

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011720\
 Data File : VV014338.D
 Acq On : 17 Jan 2020 15:12
 Operator : SY/MD
 Sample : L1169-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF768

Quant Time: Jan 17 22:55:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 17 22:51:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	791122	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	717250	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	338002	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	218886	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.59	69	192933	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.13	63	276683	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	3.93	46	631527	47.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.98%
24) Chloroform-d	4.40	84	505897	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.08	65	253103	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.10	84	1063992	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.12	67	338744	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.36	98	930629	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.66	79	131559	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.13	63	596980	48.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.06%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	226914	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	310282	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

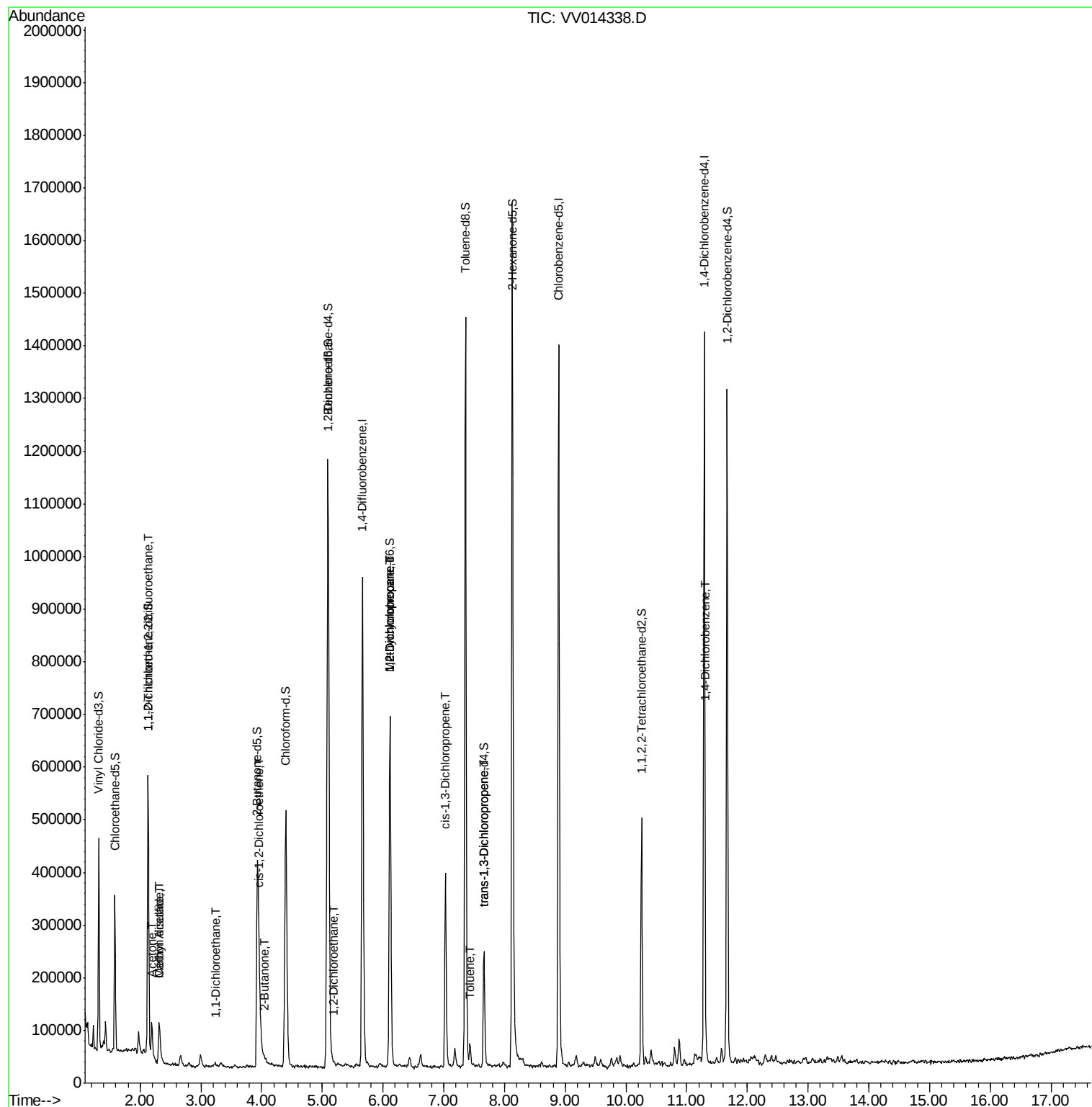
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3031	0.086	ug/L #	37
13) Acetone	2.19	43	66936	7.310	ug/L	96
14) Carbon disulfide	2.32	76	8254	0.053	ug/L #	89
15) Methyl Acetate	2.32	43	19954	0.936	ug/L #	55
19) 1,1-Dichloroethane	3.23	63	6266	0.060	ug/L	90
21) 2-Butanone	4.05	43	15914	1.159	ug/L	80
22) cis-1,2-Dichloroethene	3.96	96	5561	0.095	ug/L #	53
27) 1,2-Dichloroethane	5.19	62	4337	0.073	ug/L #	92
35) Methylcyclohexane	6.12	83	79054	0.852	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	34275	0.615	ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	9626	0.107	ug/L #	72
42) Toluene	7.43	91	27351	0.117	ug/L	94
44) trans-1,3-Dichloropropene	7.66	75	6461	0.093	ug/L #	78
63) 1,4-Dichlorobenzene	11.31	146	5435	0.052	ug/L	90

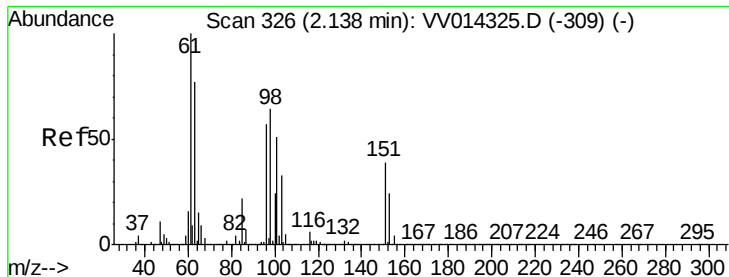
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 17 22:51:36 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.086 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014338.D

Acq: 17 Jan 2020 15:12

Instrument :

MSVOA_V

ClientSampled :

BF768

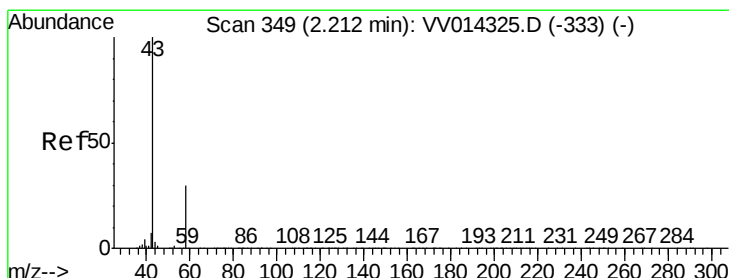
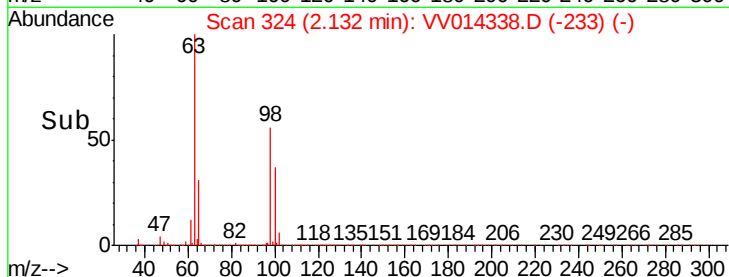
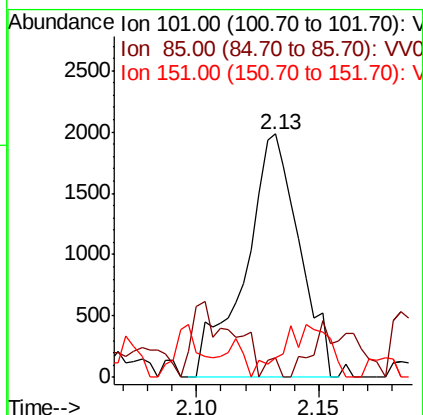
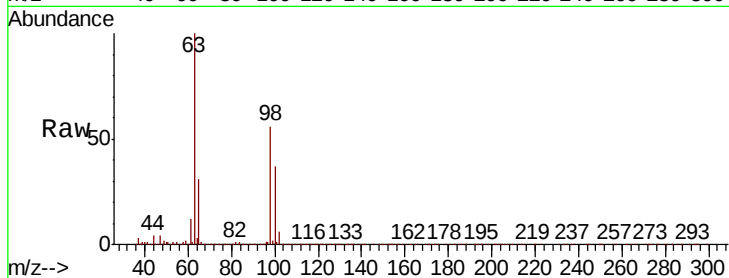
Tot Ion:101 Resp: 3031

Ion Ratio Lower Upper

101 100

85 9.8 34.9 52.3#

151 18.4 62.5 93.7#



#13

Acetone

Concen: 7.310 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.02 min

Lab File: VV014338.D

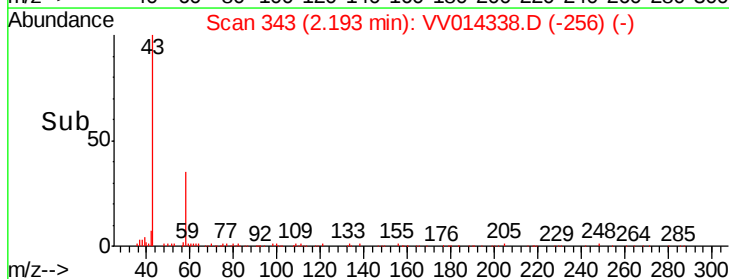
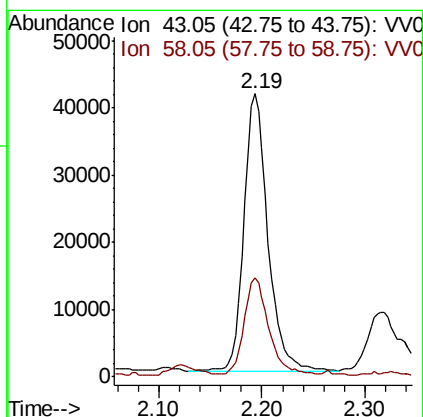
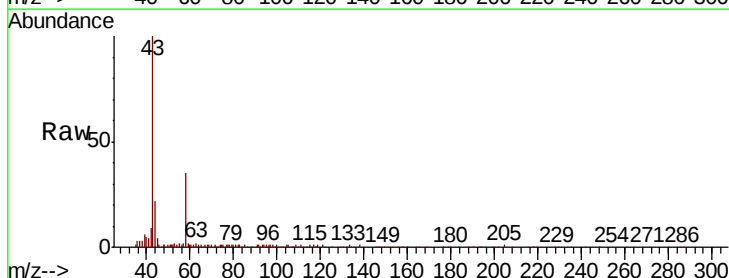
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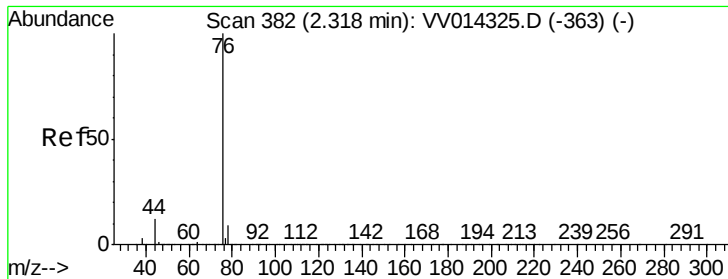
Tgt Ion: 43 Resp: 66936

Ion Ratio Lower Upper

43 100

58 35.5 0.0 66.0





#14

Carbon disulfide

Concen: 0.053 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014338.D

Acq: 17 Jan 2020 15:12

Instrument :

MSVOA_V

ClientSampleId :

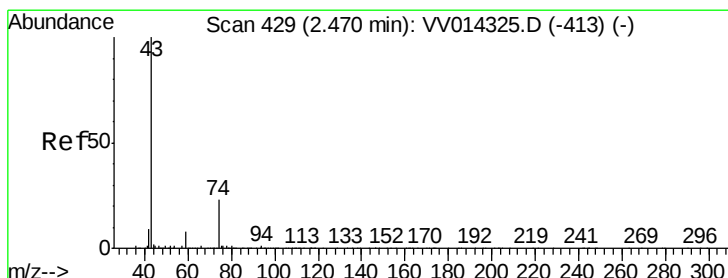
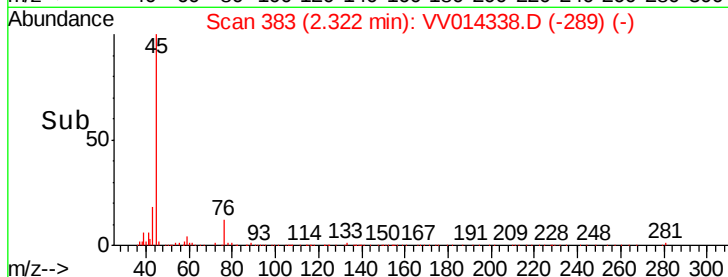
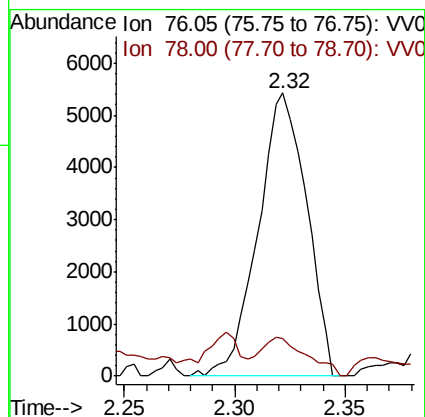
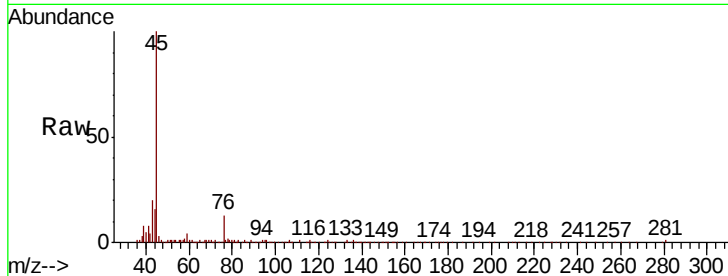
BF768

Tot Ion: 76 Resp: 8254

Ion Ratio Lower Upper

76 100

78 13.5 7.5 11.3#



#15

Methyl Acetate

Concen: 0.936 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.15 min

Lab File: VV014338.D

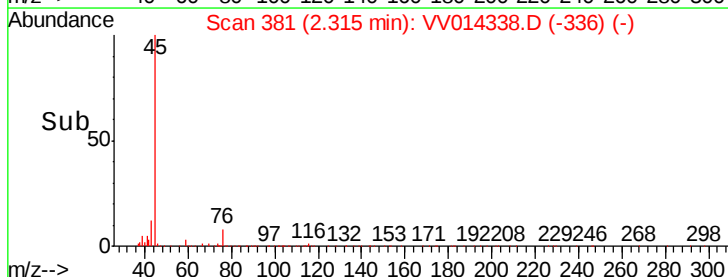
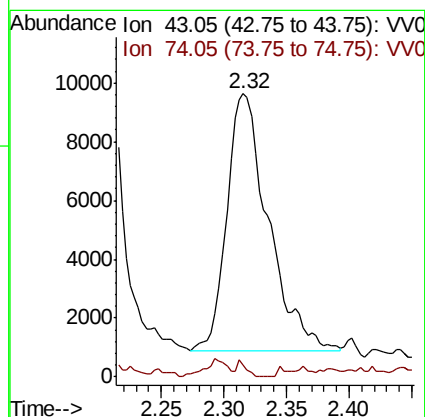
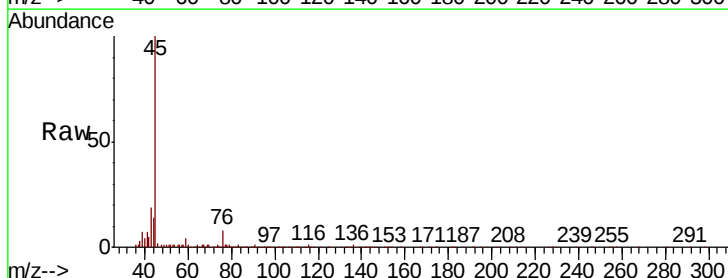
Acq: 17 Jan 2020 15:12

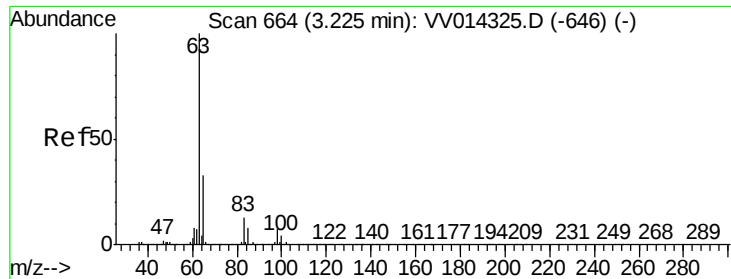
Tgt Ion: 43 Resp: 19954

Ion Ratio Lower Upper

43 100

74 1.5 18.6 28.0#

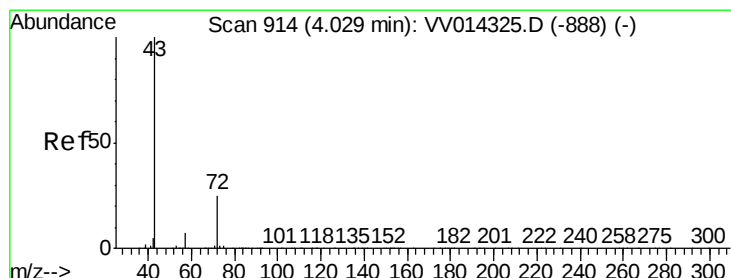
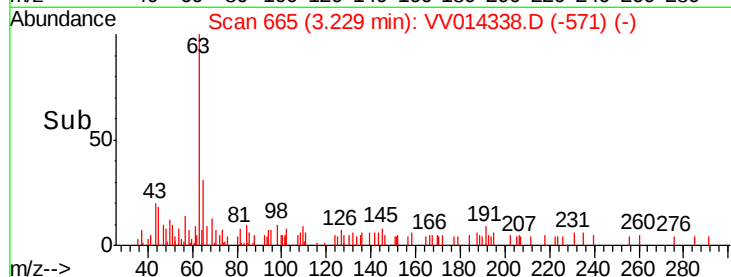
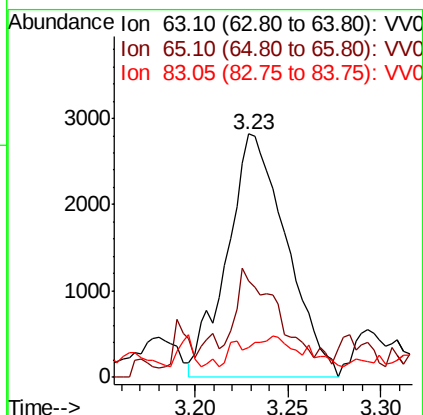
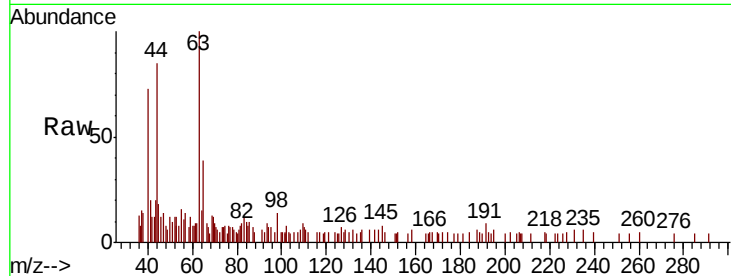




#19
 1,1-Dichloroethane
 Concen: 0.060 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014338.D
 Acq: 17 Jan 2020 15:12

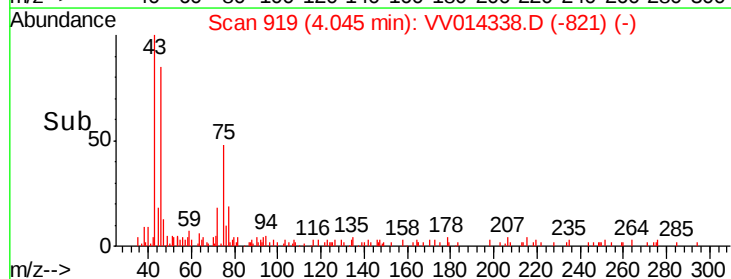
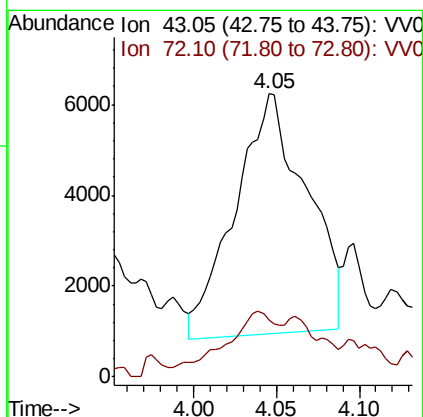
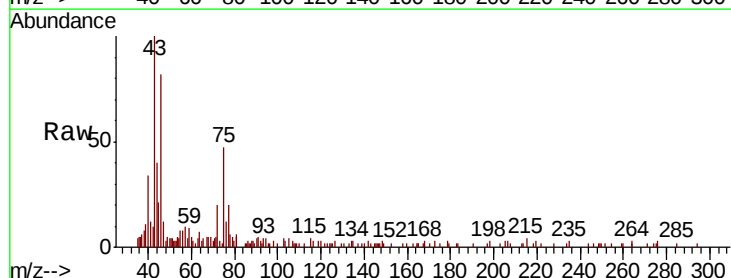
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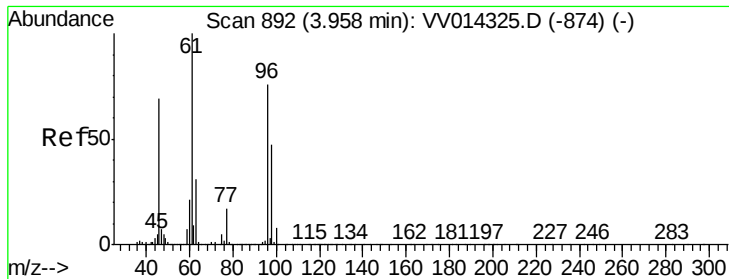
Tot Ion: 63 Resp: 6266
 Ion Ratio Lower Upper
 63 100
 65 39.5 22.7 42.3
 83 12.2 10.0 18.6



#21
 2-Butanone
 Concen: 1.159 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. 0.02 min
 Lab File: VV014338.D
 Acq: 17 Jan 2020 15:12

Tgt Ion: 43 Resp: 15914
 Ion Ratio Lower Upper
 43 100
 72 14.8 12.4 37.2





#22

cis-1,2-Dichloroethene

Concen: 0.095 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV014338.D

Acq: 17 Jan 2020 15:12

Instrument :

MSVOA_V

ClientSampleId :

BF768

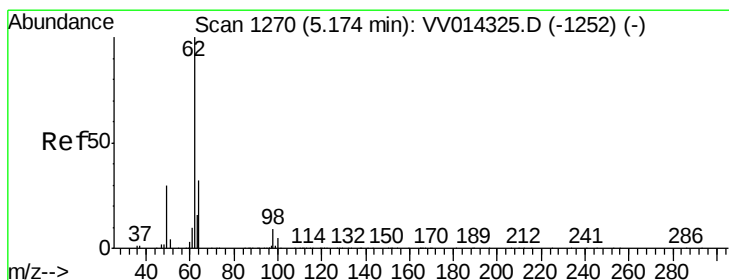
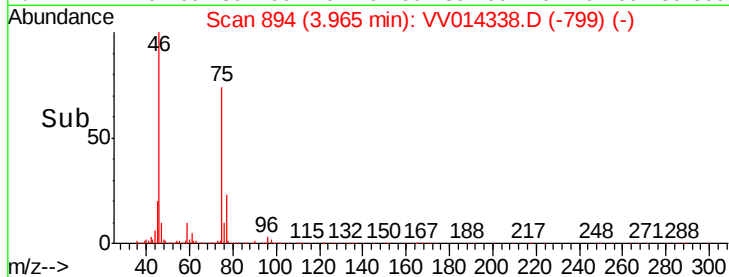
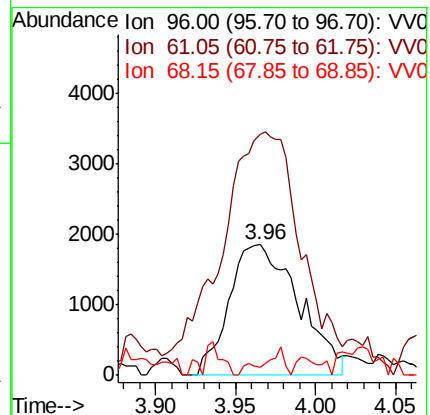
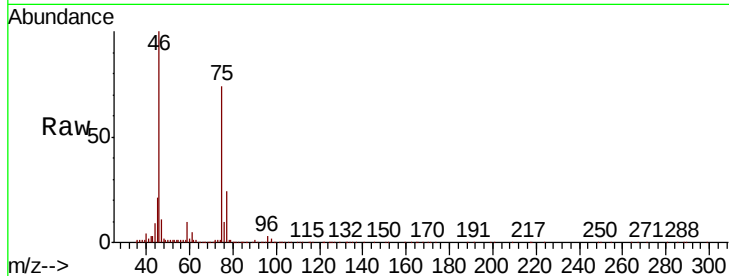
Tot Ion: 96 Resp: 5561

Ion Ratio Lower Upper

96 100

61 184.3 90.6 168.3#

68 6.5 0.3 0.7#



#27

1,2-Dichloroethane

Concen: 0.073 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VV014338.D

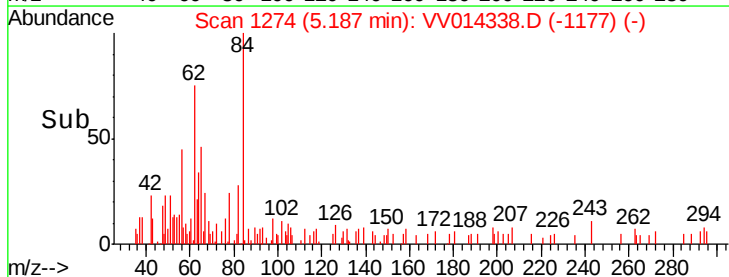
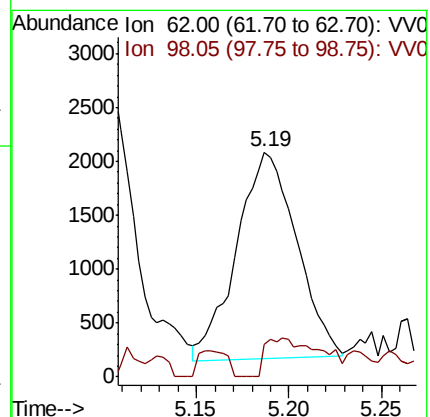
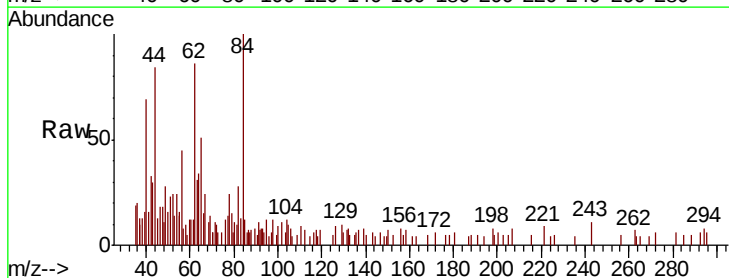
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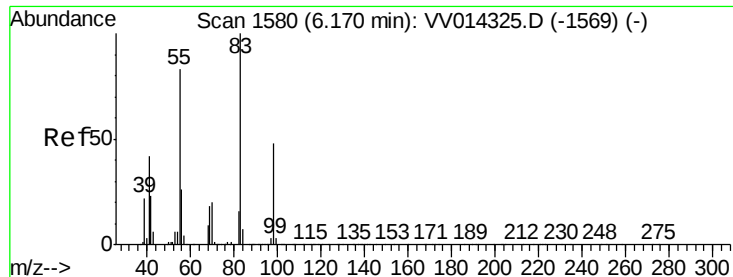
Tgt Ion: 62 Resp: 4337

Ion Ratio Lower Upper

62 100

98 14.4 9.2 13.8#

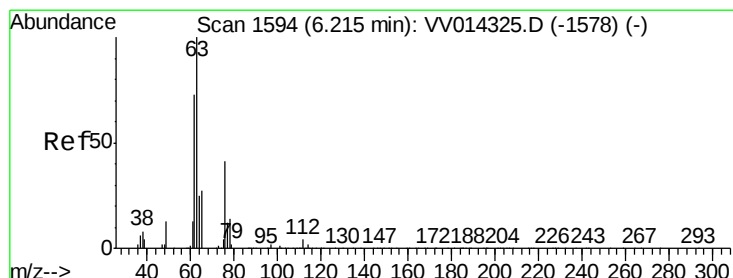
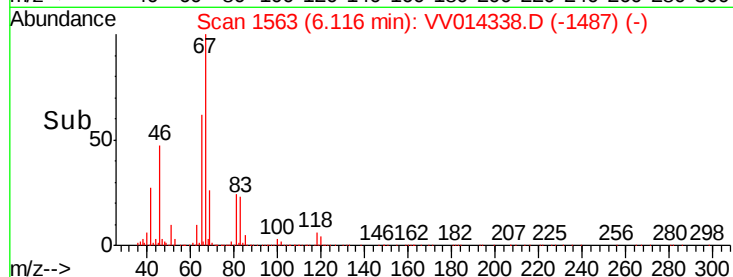
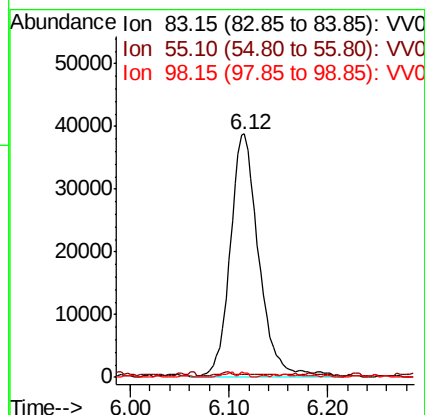
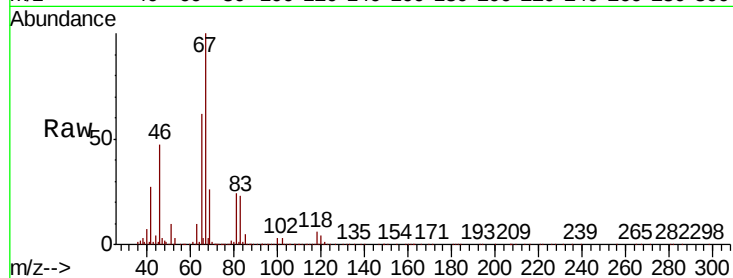




#35
Methvlcvclohexane
Concen: 0.852 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV014338.D
Acq: 17 Jan 2020 15:12

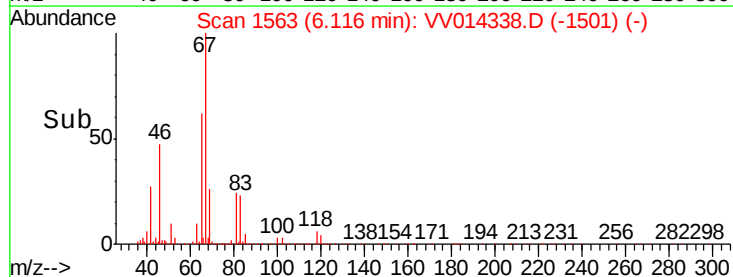
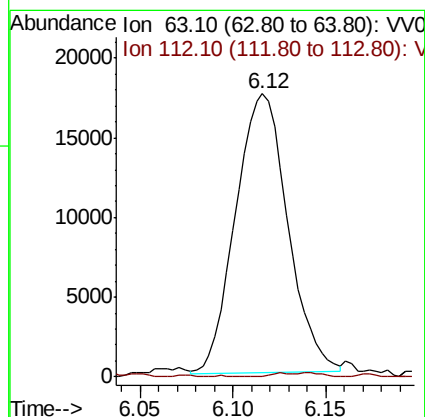
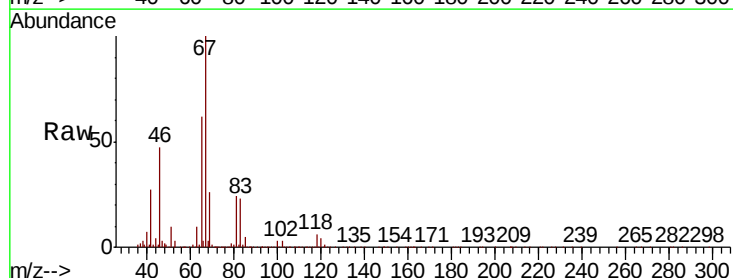
Instrument :
MSVOA_V
ClientSampled :
BF768

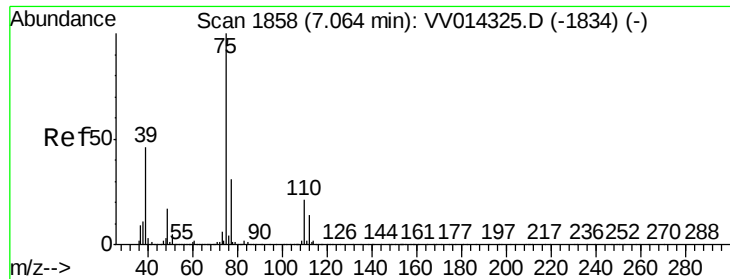
Tot Ion: 83 Resp: 79054
Ion Ratio Lower Upper
83 100
55 0.2 61.7 92.5#
98 0.5 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 0.615 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV014338.D
Acq: 17 Jan 2020 15:12

Tgt Ion: 63 Resp: 34275
Ion Ratio Lower Upper
63 100
112 0.6 3.7 5.5#





#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.03 min

Lab File: VV014338.D

Acq: 17 Jan 2020 15:12

Instrument :

MSVOA_V

ClientSampleId :

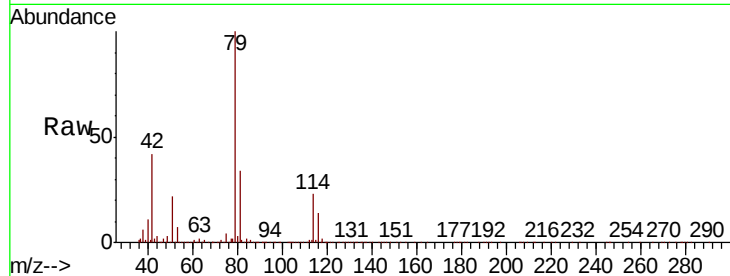
BF768

Tot Ion: 75 Resp: 9626

Ion Ratio Lower Upper

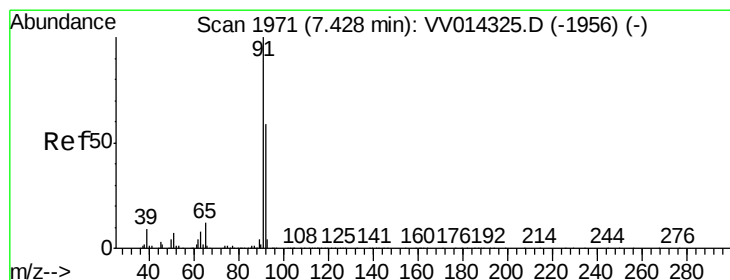
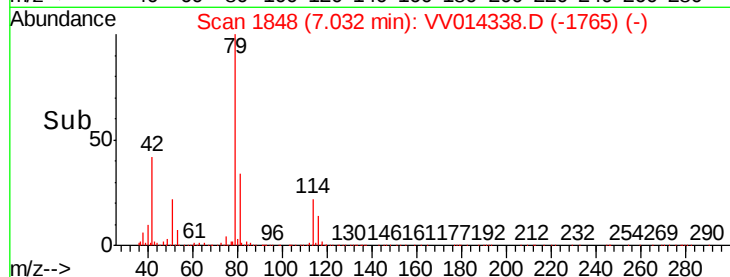
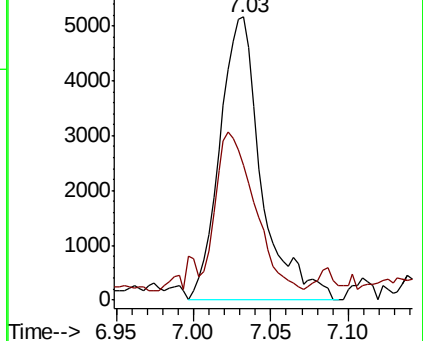
75 100

77 47.7 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#42

Toluene

Concen: 0.117 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014338.D

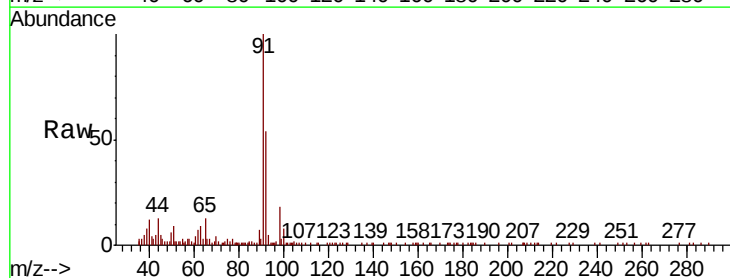
Acq: 17 Jan 2020 15:12

Tgt Ion: 91 Resp: 27351

Ion Ratio Lower Upper

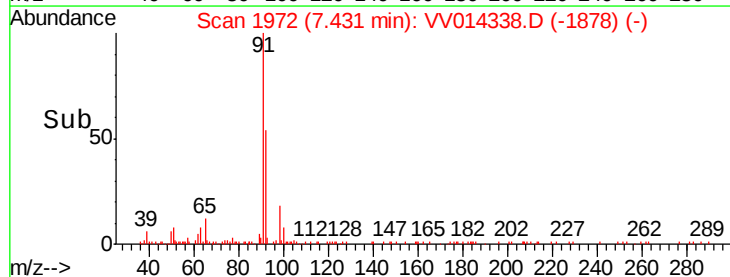
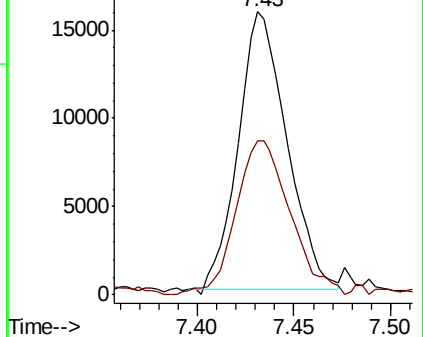
91 100

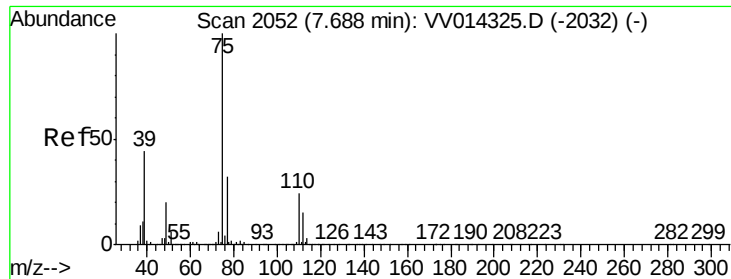
92 54.3 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV014338.D

Acq: 17 Jan 2020 15:12

Instrument :

MSVOA_V

ClientSampled :

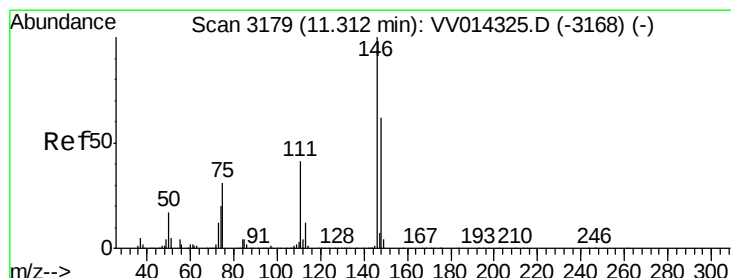
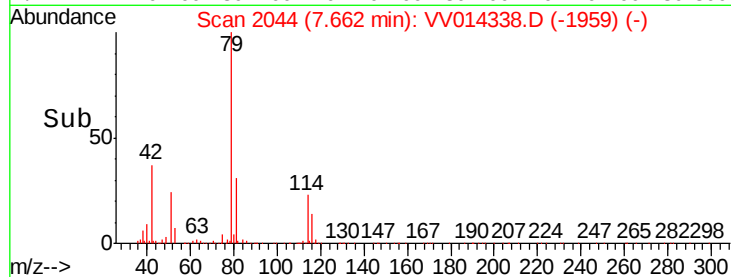
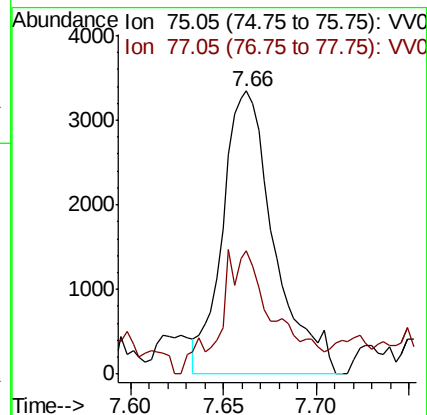
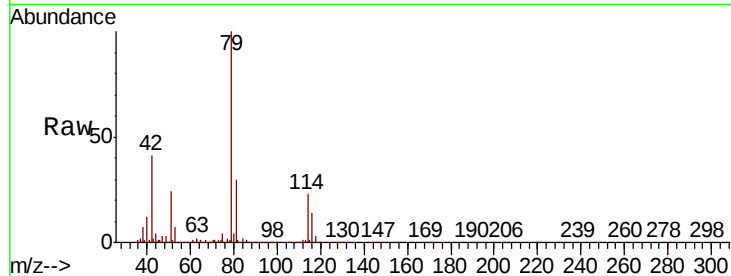
BF768

Tot Ion: 75 Resp: 6461

Ion Ratio Lower Upper

75 100

77 43.4 22.0 41.0#



#63

1,4-Dichlorobenzene

Concen: 0.052 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014338.D

Acq: 17 Jan 2020 15:12

Tgt Ion: 146 Resp: 5435

Ion Ratio Lower Upper

146 100

111 53.0 28.8 53.4

148 60.9 44.5 82.7

