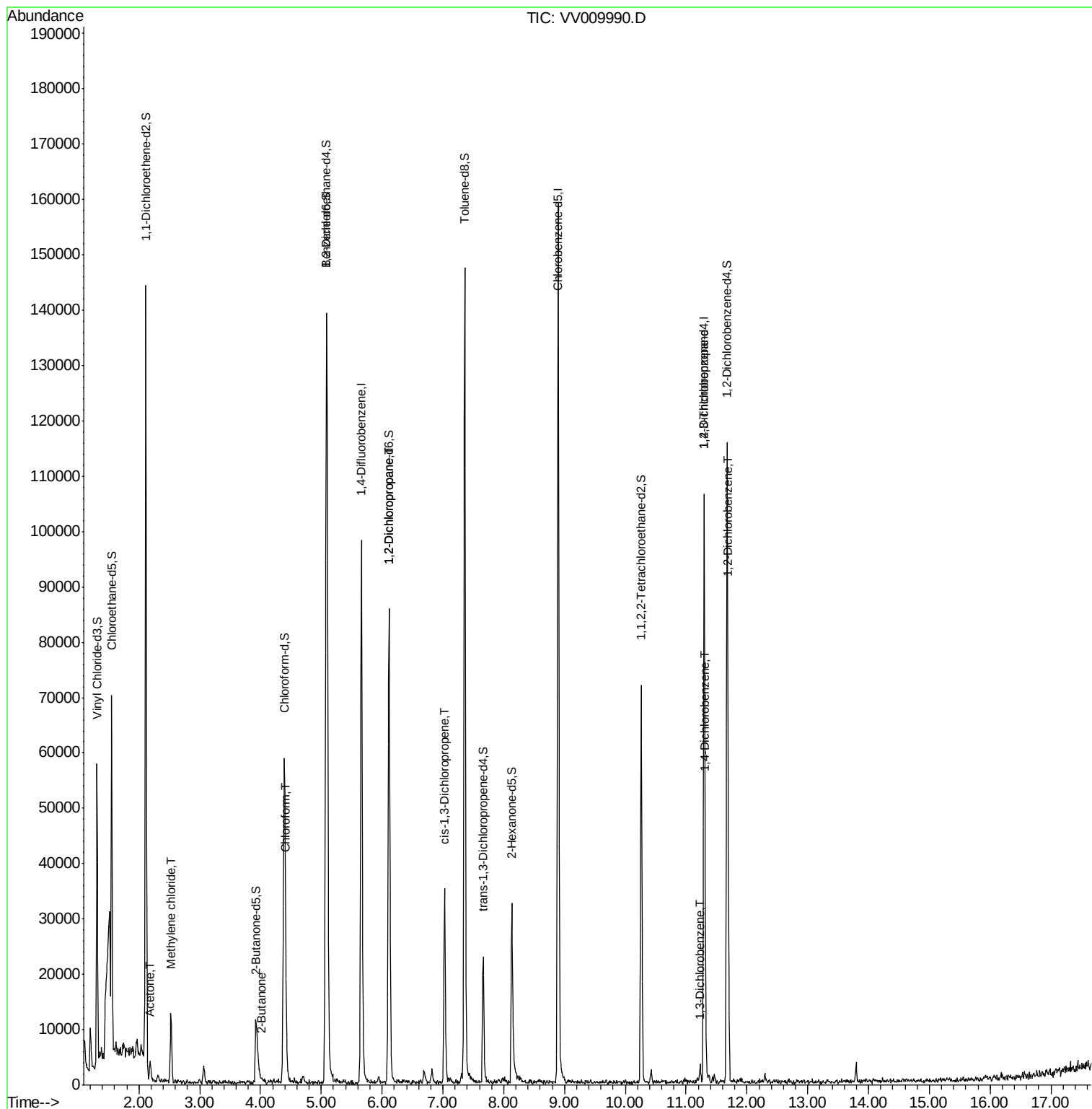
					Qvalue
13) Acetone	2.18	43	2662	5.965 ug/L	93
16) Methylene chloride	2.53	84	4760	3.708 ug/L	98
21) 2-Butanone	4.02	43	451	1.135 ug/L #	54
25) Chloroform	4.42	83	3591	1.739 ug/L #	31
40) 1,2-Dichloropropane	6.11	63	4337	3.963 ug/L #	92
42) cis-1,3-Dichloropropene	7.02	75	677	0.424 ug/L #	27
59) 1,2,3-Trichloropropane	11.30	75	4506	5.118 ug/L	91
63) 1,3-Dichlorobenzene	11.23	146	1237	0.782 ug/L #	78
64) 1,4-Dichlorobenzene	11.32	146	1135	0.660 ug/L	83
65) 1,2-Dichlorobenzene	11.69	146	8467	5.423 ug/L	98

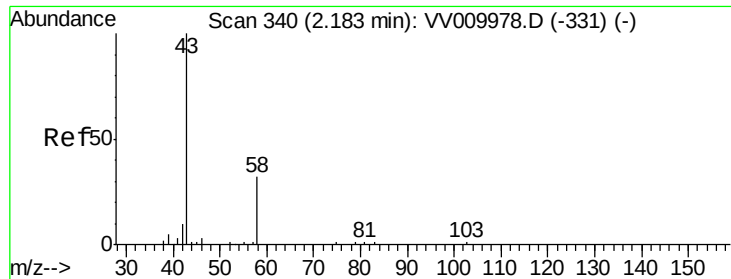
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 5.965 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV009990.D

Acq: 29 Mar 2019 03:07

Instrument :

MSVOA_V

ClientSampleId :

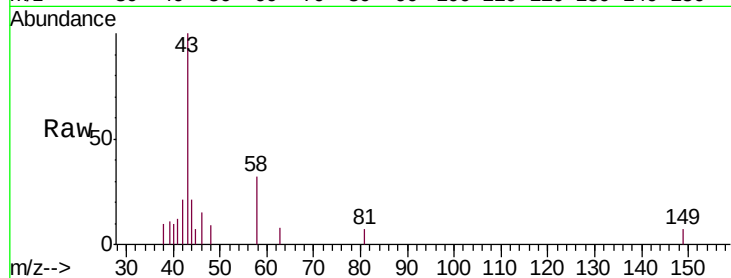
BF5C6

Tgt Ion: 43 Resp: 2662

Ion Ratio Lower Upper

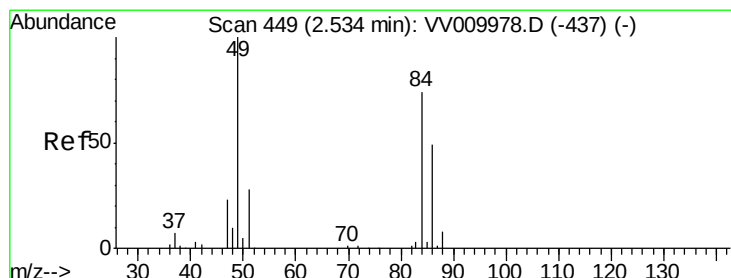
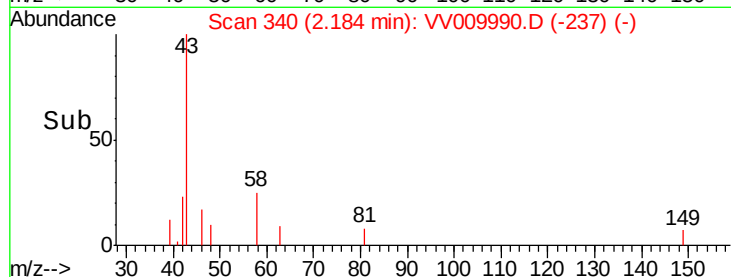
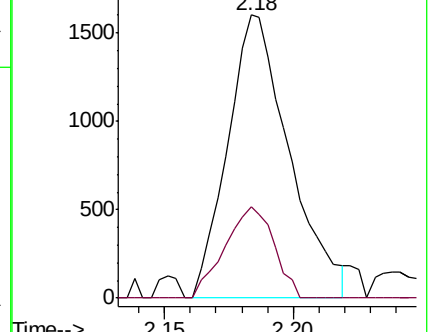
43 100

58 25.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009978.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009978.D (-331) (-)



#16

Methylene chloride

Concen: 3.708 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.01 min

Lab File: VV009990.D

Acq: 29 Mar 2019 03:07

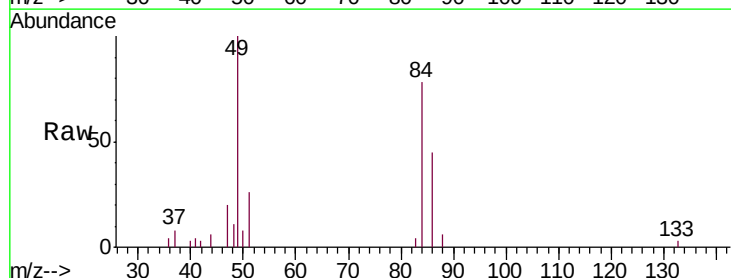
Tgt Ion: 84 Resp: 4760

Ion Ratio Lower Upper

84 100

49 128.2 90.4 167.8

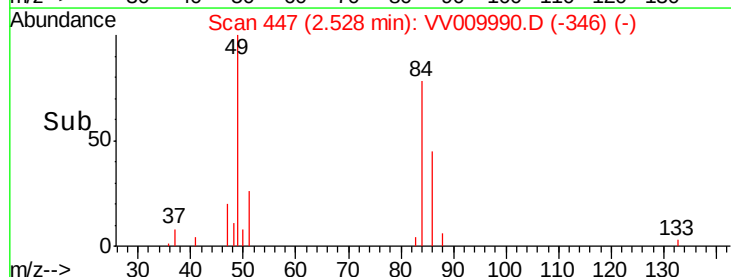
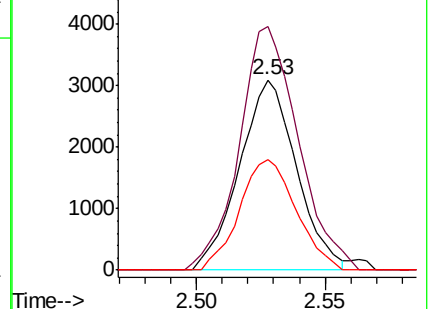
86 58.2 44.0 81.6

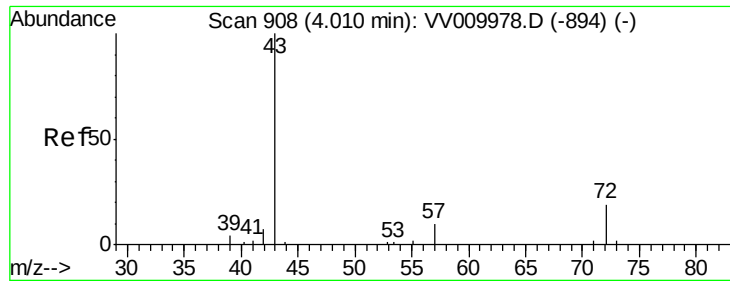


Abundance Ion 84.00 (83.70 to 84.70): VV009978.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV009978.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV009978.D (-437) (-)





#21

2-Butanone

Concen: 1.135 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.01 min

Lab File: VV009990.D

Acq: 29 Mar 2019 03:07

Instrument :

MSVOA_V

ClientSampleId :

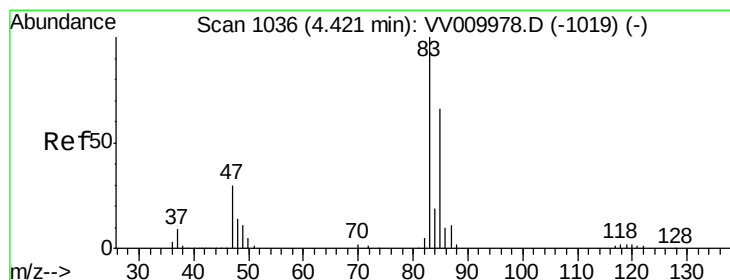
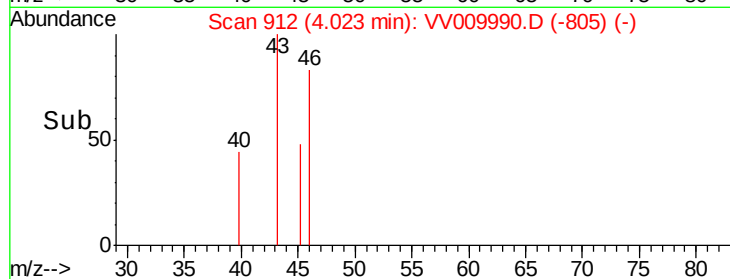
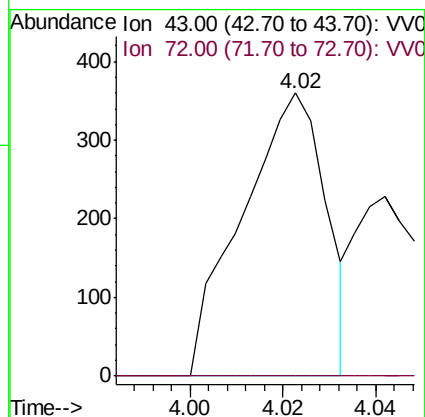
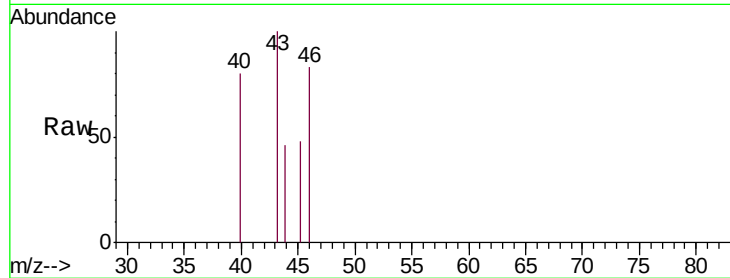
BF5C6

Tgt Ion: 43 Resp: 451

Ion Ratio Lower Upper

43 100

72 0.0 11.1 33.1#



#25

Chloroform

Concen: 1.739 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV009990.D

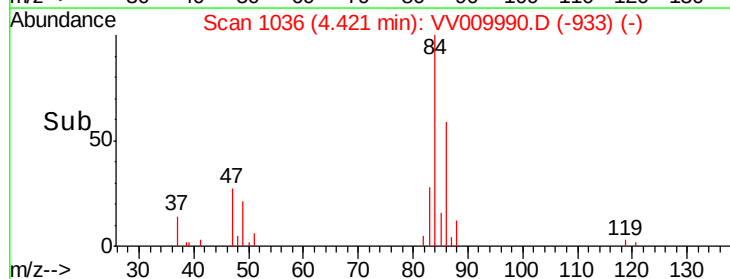
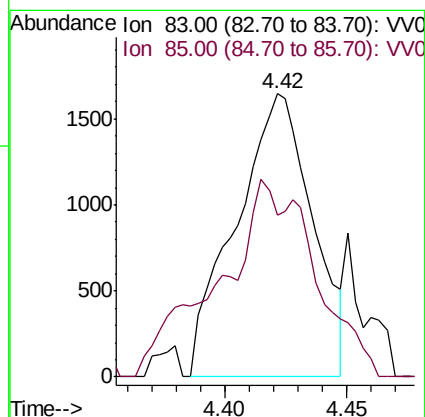
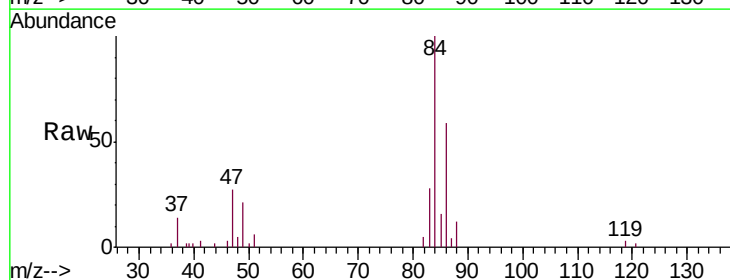
Acq: 29 Mar 2019 03:07

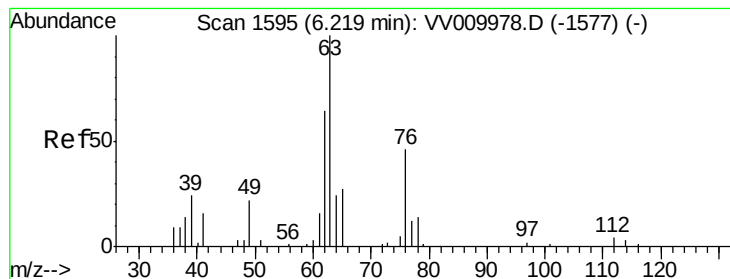
Tgt Ion: 83 Resp: 3591

Ion Ratio Lower Upper

83 100

85 10.7 46.1 85.7#

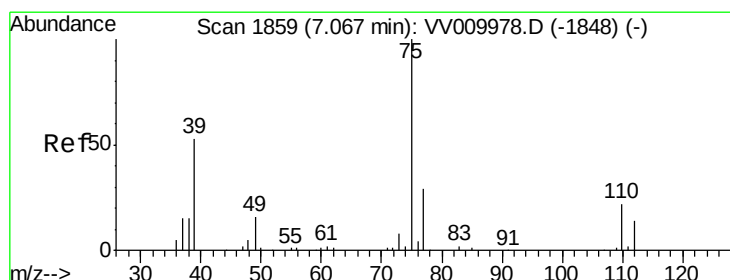
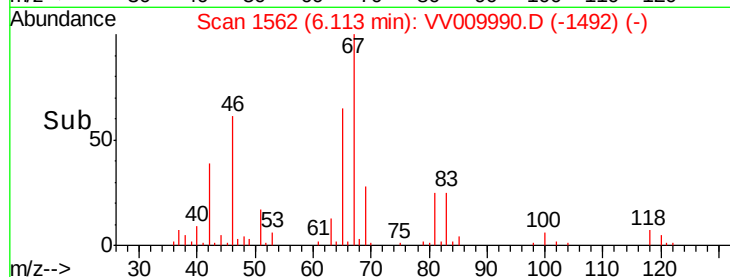
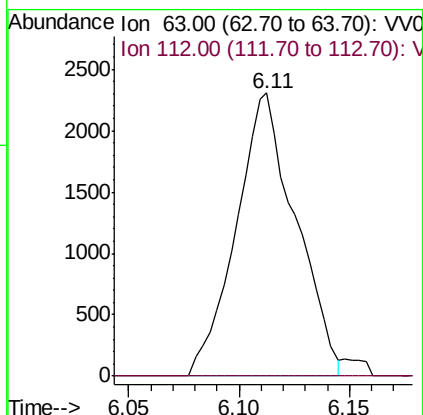
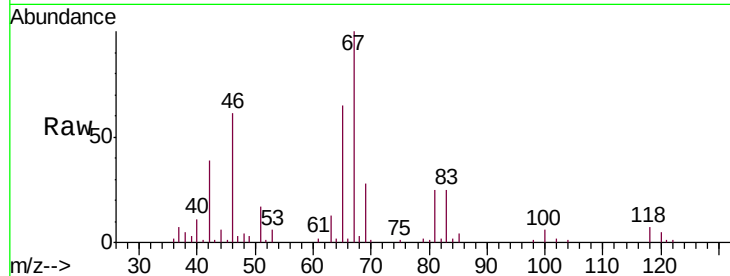




#40
 1,2-Dichloropropane
 Concen: 3.963 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV009990.D
 Acq: 29 Mar 2019 03:07

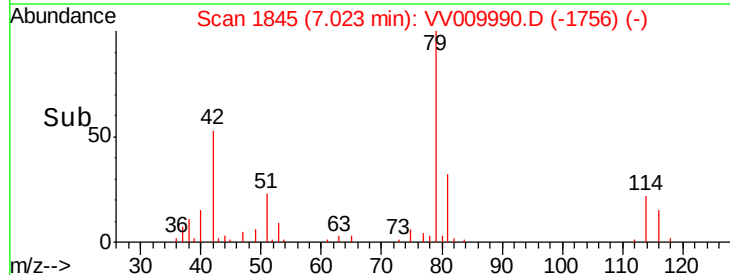
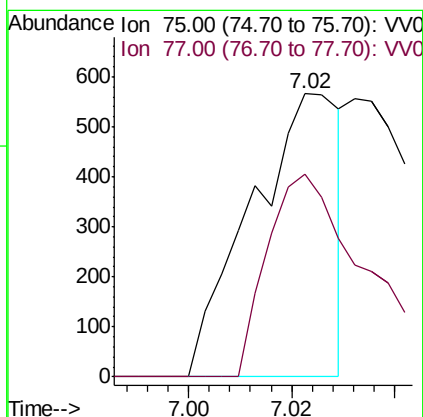
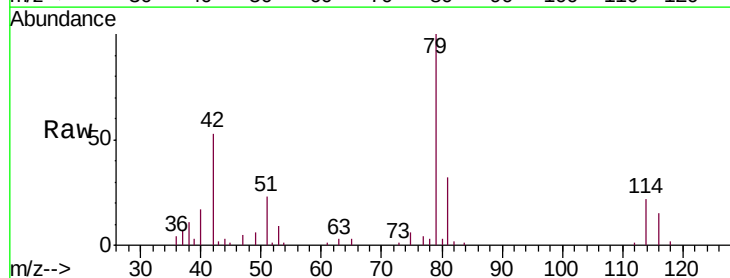
Instrument :
 MSVOA_V
 ClientSampled :
 BF5C6

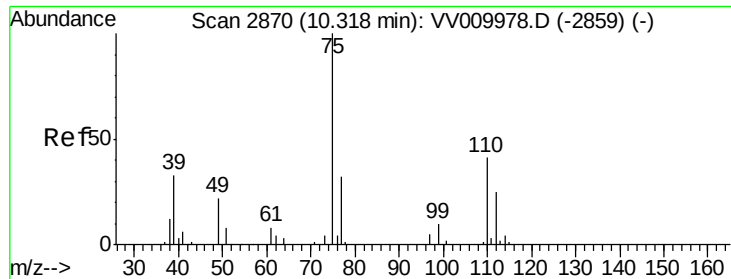
Tgt Ion: 63 Resp: 4337
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.1 3.1#



#42
 cis-1,3-Dichloropropene
 Concen: 0.424 ug/L
 RT: 7.02 min Scan# 1845
 Delta R.T. -0.04 min
 Lab File: VV009990.D
 Acq: 29 Mar 2019 03:07

Tgt Ion: 75 Resp: 677
 Ion Ratio Lower Upper
 75 100
 77 71.6 21.8 40.6#

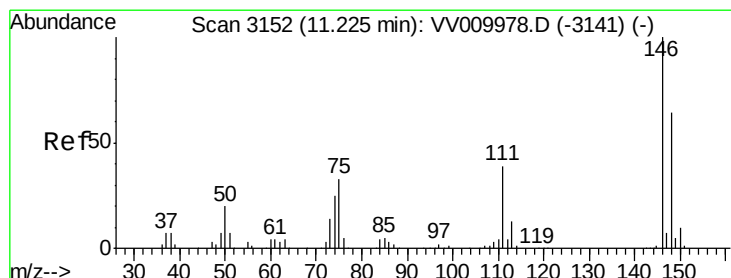
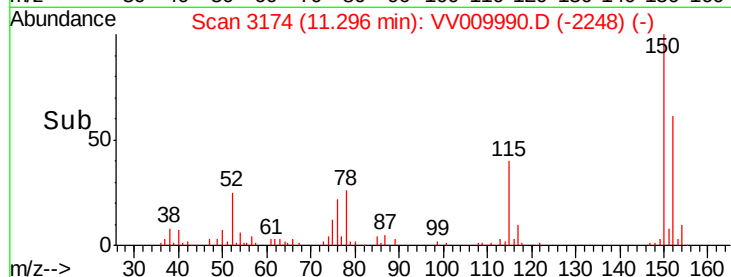
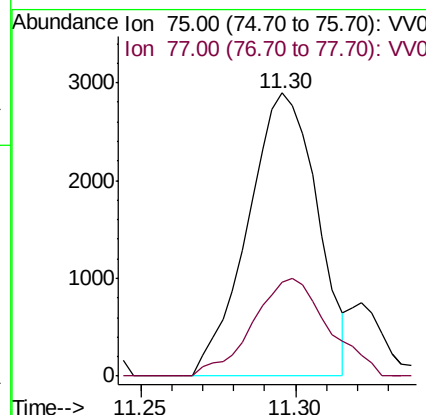
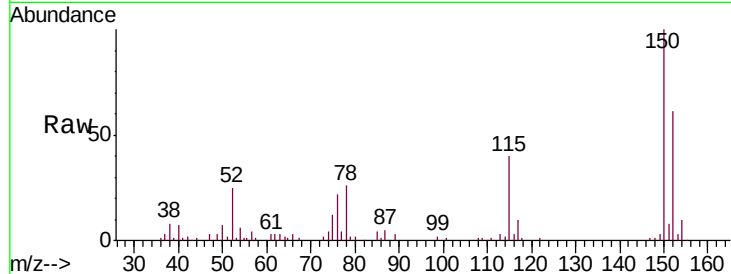




#59
 1,2,3-Trichloropropane
 Concen: 5.118 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV009990.D
 Acq: 29 Mar 2019 03:07

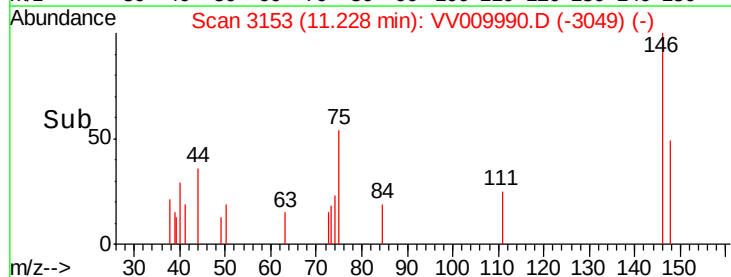
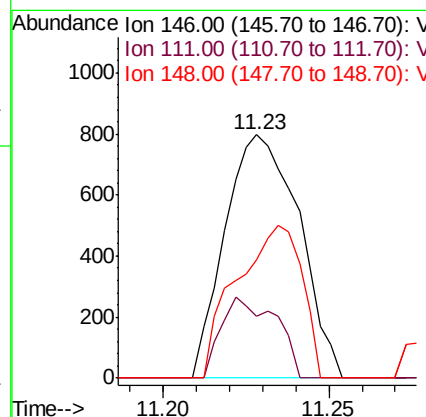
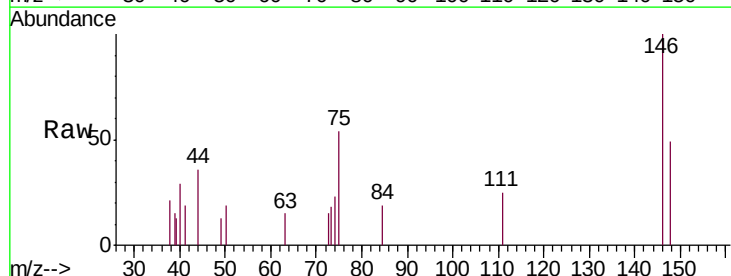
Instrument :
 MSVOA_V
 ClientSampleId :
 BF5C6

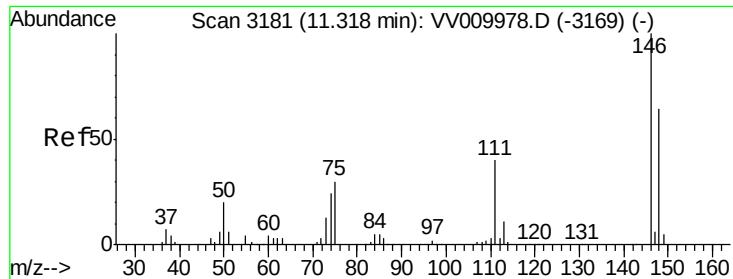
Tgt Ion: 75 Resp: 4506
 Ion Ratio Lower Upper
 75 100
 77 37.5 26.2 39.2



#63
 1,3-Dichlorobenzene
 Concen: 0.782 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009990.D
 Acq: 29 Mar 2019 03:07

Tgt Ion: 146 Resp: 1237
 Ion Ratio Lower Upper
 146 100
 111 25.3 28.5 52.9#
 148 48.7 45.0 83.6





#64

1,4-Dichlorobenzene

Concen: 0.660 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009990.D

Acq: 29 Mar 2019 03:07

Instrument :

MSVOA_V

ClientSampleId :

BF5C6

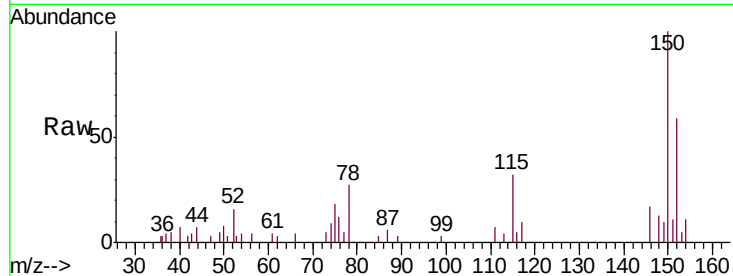
Tgt Ion:146 Resp: 1135

Ion Ratio Lower Upper

146 100

111 41.8 25.4 47.2

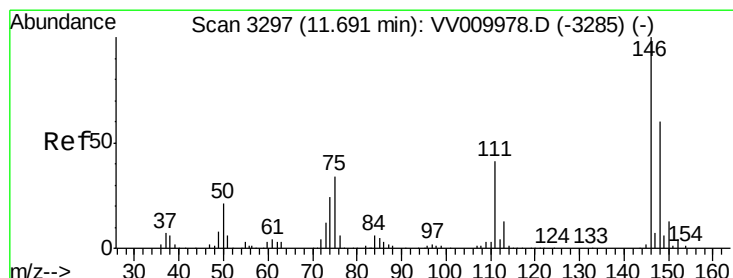
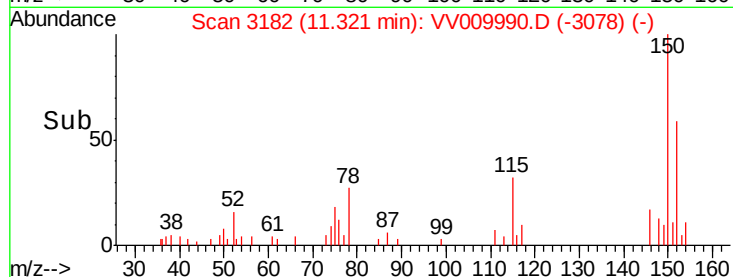
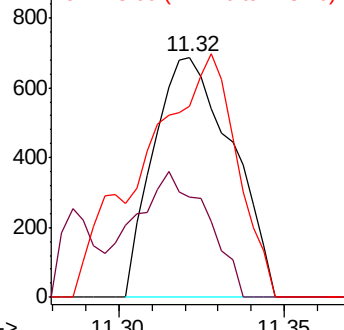
148 79.8 44.1 81.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 5.423 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV009990.D

Acq: 29 Mar 2019 03:07

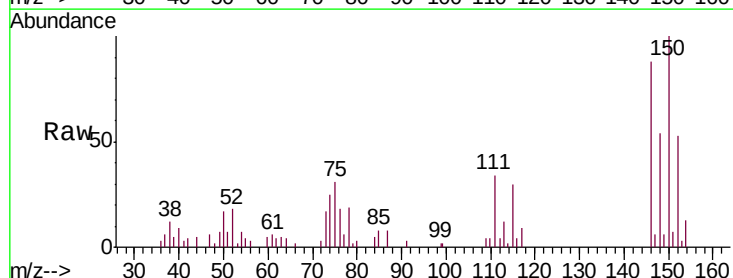
Tgt Ion:146 Resp: 8467

Ion Ratio Lower Upper

146 100

111 39.1 32.7 49.1

148 61.7 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

