

Data File : VV009348.D
Acq On : 25 Feb 2019 14:57
Operator : SY/MD
Sample : K1579-12
Misc : 6.88G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB609

Quant Time: Feb 26 02:49:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 26 02:46:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	113046	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	86477	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	22157	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33778	22.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.84%
7) Chloroethane-d5	1.57	69	35584	20.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.00%
10) 1,1-Dichloroethene-d2	2.13	63	68832	18.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.44%
20) 2-Butanone-d5	3.94	46	16351	31.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.12%
24) Chloroform-d	4.40	84	51092	19.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.84%
26) 1,2-Dichloroethane-d4	5.08	65	32055	22.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.08%
29) Benzene-d6	5.10	84	119046	27.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.80%
33) 1,2-Dichloropropane-d6	6.12	67	38569	30.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.88%#
37) Toluene-d8	7.36	98	98985	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.92%
38) trans-1,3-Dichloropropene-	7.66	79	14526	22.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.64%
39) 2-Hexanone-d5	8.13	63	13913	39.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.38%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	26275	18.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.32%
61) 1,2-Dichlorobenzene-d4	11.68	152	15691	19.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	77.12%

Target Compounds

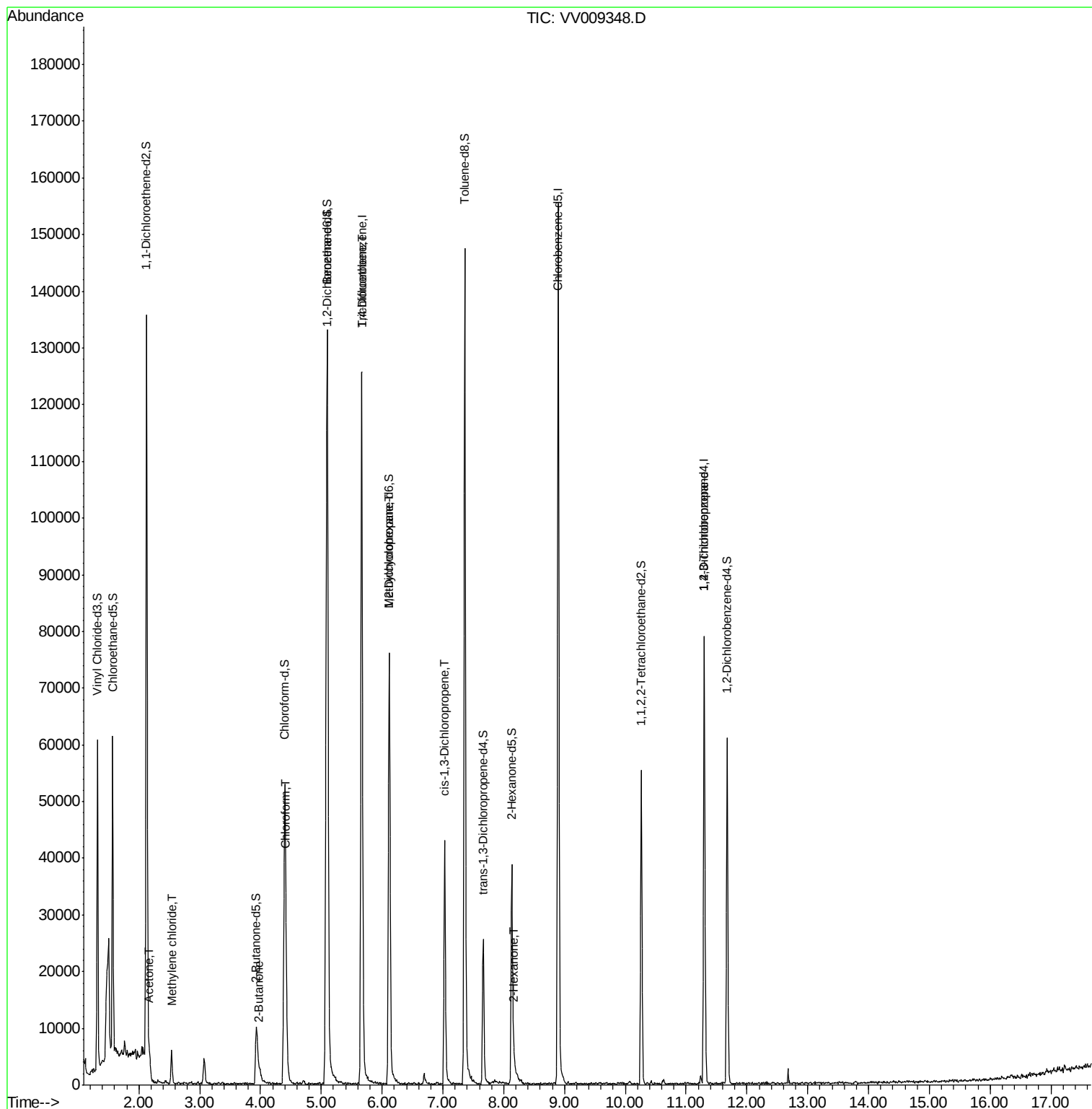
					Qvalue
13) Acetone	2.18	43	824	1.601 ug/L	48
16) Methylene chloride	2.54	84	2482	1.451 ug/L	88
21) 2-Butanone	3.99	43	718	1.218 ug/L #	44
25) Chloroform	4.43	83	5559	2.105 ug/L	98
35) Trichloroethene	5.67	95	2968	2.257 ug/L #	4
36) Methylcyclohexane	6.12	83	8906	3.871 ug/L #	21
42) cis-1,3-Dichloropropene	7.03	75	1162	0.597 ug/L #	68
49) 2-Hexanone	8.18	43	1681	2.269 ug/L #	47
59) 1,2,3-Trichloropropane	11.30	75	2823	2.732 ug/L #	84

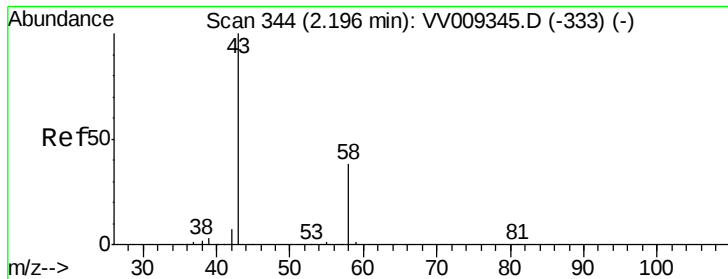
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.601 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.02 min

Lab File: VV009348.D

Acq: 25 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

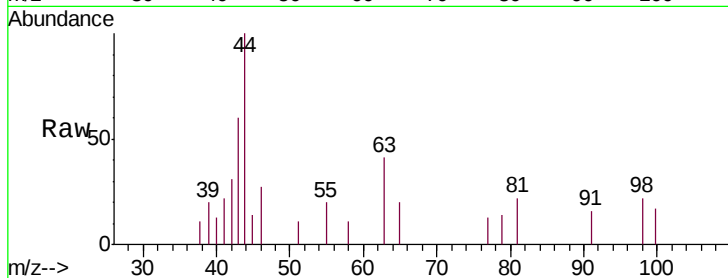
DB609

Tgt Ion: 43 Resp: 824

Ion Ratio Lower Upper

43 100

58 5.5 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV009345.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV009345.D (-333) (-)

2.18

600

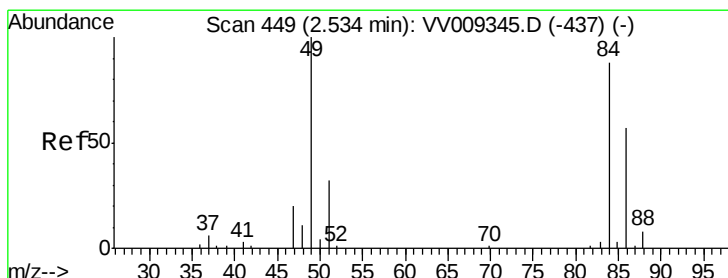
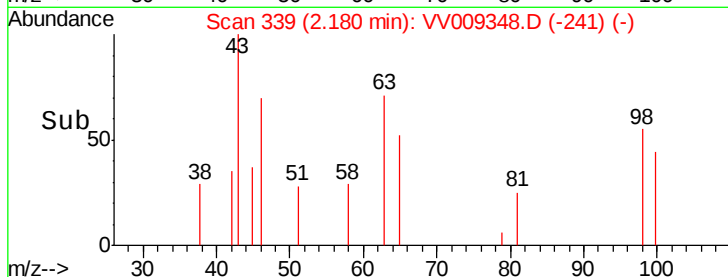
400

200

0

2.15 2.20

Time-->



#16

Methylene chloride

Concen: 1.451 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009348.D

Acq: 25 Feb 2019 14:57

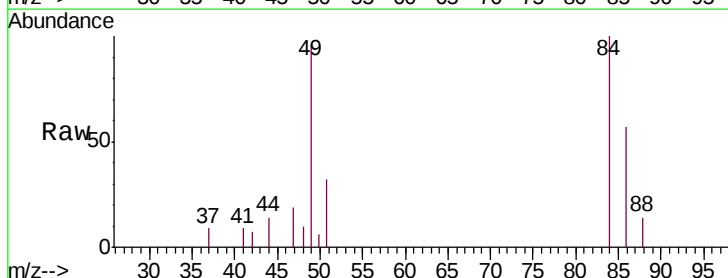
Tgt Ion: 84 Resp: 2482

Ion Ratio Lower Upper

84 100

49 96.2 78.7 146.1

86 56.9 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV009348.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV009348.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV009348.D (-346) (-)

2.54

2000

1500

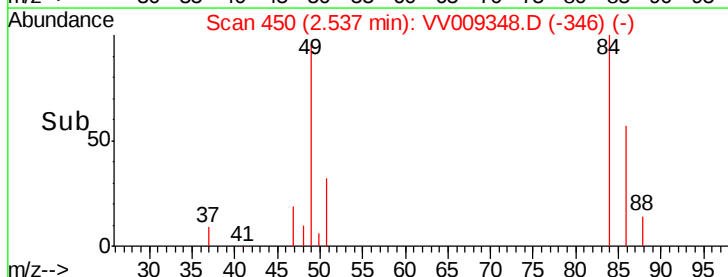
1000

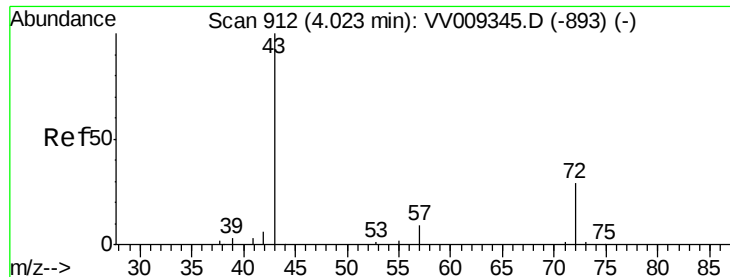
500

0

2.50 2.55

Time-->

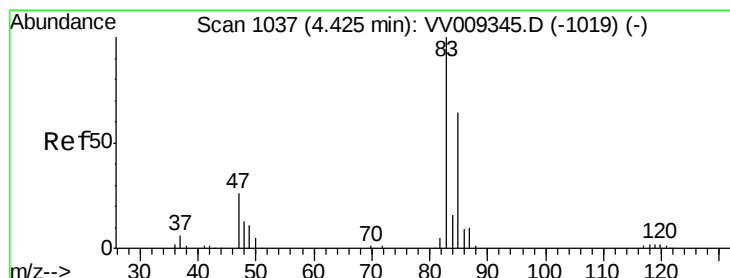
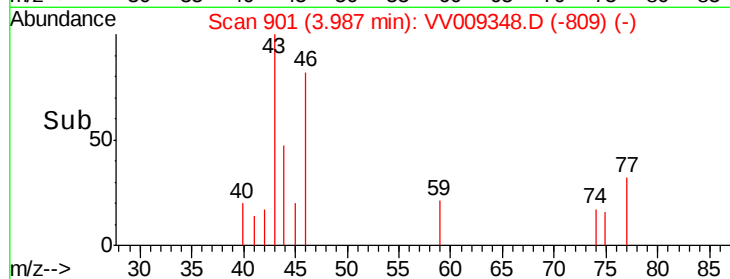
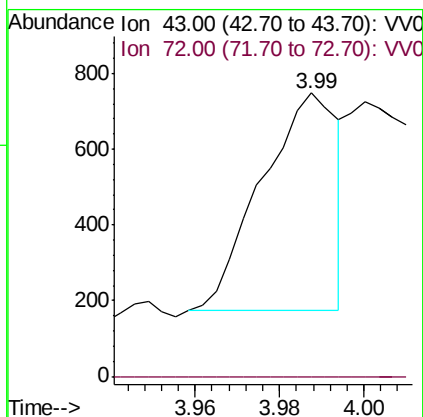
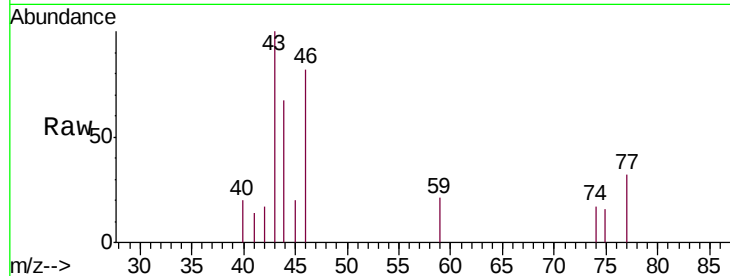




#21
2-Butanone
Concen: 1.218 ug/L
RT: 3.99 min Scan# 901
Delta R.T. -0.04 min
Lab File: VV009348.D
Acq: 25 Feb 2019 14:57

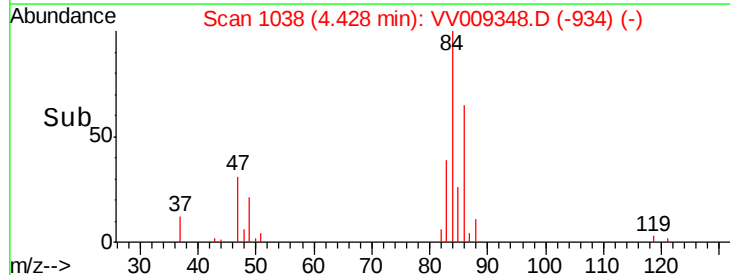
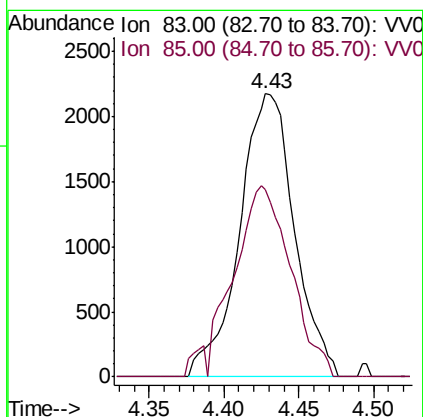
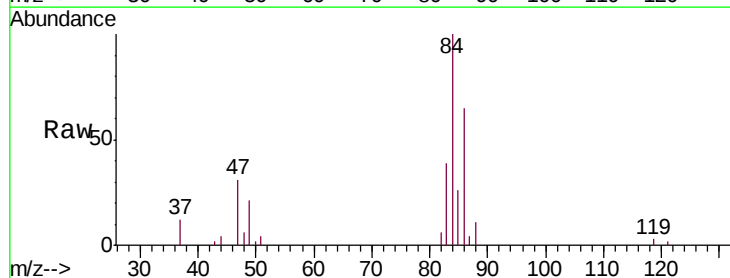
Instrument :
MSVOA_V
ClientSampled :
DB609

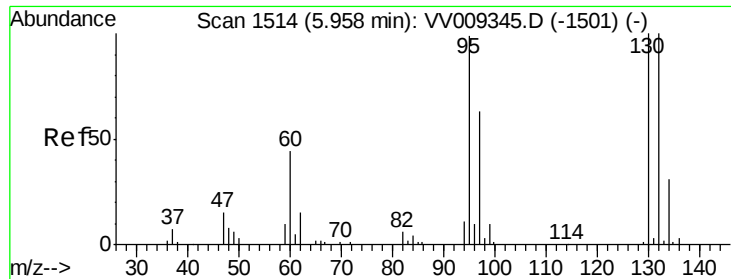
Tgt Ion: 43 Resp: 718
Ion Ratio Lower Upper
43 100
72 0.0 15.4 46.2#



#25
Chloroform
Concen: 2.105 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009348.D
Acq: 25 Feb 2019 14:57

Tgt Ion: 83 Resp: 5559
Ion Ratio Lower Upper
83 100
85 69.1 47.5 88.3

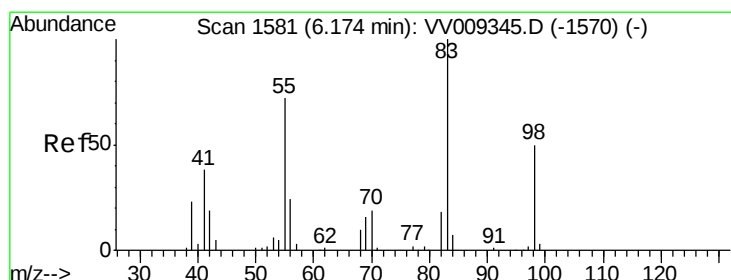
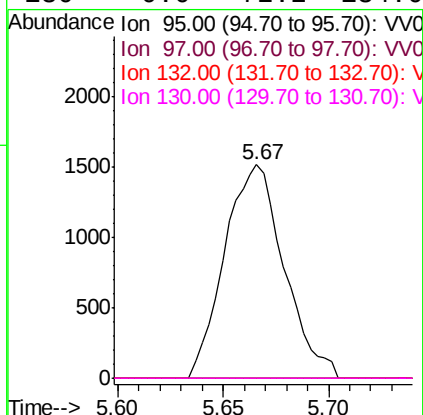
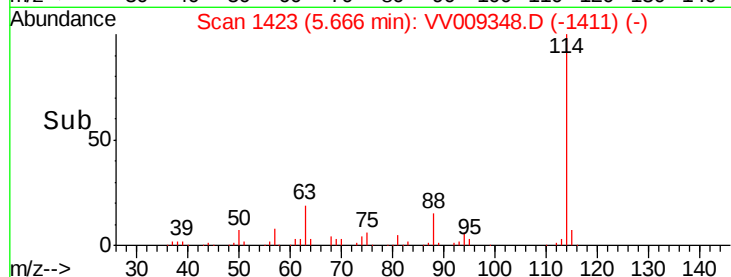
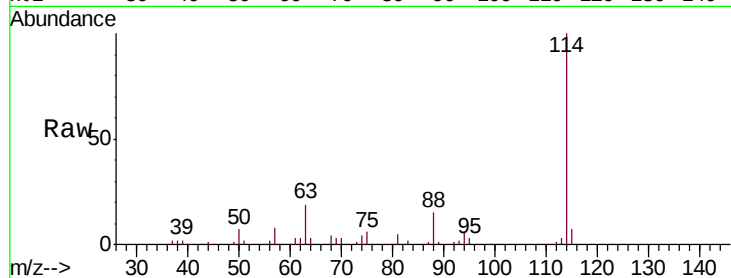




#35
 Trichloroethene
 Concen: 2.257 ug/L
 RT: 5.67 min Scan# 1423
 Delta R.T. -0.29 min
 Lab File: VV009348.D
 Acq: 25 Feb 2019 14:57

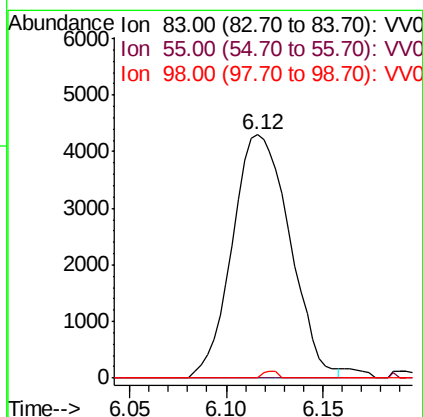
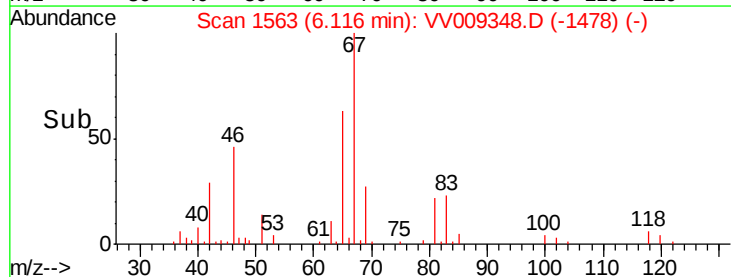
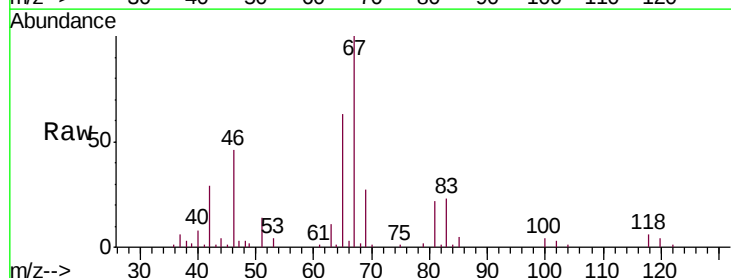
Instrument :
 MSVOA_V
 ClientSampleId :
 DB609

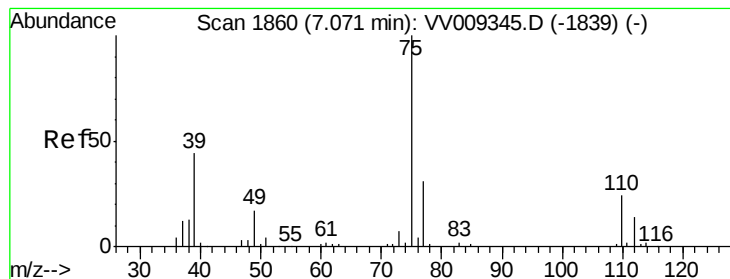
Tgt Ion: 95 Resp: 2968
 Ion Ratio Lower Upper
 95 100
 97 0.0 45.0 83.6#
 132 0.0 68.7 127.5#
 130 0.0 72.2 134.0#



#36
 Methylcyclohexane
 Concen: 3.871 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV009348.D
 Acq: 25 Feb 2019 14:57

Tgt Ion: 83 Resp: 8906
 Ion Ratio Lower Upper
 83 100
 55 0.5 55.8 83.6#
 98 0.8 40.3 60.5#





#42

cis-1,3-Dichloropropene

Concen: 0.597 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV009348.D

Acq: 25 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

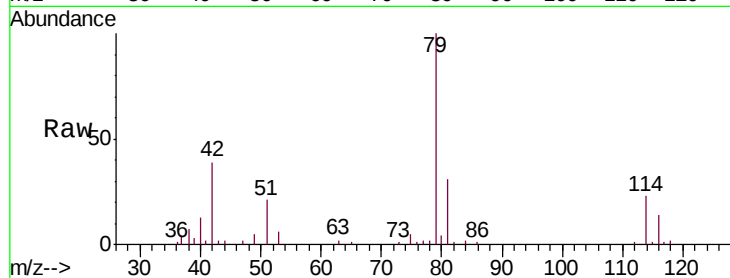
DB609

Tgt Ion: 75 Resp: 1162

Ion Ratio Lower Upper

75 100

77 49.1 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VV009348.D (-1757) (-)

Ion 77.00 (76.70 to 77.70): VV009348.D (-1757) (-)

7.03

600

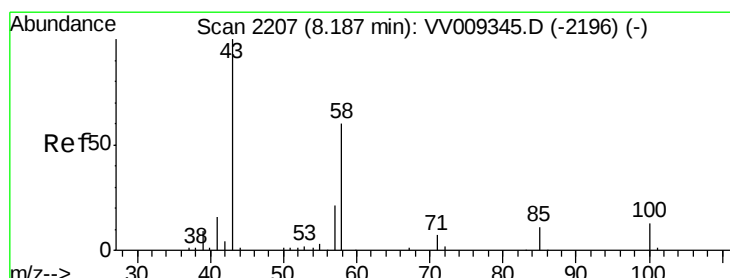
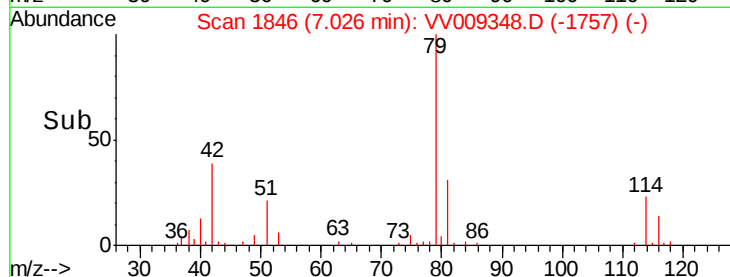
400

200

0

7.00 7.05

Time-->



#49

2-Hexanone

Concen: 2.269 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. -0.01 min

Lab File: VV009348.D

Acq: 25 Feb 2019 14:57

Tgt Ion: 43 Resp: 1681

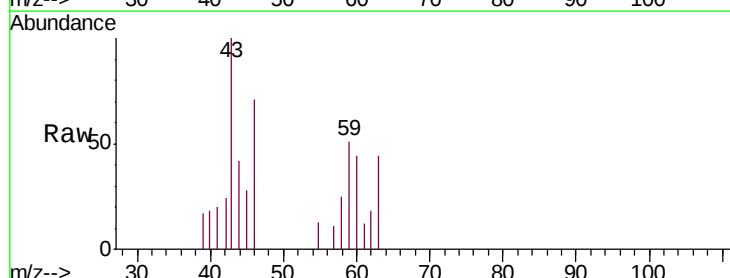
Ion Ratio Lower Upper

43 100

58 12.0 46.8 70.2#

57 2.4 14.2 21.2#

100 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VV009348.D (-2104) (-)

Ion 58.00 (57.70 to 58.70): VV009348.D (-2104) (-)

Ion 57.00 (56.70 to 57.70): VV009348.D (-2104) (-)

Ion 100.00 (99.70 to 100.70): VV009348.D (-2104) (-)

8.18

1500

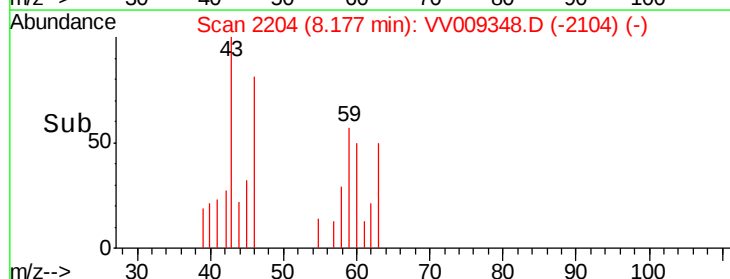
1000

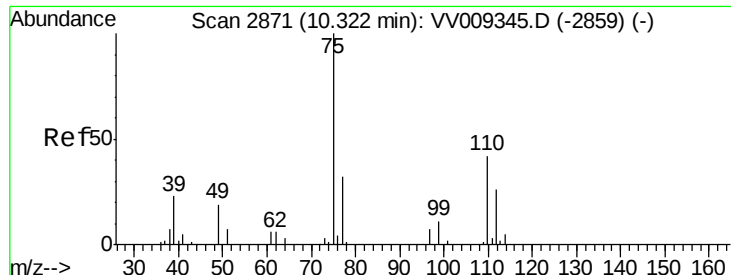
500

0

8.14 8.16 8.18 8.20 8.22

Time-->





#59

1,2,3-Trichloropropane

Concen: 2.732 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009348.D

Acq: 25 Feb 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

DB609

Tgt Ion: 75 Resp: 2823

Ion Ratio Lower Upper

75 100

77 41.8 26.3 39.5#

