

Data File : VV009324.D
Acq On : 21 Feb 2019 14:53
Operator : SY/MD
Sample : K1553-09
Misc : 2.56G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5X4

Quant Time: Feb 22 04:56:50 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	144226	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	137286	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55892	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49716	25.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.64%
7) Chloroethane-d5	1.58	69	68069	29.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.96%
10) 1,1-Dichloroethene-d2	2.13	63	99779	21.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.60%
20) 2-Butanone-d5	3.95	46	23998	35.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.48%
24) Chloroform-d	4.40	84	82070	24.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.08	65	43361	23.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.52%
29) Benzene-d6	5.10	84	177850	25.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.32%
33) 1,2-Dichloropropane-d6	6.12	67	52668	25.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.96%
37) Toluene-d8	7.36	98	165245	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.84%
38) trans-1,3-Dichloropropene-	7.67	79	21721	20.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.48%
39) 2-Hexanone-d5	8.14	63	20350	36.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.22%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	45340	20.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.84%
61) 1,2-Dichlorobenzene-d4	11.68	152	49733	24.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.92%

Target Compounds

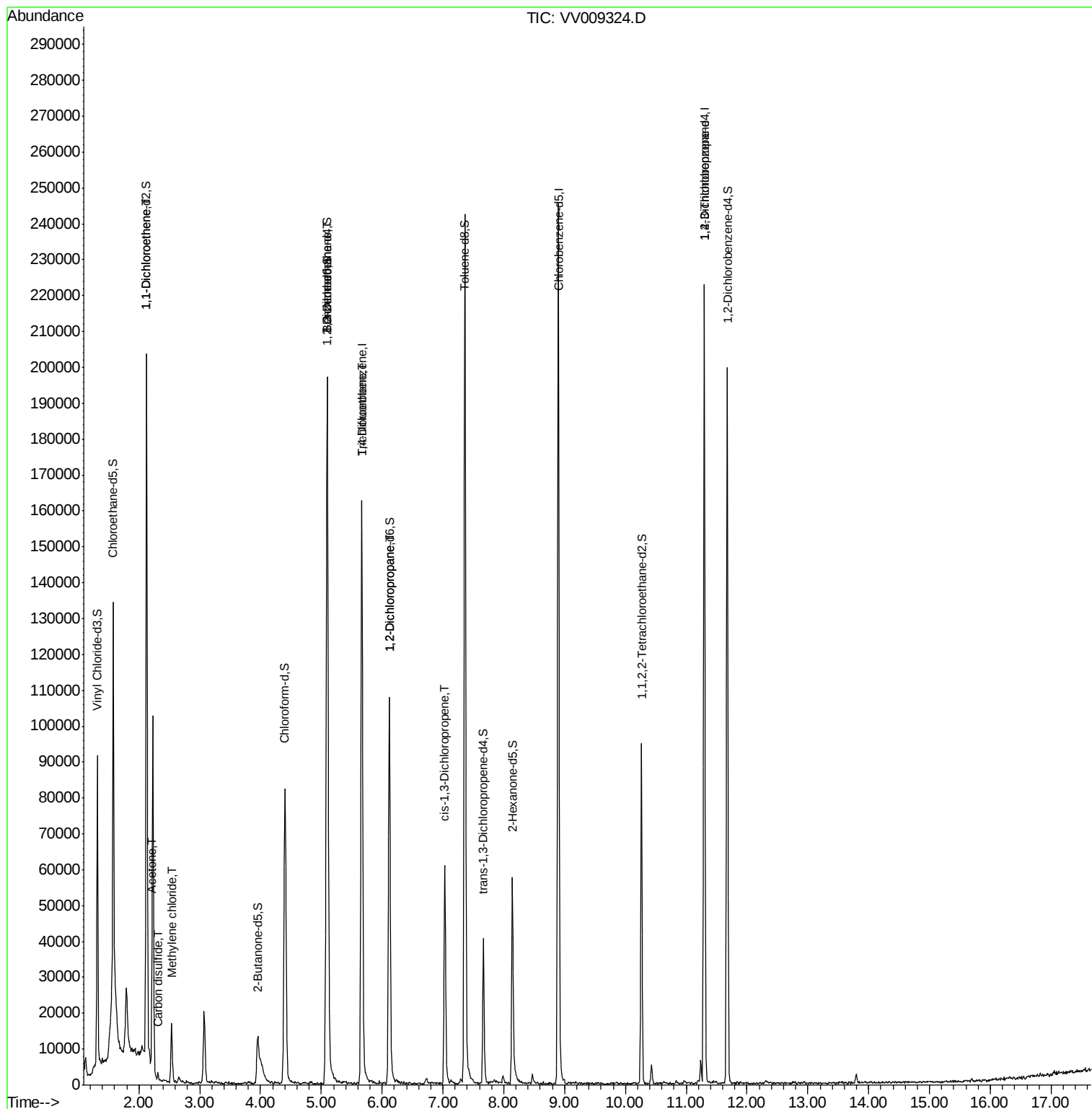
					Qvalue
12) 1,1-Dichloroethene	2.13	96	1088	0.514 ug/L #	1
13) Acetone	2.21	43	5879	8.956 ug/L	40
14) Carbon disulfide	2.32	76	2007	0.354 ug/L #	95
16) Methylene chloride	2.54	84	7209	3.304 ug/L	99
27) 1,2-Dichloroethane	5.10	62	618	0.271 ug/L #	72
35) Trichloroethene	5.67	95	3309	1.585 ug/L #	4
40) 1,2-Dichloropropane	6.12	63	5763	3.163 ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	1767	0.571 ug/L #	76
59) 1,2,3-Trichloropropane	11.30	75	7465	4.550 ug/L	91

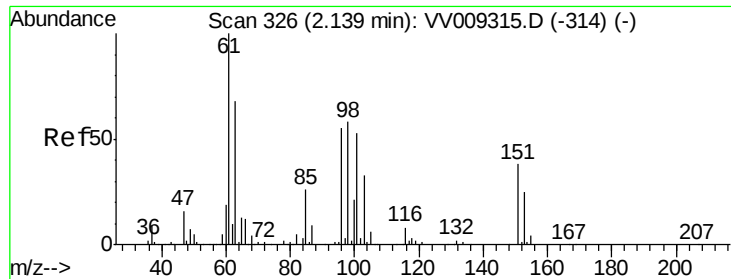
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.514 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

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Instrument :

MSVOA_V

ClientSampleId :

BF5X4

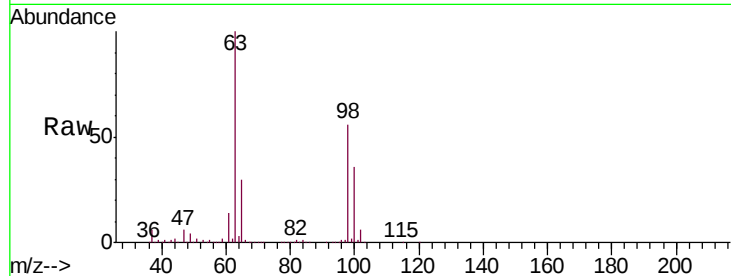
Tgt Ion: 96 Resp: 1088

Ion Ratio Lower Upper

96 100

61 1500.2 123.3 228.9#

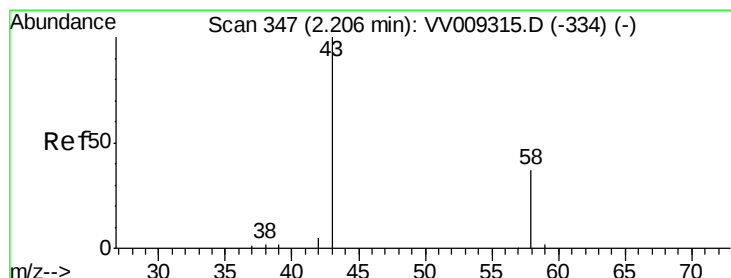
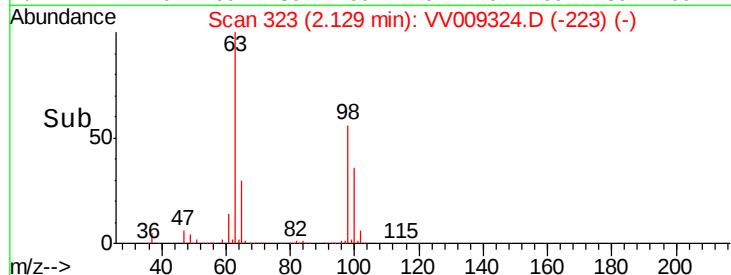
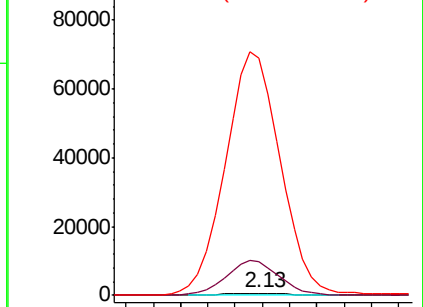
63 10696.1 88.4 164.2#



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: 8.956 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

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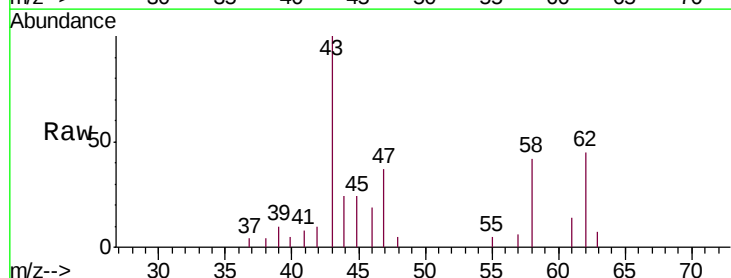
Acq: 21 Feb 2019 14:53

Tgt Ion: 43 Resp: 5879

Ion Ratio Lower Upper

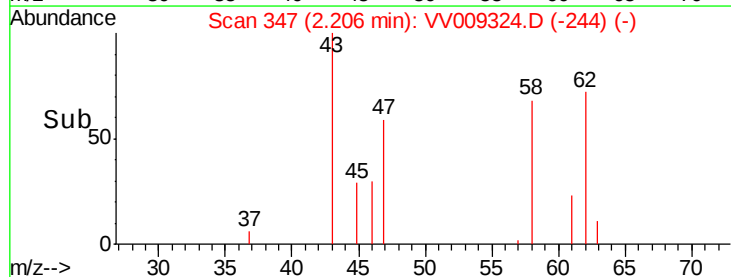
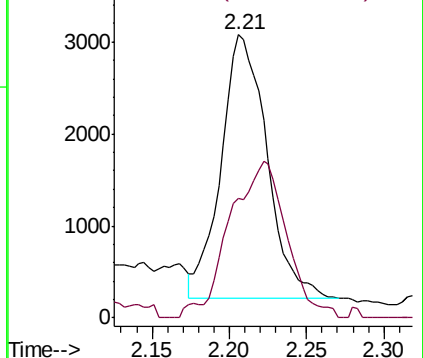
43 100

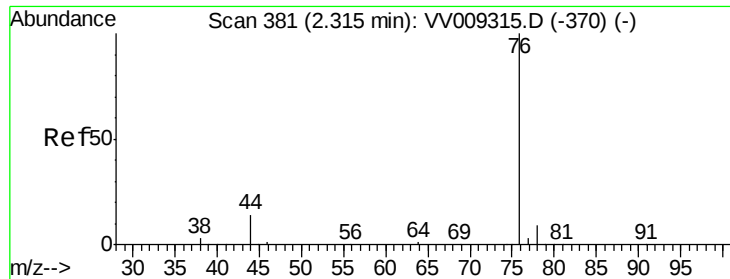
58 71.3 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 0.354 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

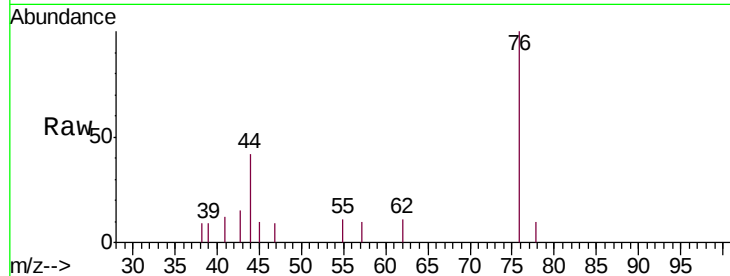
BF5X4

Tgt Ion: 76 Resp: 2007

Ion Ratio Lower Upper

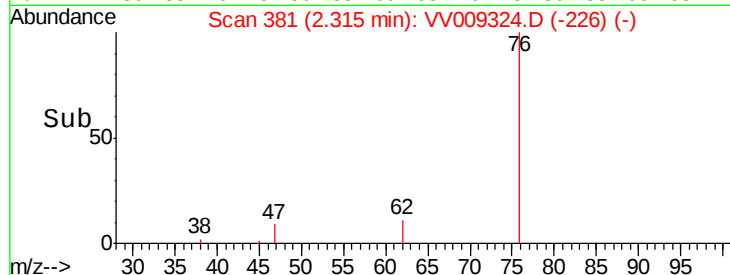
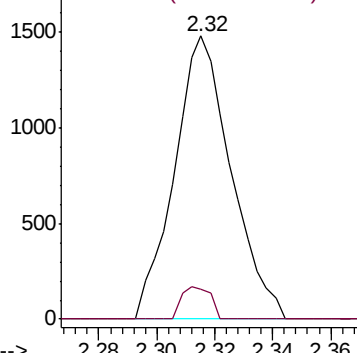
76 100

78 10.5 6.9 10.3#

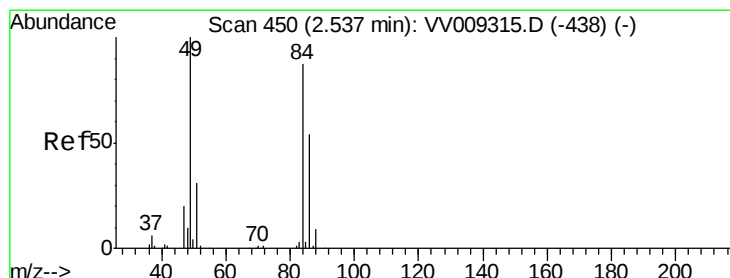


Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0



Time-->



#16

Methylene chloride

Concen: 3.304 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV009324.D

Acq: 21 Feb 2019 14:53

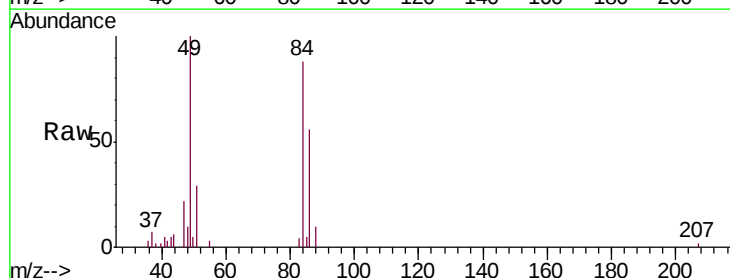
Tgt Ion: 84 Resp: 7209

Ion Ratio Lower Upper

84 100

49 113.2 78.7 146.1

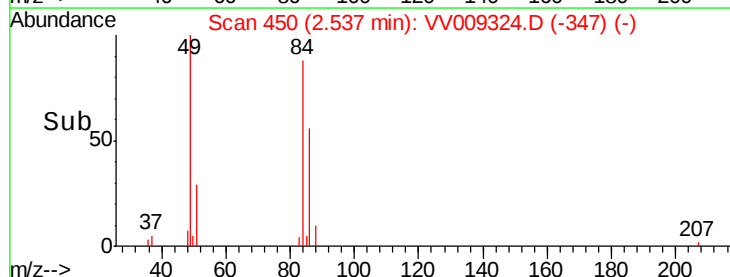
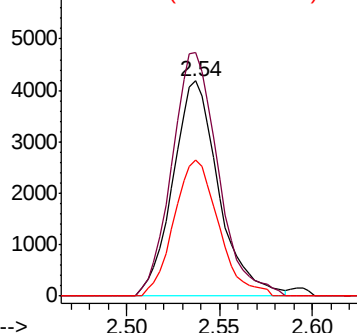
86 63.1 44.0 81.6



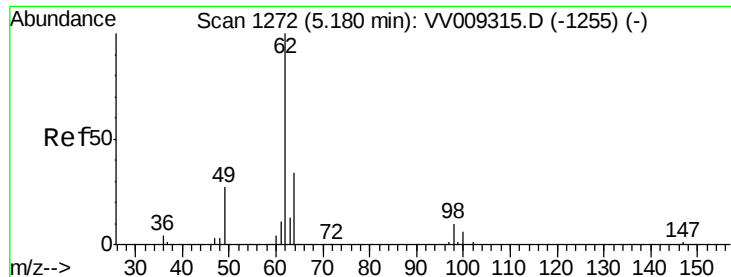
Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0



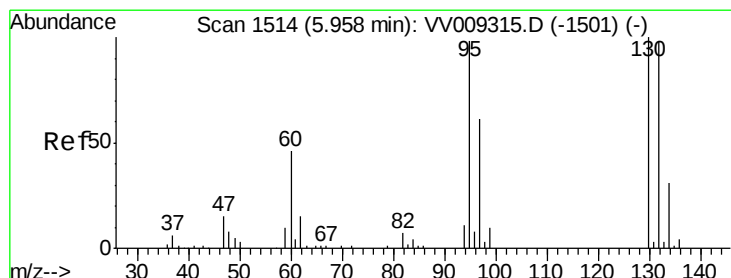
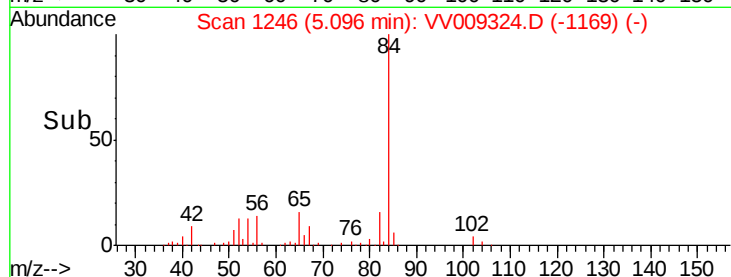
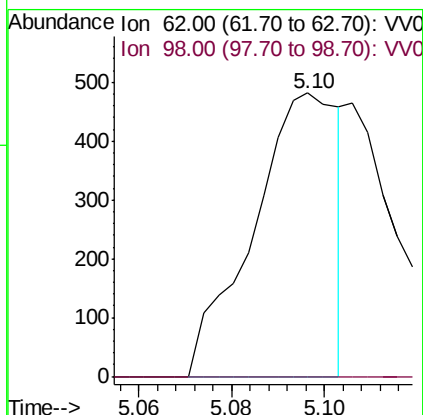
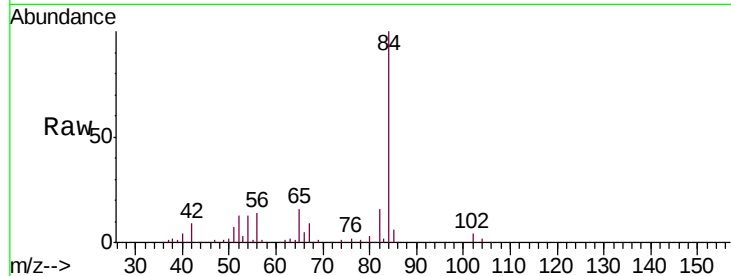
Time-->



#27
1,2-Dichloroethane
Concen: 0.271 ug/L
RT: 5.10 min Scan# 1246
Delta R.T. -0.08 min
Lab File: VV009324.D
Acq: 21 Feb 2019 14:53

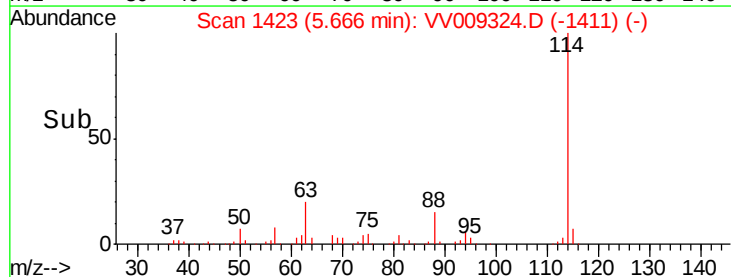
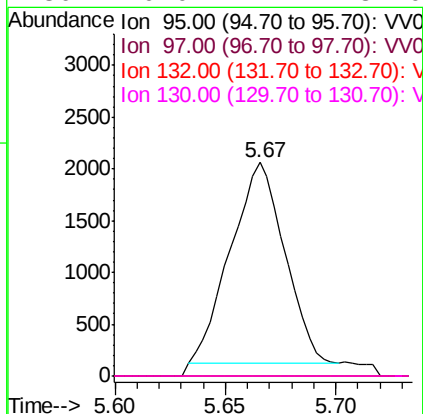
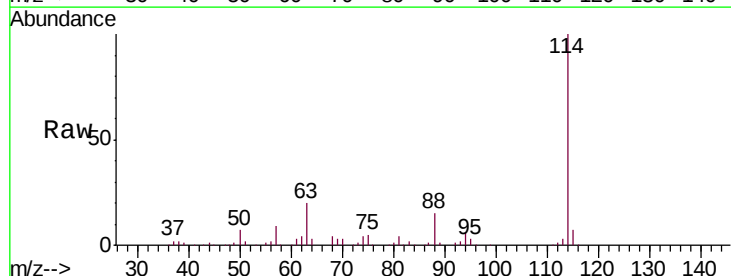
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MSVOA_V
ClientSampled :
BF5X4

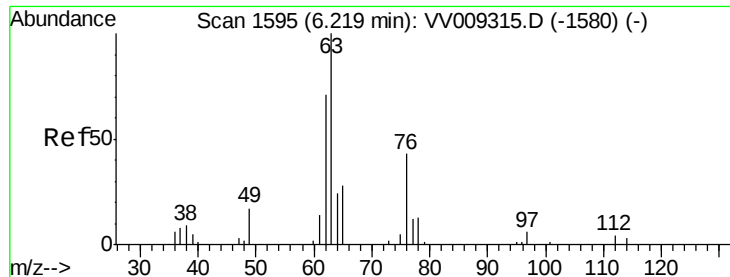
Tgt Ion: 62 Resp: 618
Ion Ratio Lower Upper
62 100
98 0.0 8.5 12.7#



#35
Trichloroethene
Concen: 1.585 ug/L
RT: 5.67 min Scan# 1423
Delta R.T. -0.29 min
Lab File: VV009324.D
Acq: 21 Feb 2019 14:53

Tgt Ion: 95 Resp: 3309
Ion Ratio Lower Upper
95 100
97 0.0 45.0 83.6#
132 0.0 68.7 127.5#
130 0.0 72.2 134.0#

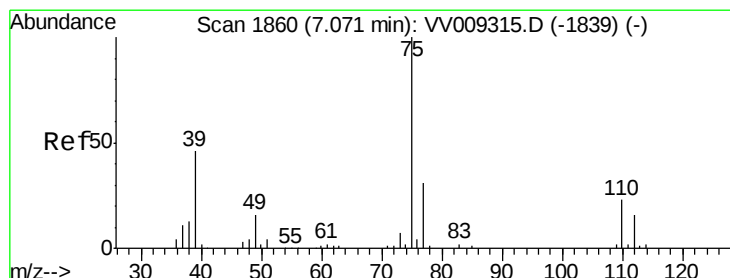
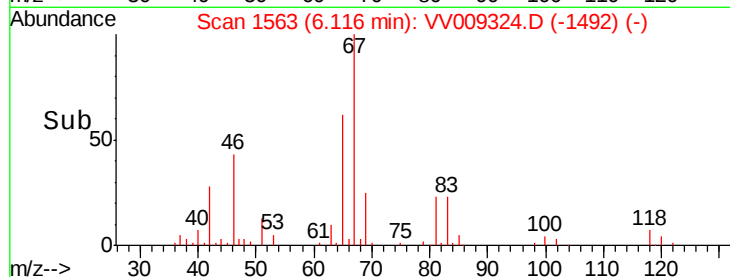
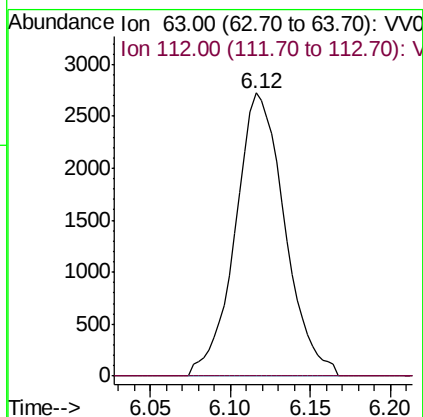
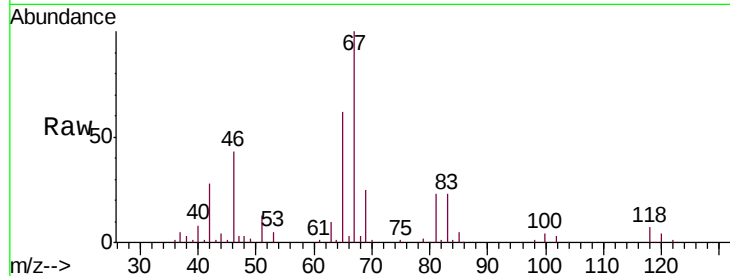




#40
 1,2-Dichloropropane
 Concen: 3.163 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009324.D
 Acq: 21 Feb 2019 14:53

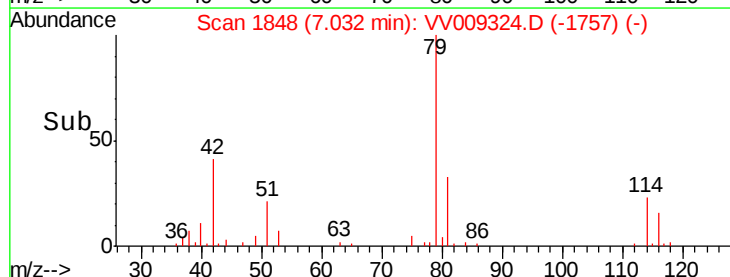
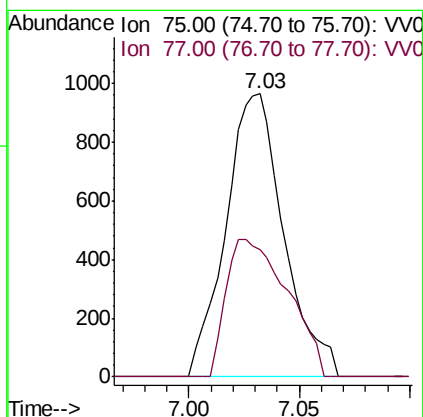
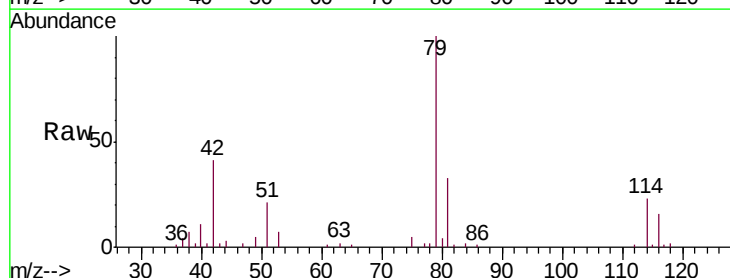
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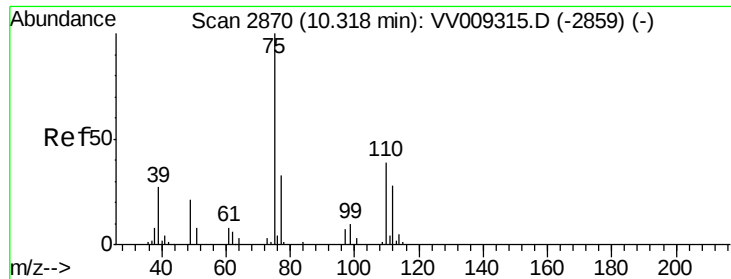
Tgt Ion: 63 Resp: 5763
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.571 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009324.D
 Acq: 21 Feb 2019 14:53

Tgt Ion: 75 Resp: 1767
 Ion Ratio Lower Upper
 75 100
 77 44.9 22.0 40.8#





#59

1,2,3-Trichloropropane

Concen: 4.550 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009324.D

Acq: 21 Feb 2019 14:53

Instrument :

MSVOA_V

ClientSampleId :

BF5X4

Tgt Ion: 75 Resp: 7465

Ion Ratio Lower Upper

75 100

77 37.8 26.3 39.5

