

Data File : VV009899.D
Acq On : 26 Mar 2019 17:44
Operator : SY/MD
Sample : K2083-13
Misc : 6.52G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0J0

Quant Time: Mar 27 01:47:27 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	5.66	114	173217	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	167940	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	67157	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89241	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.56%
7) Chloroethane-d5	1.57	69	95326	25.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.44%
10) 1,1-Dichloroethene-d2	2.13	63	192797	20.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.20%
20) 2-Butanone-d5	3.93	46	31156	47.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.14%
24) Chloroform-d	4.40	84	109390	24.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.16%
26) 1,2-Dichloroethane-d4	5.08	65	67427	25.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.56%
29) Benzene-d6	5.10	84	243208	27.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.32%
33) 1,2-Dichloropropane-d6	6.12	67	71313	27.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.56%
37) Toluene-d8	7.36	98	221717	26.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.24%
38) trans-1,3-Dichloropropene-	7.66	79	26175	24.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.20%
39) 2-Hexanone-d5	8.13	63	22492	46.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.40%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57597	22.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	69749	27.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.12%

Target Compounds

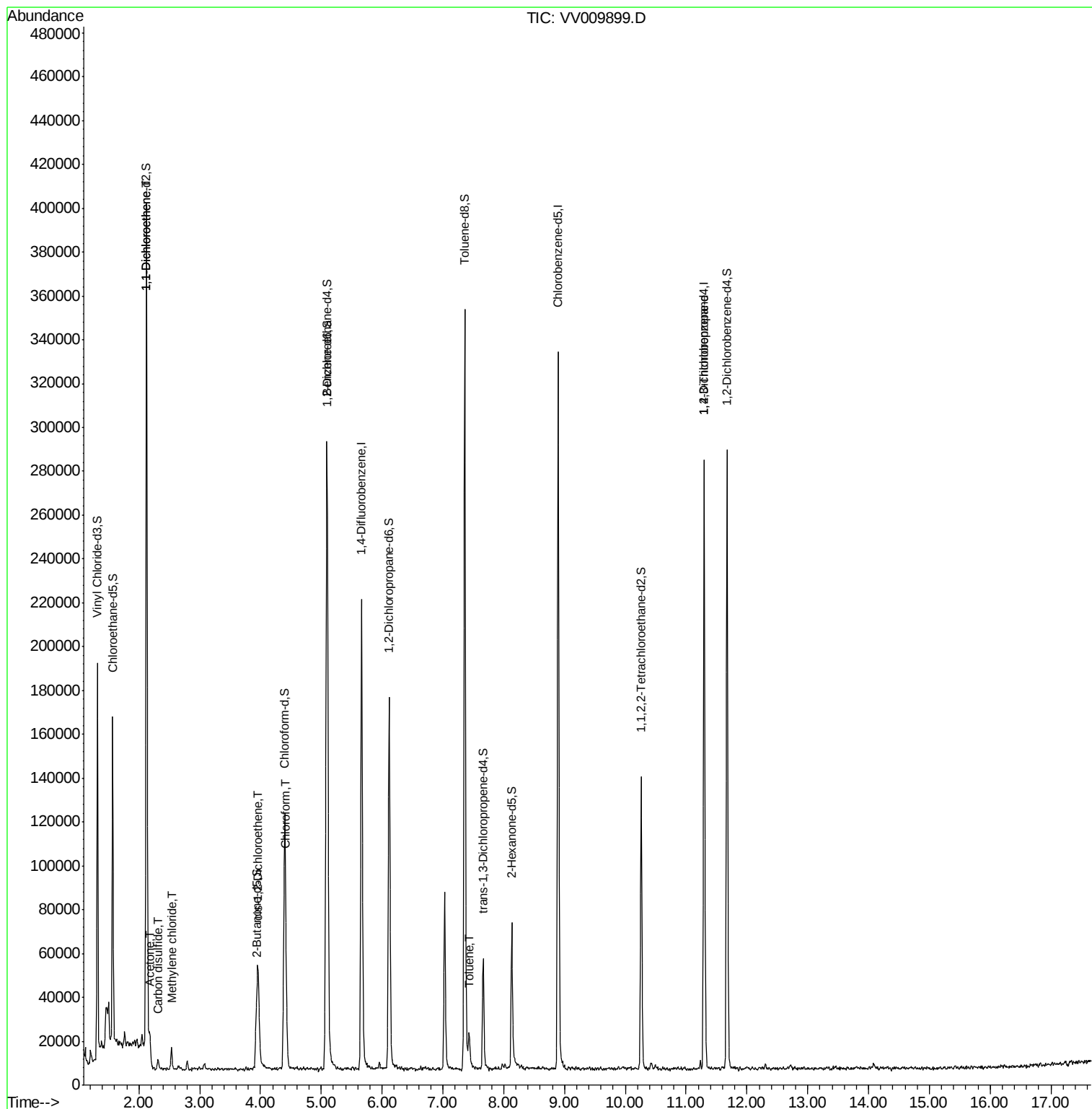
					Qvalue
12) 1,1-Dichloroethene	2.13	96	2071	0.489 ug/L #	1
13) Acetone	2.19	43	7245	7.306 ug/L	86
14) Carbon disulfide	2.32	76	3253	0.567 ug/L	95
16) Methylene chloride	2.53	84	3485	1.222 ug/L	89
22) cis-1,2-Dichloroethene	3.96	96	21877	8.730 ug/L	98
25) Chloroform	4.42	83	7674	1.672 ug/L #	64
44) Toluene	7.43	91	9788	0.963 ug/L	93
59) 1,2,3-Trichloropropane	11.29	75	11441	6.171 ug/L	91

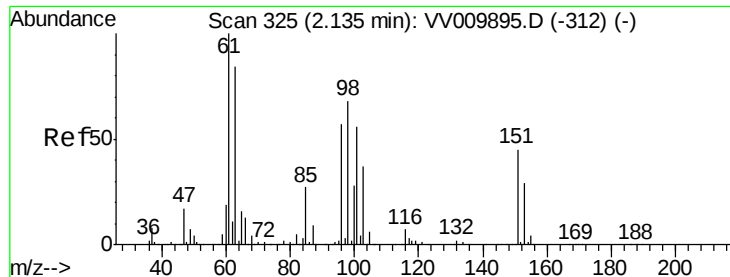
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.489 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009899.D

Acq: 26 Mar 2019 17:44

Instrument :

MSVOA_V

ClientSampled :

BF0J0

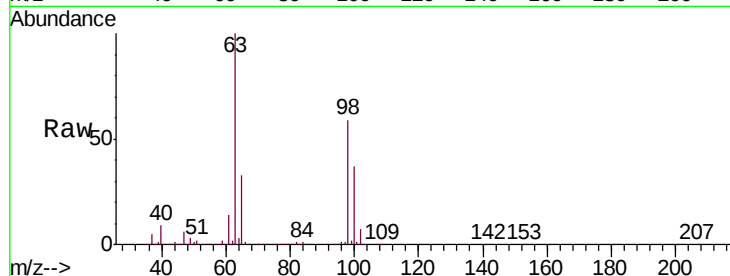
Tgt Ion: 96 Resp: 2071

Ion Ratio Lower Upper

96 100

61 1199.7 124.3 230.8#

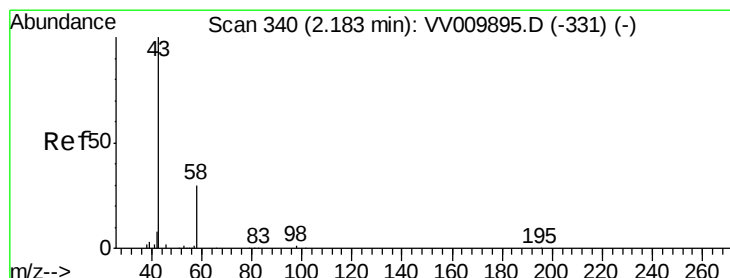
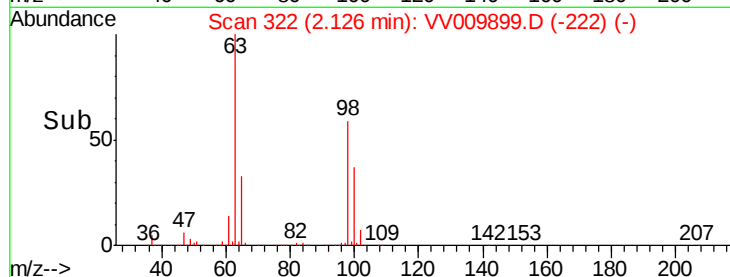
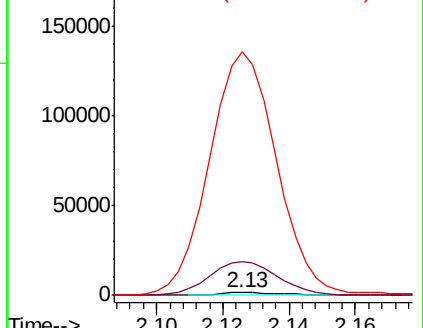
63 8599.6 88.2 163.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 7.306 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV009899.D

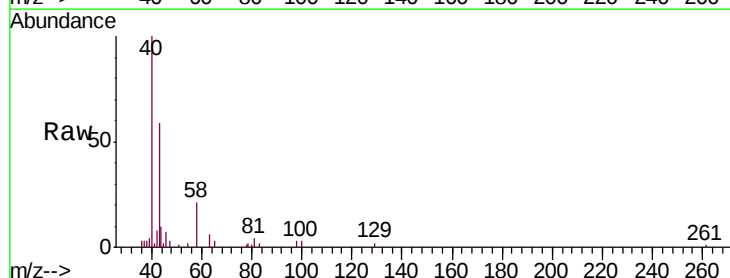
Acq: 26 Mar 2019 17:44

Tgt Ion: 43 Resp: 7245

Ion Ratio Lower Upper

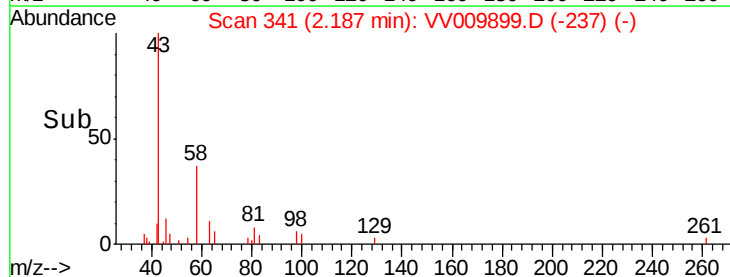
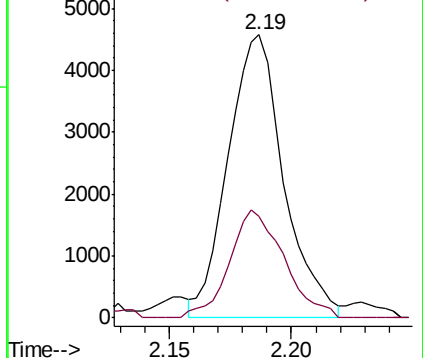
43 100

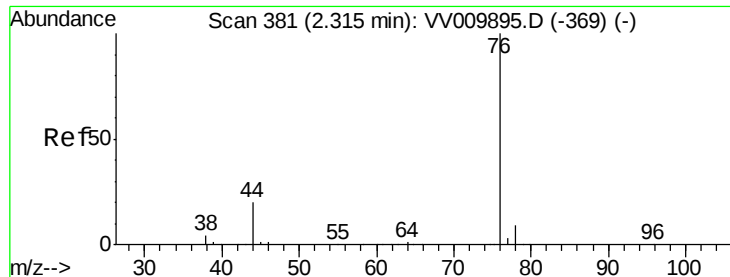
58 37.3 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 0.567 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009899.D

Acq: 26 Mar 2019 17:44

Instrument :

MSVOA_V

ClientSampleId :

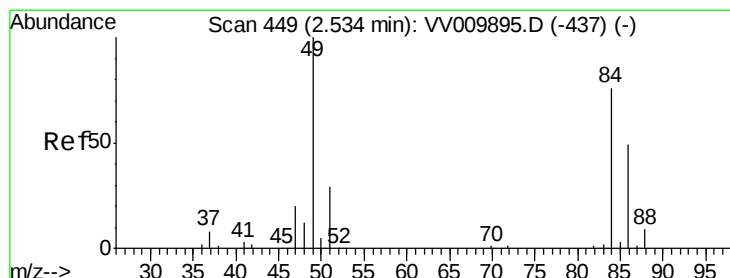
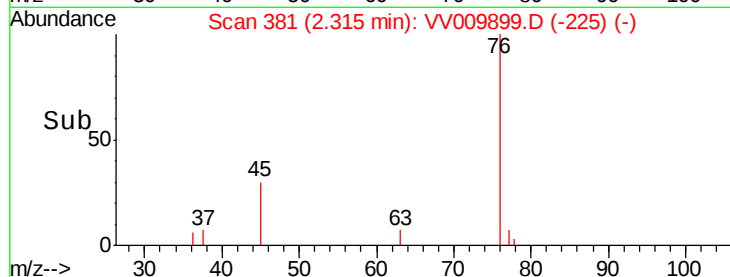
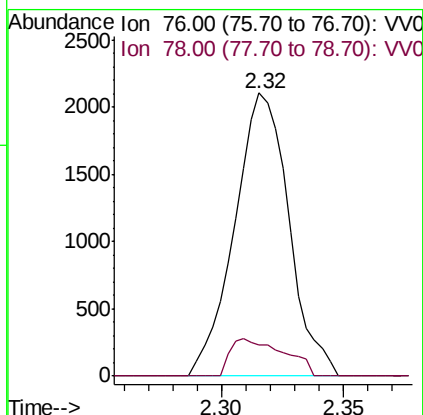
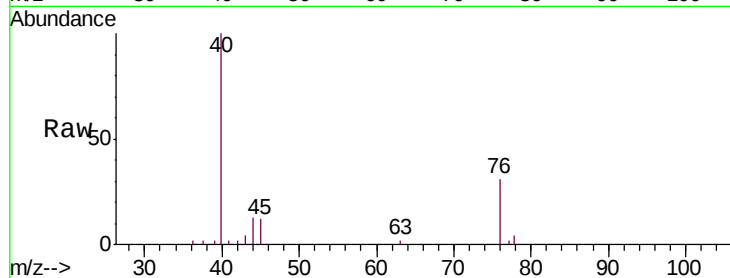
BF0J0

Tgt Ion: 76 Resp: 3253

Ion Ratio Lower Upper

76 100

78 11.2 7.5 11.3



#16

Methylene chloride

Concen: 1.222 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009899.D

Acq: 26 Mar 2019 17:44

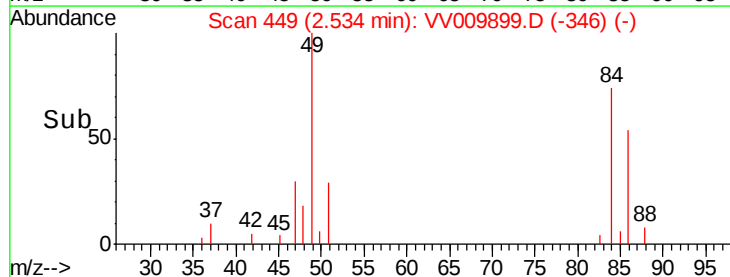
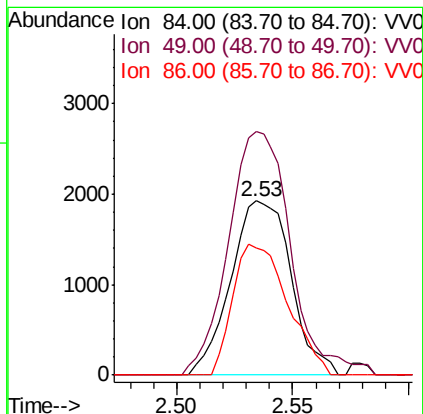
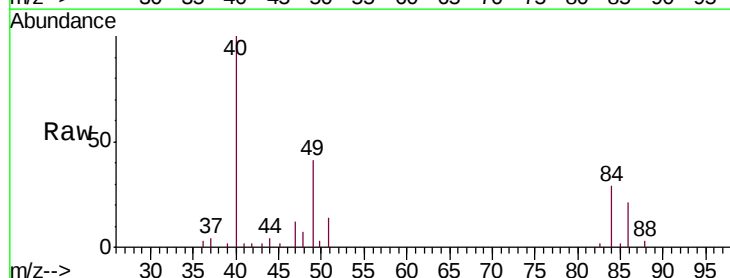
Tgt Ion: 84 Resp: 3485

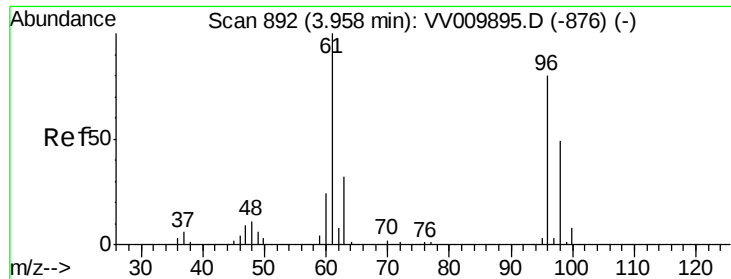
Ion Ratio Lower Upper

84 100

49 139.7 90.4 167.8

86 73.2 44.0 81.6



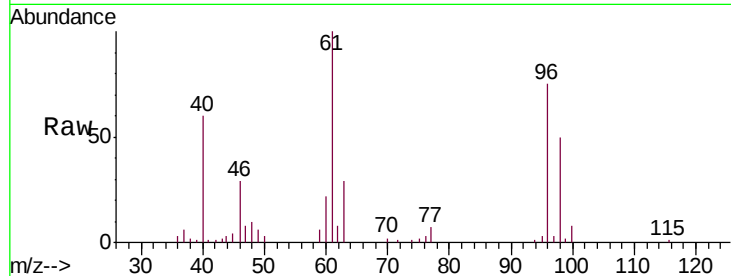


#22

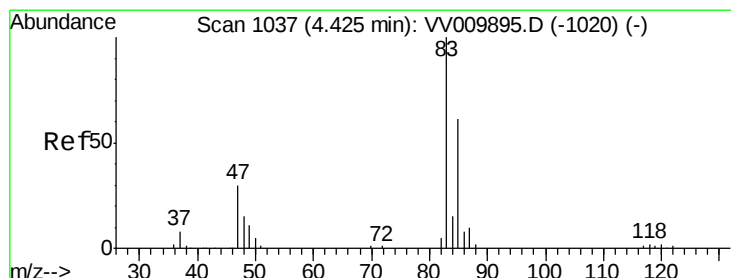
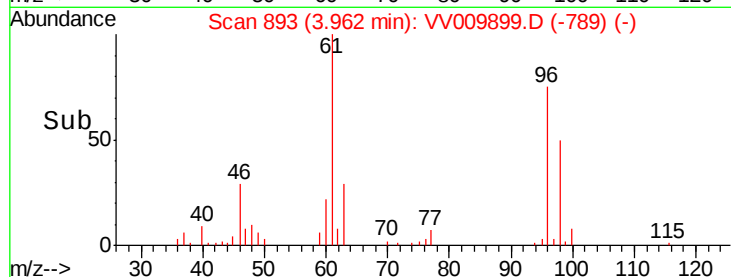
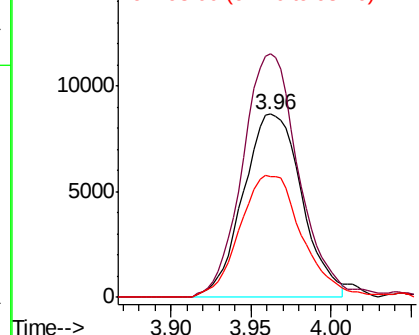
cis-1,2-Dichloroethene
 Concen: 8.730 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009899.D
 Acq: 26 Mar 2019 17:44

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0J0

Tgt Ion: 96 Resp: 21877
 Ion Ratio Lower Upper
 96 100
 61 133.1 91.4 169.8
 98 66.1 48.0 89.2



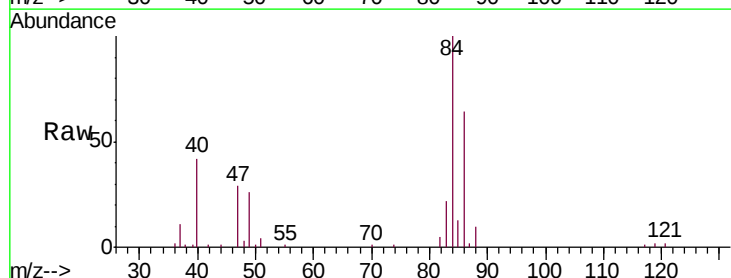
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



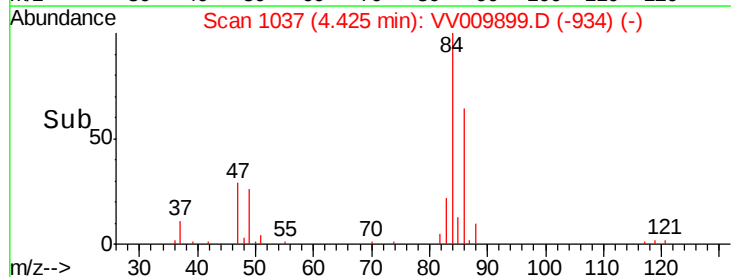
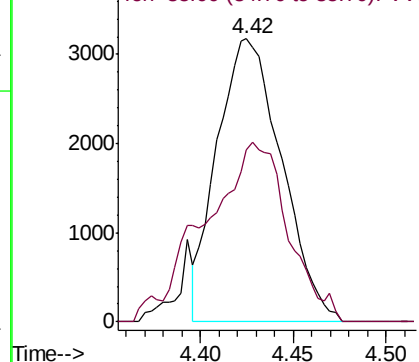
#25

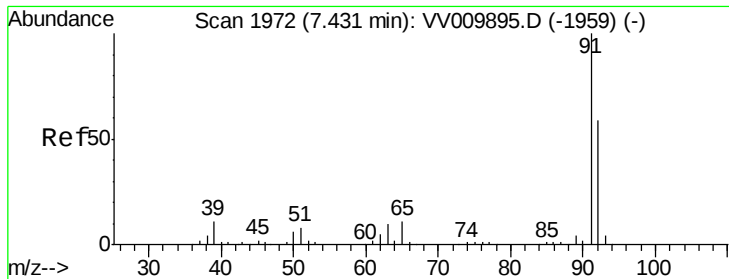
Chloroform
 Concen: 1.672 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV009899.D
 Acq: 26 Mar 2019 17:44

Tgt Ion: 83 Resp: 7674
 Ion Ratio Lower Upper
 83 100
 85 37.0 46.1 85.7#



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#44

Toluene

Concen: 0.963 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009899.D

Acq: 26 Mar 2019 17:44

Instrument :

MSVOA_V

ClientSampleId :

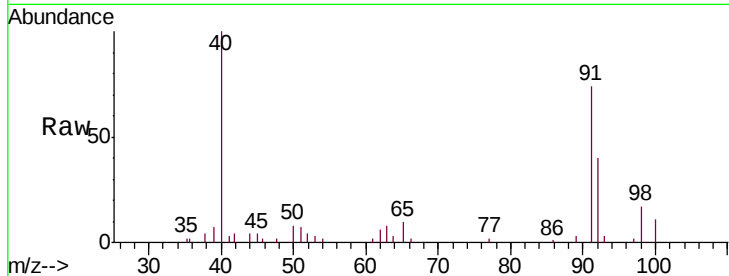
BF0J0

Tgt Ion: 91 Resp: 9788

Ion Ratio Lower Upper

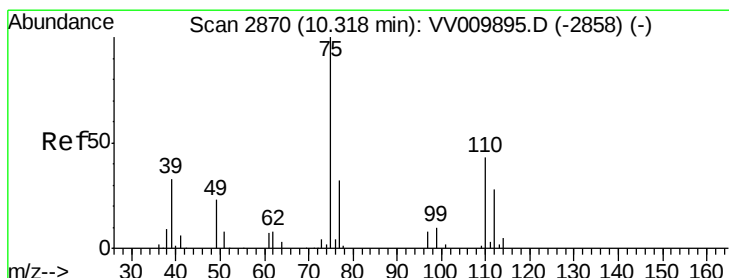
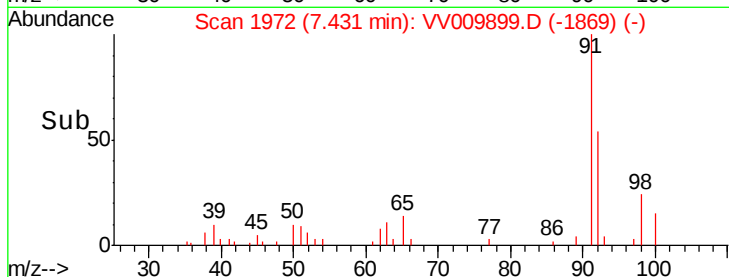
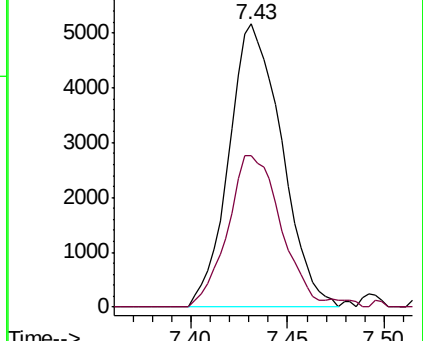
91 100

92 53.7 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV009899.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009899.D (-1959) (-)



#59

1,2,3-Trichloropropane

Concen: 6.171 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV009899.D

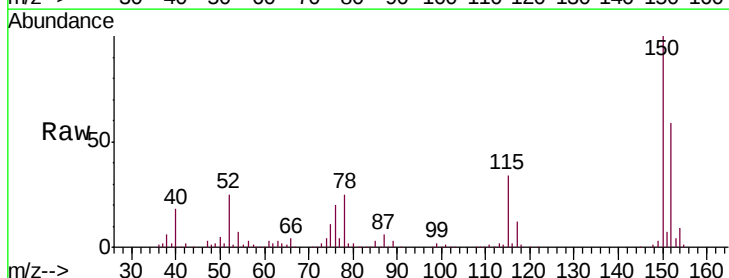
Acq: 26 Mar 2019 17:44

Tgt Ion: 75 Resp: 11441

Ion Ratio Lower Upper

75 100

77 37.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV009899.D (-2248) (-)

Ion 77.00 (76.70 to 77.70): VV009899.D (-2248) (-)

