

Data File : VV009505.D
Acq On : 06 Mar 2019 00:05
Operator : SY/MD
Sample : K1736-02
Misc : 4.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF620

Quant Time: Mar 06 04:17:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 06 04:12:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	87057	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	75248	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	27664	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20750	19.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.20%
7) Chloroethane-d5	1.57	69	25702	16.96	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.84%
10) 1,1-Dichloroethene-d2	2.13	63	45762	16.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.12%
20) 2-Butanone-d5	3.94	46	14199	39.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.52%
24) Chloroform-d	4.40	84	60235	29.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	116.16%
26) 1,2-Dichloroethane-d4	5.08	65	41843	35.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	141.88%#
29) Benzene-d6	5.10	84	111420	29.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	119.60%
33) 1,2-Dichloropropane-d6	6.12	67	39247	35.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	142.76%#
37) Toluene-d8	7.36	98	98665	27.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.64%
38) trans-1,3-Dichloropropene-	7.66	79	12082	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.68%
39) 2-Hexanone-d5	8.13	63	12859	50.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	38582	32.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	131.68%#
61) 1,2-Dichlorobenzene-d4	11.68	152	28180	27.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.60%

Target Compounds

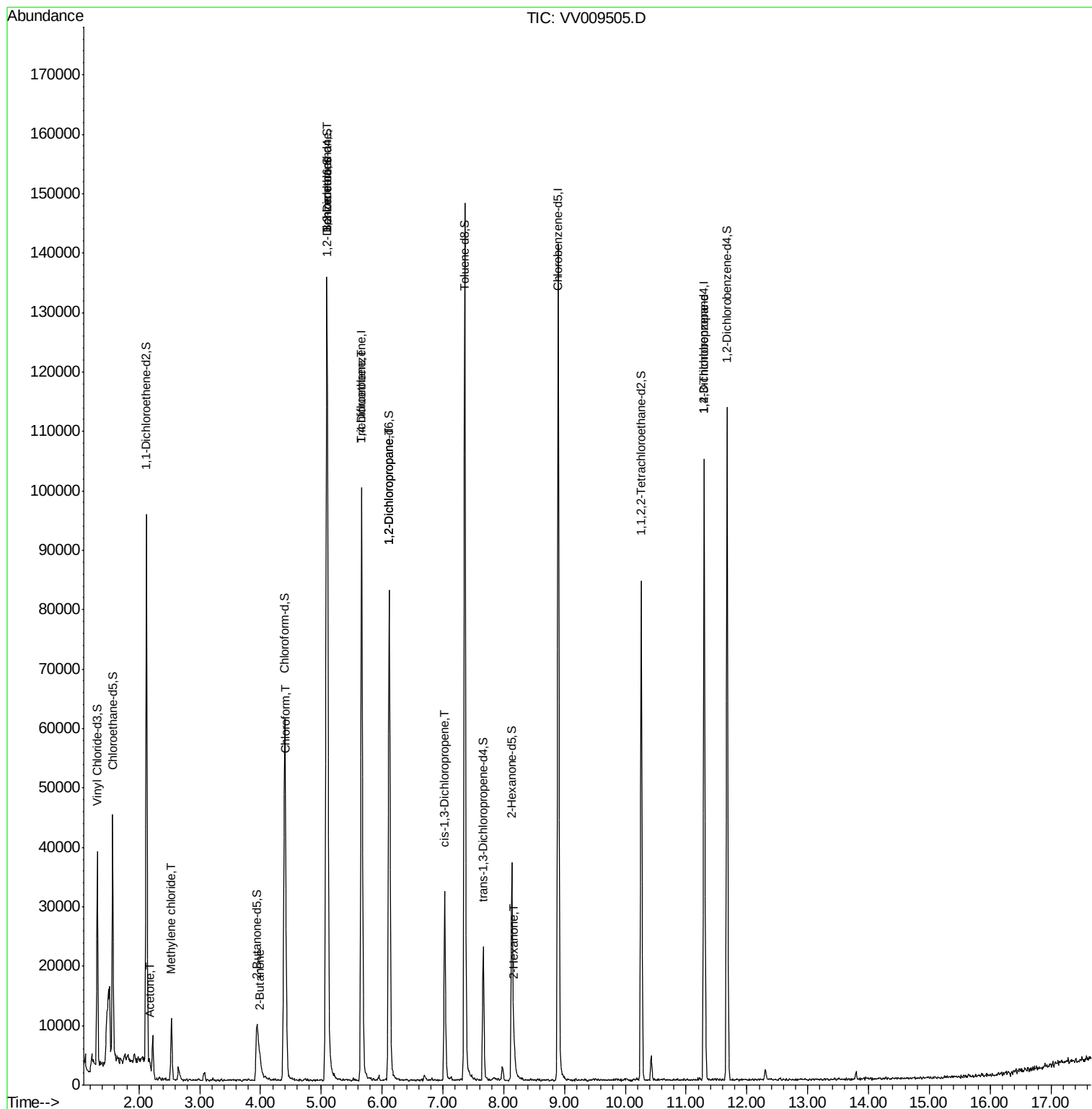
					Qvalue
13) Acetone	2.19	43	1469	4.046 ug/L	49
16) Methylene chloride	2.53	84	4155	3.637 ug/L	99
21) 2-Butanone	4.00	43	447	0.975 ug/L #	48
25) Chloroform	4.42	83	966	0.473 ug/L #	59
27) 1,2-Dichloroethane	5.10	62	542	0.382 ug/L #	77
35) Trichloroethene	5.66	95	2604	2.330 ug/L #	6
40) 1,2-Dichloropropane	6.12	63	4762	4.750 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1049	0.674 ug/L #	61
49) 2-Hexanone	8.17	43	2987	4.998 ug/L #	42
59) 1,2,3-Trichloropropane	11.30	75	3728	4.397 ug/L #	83

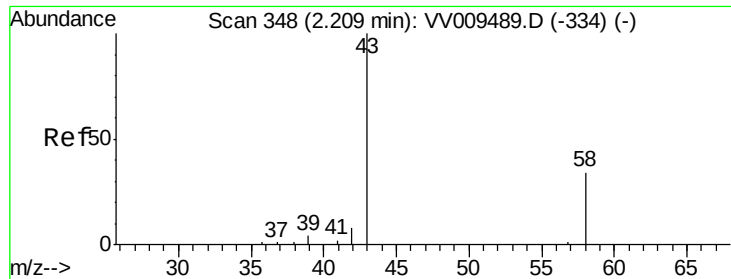
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.046 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV009505.D

Acq: 06 Mar 2019 00:05

Instrument :

MSVOA_V

ClientSampled :

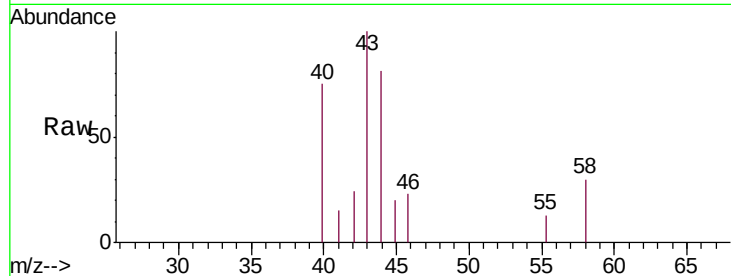
BF620

Tgt Ion: 43 Resp: 1469

Ion Ratio Lower Upper

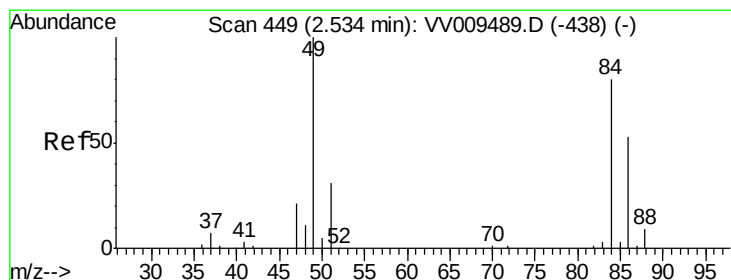
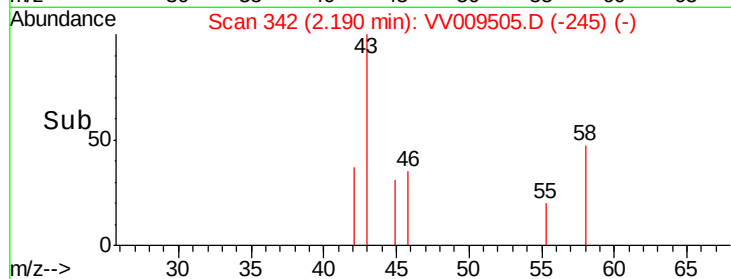
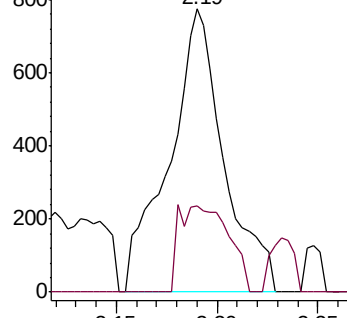
43 100

58 5.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009489.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009489.D (-334) (-)



#16

Methylene chloride

Concen: 3.637 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009505.D

Acq: 06 Mar 2019 00:05

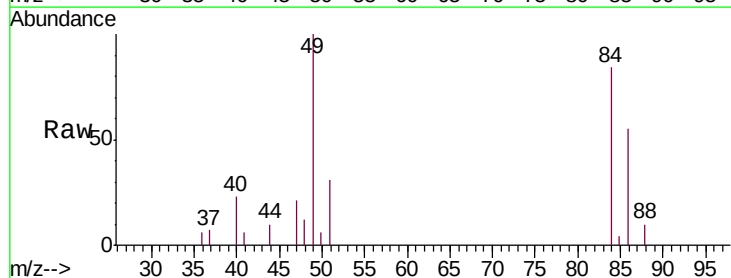
Tgt Ion: 84 Resp: 4155

Ion Ratio Lower Upper

84 100

49 119.1 84.6 157.0

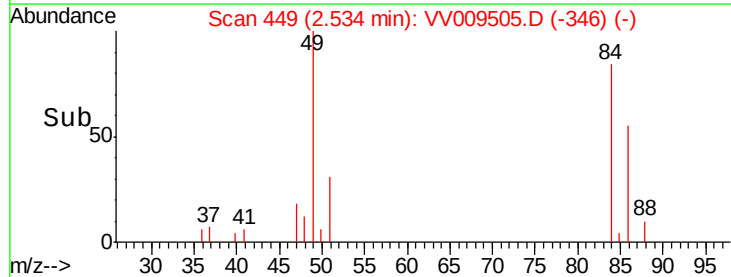
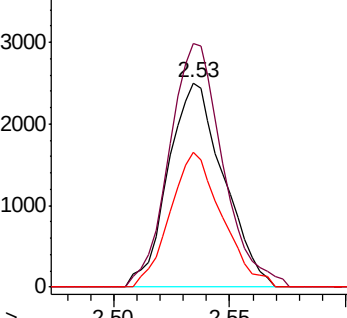
86 66.0 46.1 85.7

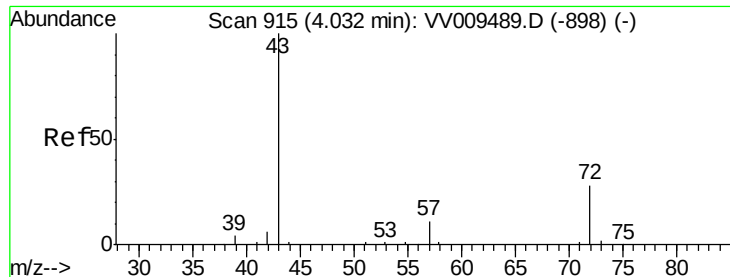


Abundance Ion 84.00 (83.70 to 84.70): VV009489.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV009489.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV009489.D (-438) (-)





#21

2-Butanone

Concen: 0.975 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.03 min

Lab File: VV009505.D

Acq: 06 Mar 2019 00:05

Instrument :

MSVOA_V

ClientSampled :

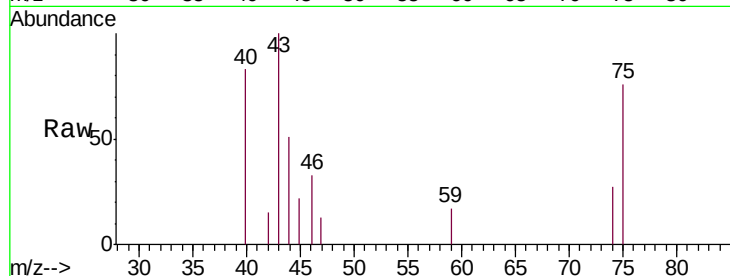
BF620

Tgt Ion: 43 Resp: 447

Ion Ratio Lower Upper

43 100

72 0.0 13.7 41.0#



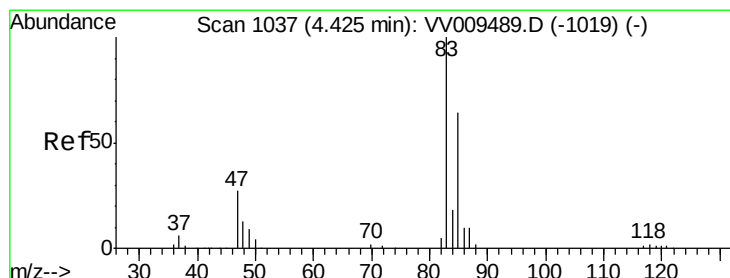
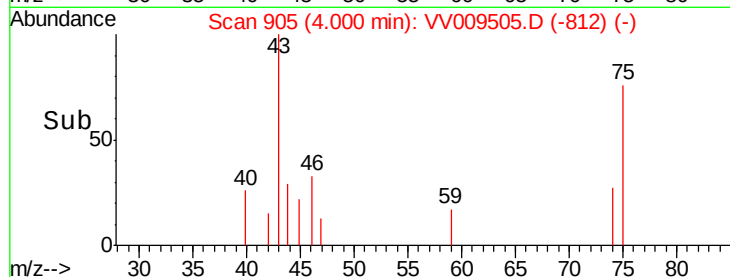
Abundance Ion 43.00 (42.70 to 43.70): VV009489.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV009489.D (-898) (-)

Time-->

4.00

4.02



#25

Chloroform

Concen: 0.473 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV009505.D

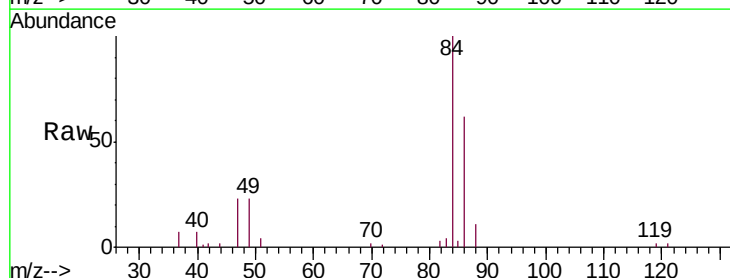
Acq: 06 Mar 2019 00:05

Tgt Ion: 83 Resp: 966

Ion Ratio Lower Upper

83 100

85 32.2 45.4 84.2#



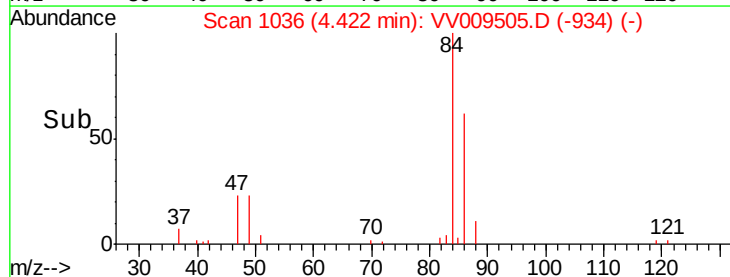
Abundance Ion 83.00 (82.70 to 83.70): VV009489.D (-1019) (-)

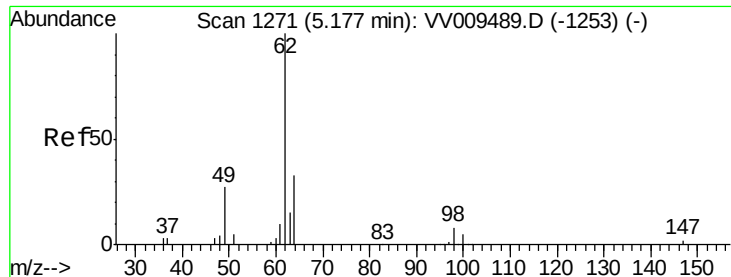
Ion 85.00 (84.70 to 85.70): VV009489.D (-1019) (-)

Time-->

4.42

4.45





#27

1,2-Dichloroethane

Concen: 0.382 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.08 min

Lab File: VV009505.D

Acq: 06 Mar 2019 00:05

Instrument :

MSVOA_V

ClientSampleId :

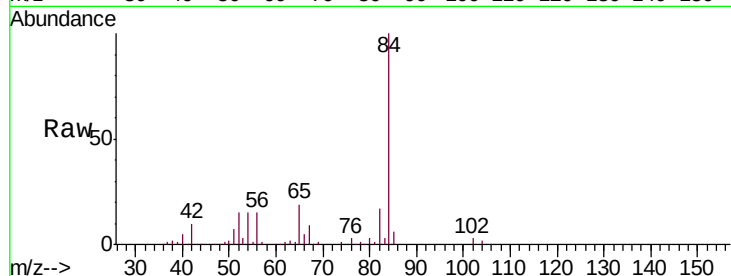
BF620

Tgt Ion: 62 Resp: 542

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV009489.D (-1253) (-)

Ion 98.00 (97.70 to 98.70): VV009489.D (-1253) (-)

5.10

300

200

100

0

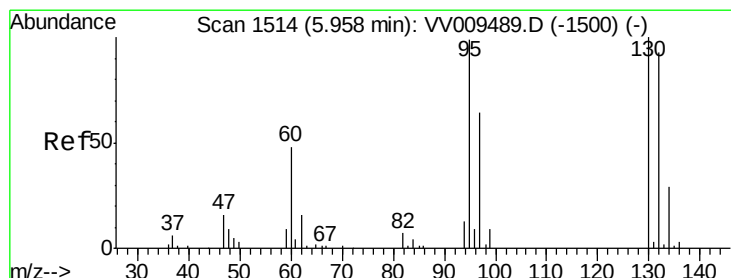
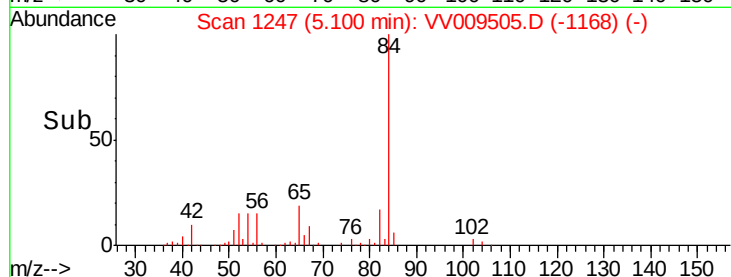
5.06

5.08

5.10

5.12

Time-->



#35

Trichloroethene

Concen: 2.330 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV009505.D

Acq: 06 Mar 2019 00:05

Tgt Ion: 95 Resp: 2604

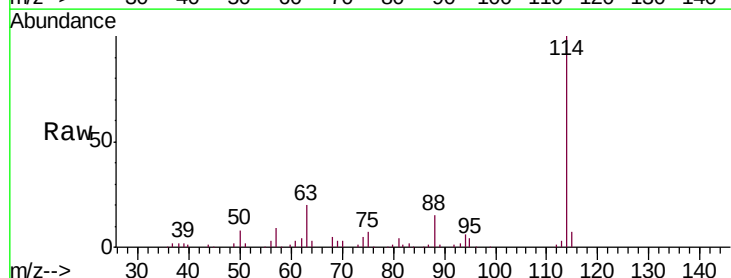
Ion Ratio Lower Upper

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): VV009489.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV009489.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV009489.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009489.D (-1500) (-)

2000

1500

1000

500

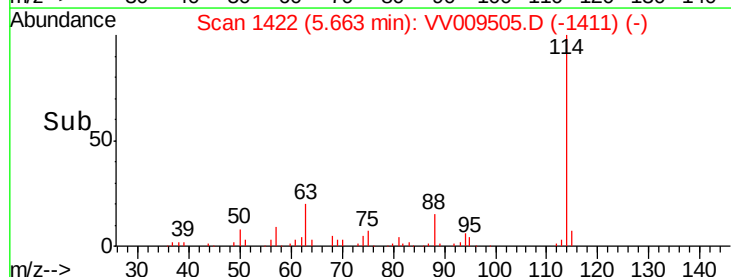
0

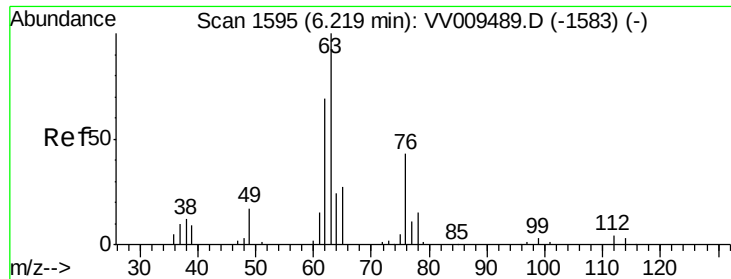
5.65

5.66

5.70

Time-->

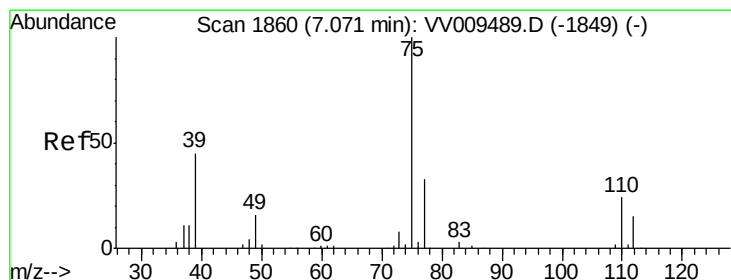
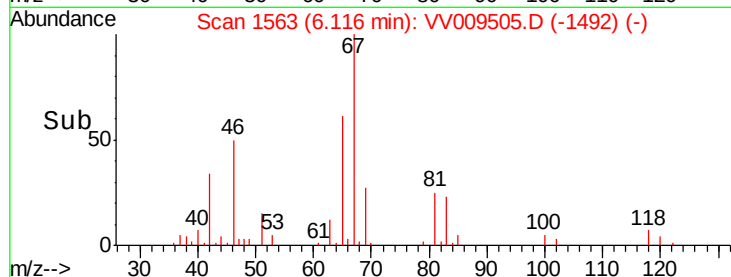
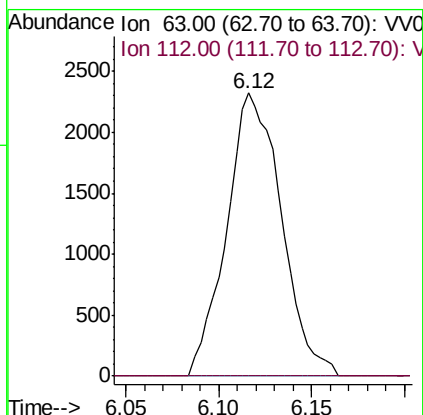
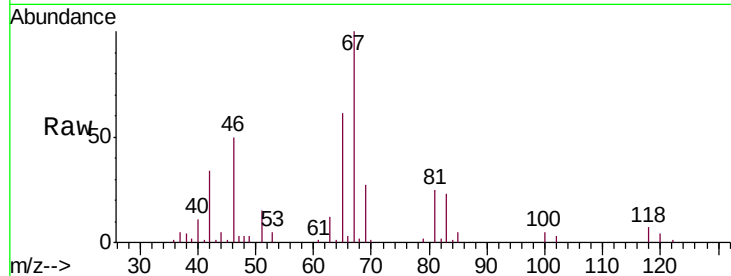




#40
 1,2-Dichloropropane
 Concen: 4.750 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009505.D
 Acq: 06 Mar 2019 00:05

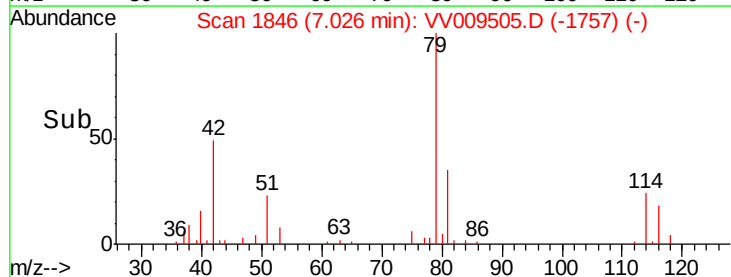
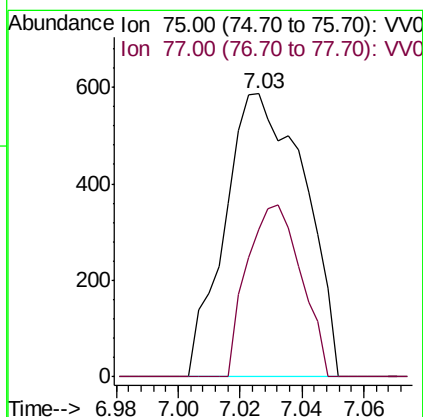
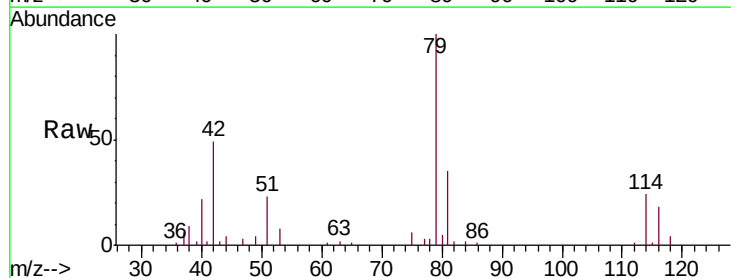
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 MSVOA_V
 ClientSampled :
 BF620

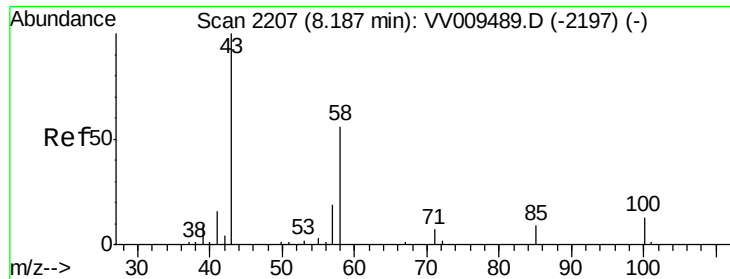
Tgt Ion: 63 Resp: 4762
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.674 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV009505.D
 Acq: 06 Mar 2019 00:05

Tgt Ion: 75 Resp: 1049
 Ion Ratio Lower Upper
 75 100
 77 52.1 21.4 39.8#

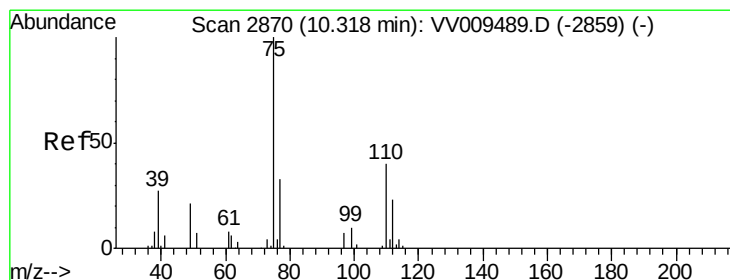
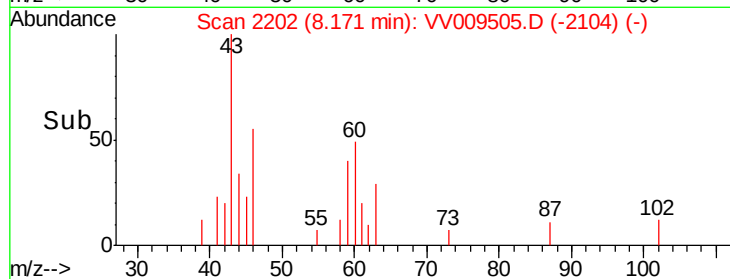
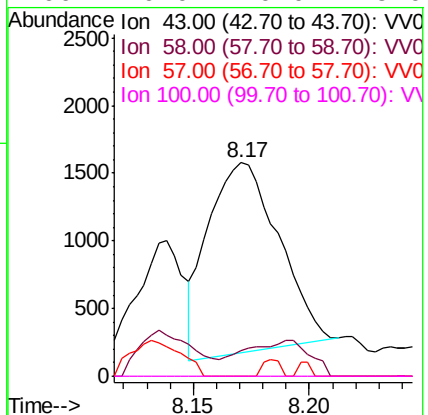
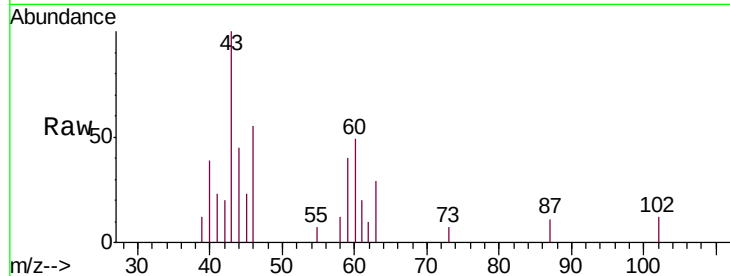




#49
2-Hexanone
Concen: 4.998 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. -0.02 min
Lab File: VV009505.D
Acq: 06 Mar 2019 00:05

Instrument :
MSVOA_V
ClientSampleId :
BF620

Tgt Ion: 43 Resp: 2987
Ion Ratio Lower Upper
43 100
58 7.3 46.3 69.5#
57 0.0 15.8 23.6#
100 0.0 10.0 15.0#



#59
1,2,3-Trichloropropane
Concen: 4.397 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.98 min
Lab File: VV009505.D
Acq: 06 Mar 2019 00:05

Tgt Ion: 75 Resp: 3728
Ion Ratio Lower Upper
75 100
77 41.9 25.9 38.9#

