

Data File : VV009901.D
Acq On : 26 Mar 2019 18:36
Operator : SY/MD
Sample : K2083-17
Misc : 6.30G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0J4

Quant Time: Mar 27 01:47:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 01:42:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	156792	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	157498	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68340	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84129	26.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.76%
7) Chloroethane-d5	1.58	69	89900	26.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.64%
10) 1,1-Dichloroethene-d2	2.13	63	180132	20.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.80%
20) 2-Butanone-d5	3.93	46	24247	40.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.80%
24) Chloroform-d	4.40	84	102633	25.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.76%
26) 1,2-Dichloroethane-d4	5.08	65	63471	26.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.60%
29) Benzene-d6	5.10	84	232121	28.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.24%
33) 1,2-Dichloropropane-d6	6.12	67	68345	28.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.96%
37) Toluene-d8	7.36	98	214180	27.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.44%
38) trans-1,3-Dichloropropene-	7.66	79	23359	23.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.40%
39) 2-Hexanone-d5	8.13	63	16894	37.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	52868	22.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	70041	26.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.68%

Target Compounds

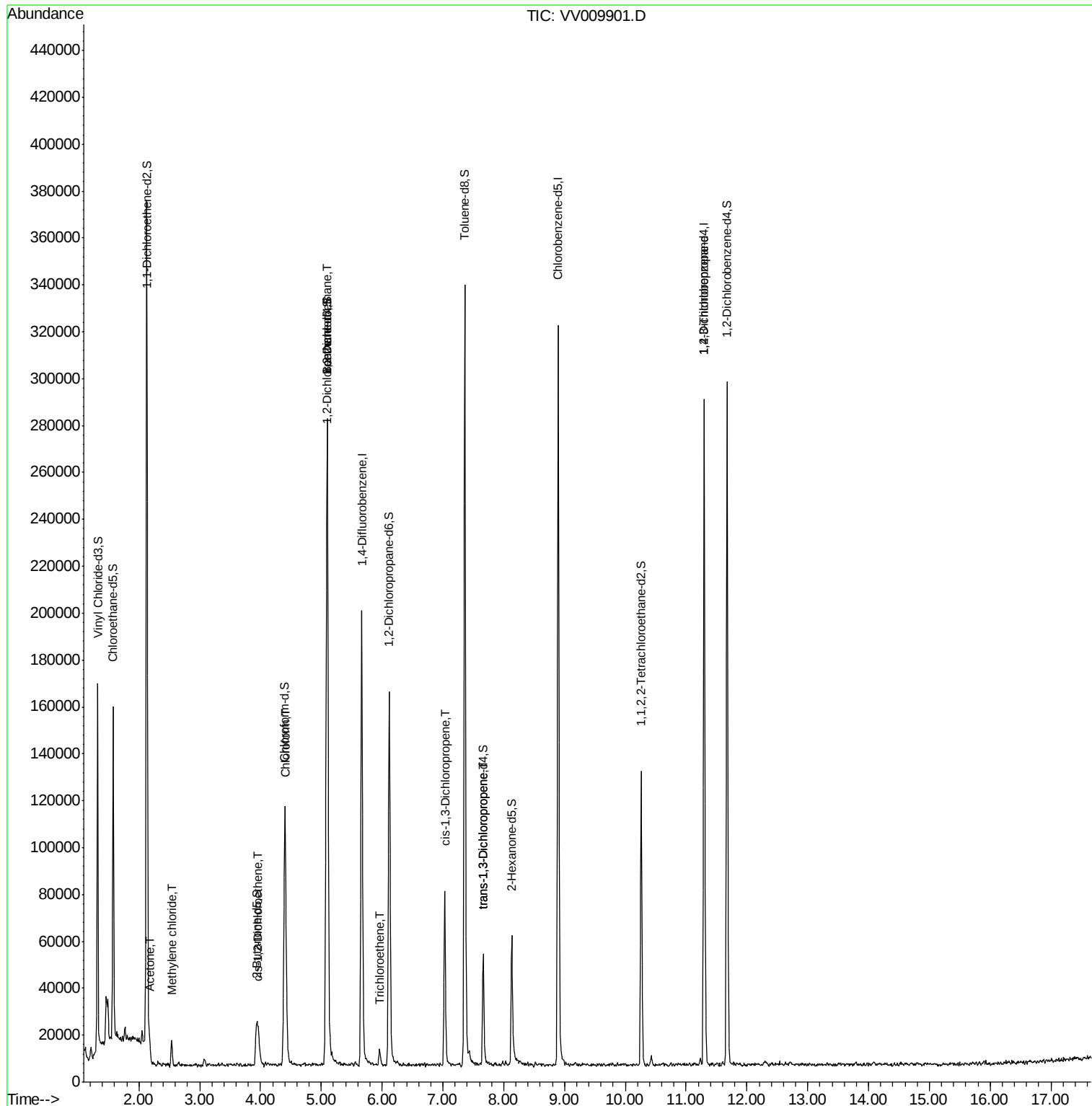
					Qvalue
13) Acetone	2.19	43	1477	1.645 ug/L	87
16) Methylene chloride	2.54	84	3859	1.495 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	5888	2.596 ug/L	87
25) Chloroform	4.42	83	3087	0.743 ug/L #	1
27) 1,2-Dichloroethane	5.10	62	1566	0.532 ug/L #	75
35) Trichloroethene	5.96	95	1792	0.786 ug/L	96
42) cis-1,3-Dichloropropene	7.03	75	2495	0.792 ug/L	85
45) trans-1,3-Dichloropropene	7.66	75	1530	0.593 ug/L #	28
59) 1,2,3-Trichloropropane	11.30	75	10953	6.299 ug/L	95

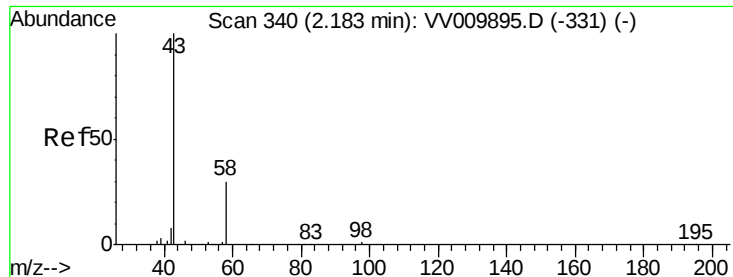
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.645 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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Acq: 26 Mar 2019 18:36

Instrument :

MSVOA_V

ClientSampleId :

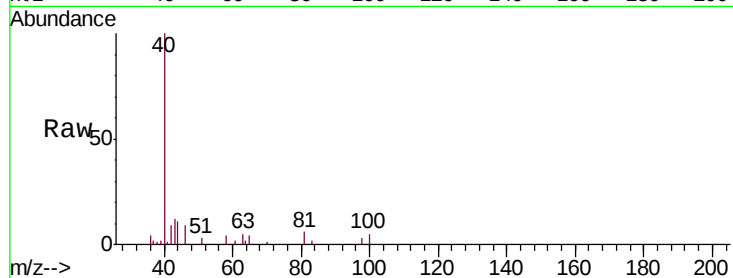
BF0J4

Tgt Ion: 43 Resp: 1477

Ion Ratio Lower Upper

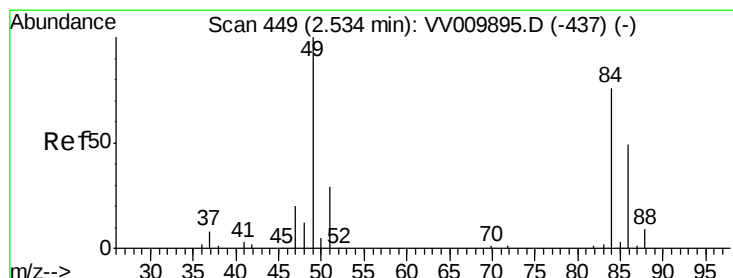
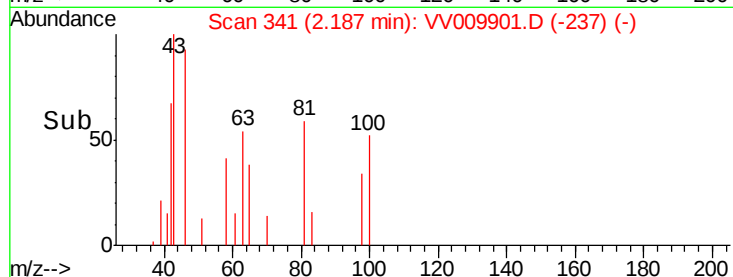
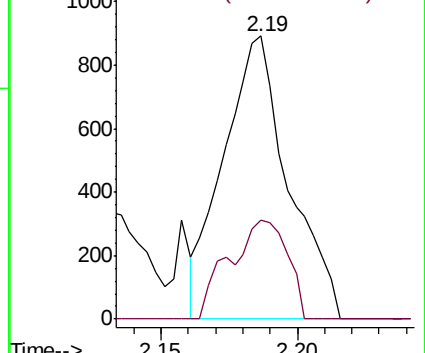
43 100

58 22.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009895.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009895.D (-331) (-)



#16

Methylene chloride

Concen: 1.495 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.01 min

Lab File: VV009901.D

Acq: 26 Mar 2019 18:36

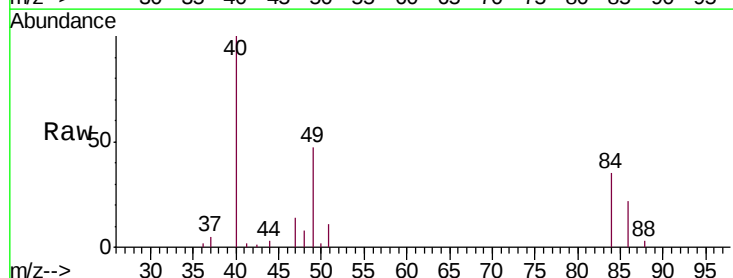
Tgt Ion: 84 Resp: 3859

Ion Ratio Lower Upper

84 100

49 134.6 90.4 167.8

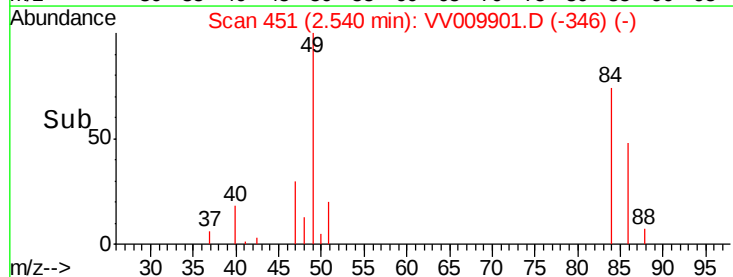
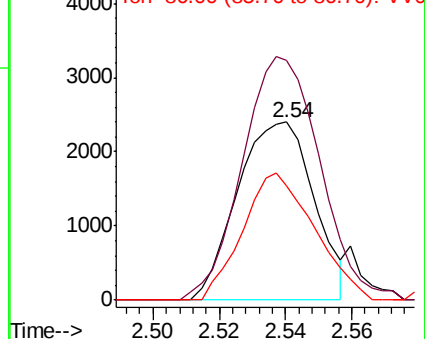
86 64.4 44.0 81.6

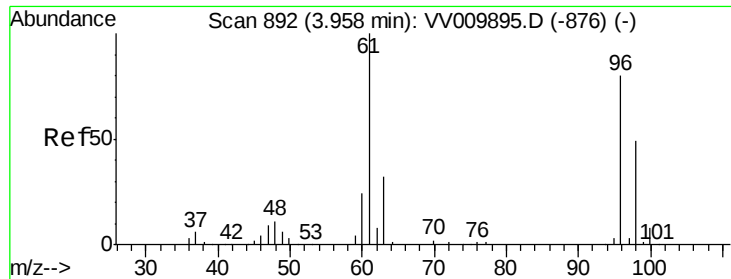


Abundance Ion 84.00 (83.70 to 84.70): VV009895.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV009895.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV009895.D (-437) (-)





#22

cis-1,2-Dichloroethene

Concen: 2.596 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

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Acq: 26 Mar 2019 18:36

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ClientSampleId :

BF0J4

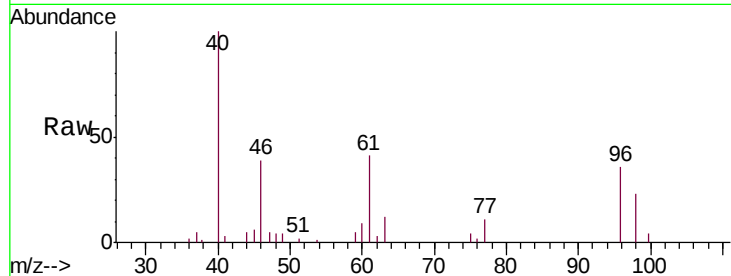
Tgt Ion: 96 Resp: 5888

Ion Ratio Lower Upper

96 100

61 113.0 91.4 169.8

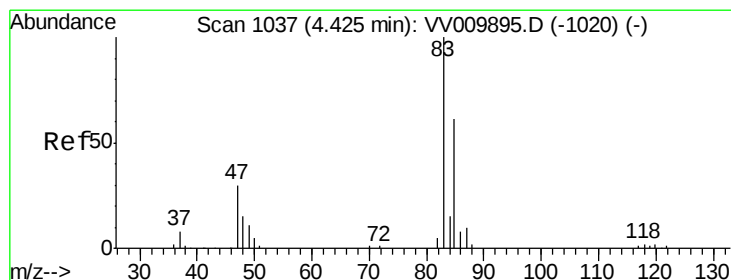
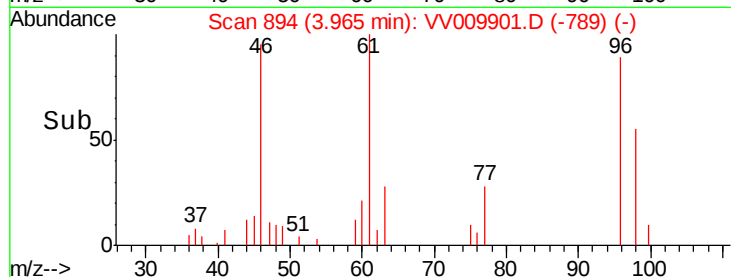
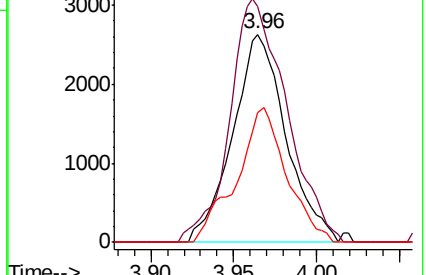
98 62.4 48.0 89.2



Abundance Ion 96.00 (95.70 to 96.70): VV009895.D (-876) (-)

Ion 61.00 (60.70 to 61.70): VV009895.D (-876) (-)

Ion 98.00 (97.70 to 98.70): VV009895.D (-876) (-)



#25

Chloroform

Concen: 0.743 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VV009901.D

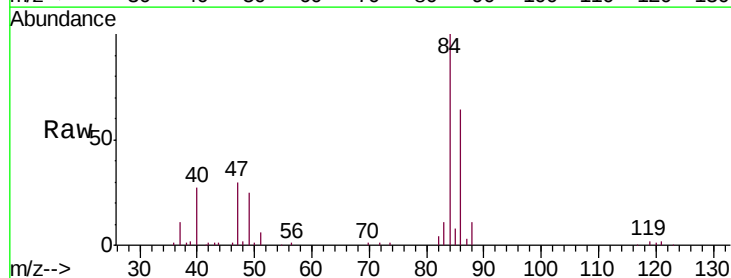
Acq: 26 Mar 2019 18:36

Tgt Ion: 83 Resp: 3087

Ion Ratio Lower Upper

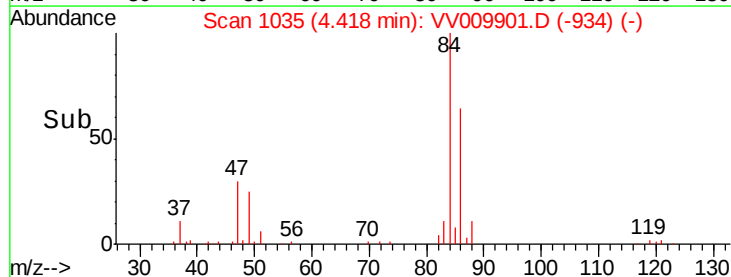
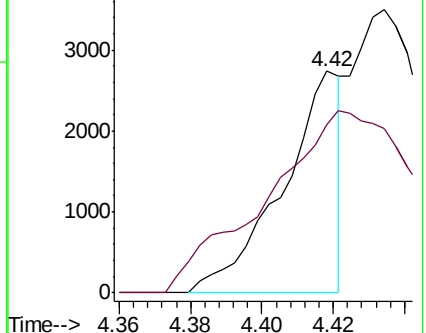
83 100

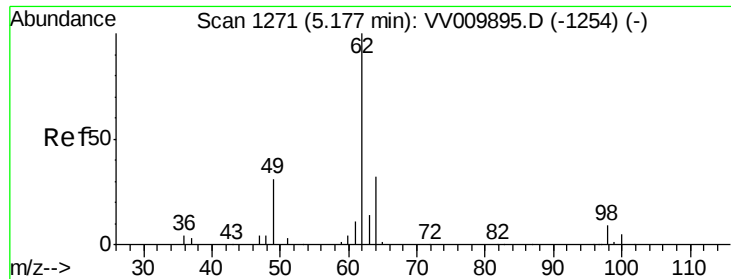
85 221.5 46.1 85.7#



Abundance Ion 83.00 (82.70 to 83.70): VV009895.D (-1020) (-)

Ion 85.00 (84.70 to 85.70): VV009895.D (-1020) (-)





#27

1,2-Dichloroethane

Concen: 0.532 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV009901.D

Acq: 26 Mar 2019 18:36

Instrument :

MSVOA_V

ClientSampleId :

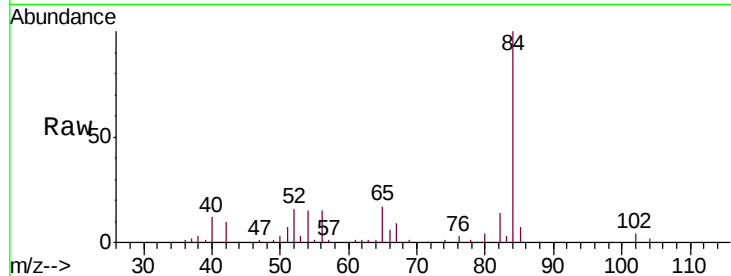
BF0J4

Tgt Ion: 62 Resp: 1566

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VV009895.D (-1254) (-)

Ion 98.00 (97.70 to 98.70): VV009895.D (-1254) (-)

5.10

600

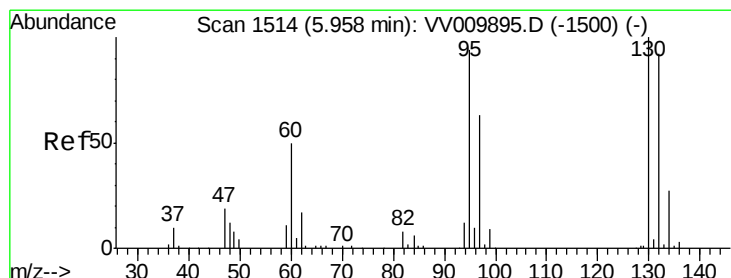
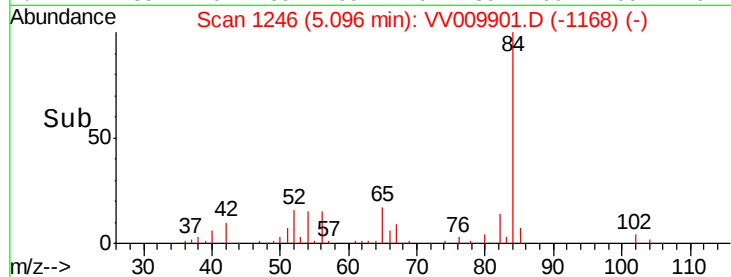
400

200

0

5.05 5.10 5.15

Time-->



#35

Trichloroethene

Concen: 0.786 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009901.D

Acq: 26 Mar 2019 18:36

Tgt Ion: 95 Resp: 1792

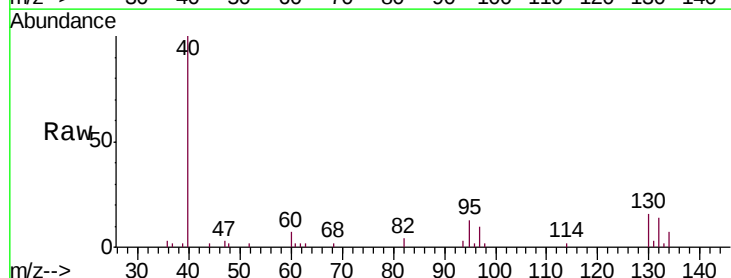
Ion Ratio Lower Upper

95 100

97 71.4 46.3 85.9

132 100.1 69.3 128.7

130 93.9 69.5 129.1



Abundance Ion 95.00 (94.70 to 95.70): VV009895.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV009895.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV009895.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009895.D (-1500) (-)

1500

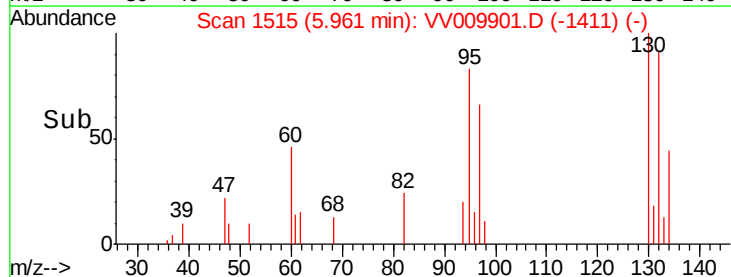
1000

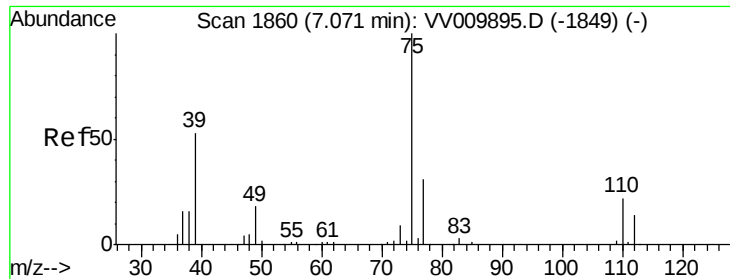
500

0

5.95 5.96 6.00

Time-->

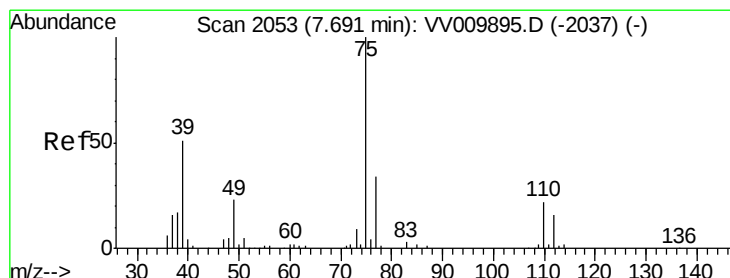
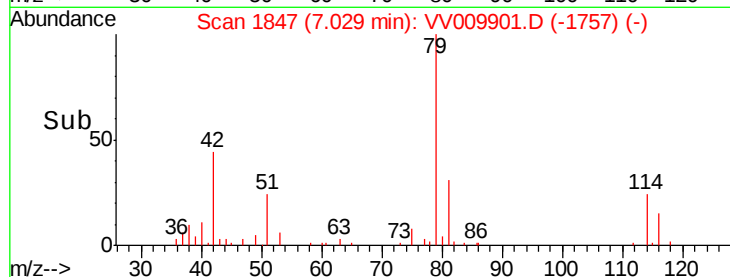
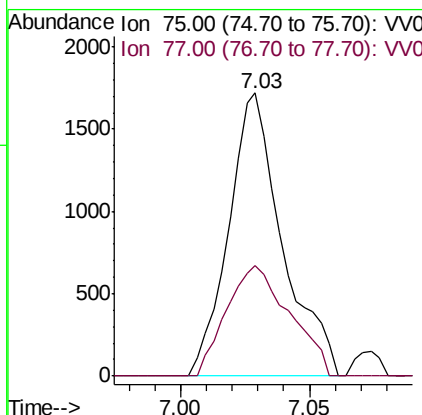
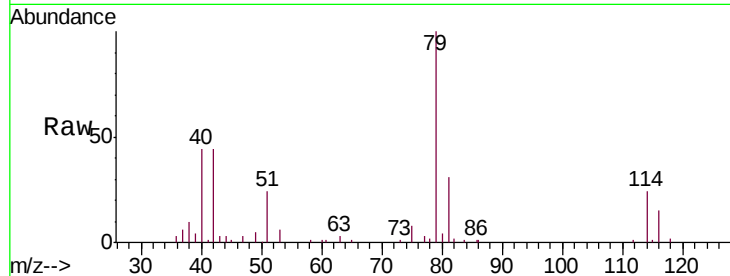




#42
 cis-1,3-Dichloropropene
 Concen: 0.792 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009901.D
 Acq: 26 Mar 2019 18:36

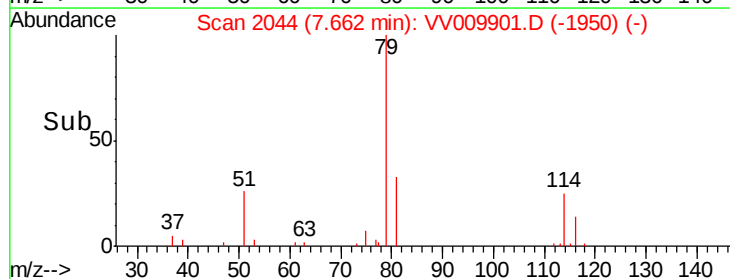
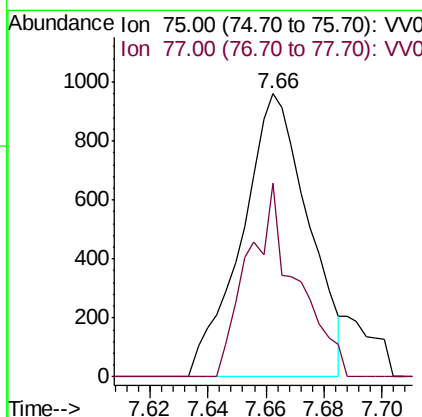
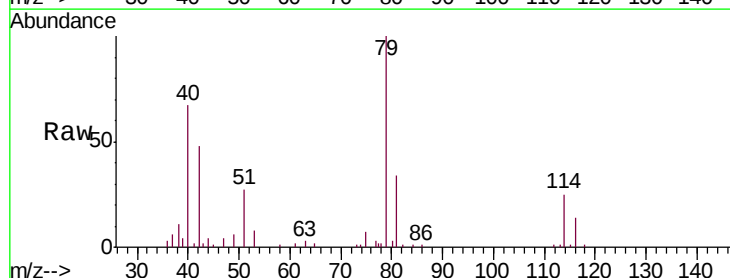
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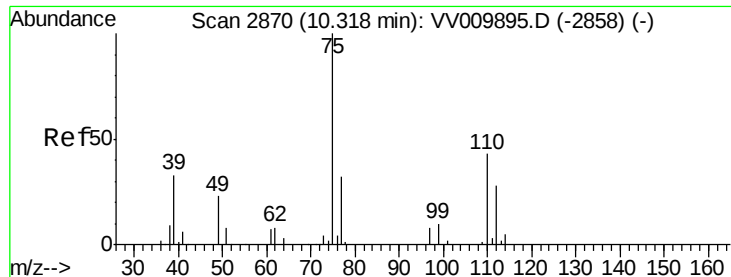
Tgt Ion: 75 Resp: 2495
 Ion Ratio Lower Upper
 75 100
 77 39.3 21.8 40.6



#45
 trans-1,3-Dichloropropene
 Concen: 0.593 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV009901.D
 Acq: 26 Mar 2019 18:36

Tgt Ion: 75 Resp: 1530
 Ion Ratio Lower Upper
 75 100
 77 68.5 20.7 38.5#





#59

1,2,3-Trichloropropane

Concen: 6.299 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009901.D

Acq: 26 Mar 2019 18:36

Instrument :

MSVOA_V

ClientSampleId :

BF0J4

Tgt Ion: 75 Resp: 10953

Ion Ratio Lower Upper

75 100

77 35.2 26.2 39.2

