

Data File : VV009516.D
Acq On : 06 Mar 2019 13:59
Operator : SY/MD
Sample : K1736-02
Misc : 3.87G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF620

Quant Time: Mar 07 02:56:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 07 02:53:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	138508	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	118505	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	44893	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39114	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.84%
7) Chloroethane-d5	1.58	69	68053	28.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.88%
10) 1,1-Dichloroethene-d2	2.13	63	79073	18.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.88%
20) 2-Butanone-d5	3.96	46	21123	37.18	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.36%
24) Chloroform-d	4.40	84	82548	25.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.08%
26) 1,2-Dichloroethane-d4	5.08	65	50888	27.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.44%
29) Benzene-d6	5.10	84	166927	28.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.76%
33) 1,2-Dichloropropane-d6	6.12	67	52524	30.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.28%#
37) Toluene-d8	7.36	98	153409	26.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.24%
38) trans-1,3-Dichloropropene-	7.66	79	20038	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.48%
39) 2-Hexanone-d5	8.14	63	17445	43.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.32%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	44536	24.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	40416	24.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.64%

Target Compounds

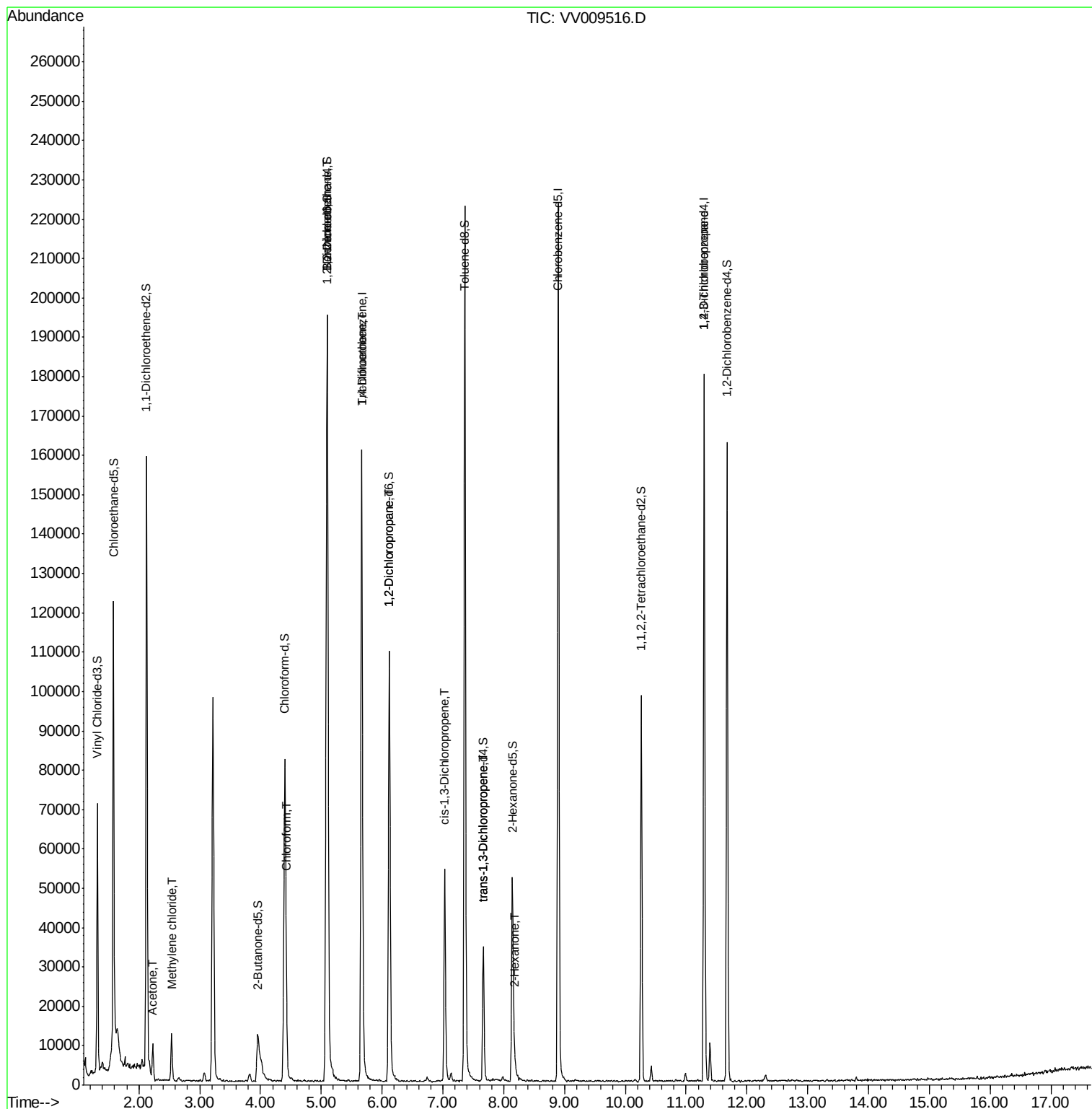
					Qvalue
13) Acetone	2.21	43	653	1.130 ug/L	84
16) Methylene chloride	2.53	84	5223	2.873 ug/L	84
25) Chloroform	4.43	83	3111	0.956 ug/L	91
27) 1,2-Dichloroethane	5.10	62	991	0.439 ug/L #	77
35) Trichloroethene	5.66	95	4192	2.382 ug/L #	6
40) 1,2-Dichloropropane	6.12	63	6223	3.941 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1621	0.661 ug/L #	53
45) trans-1,3-Dichloropropene	7.67	75	1059	0.495 ug/L #	83
49) 2-Hexanone	8.18	43	3099	3.293 ug/L #	40
59) 1,2,3-Trichloropropane	11.30	75	6083	4.556 ug/L #	87

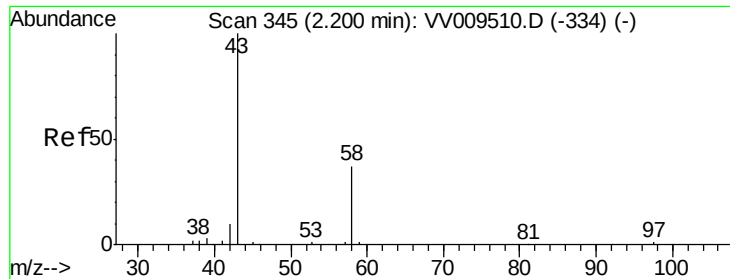
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.130 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV009516.D

Acq: 06 Mar 2019 13:59

Instrument :

MSVOA_V

ClientSampled :

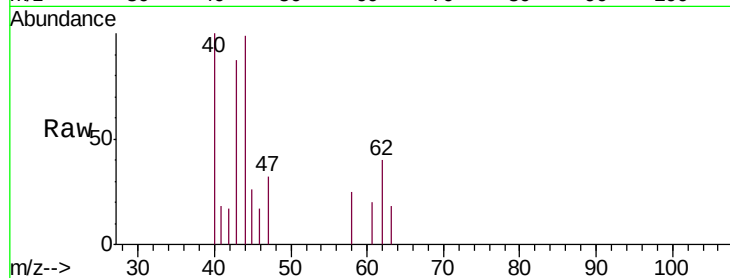
BF620

Tgt Ion: 43 Resp: 653

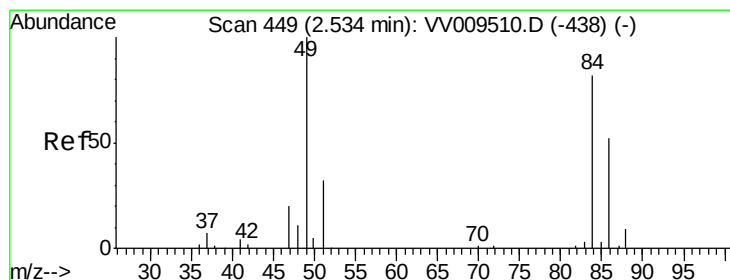
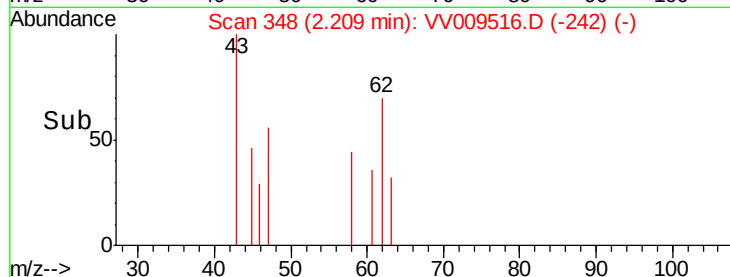
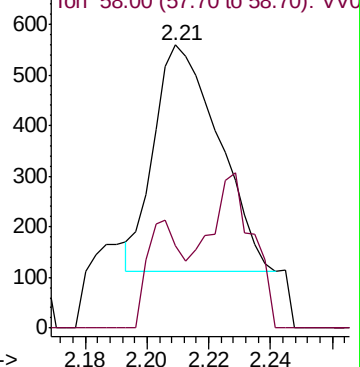
Ion Ratio Lower Upper

43 100

58 25.0 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009516.D (-242) (-)



#16

Methylene chloride

Concen: 2.873 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009516.D

Acq: 06 Mar 2019 13:59

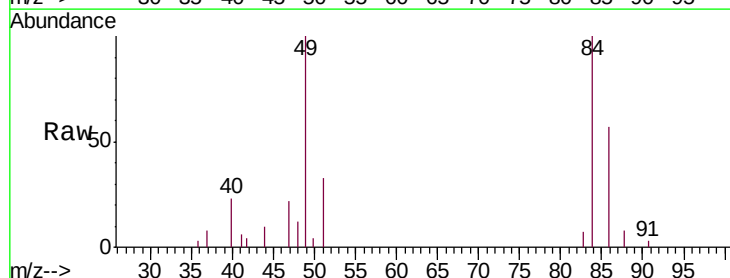
Tgt Ion: 84 Resp: 5223

Ion Ratio Lower Upper

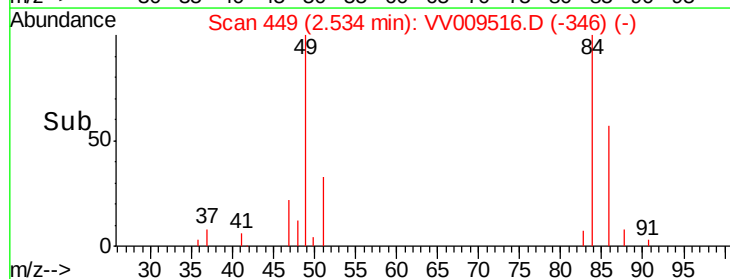
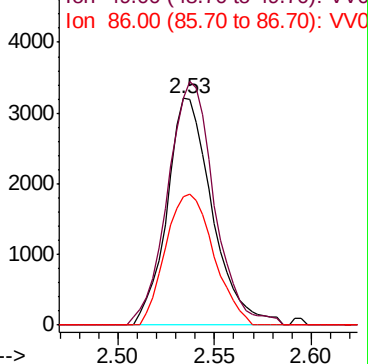
84 100

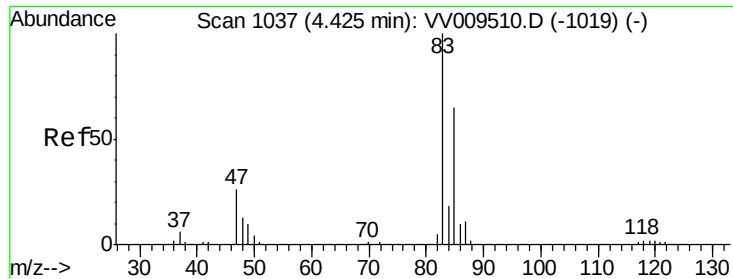
49 100.2 84.6 157.0

86 56.7 46.1 85.7



Abundance Ion 84.00 (83.70 to 84.70): VV009516.D (-346) (-)

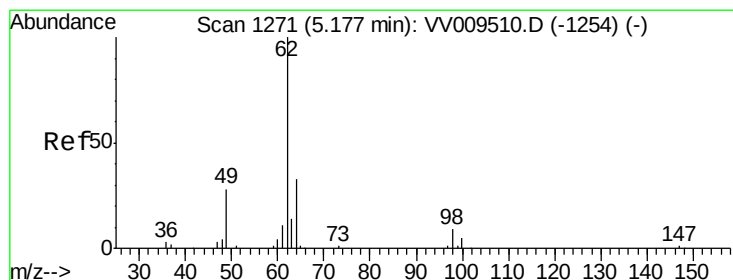
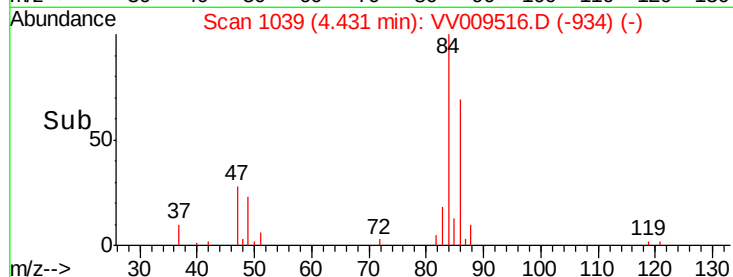
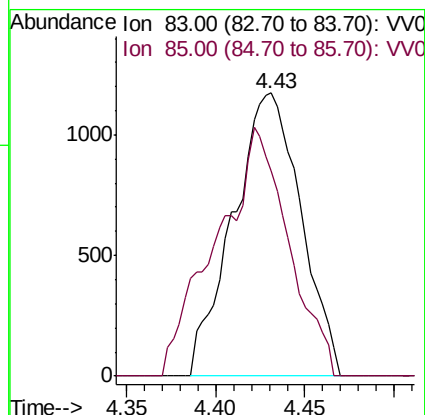
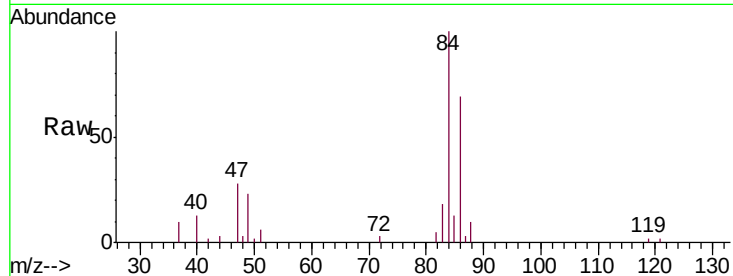




#25
Chloroform
Concen: 0.956 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV009516.D
Acq: 06 Mar 2019 13:59

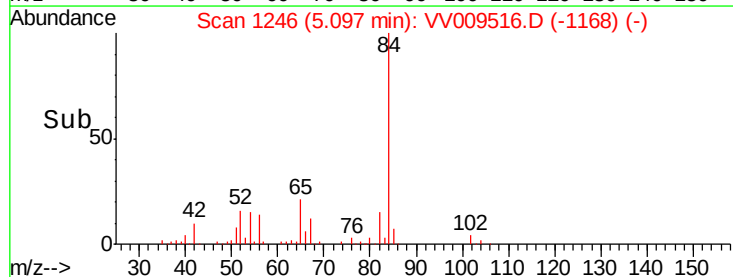
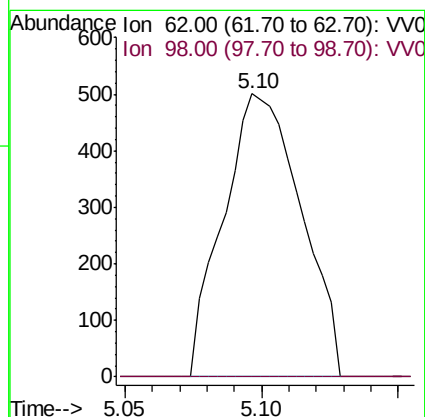
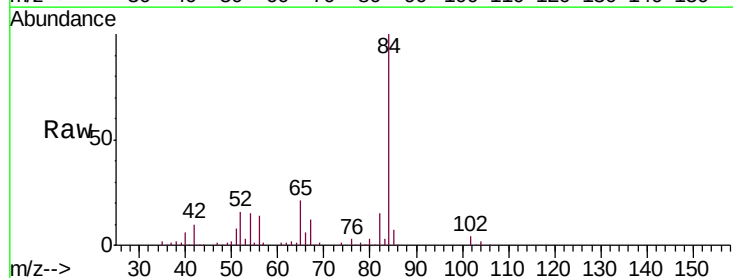
Instrument :
MSVOA_V
ClientSampled :
BF620

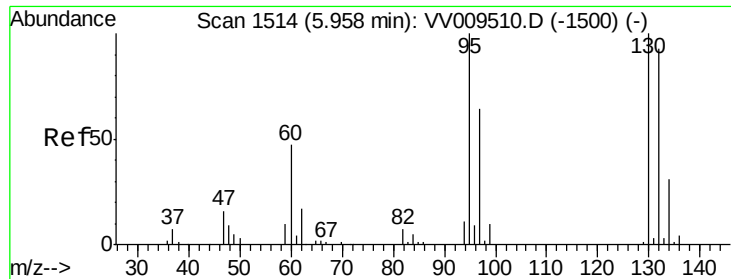
Tgt Ion: 83 Resp: 3111
Ion Ratio Lower Upper
83 100
85 57.6 45.4 84.2



#27
1,2-Dichloroethane
Concen: 0.439 ug/L
RT: 5.10 min Scan# 1246
Delta R.T. -0.08 min
Lab File: VV009516.D
Acq: 06 Mar 2019 13:59

Tgt Ion: 62 Resp: 991
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#35

Trichloroethene

Concen: 2.382 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV009516.D

Acq: 06 Mar 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

BF620

Tgt Ion: 95 Resp: 4192

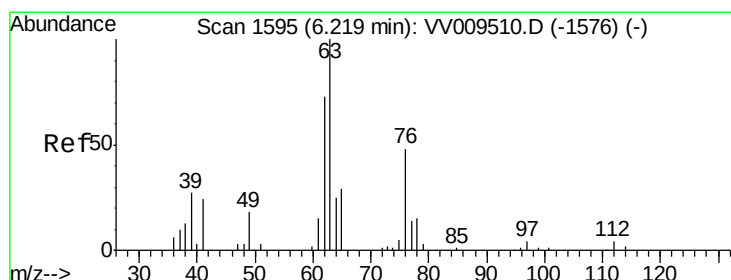
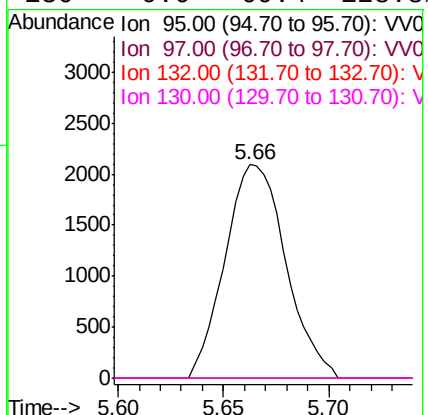
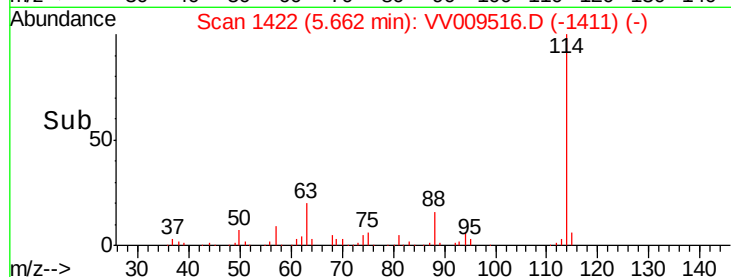
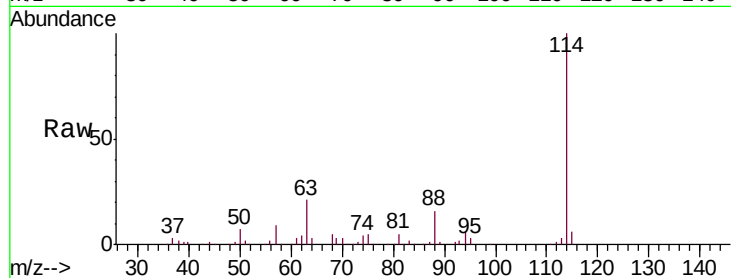
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 64.4 119.6#

130 0.0 69.4 128.8#



#40

1,2-Dichloropropane

Concen: 3.941 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009516.D

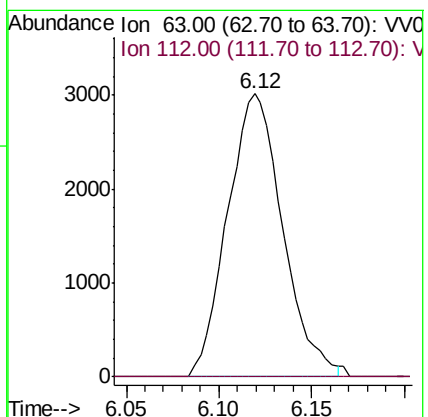
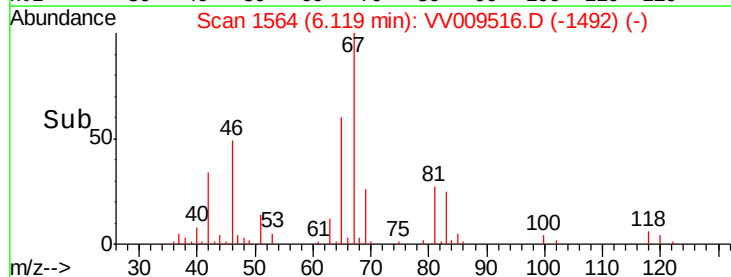
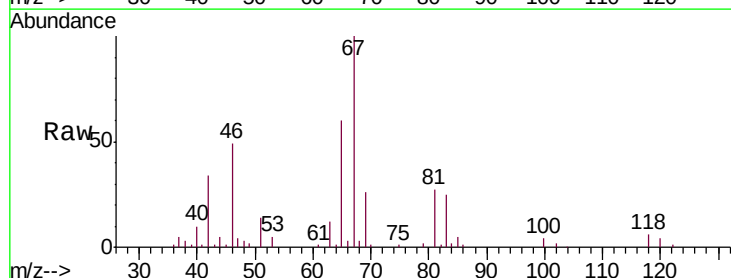
Acq: 06 Mar 2019 13:59

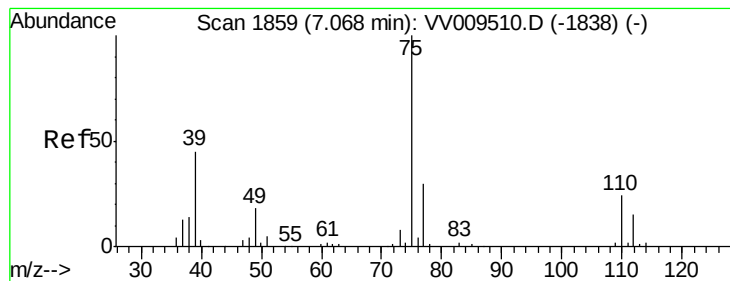
Tgt Ion: 63 Resp: 6223

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



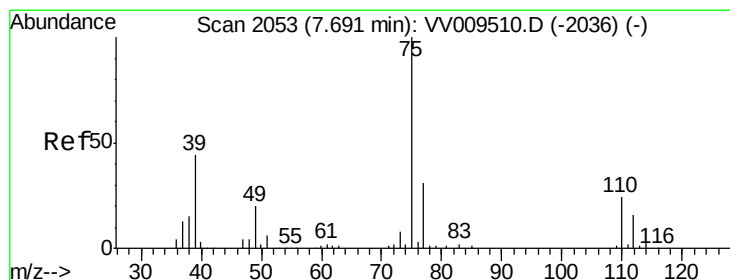
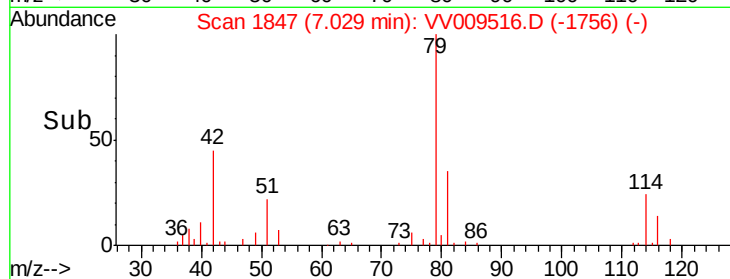
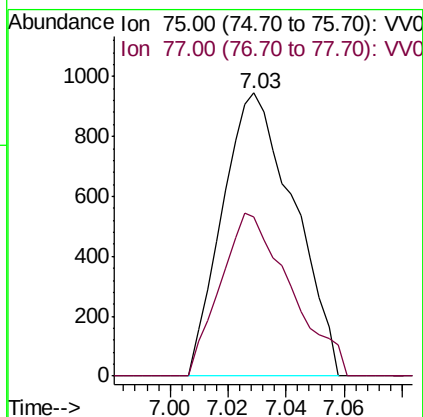
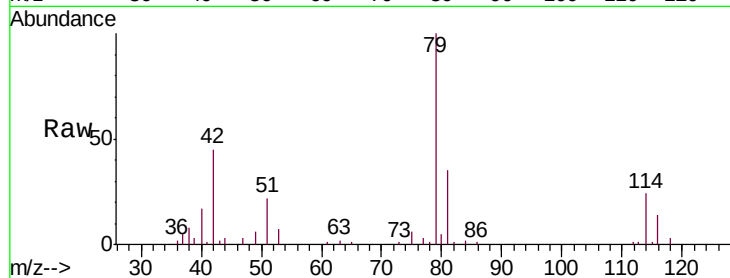


#42

cis-1,3-Dichloropropene
 Concen: 0.661 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009516.D
 Acq: 06 Mar 2019 13:59

Instrument :
 MSVOA_V
 ClientSampled :
 BF620

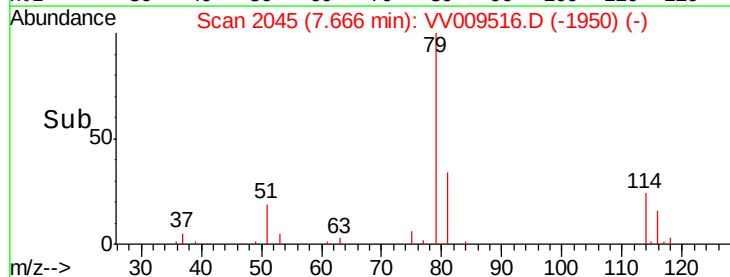
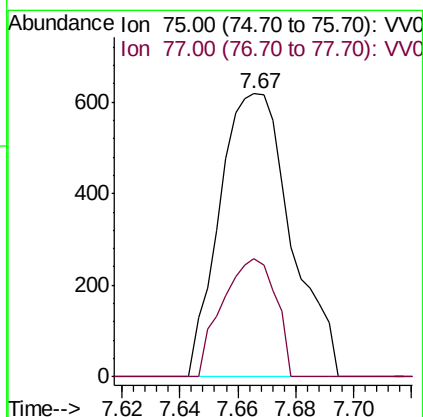
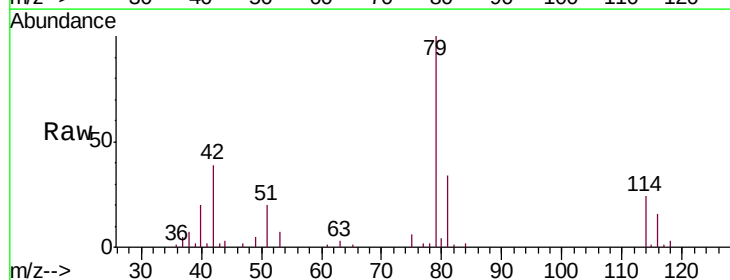
Tgt Ion: 75 Resp: 1621
 Ion Ratio Lower Upper
 75 100
 77 56.1 21.4 39.8#

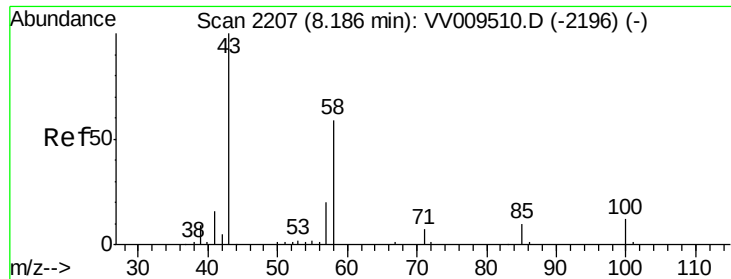


#45

trans-1,3-Dichloropropene
 Concen: 0.495 ug/L
 RT: 7.67 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VV009516.D
 Acq: 06 Mar 2019 13:59

Tgt Ion: 75 Resp: 1059
 Ion Ratio Lower Upper
 75 100
 77 41.7 22.5 41.7#





#49

2-Hexanone

Concen: 3.293 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.01 min

Lab File: VV009516.D

Acq: 06 Mar 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

BF620

Tgt Ion: 43 Resp: 3099

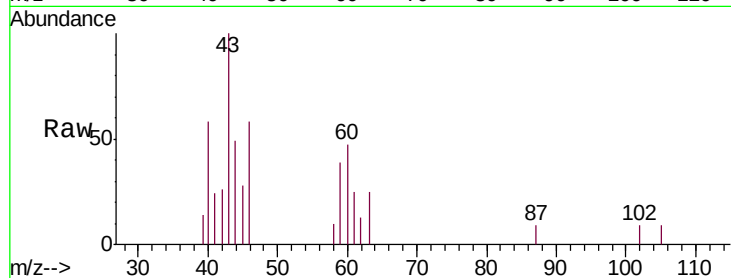
Ion Ratio Lower Upper

43 100

58 3.5 46.3 69.5#

57 2.8 15.8 23.6#

100 0.0 10.0 15.0#

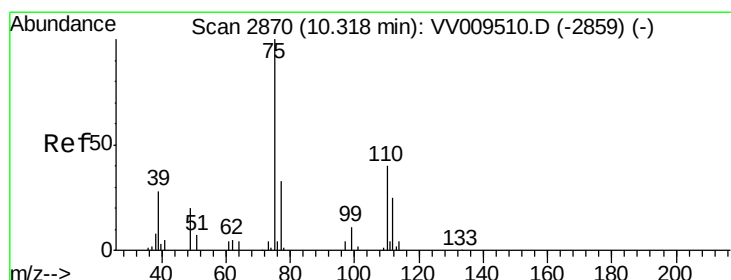
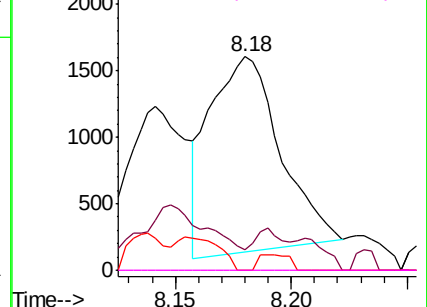
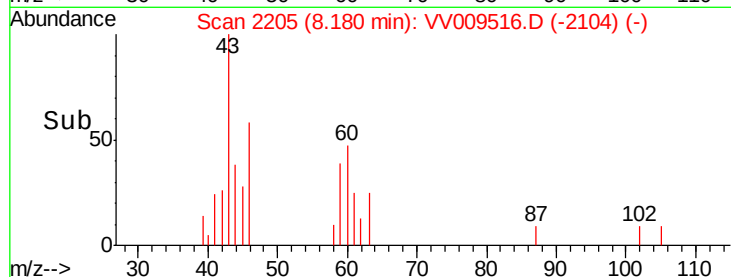


Abundance Ion 43.00 (42.70 to 43.70): VV009510.D (-2196) (-)

Ion 58.00 (57.70 to 58.70): VV009510.D (-2196) (-)

Ion 57.00 (56.70 to 57.70): VV009510.D (-2196) (-)

Ion 100.00 (99.70 to 100.70): VV009510.D (-2196) (-)



#59

1,2,3-Trichloropropane

Concen: 4.556 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009516.D

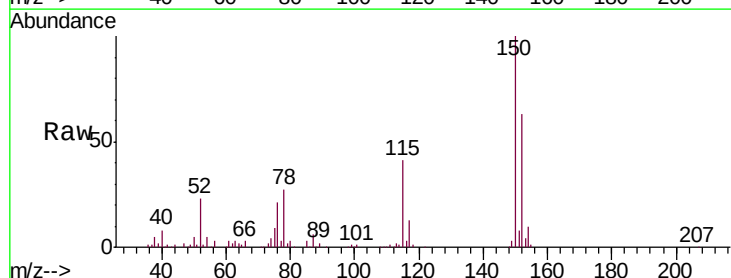
Acq: 06 Mar 2019 13:59

Tgt Ion: 75 Resp: 6083

Ion Ratio Lower Upper

75 100

77 39.5 25.9 38.9#



Abundance Ion 75.00 (74.70 to 75.70): VV009510.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009510.D (-2859) (-)

