

Data File : VV009921.D
Acq On : 27 Mar 2019 12:14
Operator : SY/MD
Sample : K2101-01
Misc : 6.82G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0J9

Quant Time: Mar 28 05:15:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 05:12:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	186536	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	173784	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69687	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82506	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.20%
7) Chloroethane-d5	1.56	69	96478	23.60	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.40%
10) 1,1-Dichloroethene-d2	2.12	63	186127	17.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.92%
20) 2-Butanone-d5	3.93	46	28009	39.71	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.42%
24) Chloroform-d	4.39	84	91353	19.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.88%
26) 1,2-Dichloroethane-d4	5.08	65	64130	22.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.68%
29) Benzene-d6	5.09	84	238029	26.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.32%
33) 1,2-Dichloropropane-d6	6.11	67	69993	26.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.84%
37) Toluene-d8	7.36	98	212427	24.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.36%
38) trans-1,3-Dichloropropene-	7.66	79	22467	20.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.28%
39) 2-Hexanone-d5	8.13	63	18928	37.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.96%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	51566	19.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	62841	23.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.76%

Target Compounds

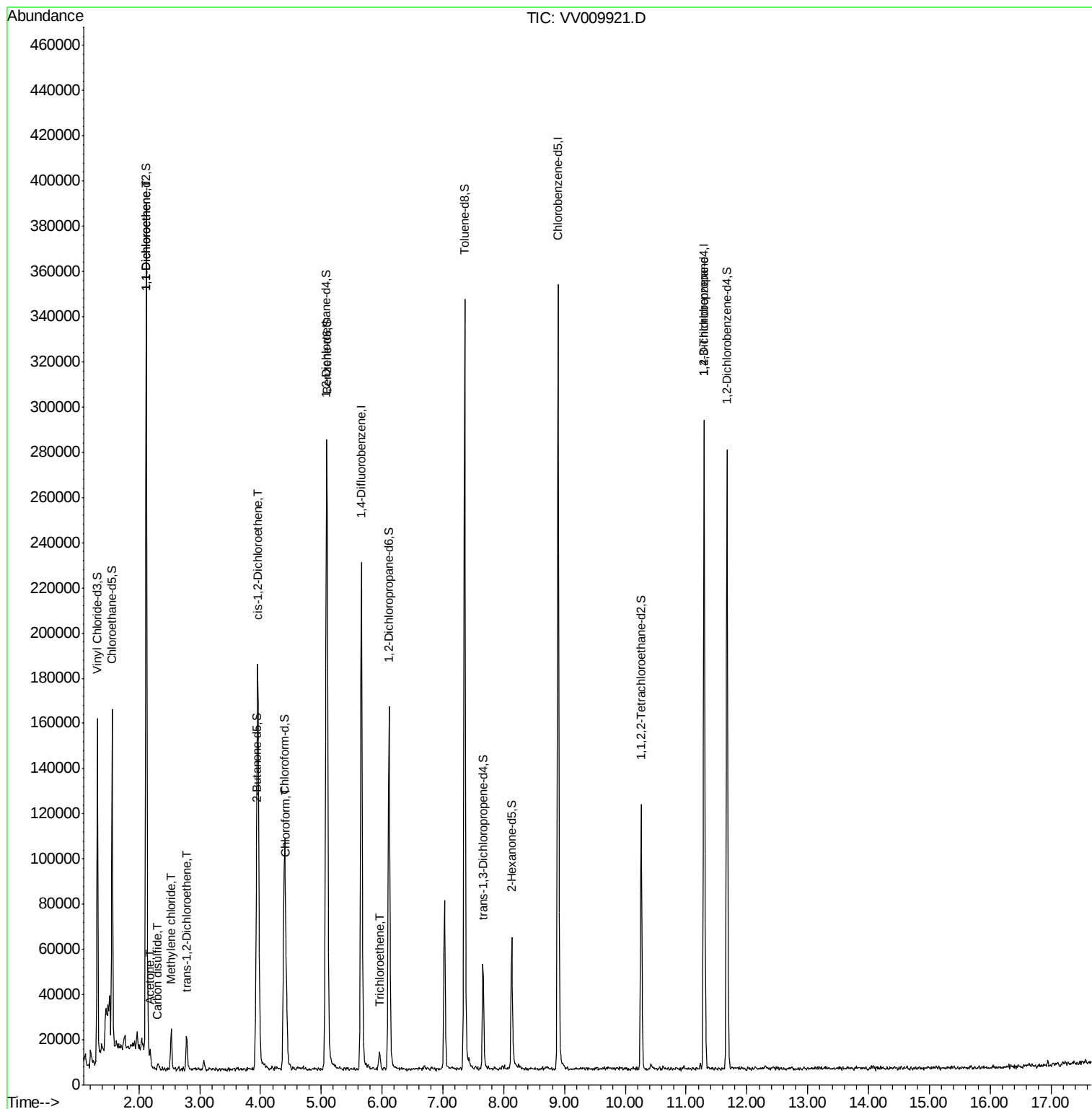
					Qvalue
12) 1,1-Dichloroethene	2.12	96	1982	0.434 ug/L #	1
13) Acetone	2.18	43	5633	5.274 ug/L	91
14) Carbon disulfide	2.31	76	1755	0.284 ug/L	98
16) Methylene chloride	2.53	84	6180	2.012 ug/L	92
18) trans-1,2-Dichloroethene	2.79	96	5378	2.200 ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	92619	34.319 ug/L	97
25) Chloroform	4.42	83	25453	5.150 ug/L #	67
35) Trichloroethene	5.96	95	1790	0.711 ug/L	87
59) 1,2,3-Trichloropropane	11.30	75	11283	5.881 ug/L	92

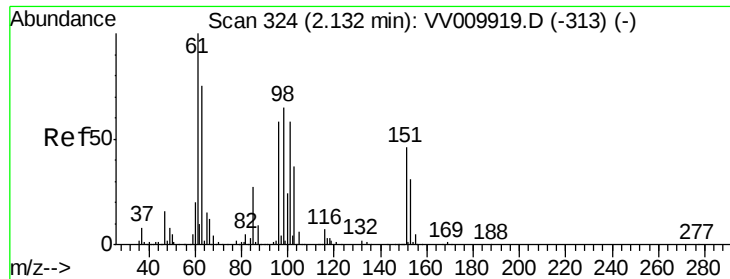
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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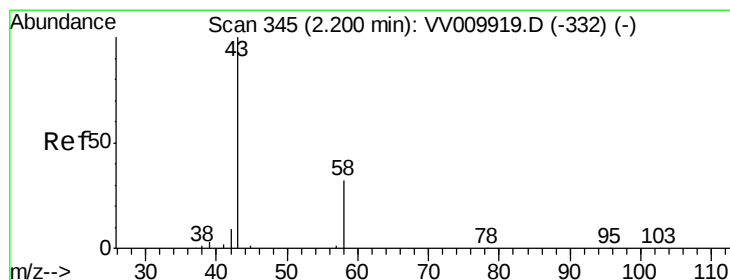
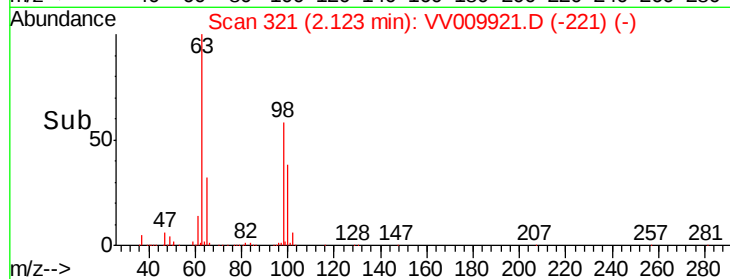
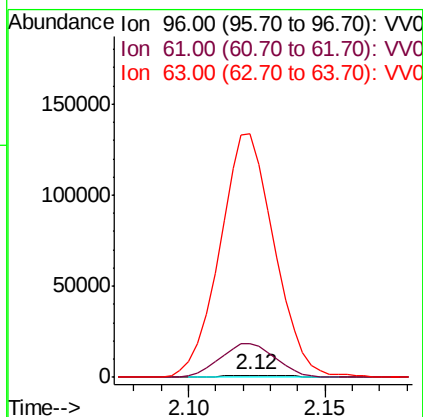
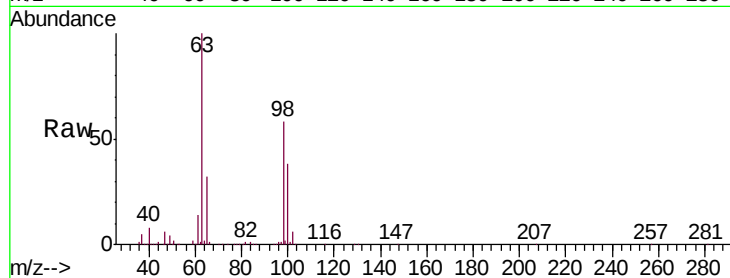




#12
 1,1-Dichloroethene
 Concen: 0.434 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV009921.D
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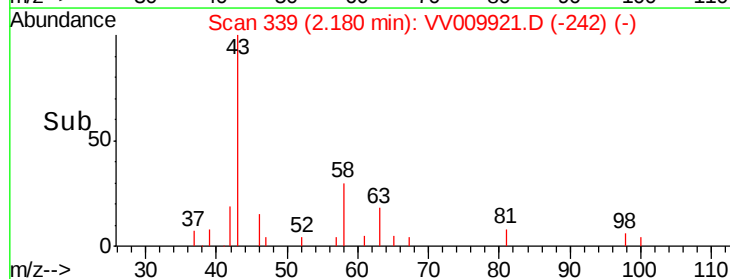
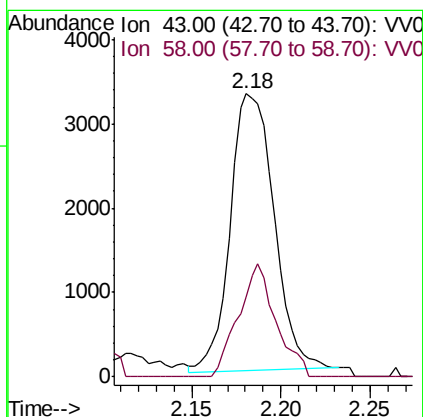
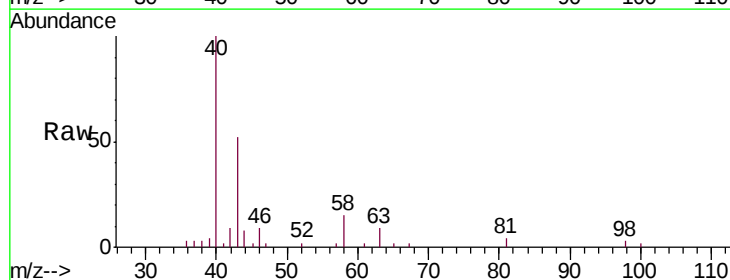
Instrument :
 MSVOA_V
 ClientSampleId :
 BF0J9

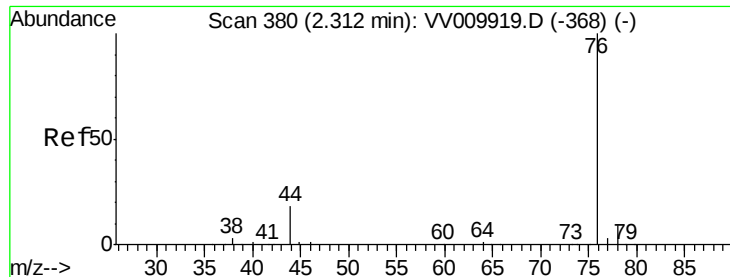
Tgt Ion: 96 Resp: 1982
 Ion Ratio Lower Upper
 96 100
 61 1515.4 124.3 230.8#
 63 10785.5 88.2 163.8#



#13
 Acetone
 Concen: 5.274 ug/L
 RT: 2.18 min Scan# 339
 Delta R.T. -0.02 min
 Lab File: VV009921.D
 Acq: 27 Mar 2019 12:14

Tgt Ion: 43 Resp: 5633
 Ion Ratio Lower Upper
 43 100
 58 34.7 0.0 59.4





#14

Carbon disulfide

Concen: 0.284 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV009921.D

Acq: 27 Mar 2019 12:14

Instrument :

MSVOA_V

ClientSampled :

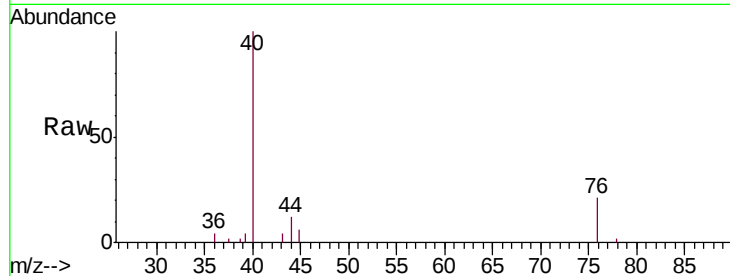
BF0J9

Tgt Ion: 76 Resp: 1755

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009921.D (-224) (-)

Ion 78.00 (77.70 to 78.70): VV009921.D (-224) (-)

2.31

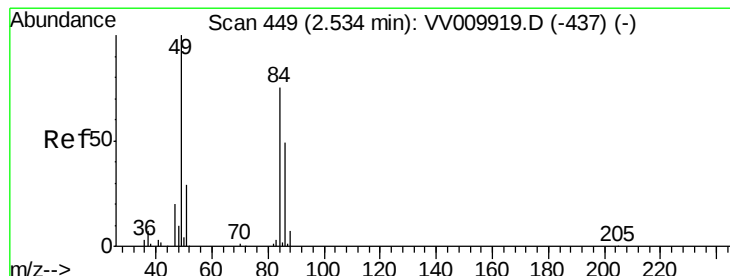
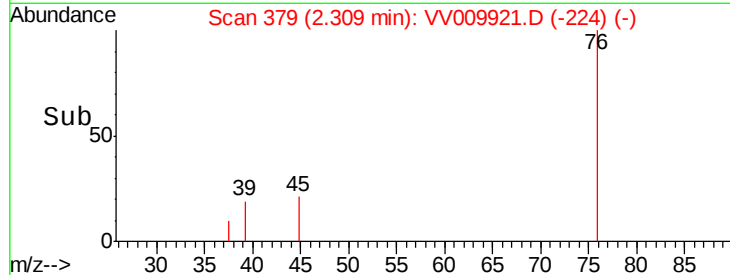
1500

1000

500

0

Time-->



#16

Methylene chloride

Concen: 2.012 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV009921.D

Acq: 27 Mar 2019 12:14

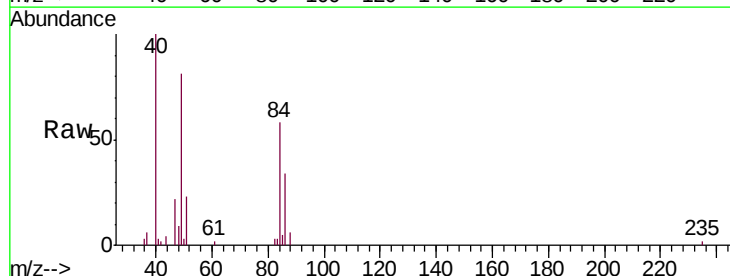
Tgt Ion: 84 Resp: 6180

Ion Ratio Lower Upper

84 100

49 140.4 90.4 167.8

86 59.0 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV009921.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV009921.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV009921.D (-346) (-)

2.53

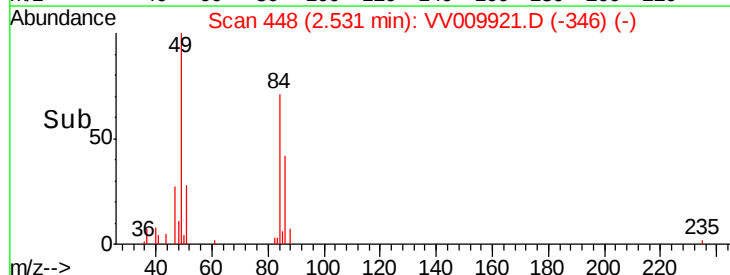
6000

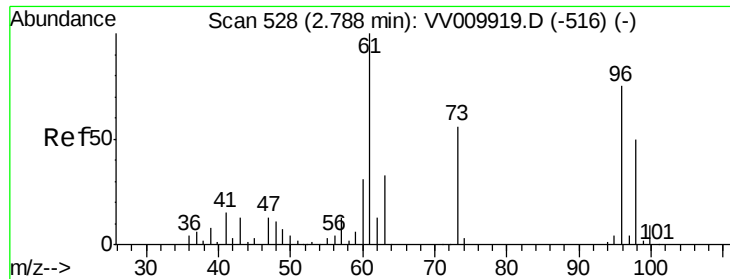
4000

2000

0

Time-->

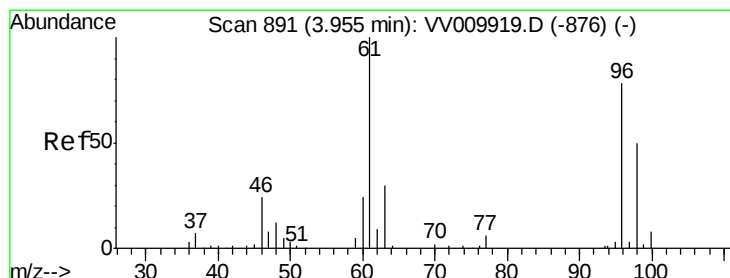
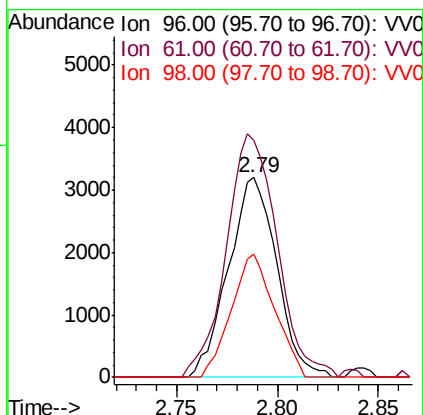
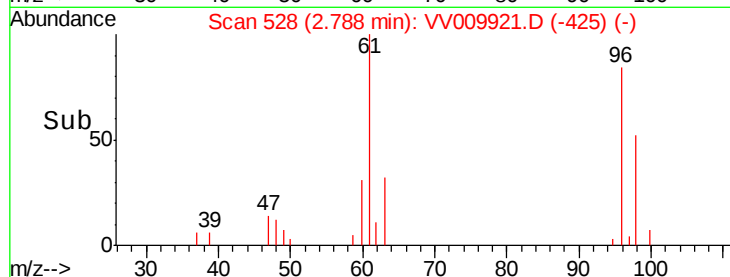
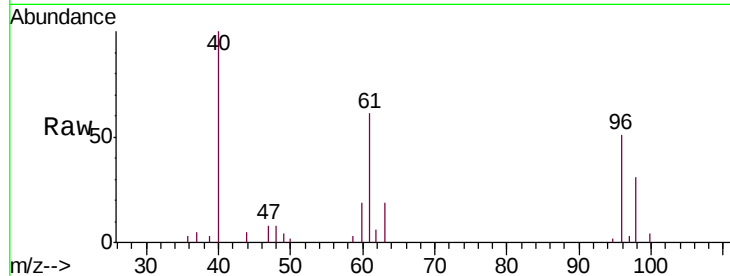




#18
trans-1,2-Dichloroethene
Concen: 2.200 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV009921.D
Acq: 27 Mar 2019 12:14

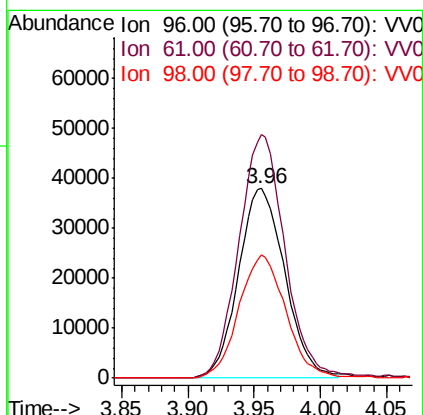
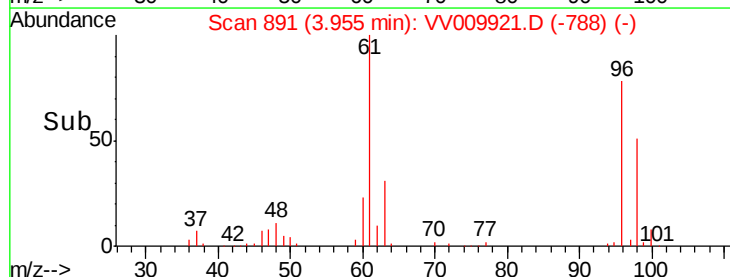
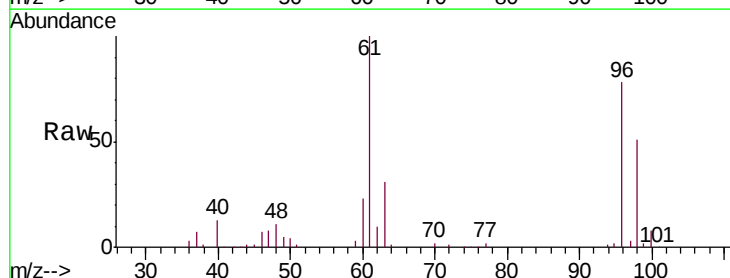
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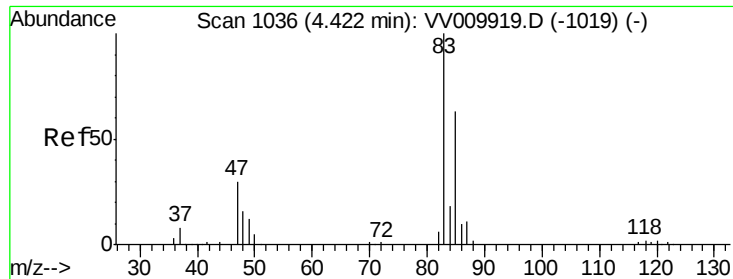
Tgt Ion: 96 Resp: 5378
Ion Ratio Lower Upper
96 100
61 118.9 96.8 179.8
98 61.4 46.1 85.7



#22
cis-1,2-Dichloroethene
Concen: 34.319 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV009921.D
Acq: 27 Mar 2019 12:14

Tgt Ion: 96 Resp: 92619
Ion Ratio Lower Upper
96 100
61 128.4 91.4 169.8
98 65.0 48.0 89.2

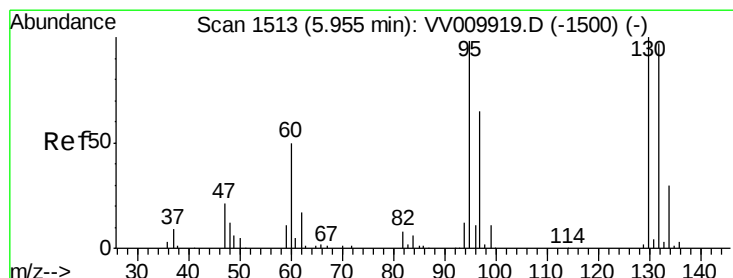
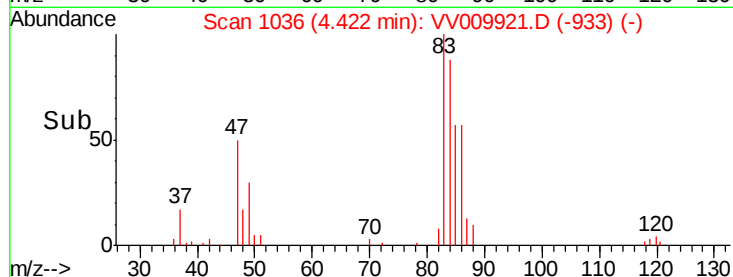
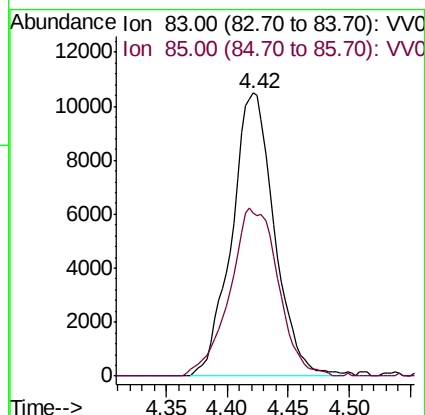
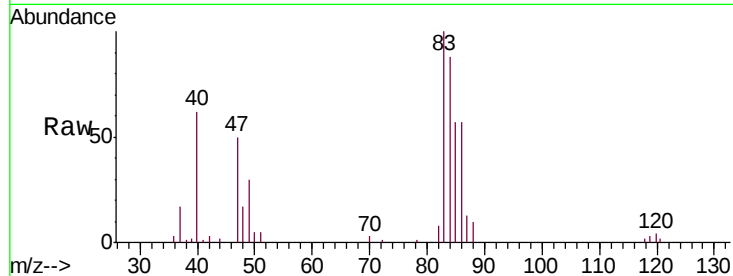




#25
Chloroform
Concen: 5.150 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV009921.D
Acq: 27 Mar 2019 12:14

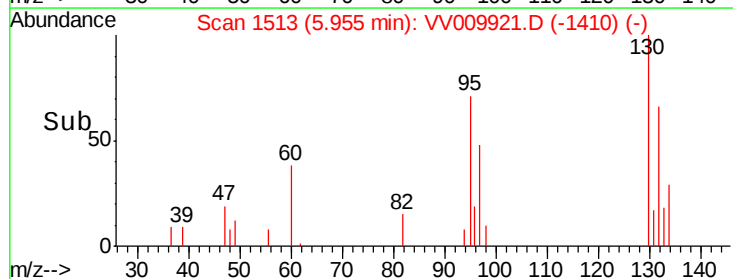
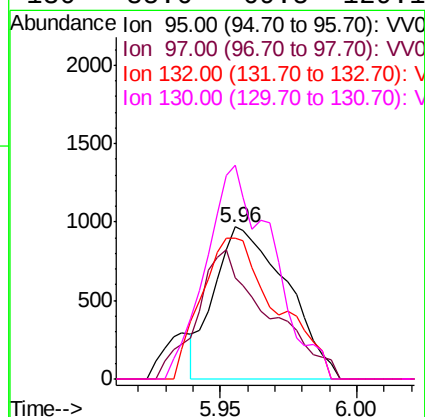
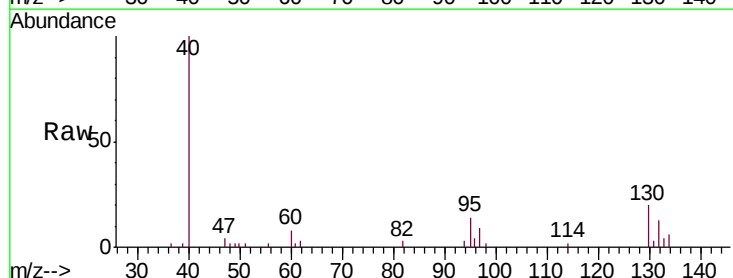
Instrument :
MSVOA_V
ClientSampleId :
BF0J9

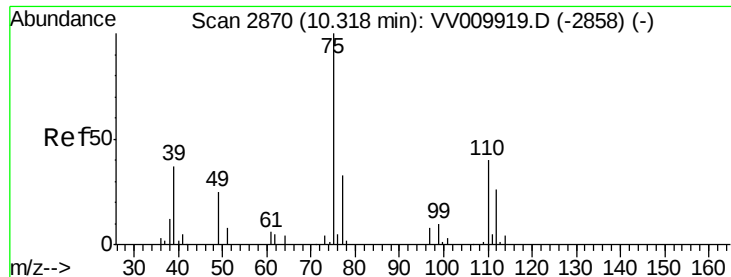
Tgt Ion: 83 Resp: 25453
Ion Ratio Lower Upper
83 100
85 39.8 46.1 85.7#



#35
Trichloroethene
Concen: 0.711 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV009921.D
Acq: 27 Mar 2019 12:14

Tgt Ion: 95 Resp: 1790
Ion Ratio Lower Upper
95 100
97 65.6 46.3 85.9
132 78.9 69.3 128.7
130 85.6 69.5 129.1





#59

1,2,3-Trichloropropane

Concen: 5.881 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009921.D

Acq: 27 Mar 2019 12:14

Instrument :

MSVOA_V

ClientSampleId :

BF0J9

Tgt Ion: 75 Resp: 11283

Ion Ratio Lower Upper

75 100

77 37.2 26.2 39.2

