

Data File : VV009588.D
Acq On : 11 Mar 2019 12:17
Operator : SY/MD
Sample : K1818-18
Misc : 5.86G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0R8

Quant Time: Mar 11 12:49:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 12:01:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	138837	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	131571	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56914	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28564	17.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.36%
7) Chloroethane-d5	1.57	69	34824	14.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.64%
10) 1,1-Dichloroethene-d2	2.13	63	69305	15.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.76%
20) 2-Butanone-d5	3.93	46	22081	38.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.54%
24) Chloroform-d	4.40	84	67990	20.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.24%
26) 1,2-Dichloroethane-d4	5.08	65	44643	23.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.92%
29) Benzene-d6	5.10	84	157242	24.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.52%
33) 1,2-Dichloropropane-d6	6.12	67	48387	25.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.64%
37) Toluene-d8	7.36	98	152276	23.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.88%
38) trans-1,3-Dichloropropene-	7.66	79	18496	19.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.40%
39) 2-Hexanone-d5	8.13	63	16715	37.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	42160	20.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	52095	25.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.28%

Target Compounds

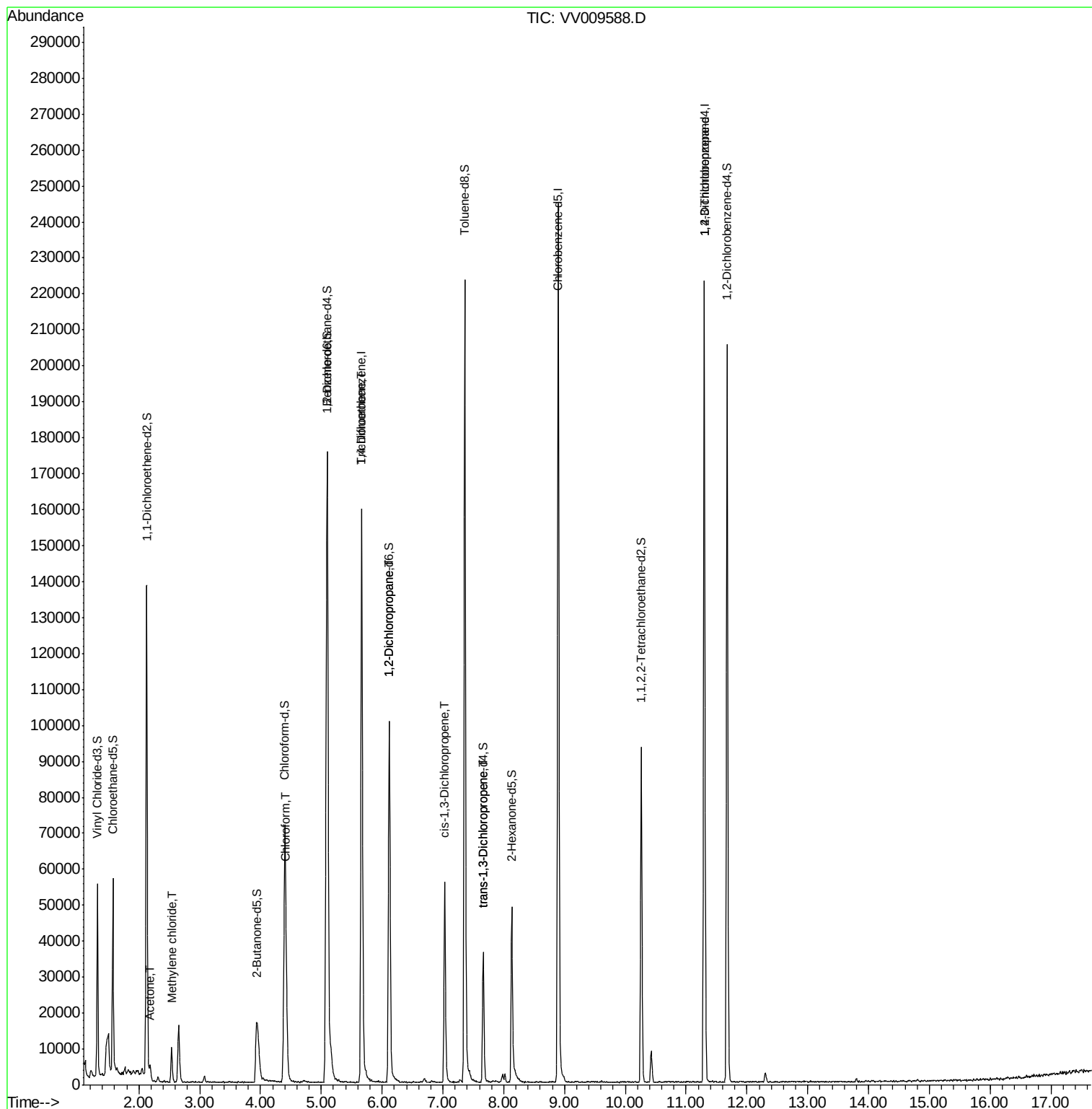
					Qvalue
13) Acetone	2.19	43	2601	4.492 ug/L	84
16) Methylene chloride	2.54	84	4080	2.239 ug/L	91
25) Chloroform	4.43	83	11886	3.646 ug/L	97
35) Trichloroethene	5.66	95	3421	1.751 ug/L #	6
40) 1,2-Dichloropropane	6.12	63	5581	3.184 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1849	0.679 ug/L #	68
45) trans-1,3-Dichloropropene	7.66	75	1122	0.472 ug/L #	51
59) 1,2,3-Trichloropropane	11.30	75	9347	6.305 ug/L	97

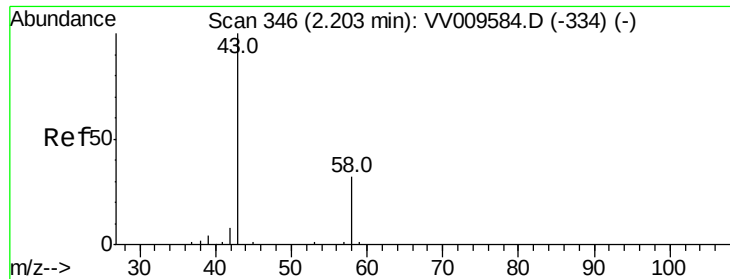
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 11 12:01:50 2019
Response via : Initial Calibration





#13

Acetone

Concen: 4.492 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV009588.D

Acq: 11 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampled :

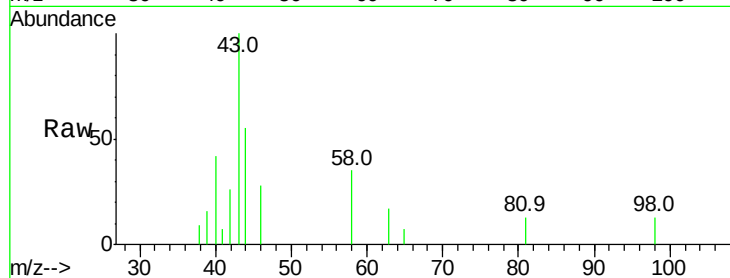
BF0R8

Tgt Ion: 43 Resp: 2601

Ion Ratio Lower Upper

43 100

58 25.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009588.D (-242) (-)

Ion 58.00 (57.70 to 58.70): VV009588.D (-242) (-)

1500

1000

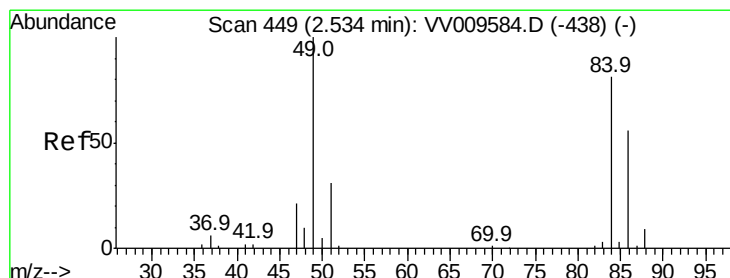
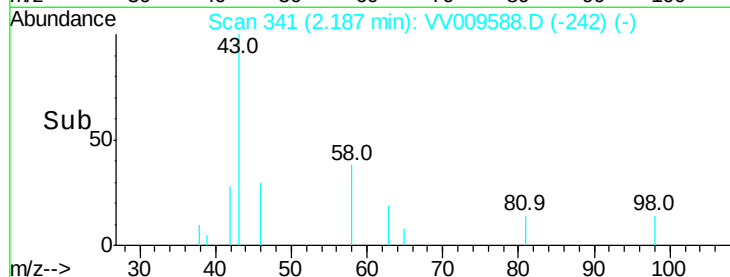
500

0

2.15

2.20

Time-->



#16

Methylene chloride

Concen: 2.239 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009588.D

Acq: 11 Mar 2019 12:17

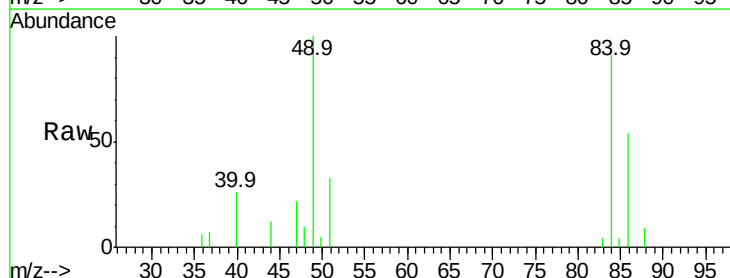
Tgt Ion: 84 Resp: 4080

Ion Ratio Lower Upper

84 100

49 110.1 84.6 157.0

86 59.2 46.1 85.7



Abundance Ion 84.00 (83.70 to 84.70): VV009588.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV009588.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV009588.D (-346) (-)

3000

2000

1000

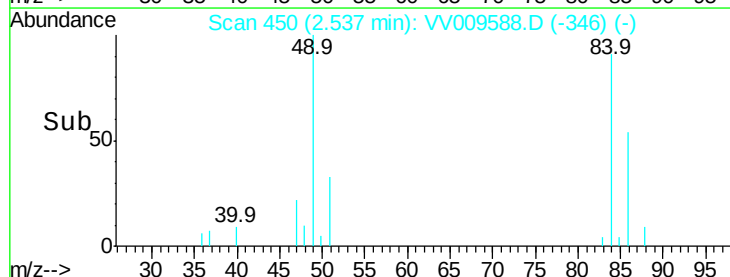
0

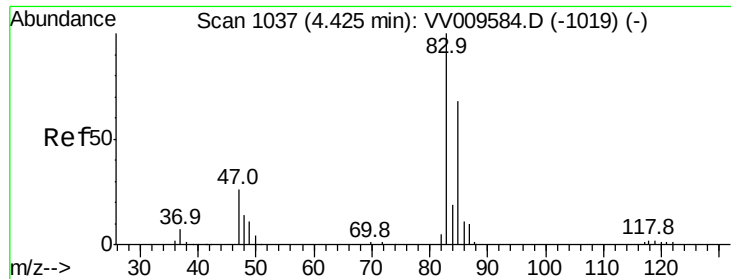
2.50

2.55

2.60

Time-->





#25

Chloroform

Concen: 3.646 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV009588.D

Acq: 11 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

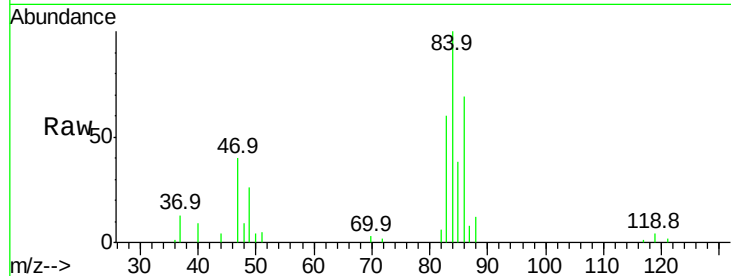
BF0R8

Tgt Ion: 83 Resp: 11886

Ion Ratio Lower Upper

83 100

85 67.0 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VV009588.D (-1034) (-)

Ion 85.00 (84.70 to 85.70): VV009588.D (-1034) (-)

4.43

4000

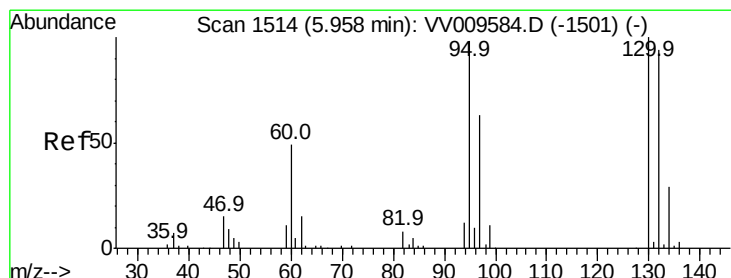
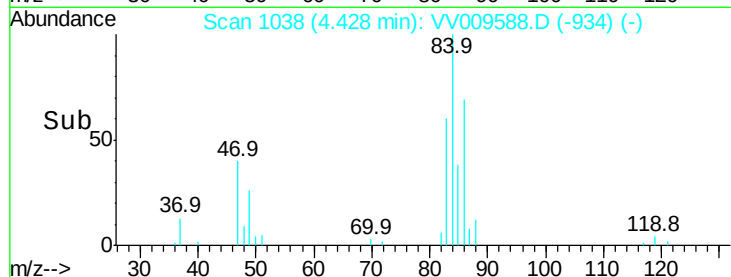
3000

2000

1000

0

Time-->



#35

Trichloroethene

Concen: 1.751 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV009588.D

Acq: 11 Mar 2019 12:17

Tgt Ion: 95 Resp: 3421

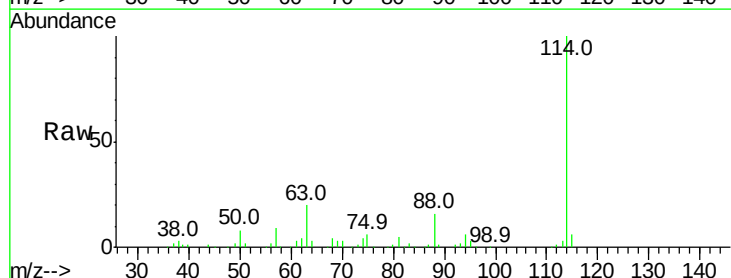
Ion Ratio Lower Upper

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): VV009588.D (-1411) (-)

Ion 97.00 (96.70 to 97.70): VV009588.D (-1411) (-)

Ion 132.00 (131.70 to 132.70): VV009588.D (-1411) (-)

Ion 130.00 (129.70 to 130.70): VV009588.D (-1411) (-)

5.66

3000

2500

2000

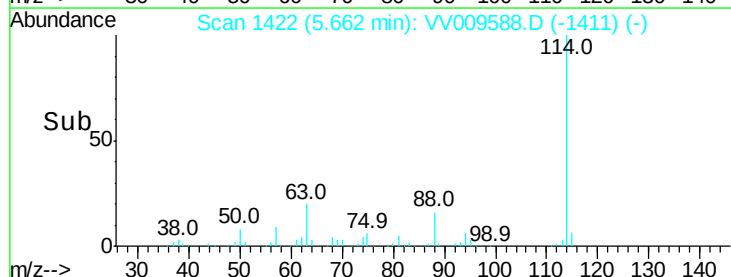
1500

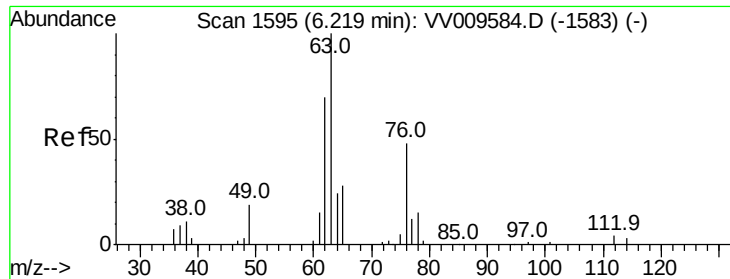
1000

500

0

Time-->

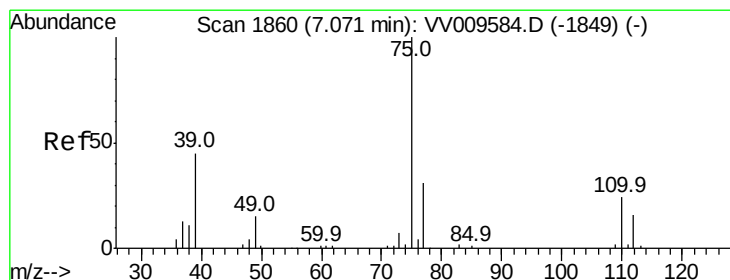
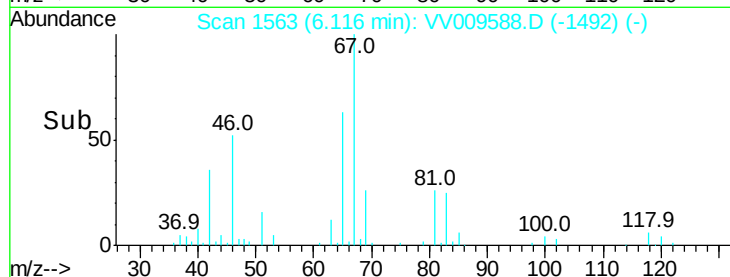
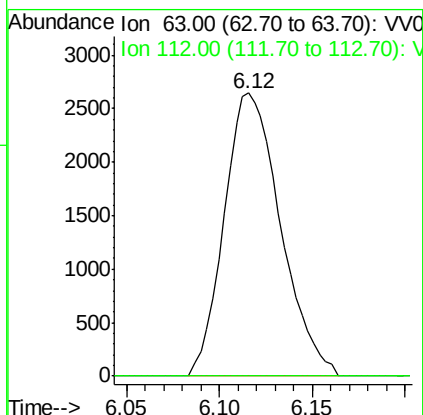
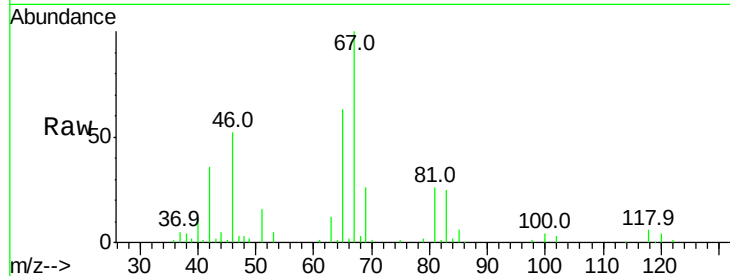




#40
 1,2-Dichloropropane
 Concen: 3.184 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009588.D
 Acq: 11 Mar 2019 12:17

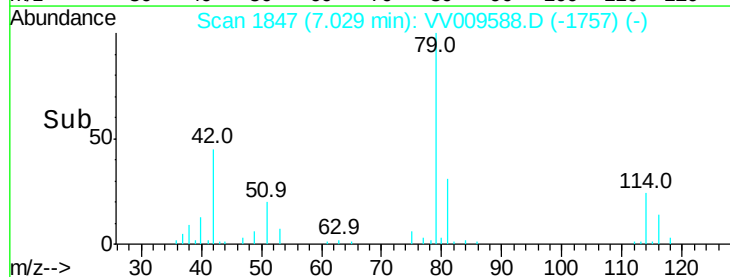
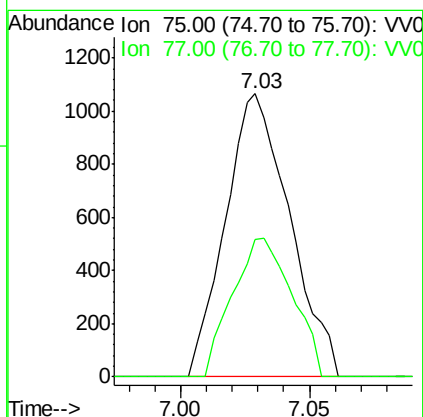
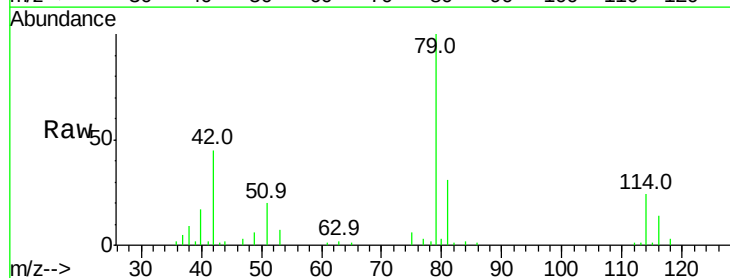
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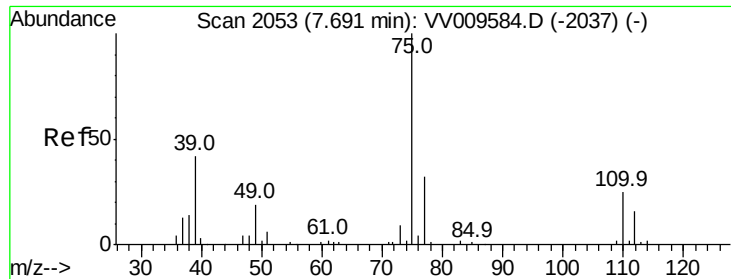
Tgt Ion: 63 Resp: 5581
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.679 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009588.D
 Acq: 11 Mar 2019 12:17

Tgt Ion: 75 Resp: 1849
 Ion Ratio Lower Upper
 75 100
 77 48.4 21.4 39.8#





#45

trans-1,3-Dichloropropene

Concen: 0.472 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009588.D

Acq: 11 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

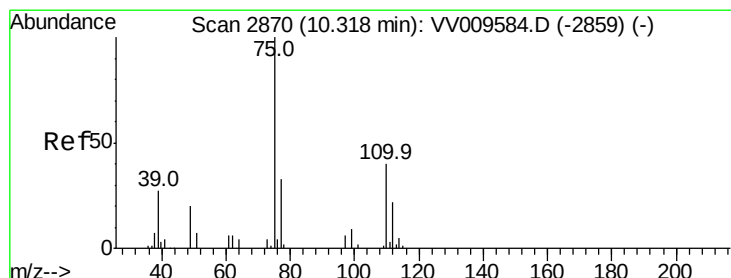
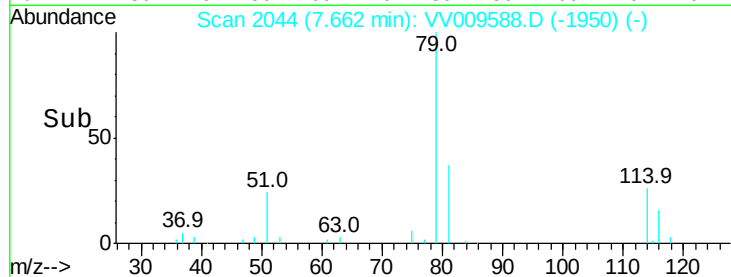
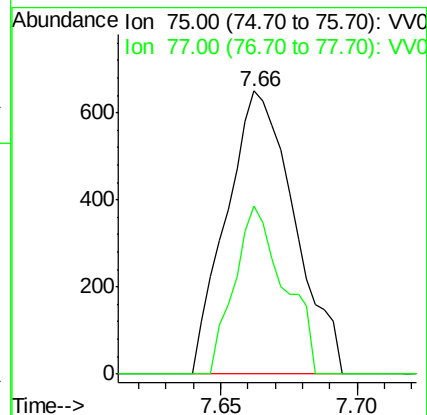
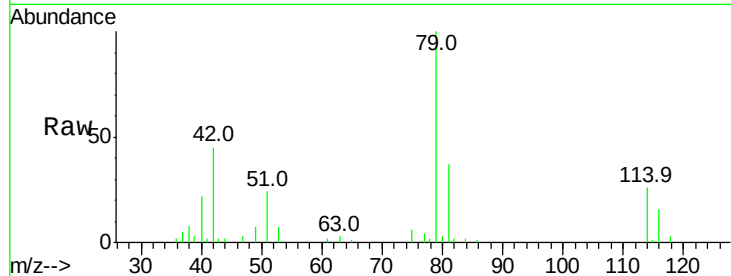
BF0R8

Tgt Ion: 75 Resp: 1122

Ion Ratio Lower Upper

75 100

77 59.5 22.5 41.7#



#59

1,2,3-Trichloropropane

Concen: 6.305 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009588.D

Acq: 11 Mar 2019 12:17

Tgt Ion: 75 Resp: 9347

Ion Ratio Lower Upper

75 100

77 34.2 25.9 38.9

