

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
 Data File : VV009547.D
 Acq On : 08 Mar 2019 18:58
 Operator : SY/MD
 Sample : K1736-10
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF626

Quant Time: Mar 09 01:27:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 09 01:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	150396	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	129874	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45740	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32987	18.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.88%
7) Chloroethane-d5	1.57	69	59936	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.56%
10) 1,1-Dichloroethene-d2	2.13	63	76950	16.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.32%
20) 2-Butanone-d5	3.95	46	19827	32.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.28%
24) Chloroform-d	4.40	84	85580	23.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.56%
26) 1,2-Dichloroethane-d4	5.08	65	52403	25.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.84%
29) Benzene-d6	5.10	84	173899	27.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.16%
33) 1,2-Dichloropropane-d6	6.12	67	54409	28.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.64%
37) Toluene-d8	7.36	98	163259	26.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.12%
38) trans-1,3-Dichloropropene-	7.67	79	19736	21.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.80%
39) 2-Hexanone-d5	8.14	63	15531	35.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	43842	21.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	39790	23.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.32%

Target Compounds

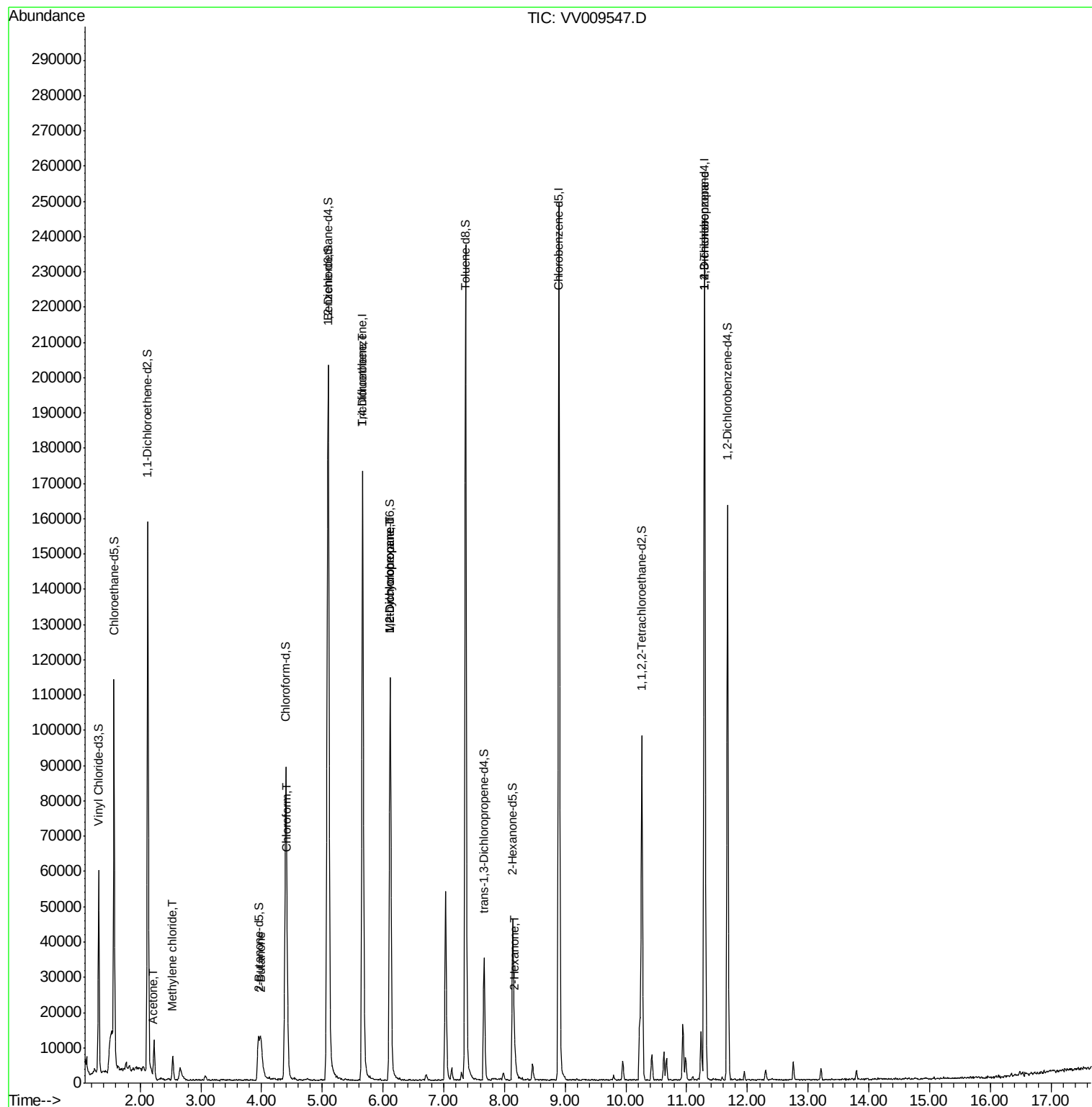
					Qvalue
13) Acetone	2.20	43	1121	1.787 ug/L	53
16) Methylene chloride	2.53	84	2651	1.343 ug/L	89
21) 2-Butanone	3.99	43	1126	1.422 ug/L #	48
25) Chloroform	4.43	83	5314	1.505 ug/L #	47
35) Trichloroethene	5.66	95	4324	2.242 ug/L #	6
36) Methylcyclohexane	6.12	83	13354	4.251 ug/L #	20
40) 1,2-Dichloropropane	6.12	63	6358	3.674 ug/L #	89
49) 2-Hexanone	8.17	43	4791	4.645 ug/L #	37
59) 1,2,3-Trichloropropane	11.30	75	6913	4.724 ug/L #	1

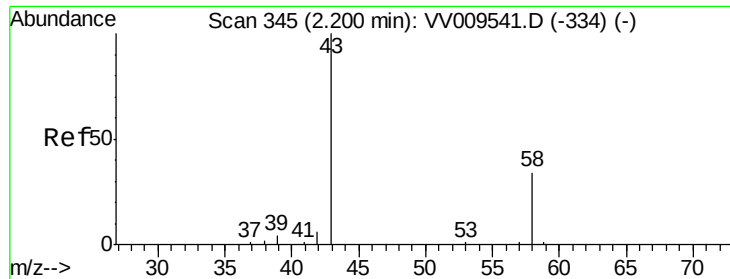
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.787 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV009547.D

Acq: 08 Mar 2019 18:58

Instrument :

MSVOA_V

ClientSampleId :

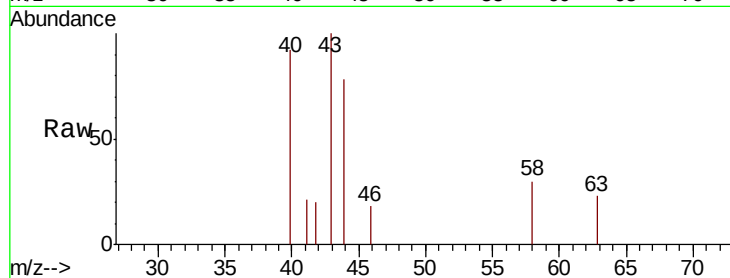
BF626

Tgt Ion: 43 Resp: 1121

Ion Ratio Lower Upper

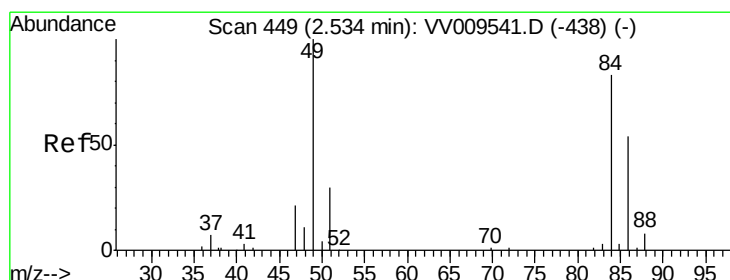
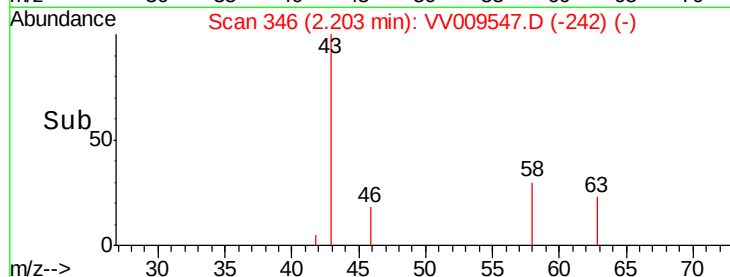
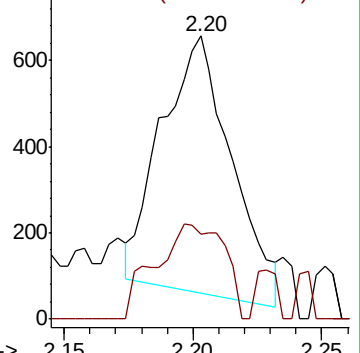
43 100

58 7.5 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009547.D (-242) (-)

Ion 58.00 (57.70 to 58.70): VV009547.D (-242) (-)



#16

Methylene chloride

Concen: 1.343 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009547.D

Acq: 08 Mar 2019 18:58

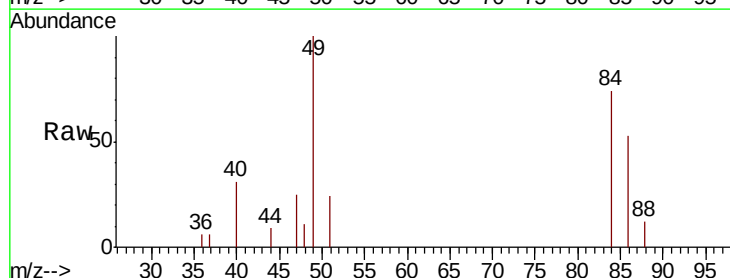
Tgt Ion: 84 Resp: 2651

Ion Ratio Lower Upper

84 100

49 135.0 84.6 157.0

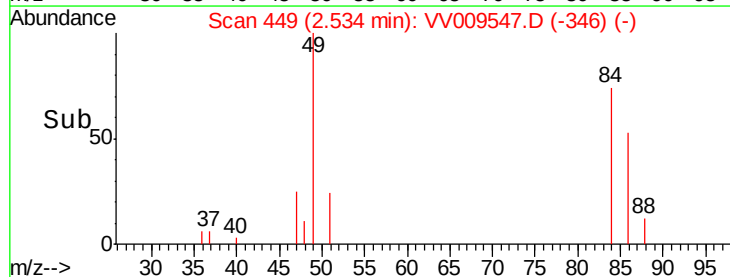
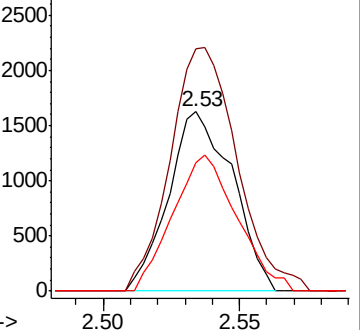
86 71.2 46.1 85.7

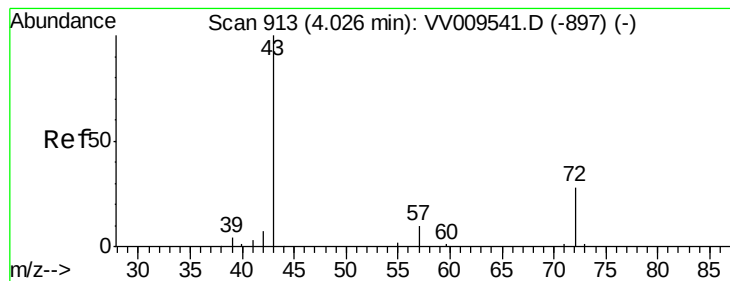


Abundance Ion 84.00 (83.70 to 84.70): VV009547.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV009547.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV009547.D (-346) (-)





#21

2-Butanone

Concen: 1.422 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.03 min

Lab File: VV009547.D

Acq: 08 Mar 2019 18:58

Instrument :

MSVOA_V

ClientSampled :

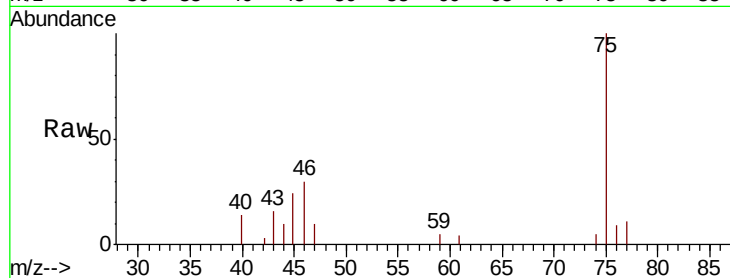
BF626

Tgt Ion: 43 Resp: 1126

Ion Ratio Lower Upper

43 100

72 0.0 13.7 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

3.99

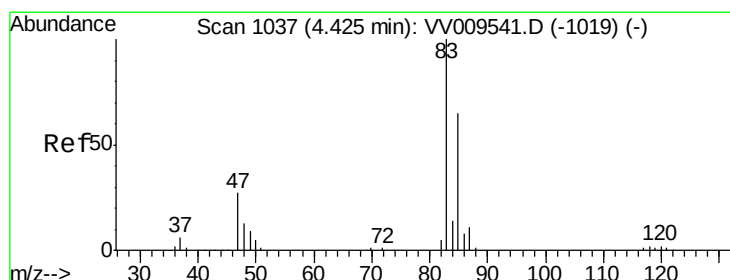
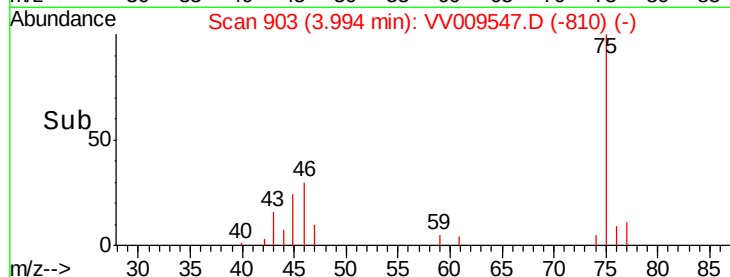
600

400

200

0

Time--> 3.94 3.96 3.98 4.00 4.02



#25

Chloroform

Concen: 1.505 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV009547.D

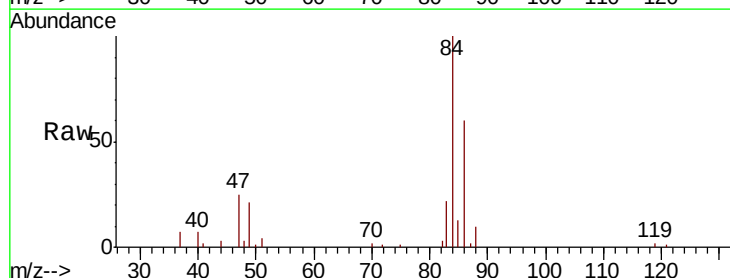
Acq: 08 Mar 2019 18:58

Tgt Ion: 83 Resp: 5314

Ion Ratio Lower Upper

83 100

85 23.2 45.4 84.2#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.43

2000

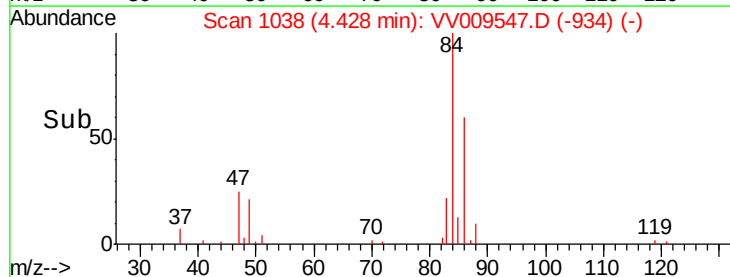
1500

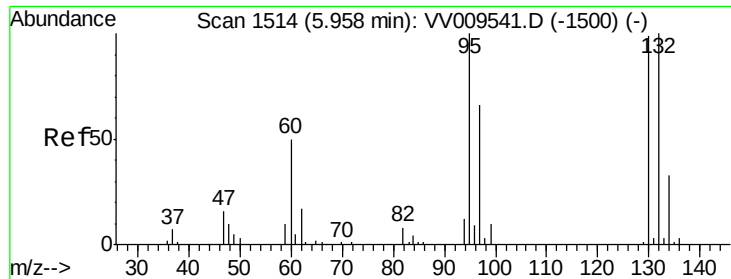
1000

500

0

Time--> 4.35 4.40 4.45 4.50





#35

Trichloroethene

Concen: 2.242 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV009547.D

Acq: 08 Mar 2019 18:58

Instrument :

MSVOA_V

ClientSampleId :

BF626

Tgt Ion: 95 Resp: 4324

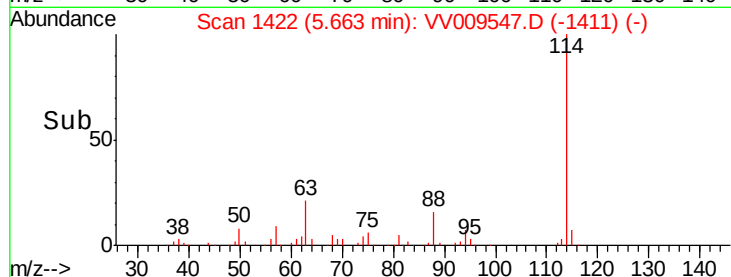
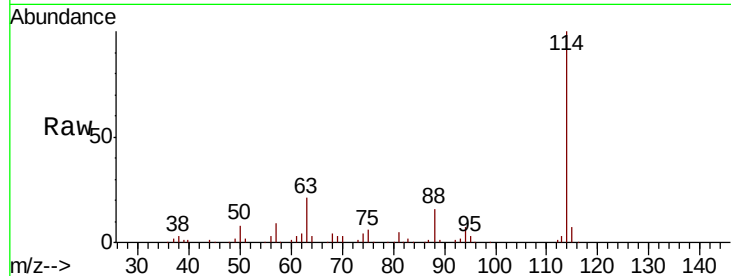
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 64.4 119.6#

130 0.0 69.4 128.8#

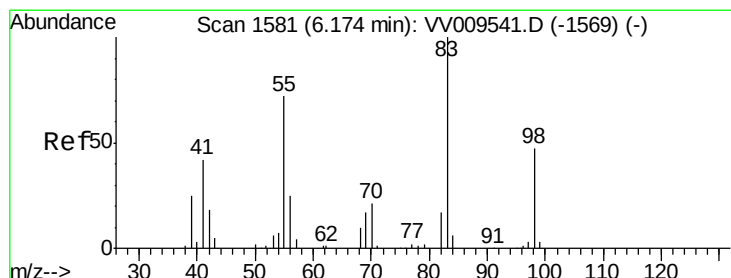
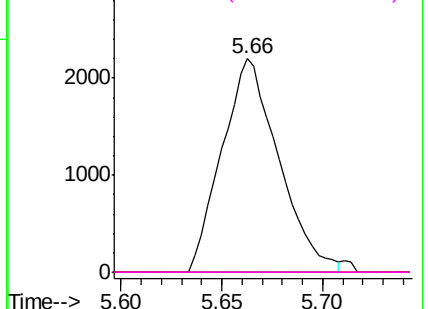


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 4.251 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV009547.D

Acq: 08 Mar 2019 18:58

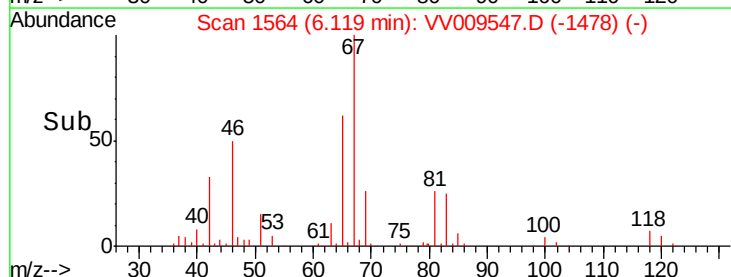
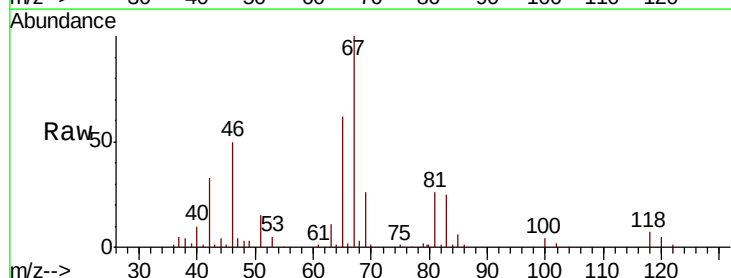
Tgt Ion: 83 Resp: 13354

Ion Ratio Lower Upper

83 100

55 0.5 58.8 88.2#

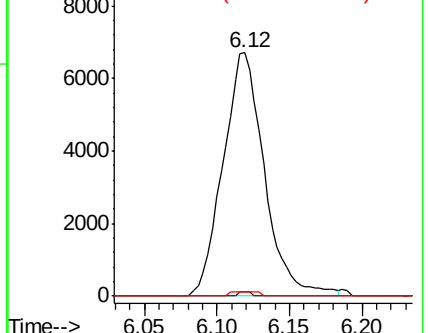
98 1.2 37.7 56.5#

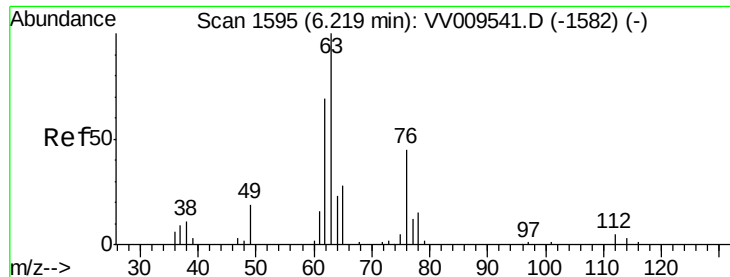


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

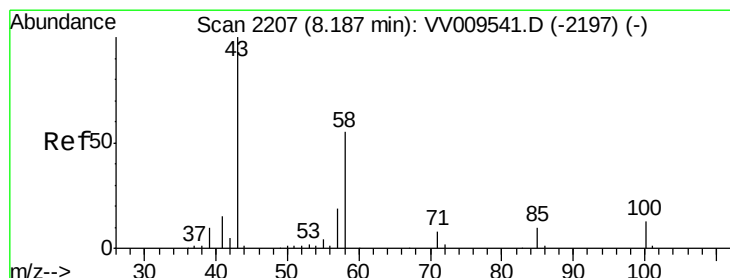
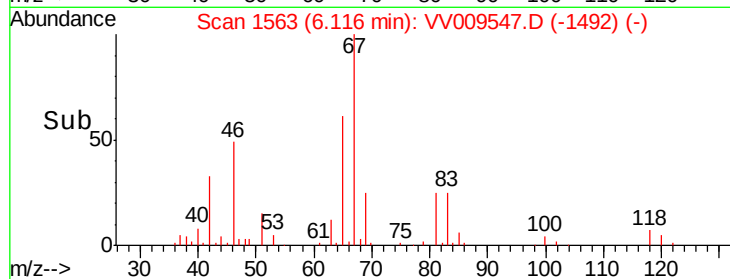
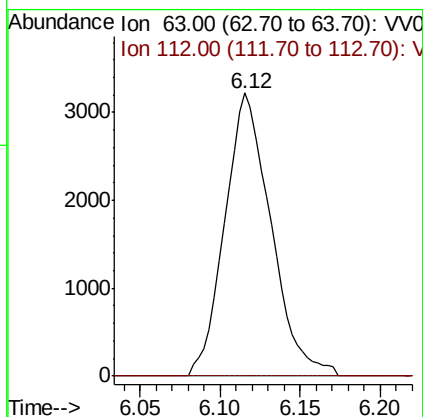
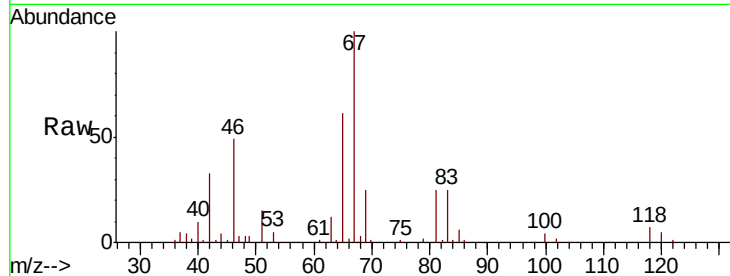




#40
 1,2-Dichloropropane
 Concen: 3.674 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009547.D
 Acq: 08 Mar 2019 18:58

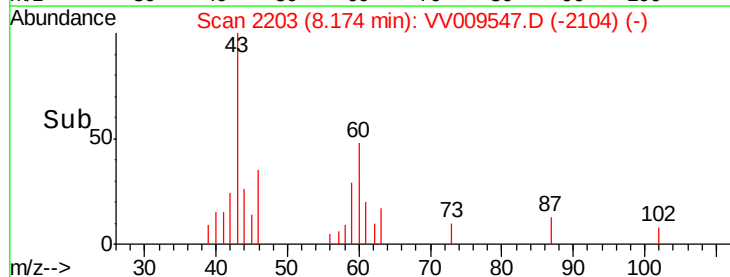
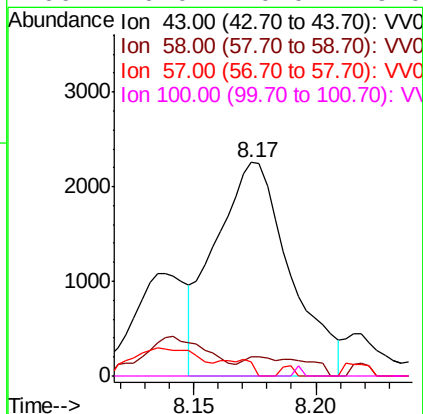
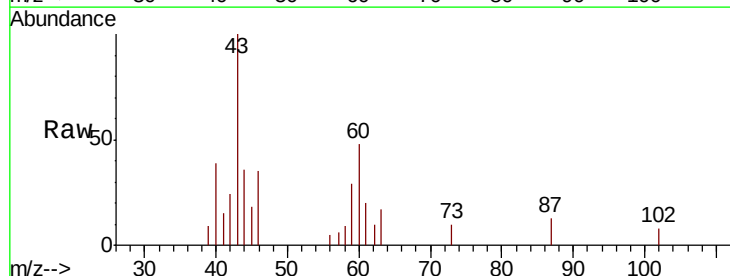
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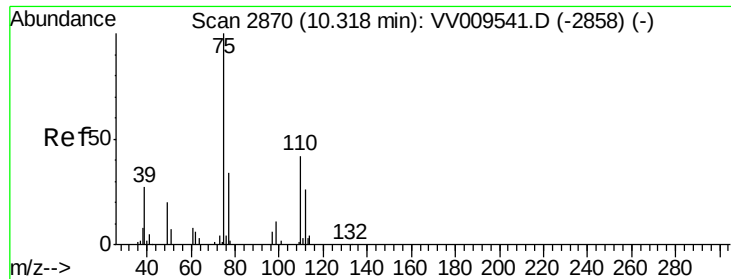
Tgt Ion: 63 Resp: 6358
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#49
 2-Hexanone
 Concen: 4.645 ug/L
 RT: 8.17 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: VV009547.D
 Acq: 08 Mar 2019 18:58

Tgt Ion: 43 Resp: 4791
 Ion Ratio Lower Upper
 43 100
 58 1.1 46.3 69.5#
 57 0.8 15.8 23.6#
 100 0.0 10.0 15.0#





#59
 1,2,3-Trichloropropane
 Concen: 4.724 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV009547.D
 Acq: 08 Mar 2019 18:58

Instrument :
 MSVOA_V
 ClientSampleId :
 BF626

Tgt Ion: 75 Resp: 6913
 Ion Ratio Lower Upper
 75 100
 77 92.7 25.9 38.9#

