

Data File : VV009322.D
Acq On : 21 Feb 2019 14:00
Operator : SY/MD
Sample : K1543-06
Misc : 3.25G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5X3

Quant Time: Feb 22 04:56:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 22 04:53:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	115588	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	102000	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	38152	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37561	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.72%
7) Chloroethane-d5	1.58	69	50815	27.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.72%
10) 1,1-Dichloroethene-d2	2.13	63	72212	19.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.40%
20) 2-Butanone-d5	3.96	46	22721	42.22	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.44%
24) Chloroform-d	4.40	84	60496	22.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.16%
26) 1,2-Dichloroethane-d4	5.08	65	35468	24.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.48%
29) Benzene-d6	5.10	84	130714	25.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.20%
33) 1,2-Dichloropropane-d6	6.12	67	40615	26.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.92%
37) Toluene-d8	7.36	98	117075	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.16%
38) trans-1,3-Dichloropropene-	7.67	79	15351	19.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.44%
39) 2-Hexanone-d5	8.14	63	18892	45.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.22%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	38700	23.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.04%
61) 1,2-Dichlorobenzene-d4	11.68	152	33675	24.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.12%

Target Compounds

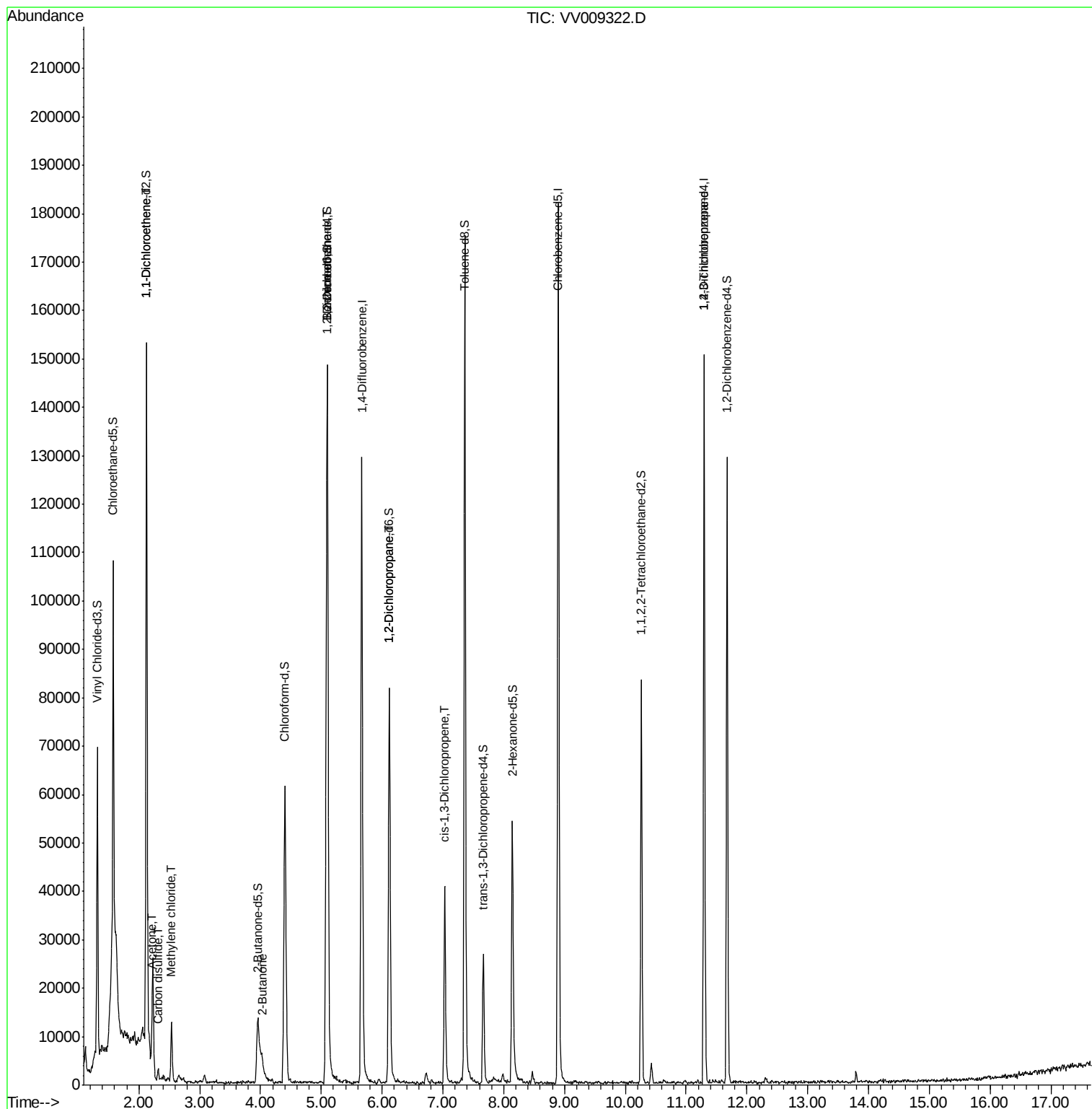
					Qvalue
12) 1,1-Dichloroethene	2.13	96	829	0.489 ug/L #	1
13) Acetone	2.21	43	6061	11.521 ug/L	88
14) Carbon disulfide	2.32	76	2764	0.609 ug/L	97
16) Methylene chloride	2.54	84	5291	3.026 ug/L	95
21) 2-Butanone	4.04	43	751	1.246 ug/L	90
27) 1,2-Dichloroethane	5.10	62	532	0.291 ug/L #	72
40) 1,2-Dichloropropane	6.12	63	4710	3.479 ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	1082	0.471 ug/L	87
59) 1,2,3-Trichloropropane	11.30	75	4986	4.090 ug/L	97

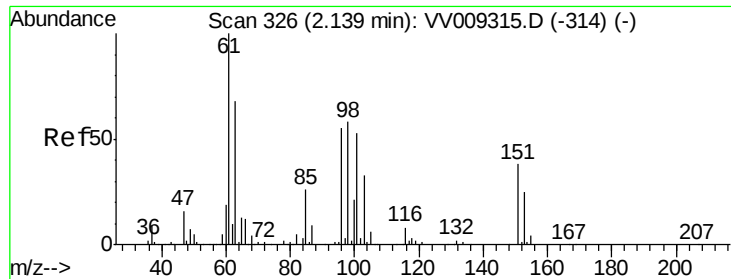
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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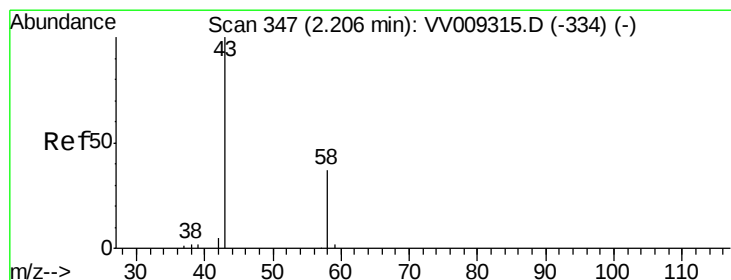
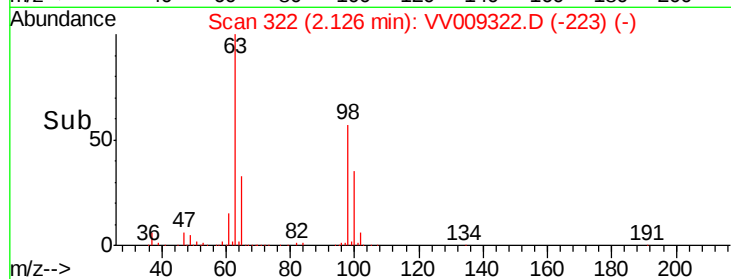
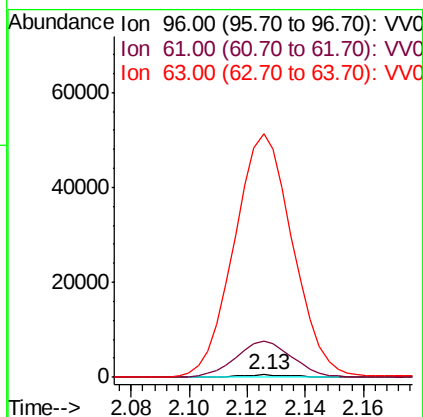
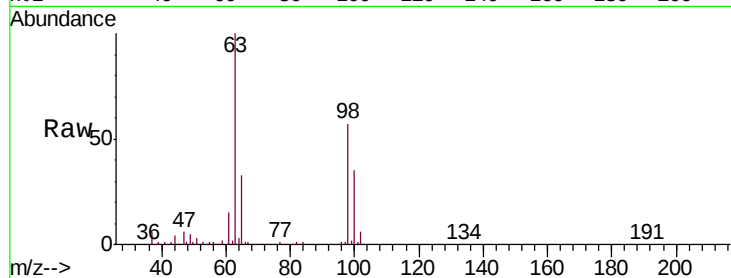




#12
 1,1-Dichloroethene
 Concen: 0.489 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV009322.D
 Acq: 21 Feb 2019 14:00

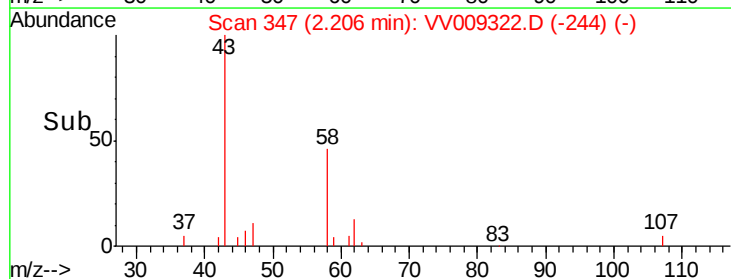
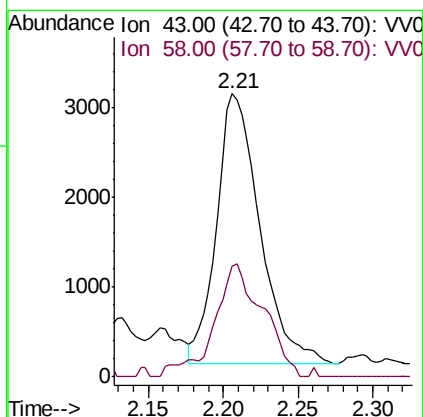
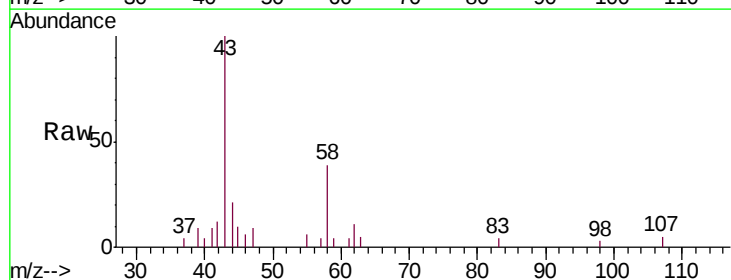
Instrument :
 MSVOA_V
 ClientSampled :
 BF5X3

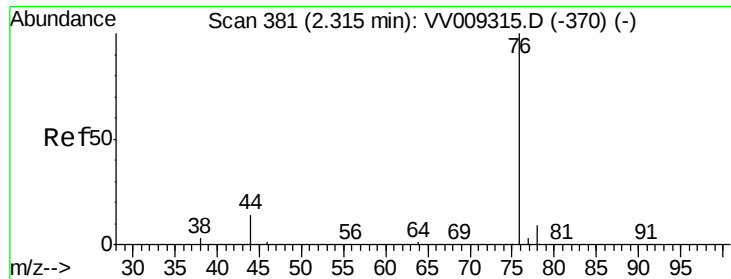
Tgt Ion: 96 Resp: 829
 Ion Ratio Lower Upper
 96 100
 61 1507.6 123.3 228.9#
 63 10256.0 88.4 164.2#



#13
 Acetone
 Concen: 11.521 ug/L
 RT: 2.21 min Scan# 347
 Delta R.T. -0.00 min
 Lab File: VV009322.D
 Acq: 21 Feb 2019 14:00

Tgt Ion: 43 Resp: 6061
 Ion Ratio Lower Upper
 43 100
 58 43.2 0.0 72.0





#14

Carbon disulfide

Concen: 0.609 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009322.D

Acq: 21 Feb 2019 14:00

Instrument :

MSVOA_V

ClientSampled :

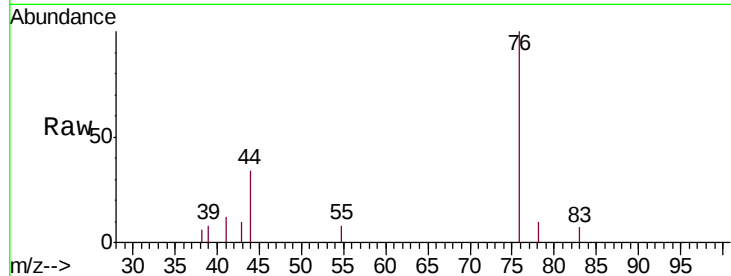
BF5X3

Tgt Ion: 76 Resp: 2764

Ion Ratio Lower Upper

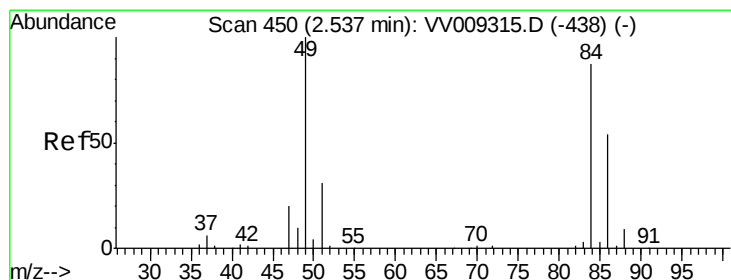
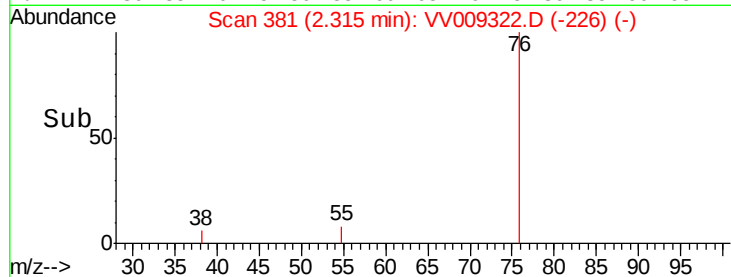
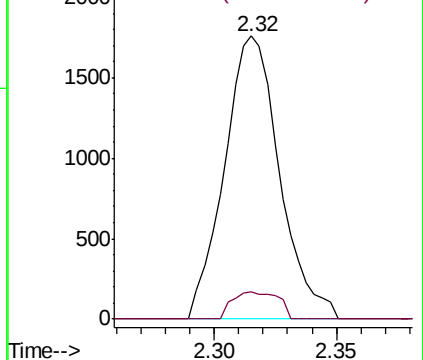
76 100

78 9.7 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VV009322.D (-226) (-)

Ion 78.00 (77.70 to 78.70): VV009322.D (-226) (-)



#16

Methylene chloride

Concen: 3.026 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV009322.D

Acq: 21 Feb 2019 14:00

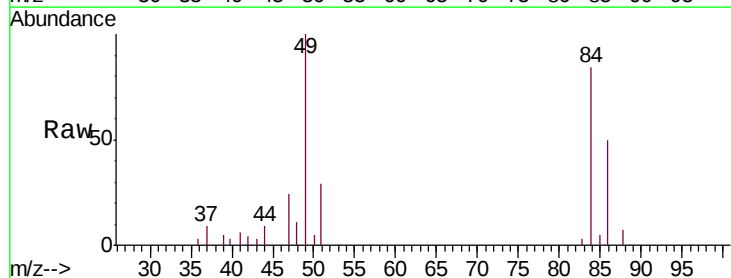
Tgt Ion: 84 Resp: 5291

Ion Ratio Lower Upper

84 100

49 119.7 78.7 146.1

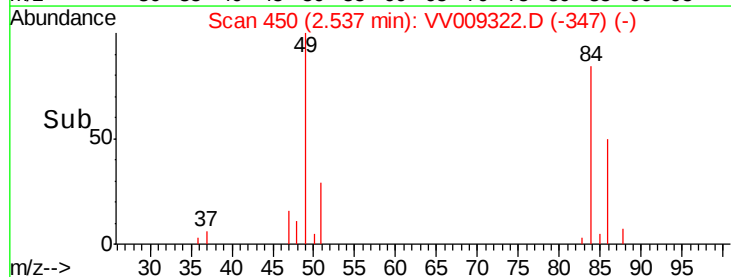
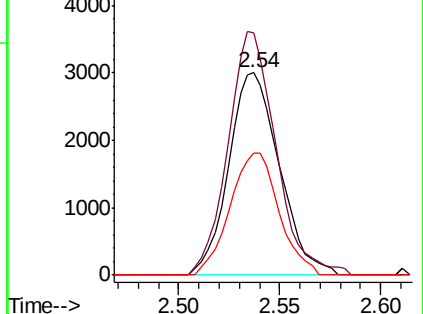
86 60.4 44.0 81.6

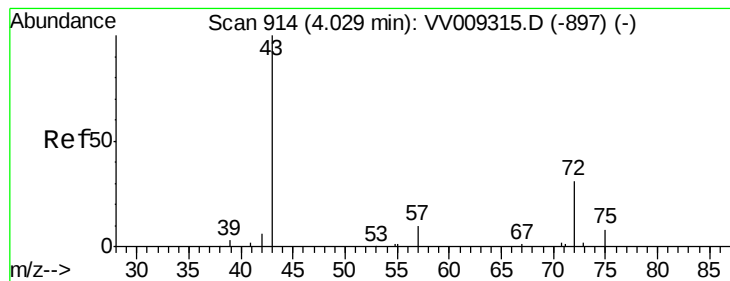


Abundance Ion 84.00 (83.70 to 84.70): VV009322.D (-347) (-)

Ion 49.00 (48.70 to 49.70): VV009322.D (-347) (-)

Ion 86.00 (85.70 to 86.70): VV009322.D (-347) (-)





#21

2-Butanone

Concen: 1.246 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.01 min

Lab File: VV009322.D

Acq: 21 Feb 2019 14:00

Instrument :

MSVOA_V

ClientSampleId :

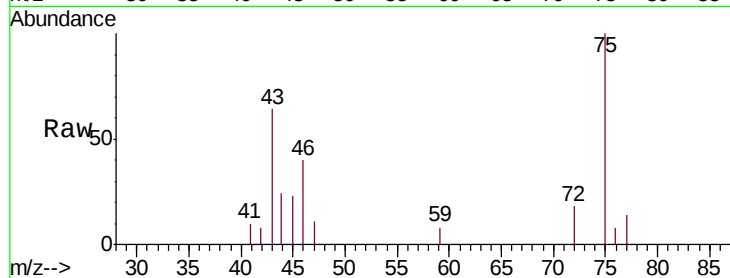
BF5X3

Tgt Ion: 43 Resp: 751

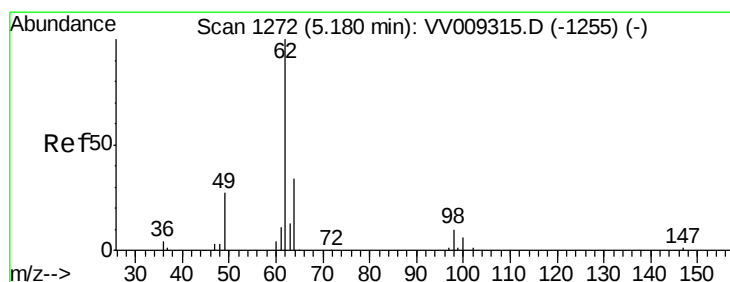
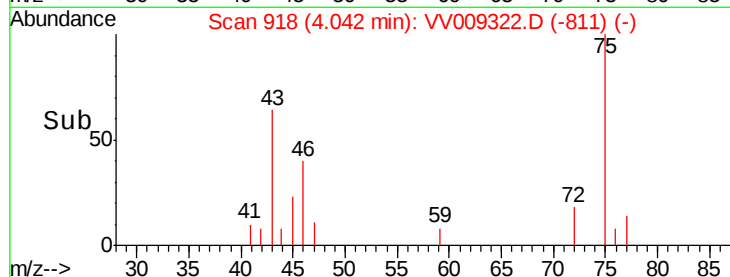
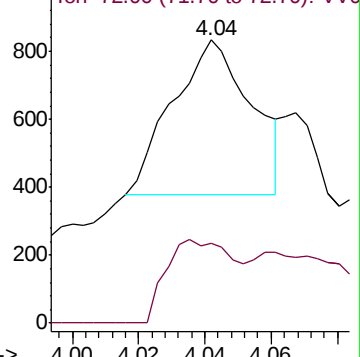
Ion Ratio Lower Upper

43 100

72 25.4 15.4 46.2



Abundance Ion 43.00 (42.70 to 43.70): VV009315.D (-897) (-)



#27

1,2-Dichloroethane

Concen: 0.291 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV009322.D

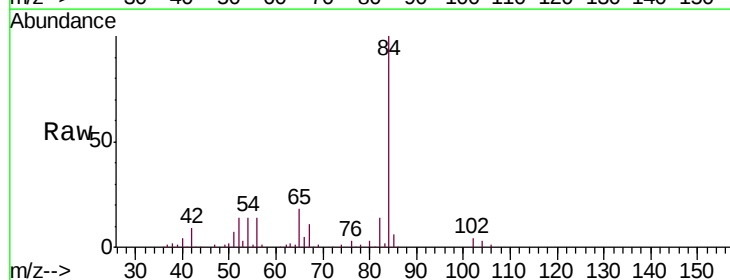
Acq: 21 Feb 2019 14:00

Tgt Ion: 62 Resp: 532

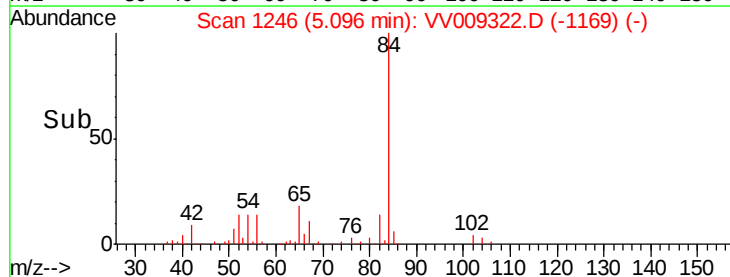
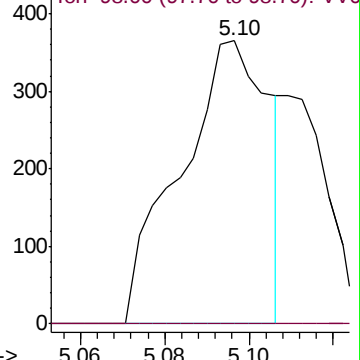
Ion Ratio Lower Upper

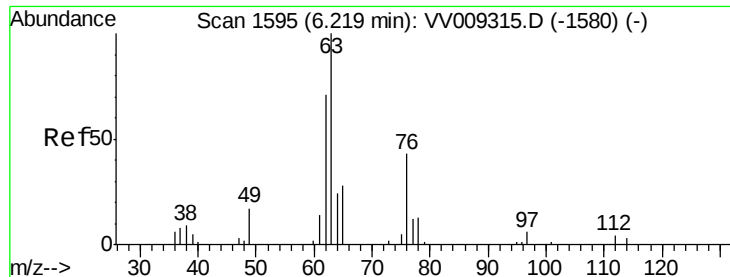
62 100

98 0.0 8.5 12.7#



Abundance Ion 62.00 (61.70 to 62.70): VV009315.D (-1255) (-)

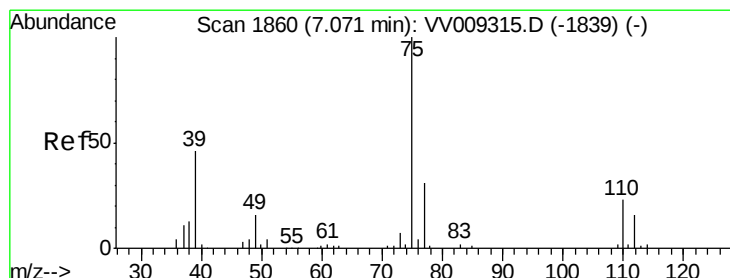
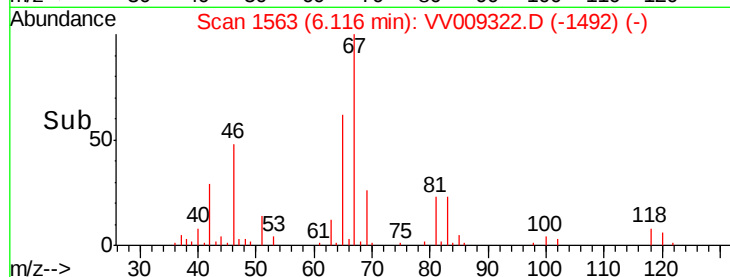
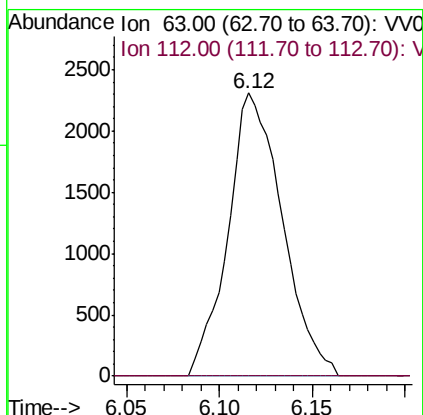
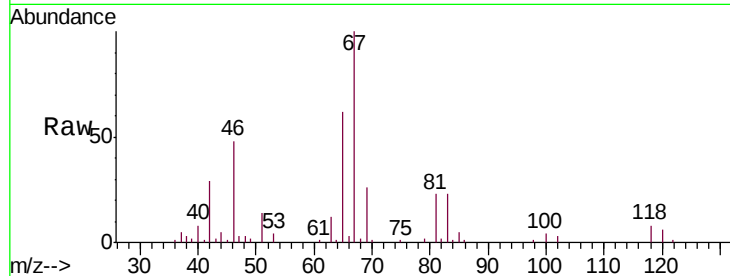




#40
 1,2-Dichloropropane
 Concen: 3.479 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009322.D
 Acq: 21 Feb 2019 14:00

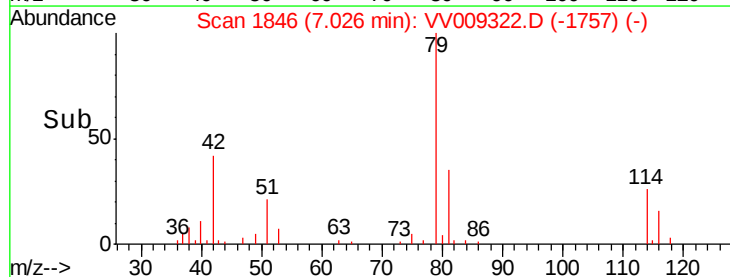
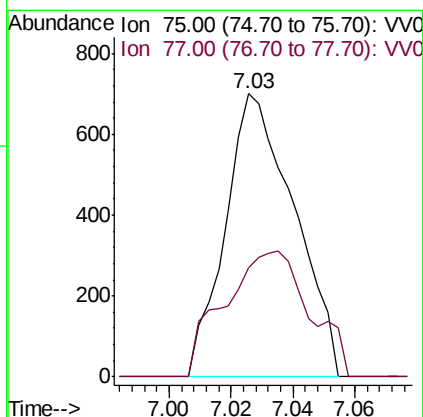
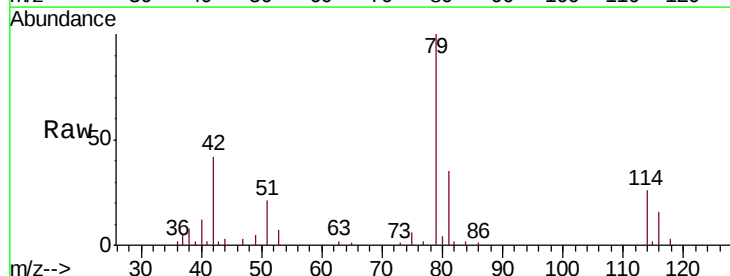
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 MSVOA_V
 ClientSampled :
 BF5X3

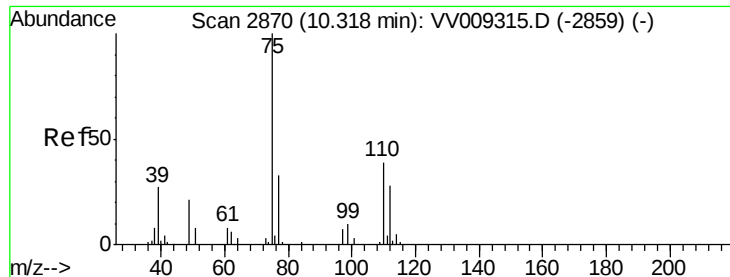
Tgt Ion: 63 Resp: 4710
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.471 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV009322.D
 Acq: 21 Feb 2019 14:00

Tgt Ion: 75 Resp: 1082
 Ion Ratio Lower Upper
 75 100
 77 38.4 22.0 40.8





#59

1,2,3-Trichloropropane

Concen: 4.090 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009322.D

Acq: 21 Feb 2019 14:00

Instrument :

MSVOA_V

ClientSampleId :

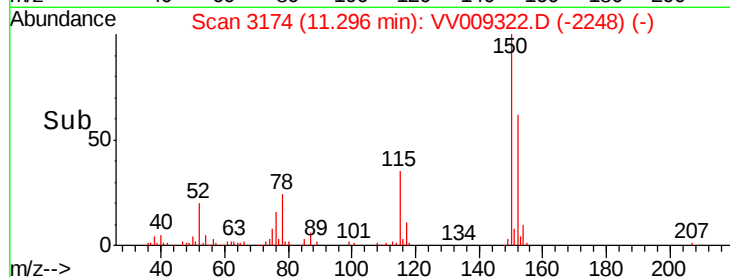
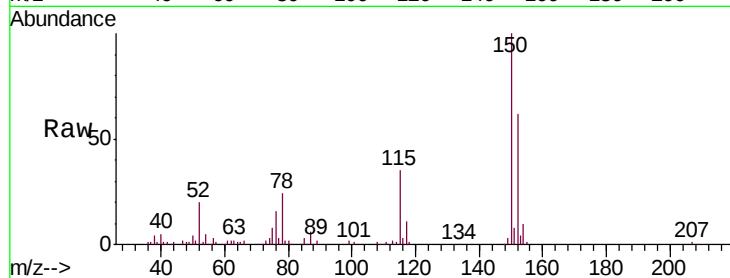
BF5X3

Tgt Ion: 75 Resp: 4986

Ion Ratio Lower Upper

75 100

77 34.7 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

