

Data File : VV012652.D
Acq On : 10 Sep 2019 12:56
Operator : SY/MD
Sample : K4724-14RE
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFDB4RE

Quant Time: Sep 11 05:25:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 05:21:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	209825	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	213777	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	77529	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71573	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.58	69	65858	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.80%
11) 1,1-Dichloroethene-d2	2.13	63	88185	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	3.93	46	206896	60.41	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.82%
24) Chloroform-d	4.40	84	123159	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.08	65	84115	6.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	135.80%#
32) Benzene-d6	5.10	84	260190	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.12	67	91947	5.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.40%
41) Toluene-d8	7.36	98	188960	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	7.66	79	28867	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.13	63	108608	51.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	71334	6.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.60%#
64) 1,2-Dichlorobenzene-d4	11.67	152	81131	6.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.40%#

Target Compounds

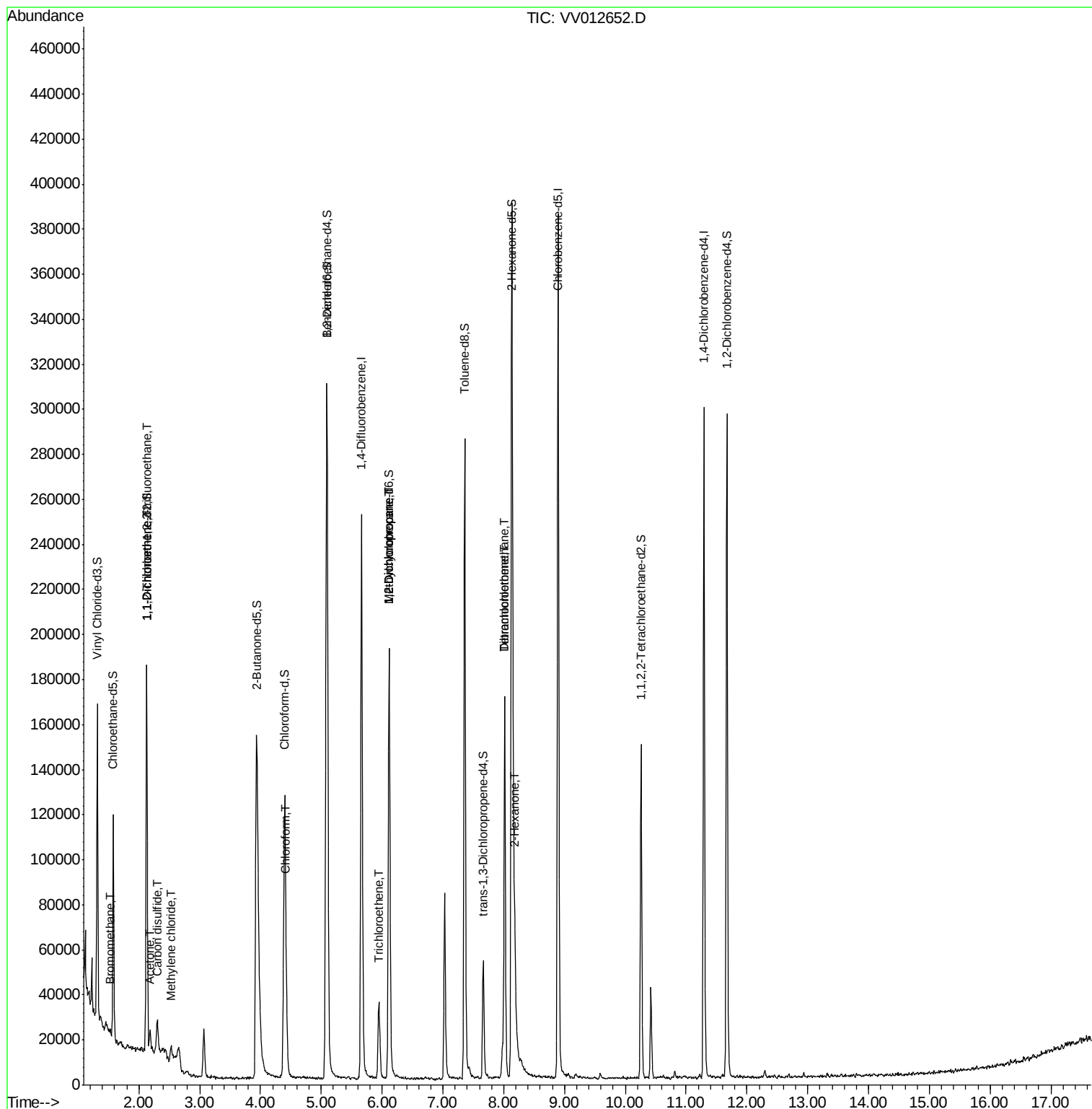
					Qvalue
6) Bromomethane	1.53	94	1151	0.115 ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	959	0.070 ug/L #	36
12) 1,1-Dichloroethene	2.13	96	1133	0.087 ug/L #	1
13) Acetone	2.18	43	7885	3.928 ug/L	89
14) Carbon disulfide	2.32	76	3598	0.103 ug/L #	81
16) Methylene chloride	2.53	84	2169	0.136 ug/L	90
25) Chloroform	4.43	83	20463	0.674 ug/L	96
34) Trichloroethene	5.96	95	3184	0.184 ug/L	91
35) Methylcyclohexane	6.12	83	22199	0.910 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	10258	0.659 ug/L #	89
47) Tetrachloroethene	8.02	164	38577	2.846 ug/L	98
48) 2-Hexanone	8.18	43	34337	5.563 ug/L #	77
49) Dibromochloromethane	8.02	129	32992	2.559 ug/L #	11

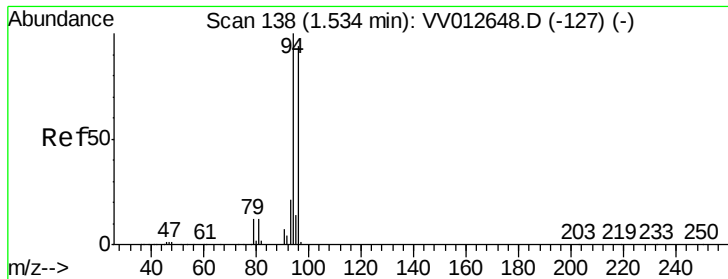
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.115 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012652.D

Acq: 10 Sep 2019 12:56

Instrument :

MSVOA_V

ClientSampleId :

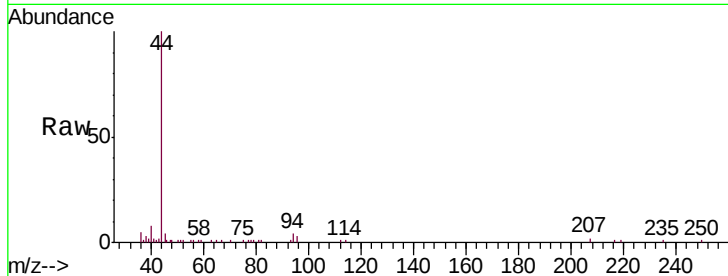
BFDB4RE

Tgt Ion: 94 Resp: 1151

Ion Ratio Lower Upper

94 100

96 81.6 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV012648.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV012648.D (-127) (-)

1.53

600

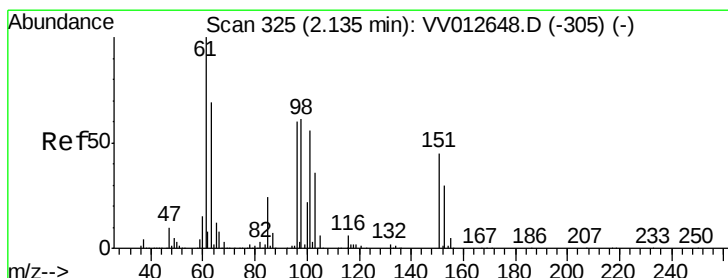
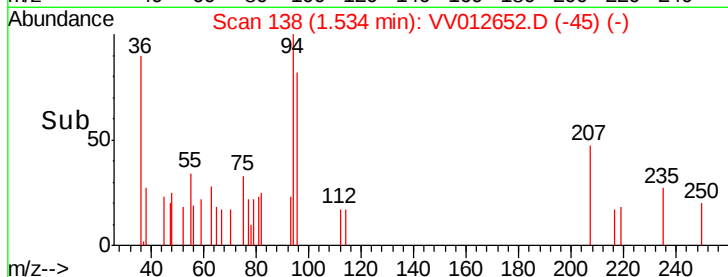
400

200

0

1.50 1.55 1.60

Time-->



#10

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

Concen: 0.070 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012652.D

Acq: 10 Sep 2019 12:56

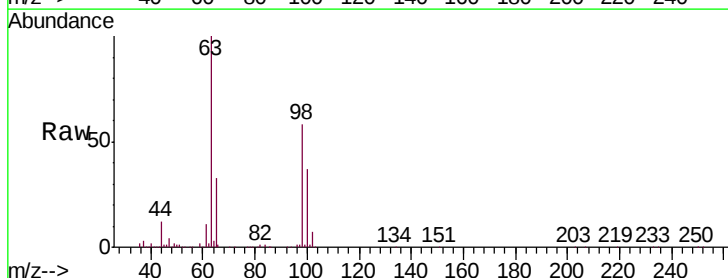
Tgt Ion: 101 Resp: 959

Ion Ratio Lower Upper

101 100

85 9.3 33.0 49.6#

151 19.3 65.8 98.8#



Abundance Ion 101.00 (100.70 to 101.70): VV012648.D (-305) (-)

Ion 85.00 (84.70 to 85.70): VV012648.D (-305) (-)

Ion 151.00 (150.70 to 151.70): VV012648.D (-305) (-)

2.13

800

600

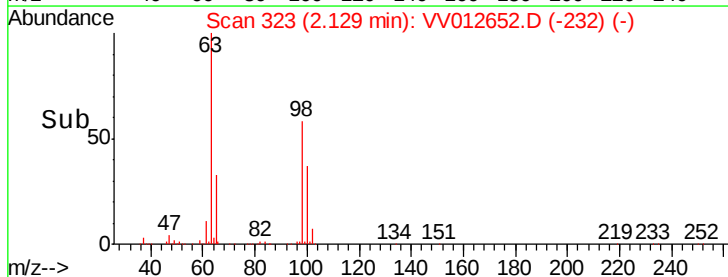
400

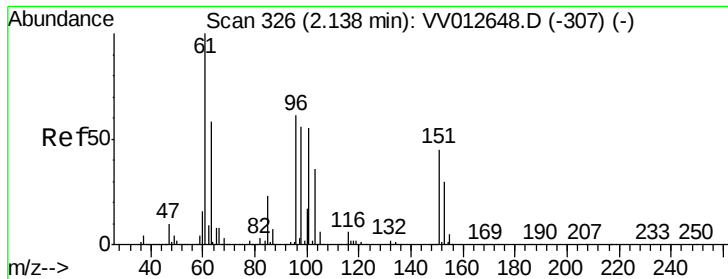
200

0

2.10 2.12 2.14 2.16

Time-->





#12

1,1-Dichloroethene

Concen: 0.087 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV012652.D

Acq: 10 Sep 2019 12:56

Instrument :

MSVOA_V

ClientSampleId :

BFDB4RE

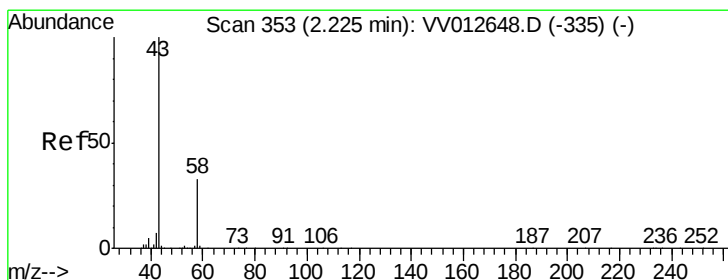
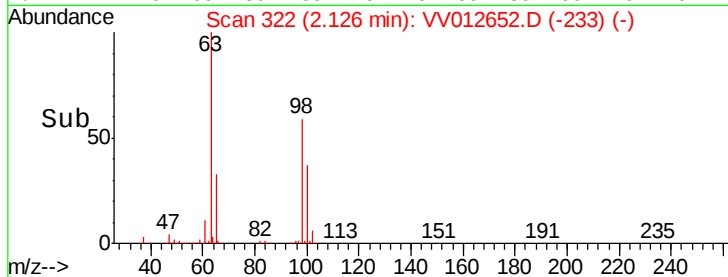
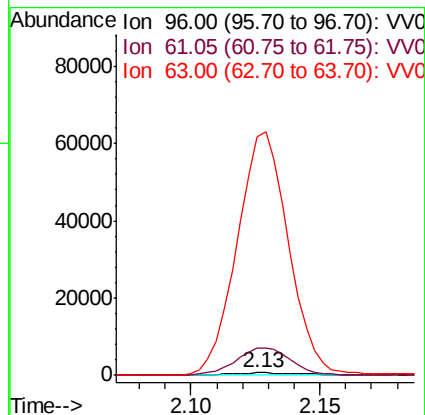
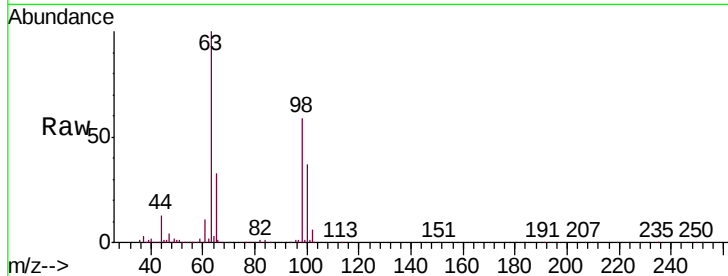
Tgt Ion: 96 Resp: 1133

Ion Ratio Lower Upper

96 100

61 969.2 115.8 215.0#

63 8498.8 79.4 147.4#



#13

Acetone

Concen: 3.928 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.04 min

Lab File: VV012652.D

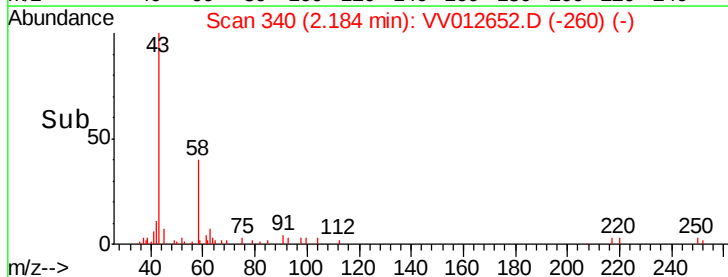
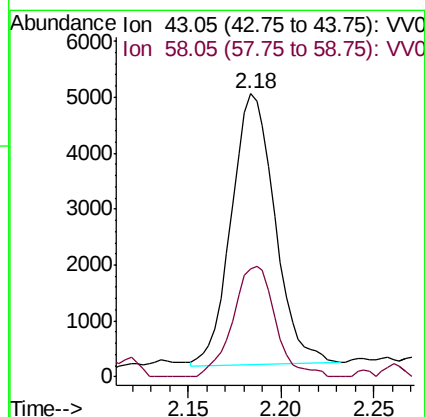
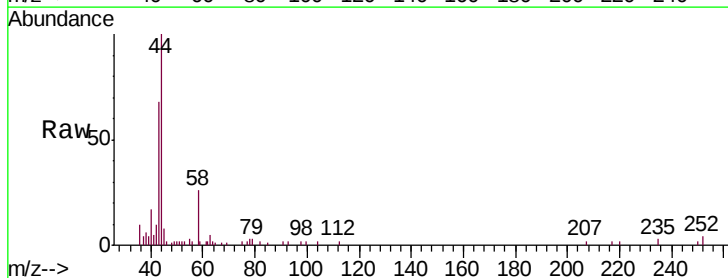
Acq: 10 Sep 2019 12:56

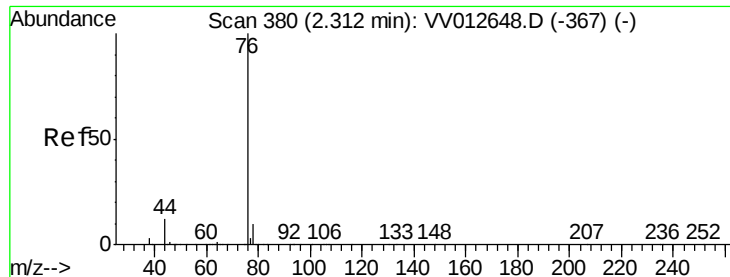
Tgt Ion: 43 Resp: 7885

Ion Ratio Lower Upper

43 100

58 40.1 0.0 67.4





#14

Carbon disulfide

Concen: 0.103 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012652.D

Acq: 10 Sep 2019 12:56

Instrument :

MSVOA_V

ClientSampled :

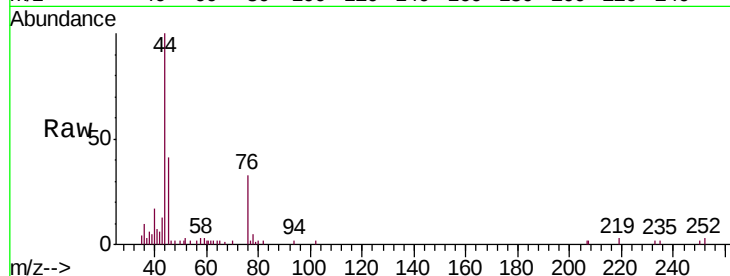
BFDB4RE

Tgt Ion: 76 Resp: 3598

Ion Ratio Lower Upper

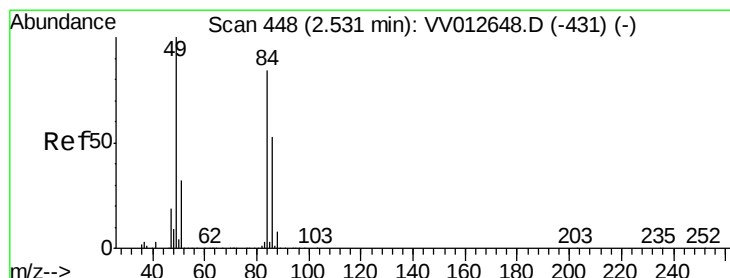
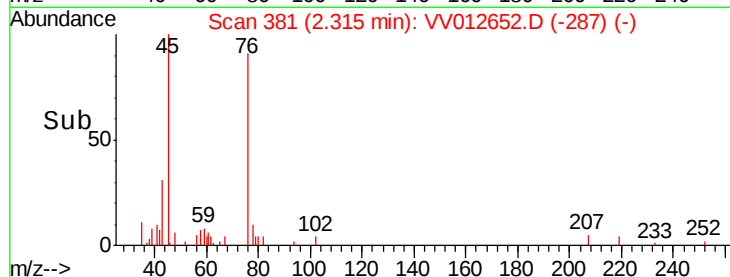
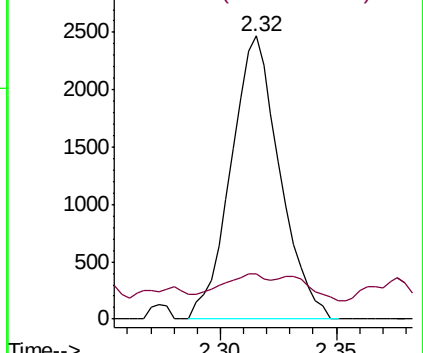
76 100

78 16.0 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.136 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV012652.D

Acq: 10 Sep 2019 12:56

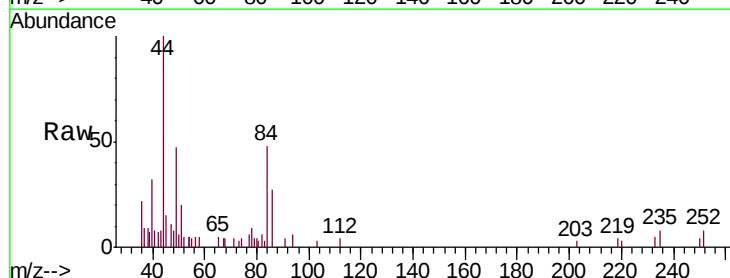
Tgt Ion: 84 Resp: 2169

Ion Ratio Lower Upper

84 100

86 56.0 46.1 85.7

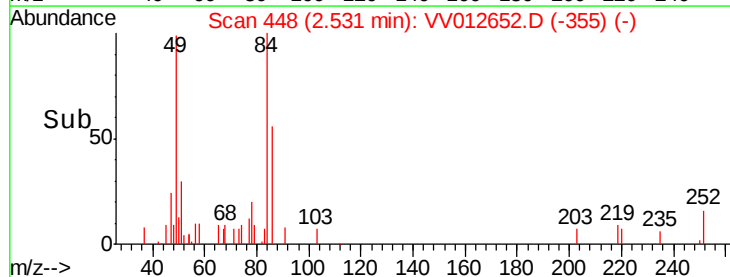
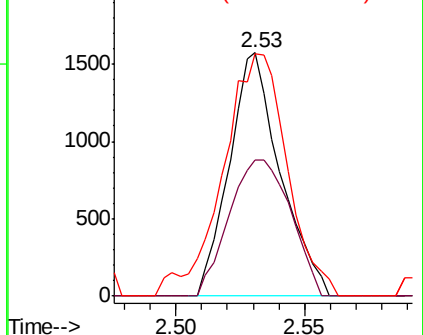
49 111.9 85.3 158.3

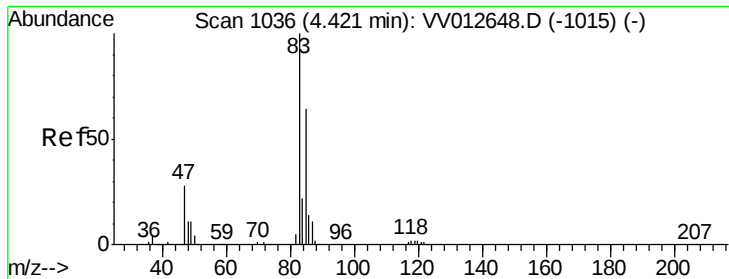


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#25

Chloroform

Concen: 0.674 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV012652.D

Acq: 10 Sep 2019 12:56

Instrument :

MSVOA_V

ClientSampleId :

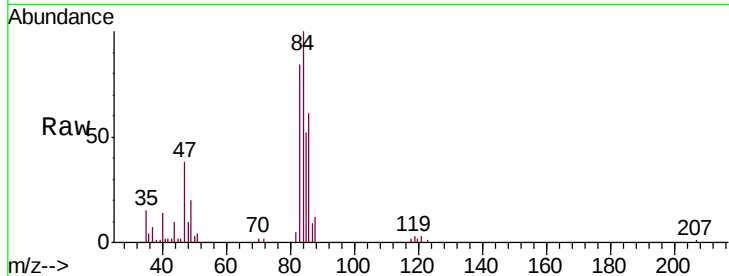
BFDB4RE

Tgt Ion: 83 Resp: 20463

Ion Ratio Lower Upper

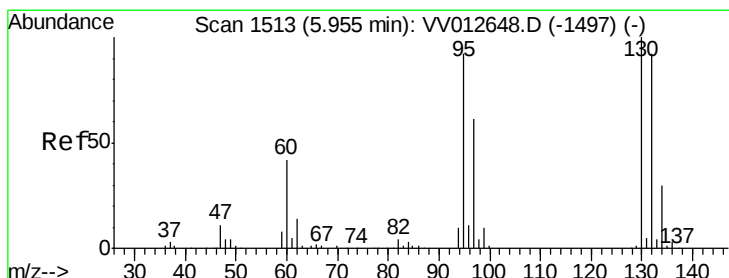
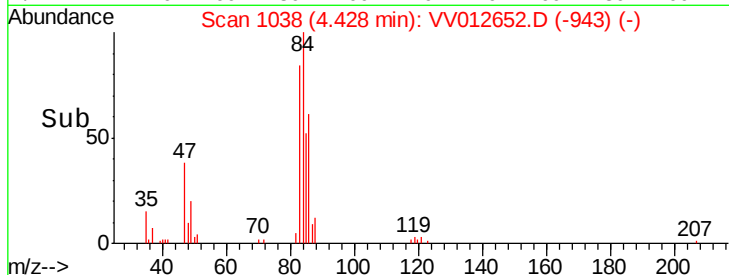
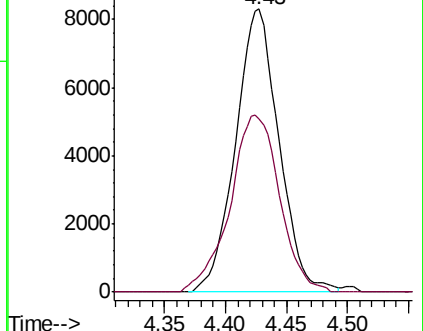
83 100

85 61.2 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VV012648.D (-1015) (-)

Ion 85.00 (84.70 to 85.70): VV012648.D (-1015) (-)



#34

Trichloroethene

Concen: 0.184 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV012652.D

Acq: 10 Sep 2019 12:56

Tgt Ion: 95 Resp: 3184

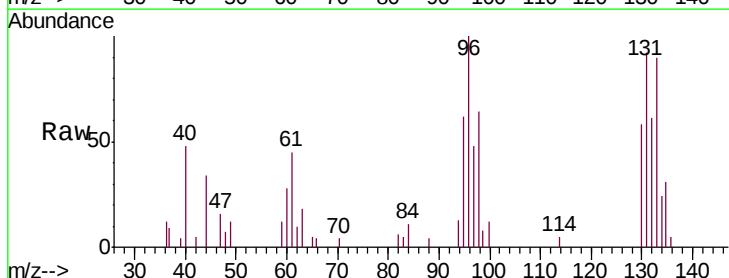
Ion Ratio Lower Upper

95 100

97 77.2 45.4 84.2

132 98.3 70.2 130.4

130 94.2 74.2 137.8

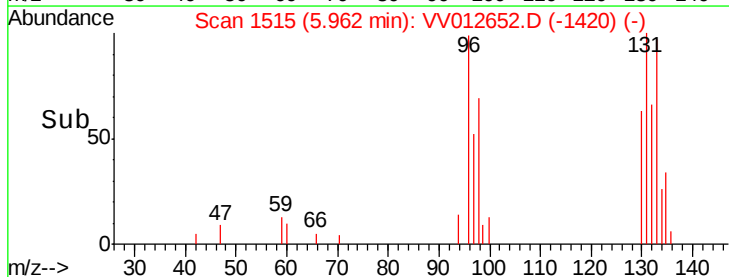
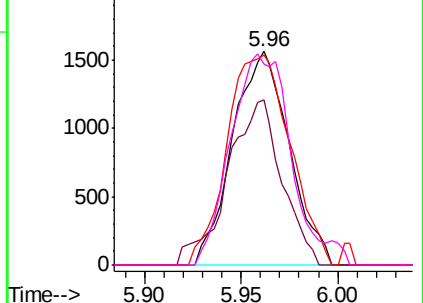


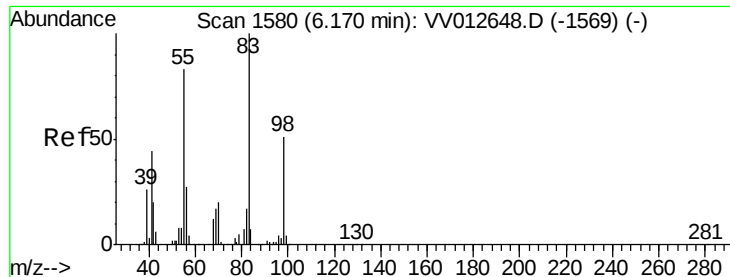
Abundance Ion 95.00 (94.70 to 95.70): VV012648.D (-1497) (-)

Ion 96.95 (96.65 to 97.65): VV012648.D (-1497) (-)

Ion 131.95 (131.65 to 132.65): VV012648.D (-1497) (-)

Ion 129.95 (129.65 to 130.65): VV012648.D (-1497) (-)





#35

Methylcyclohexane

Concen: 0.910 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV012652.D

Acq: 10 Sep 2019 12:56

Instrument :

MSVOA_V

ClientSampleId :

BFDB4RE

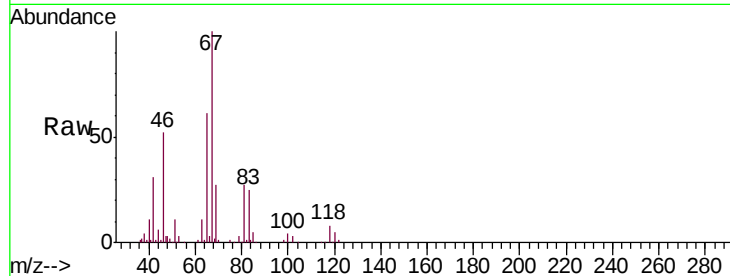
Tgt Ion: 83 Resp: 22199

Ion Ratio Lower Upper

83 100

55 0.6 63.0 94.4#

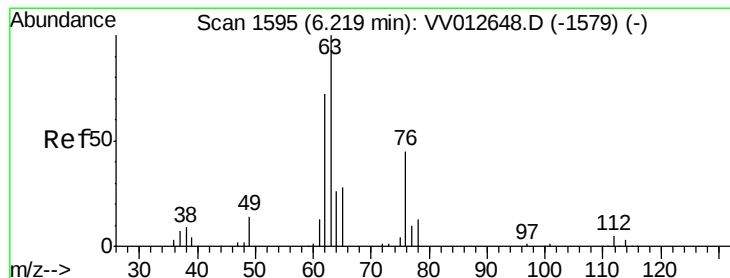
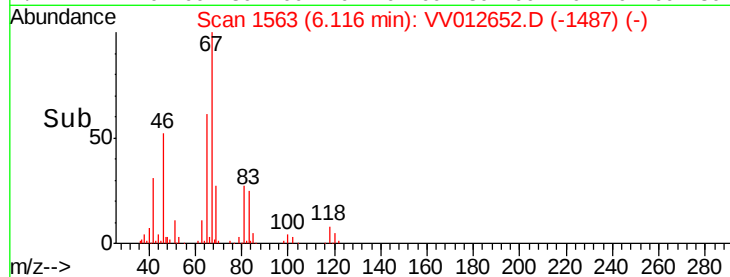
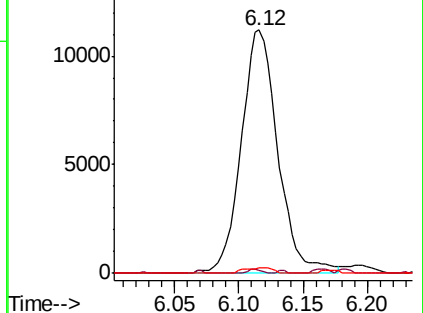
98 1.7 39.8 59.8#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.659 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012652.D

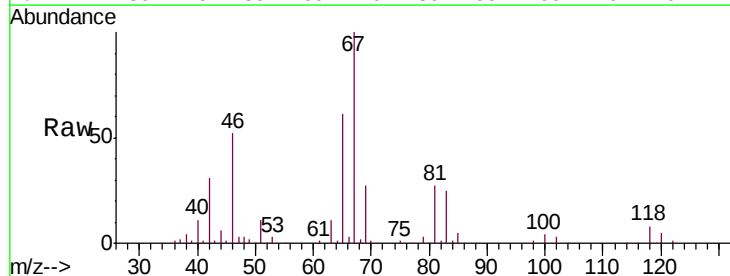
Acq: 10 Sep 2019 12:56

Tgt Ion: 63 Resp: 10258

Ion Ratio Lower Upper

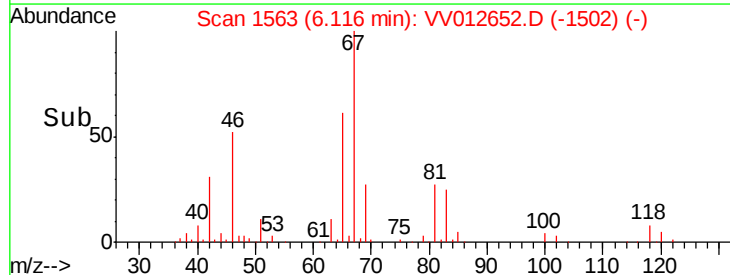
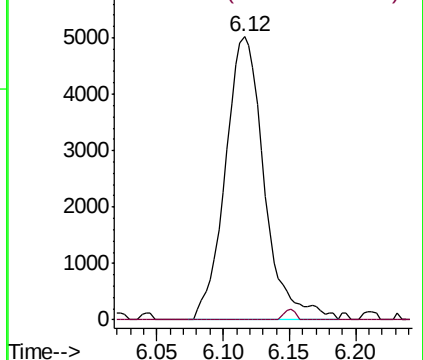
63 100

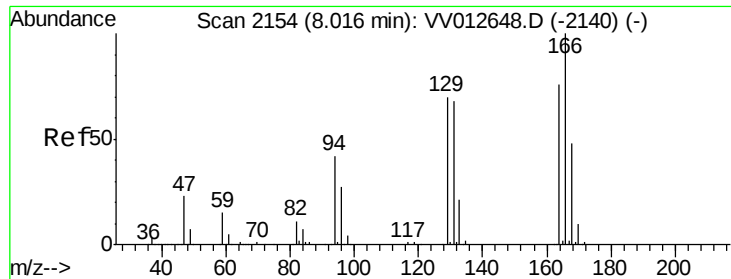
112 1.1 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

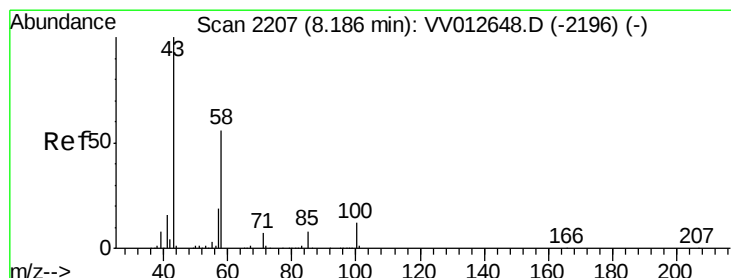
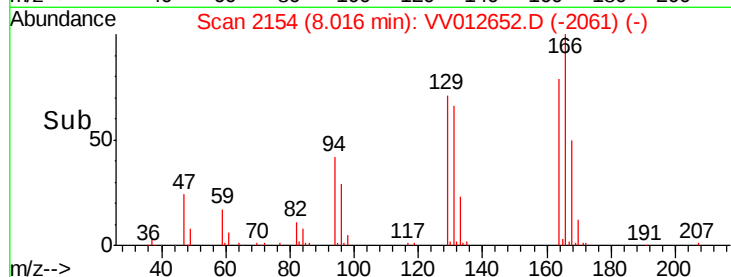
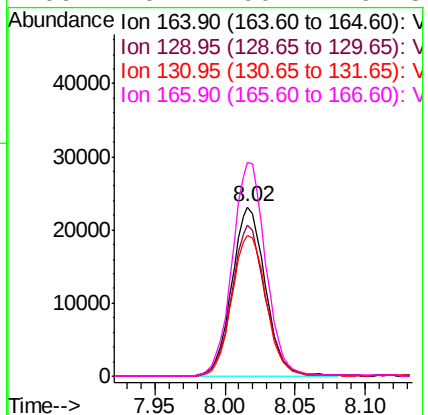
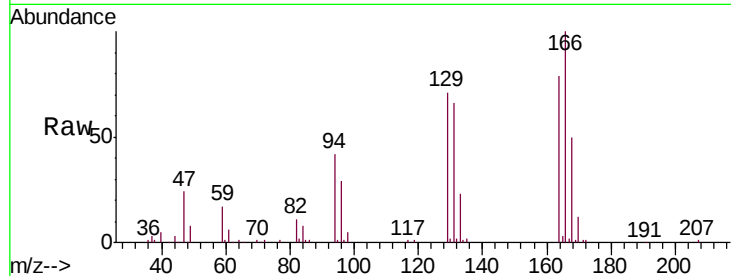




#47
Tetrachloroethene
Concen: 2.846 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012652.D
Acq: 10 Sep 2019 12:56

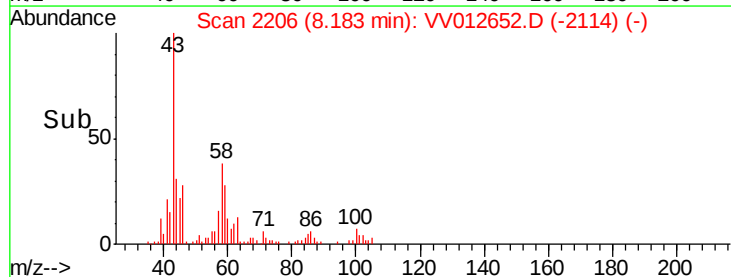
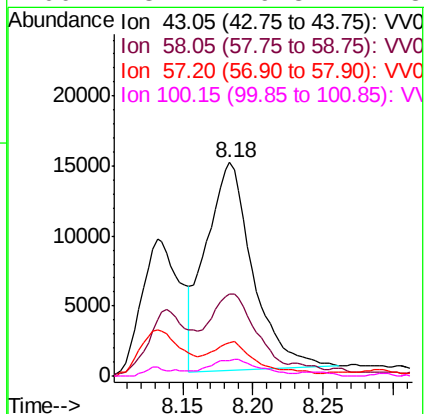
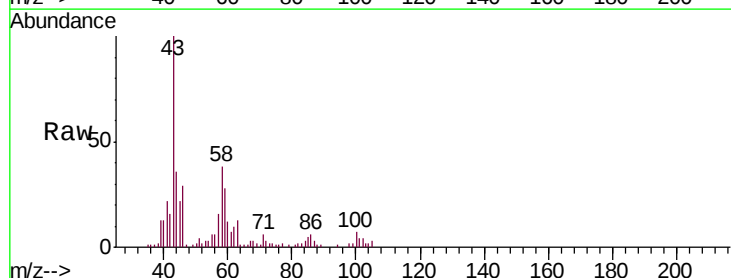
Instrument :
MSVOA_V
ClientSampleId :
BFDB4RE

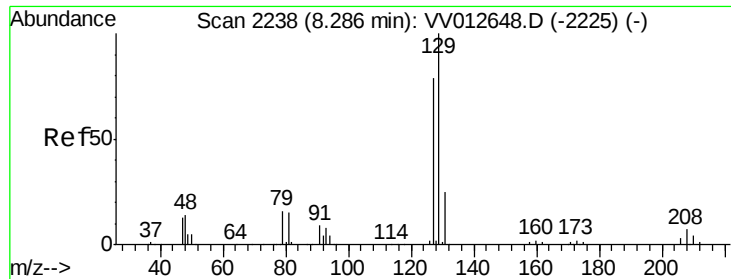
Tgt Ion:	164	Resp:	38577
Ion	Ratio	Lower	Upper
164	100		
129	89.4	61.9	114.9
131	83.6	59.7	110.9
166	126.4	90.4	167.8



#48
2-Hexanone
Concen: 5.563 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV012652.D
Acq: 10 Sep 2019 12:56

Tgt Ion:	43	Resp:	34337
Ion	Ratio	Lower	Upper
43	100		
58	32.8	44.8	67.2#
57	16.9	14.9	22.3
100	8.4	9.8	14.8#





#49
 Dibromochloromethane
 Concen: 2.559 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.27 min
 Lab File: VV012652.D
 Acq: 10 Sep 2019 12:56

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDB4RE

Tgt Ion:129 Resp: 32992
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.5 99.5#

