

Data File : VV012665.D
Acq On : 10 Sep 2019 19:09
Operator : SY/MD
Sample : K4809-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFDC1

Quant Time: Sep 11 05:27:35 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	400903	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	397737	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	167873	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96245	3.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.80%
7) Chloroethane-d5	1.58	69	82769	3.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.60%
11) 1,1-Dichloroethene-d2	2.13	63	123777	2.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.40%#
20) 2-Butanone-d5	3.94	46	323053	49.36	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.72%
24) Chloroform-d	4.40	84	193092	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.20%
26) 1,2-Dichloroethane-d4	5.08	65	102327	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.10	84	361398	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.00%
36) 1,2-Dichloropropane-d6	6.12	67	124342	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.40%
41) Toluene-d8	7.36	98	277441	3.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.20%#
43) trans-1,3-Dichloropropene-	7.67	79	35571	3.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.60%
46) 2-Hexanone-d5	8.14	63	160351	40.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	95959	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	122565	4.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.40%

Target Compounds

						Qvalue
8) Chloroethane	1.56	64	94506	4.588	ug/L #	52
12) 1,1-Dichloroethene	2.14	96	17149	0.689	ug/L #	4
13) Acetone	2.20	43	48568	12.662	ug/L	97
14) Carbon disulfide	2.32	76	6768	0.101	ug/L #	85
15) Methyl Acetate	2.46	43	23662	2.293	ug/L	96
18) trans-1,2-Dichloroethene	2.78	96	3580	0.128	ug/L	99
19) 1,1-Dichloroethane	3.23	63	10483	0.199	ug/L	95
21) 2-Butanone	4.05	43	20058	3.049	ug/L #	67
22) cis-1,2-Dichloroethene	3.96	96	1108518	36.446	ug/L	98
34) Trichloroethene	5.96	95	274424	8.543	ug/L	99
35) Methylcyclohexane	6.12	83	28904	0.637	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	12761	0.441	ug/L #	87
42) Toluene	7.43	91	8954	0.074	ug/L	96
44) trans-1,3-Dichloropropene	7.67	75	1536	0.054	ug/L	99
47) Tetrachloroethene	8.02	164	1625482	64.464	ug/L	98
48) 2-Hexanone	8.19	43	48020	4.181	ug/L #	84
49) Dibromochloromethane	8.02	129	1434680	59.813	ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 05:21:41 2019
Response via : Initial Calibration

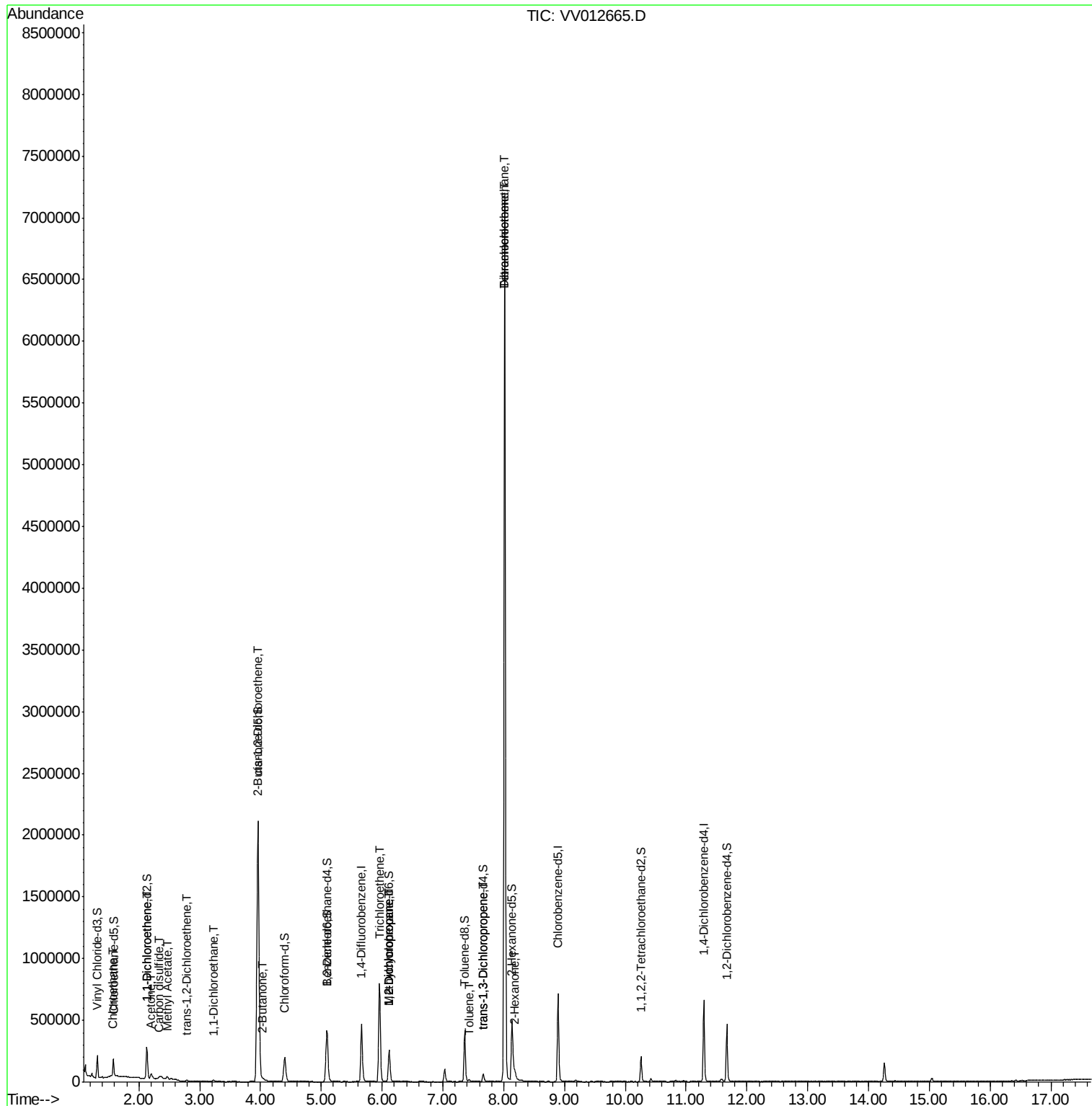
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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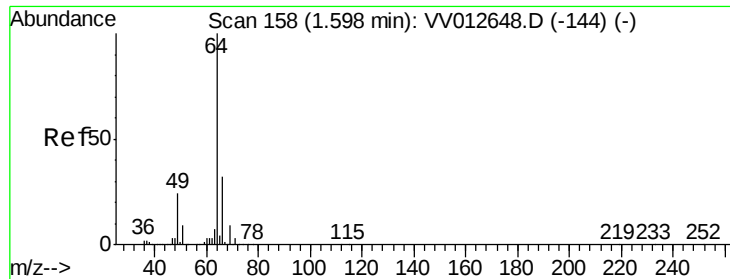
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 4.588 ug/L

RT: 1.56 min Scan# 145

Delta R.T. -0.04 min

Lab File: VV012665.D

Acq: 10 Sep 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

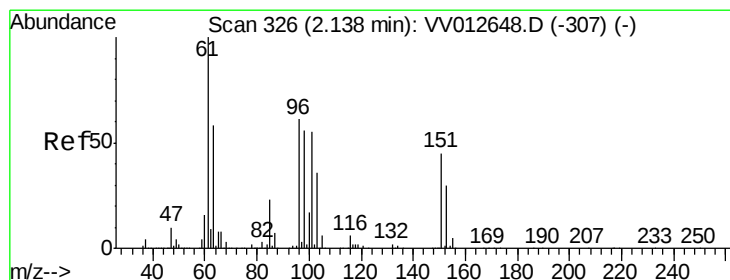
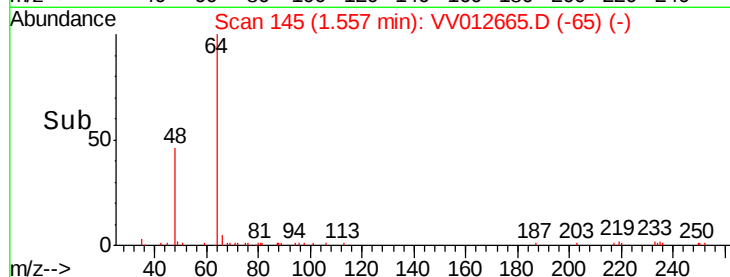
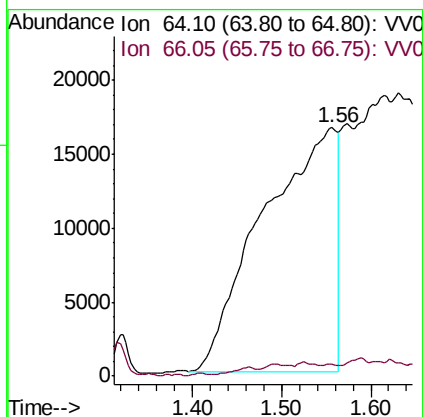
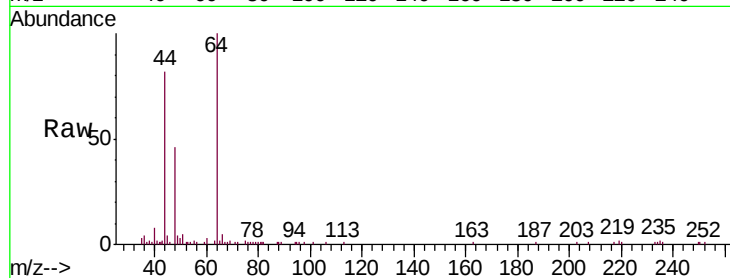
BFDC1

Tgt Ion: 64 Resp: 94506

Ion Ratio Lower Upper

64 100

66 4.6 21.6 40.0#



#12

1,1-Dichloroethene

Concen: 0.689 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012665.D

Acq: 10 Sep 2019 19:09

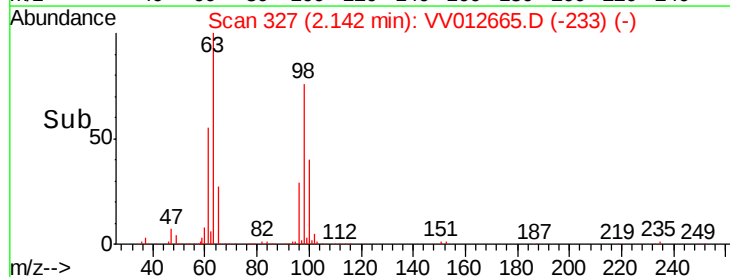
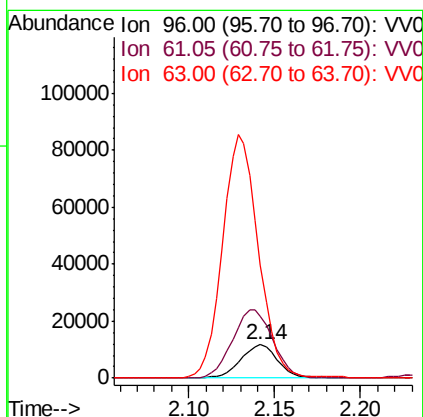
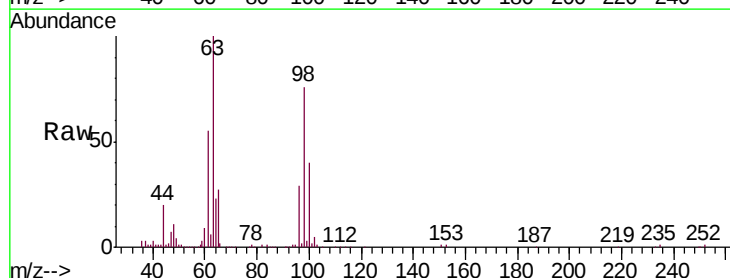
Tgt Ion: 96 Resp: 17149

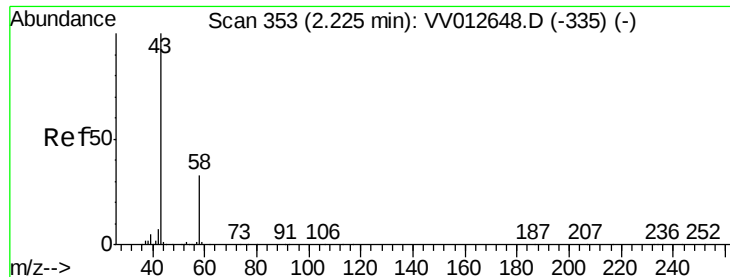
Ion Ratio Lower Upper

96 100

61 187.7 115.8 215.0

63 340.0 79.4 147.4#





#13

Acetone

Concen: 12.662 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.03 min

Lab File: VV012665.D

Acq: 10 Sep 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

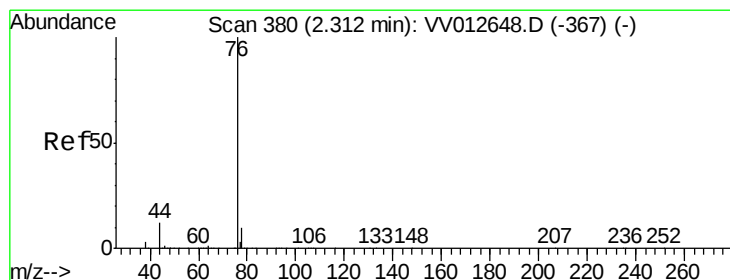
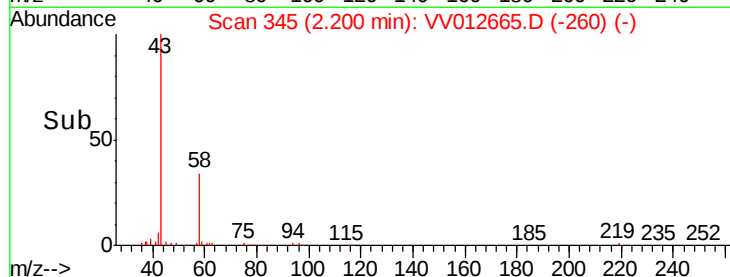
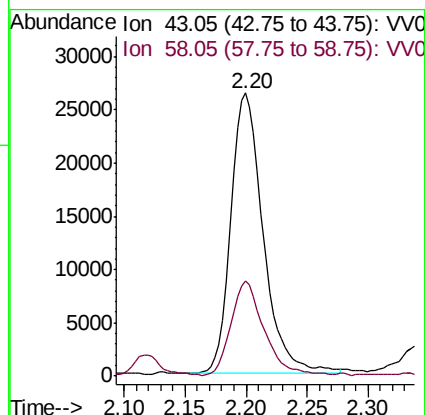
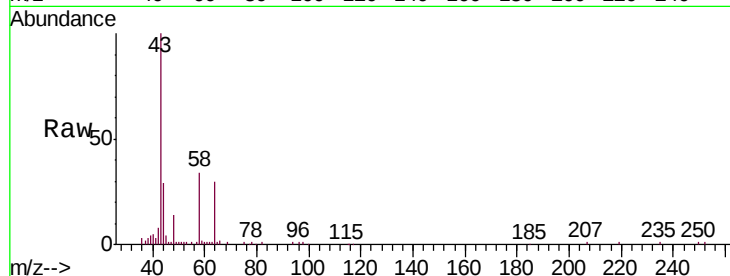
BFDC1

Tgt Ion: 43 Resp: 48568

Ion Ratio Lower Upper

43 100

58 35.3 0.0 67.4



#14

Carbon disulfide

Concen: 0.101 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV012665.D

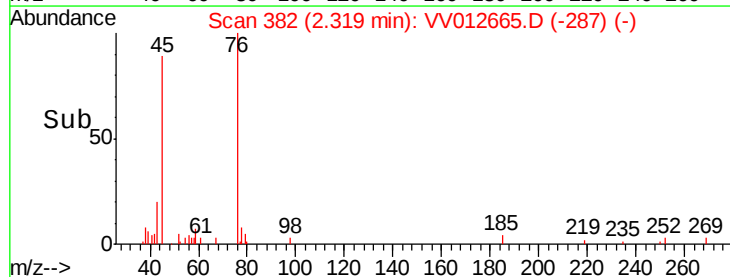
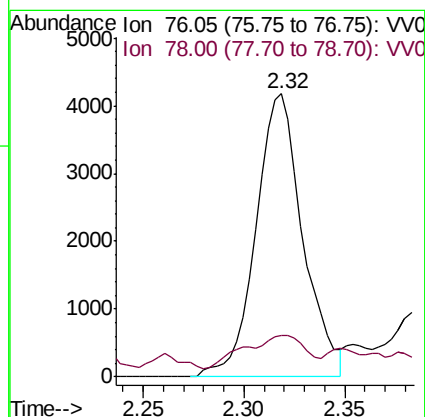
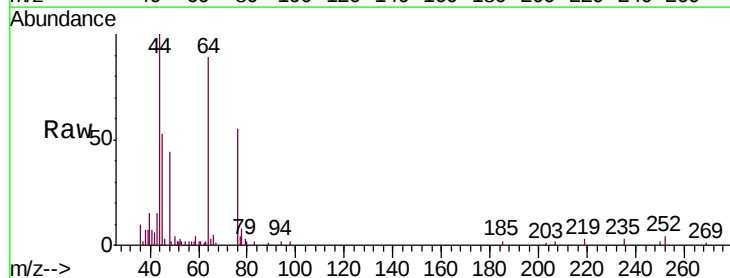
Acq: 10 Sep 2019 19:09

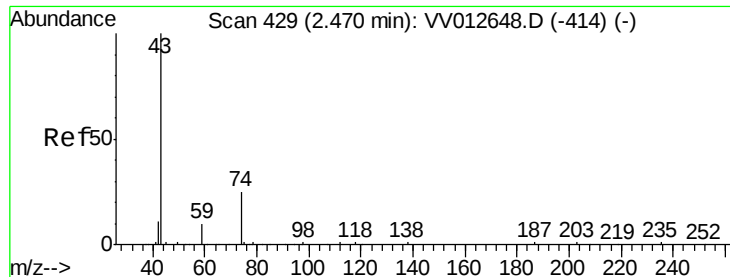
Tgt Ion: 76 Resp: 6768

Ion Ratio Lower Upper

76 100

78 14.7 7.4 11.2#





#15

Methyl Acetate

Concen: 2.293 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.01 min

Lab File: VV012665.D

Acq: 10 Sep 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

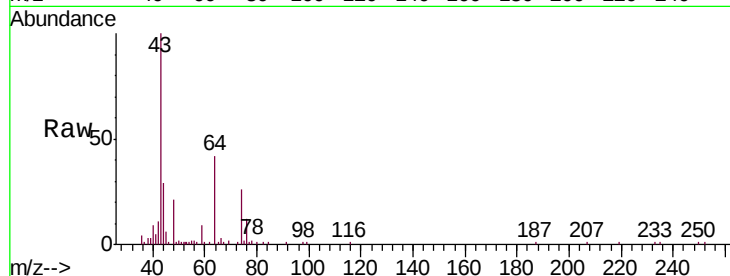
BFDC1

Tgt Ion: 43 Resp: 23662

Ion Ratio Lower Upper

43 100

74 26.6 19.8 29.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

15000

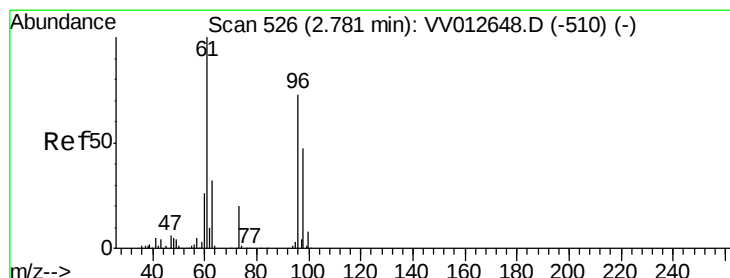
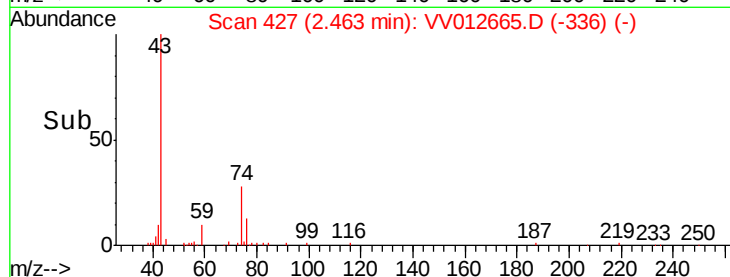
10000

5000

0

Time-->

2.40 2.45 2.50 2.55



#18

trans-1,2-Dichloroethene

Concen: 0.128 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV012665.D

Acq: 10 Sep 2019 19:09

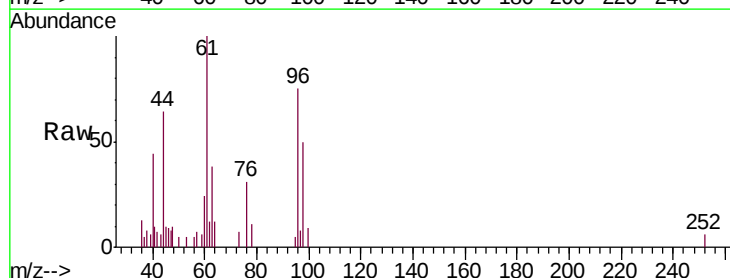
Tgt Ion: 96 Resp: 3580

Ion Ratio Lower Upper

96 100

61 133.4 93.0 172.8

98 66.2 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

2.78

3000

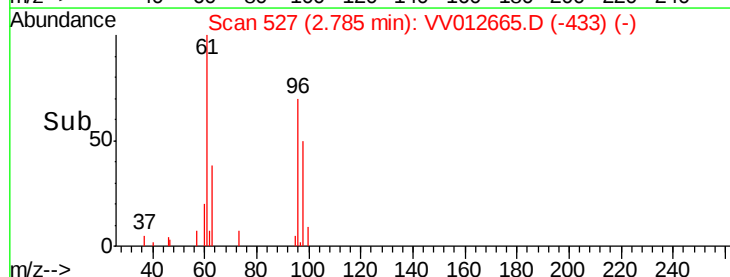
2000

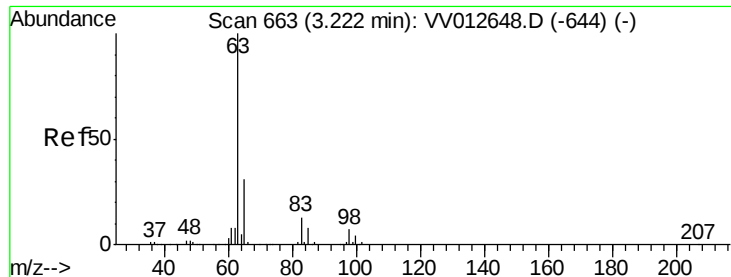
1000

0

Time-->

2.75 2.80 2.85





#19

1,1-Dichloroethane

Concen: 0.199 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012665.D

Acq: 10 Sep 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

BFDC1

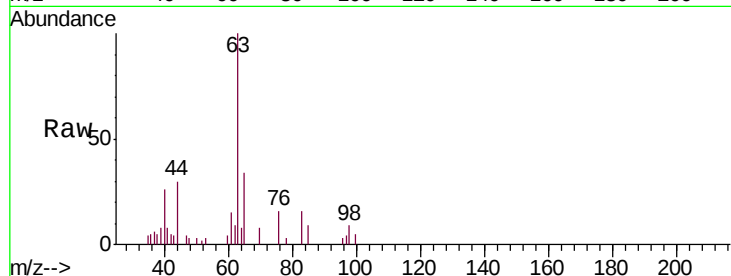
Tgt Ion: 63 Resp: 10483

Ion Ratio Lower Upper

63 100

65 34.4 22.7 42.3

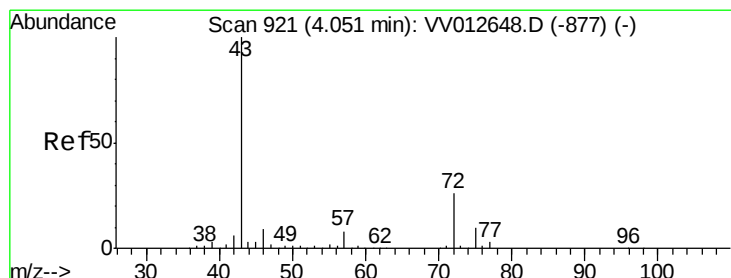
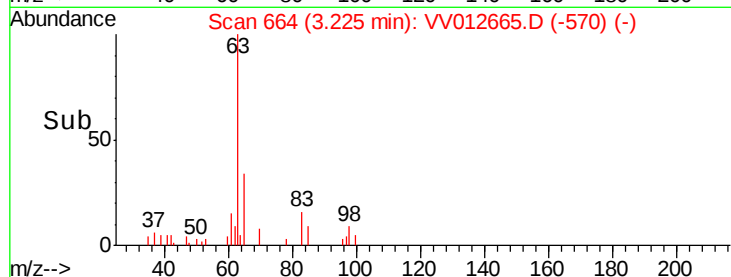
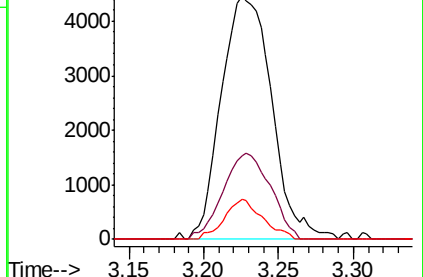
83 16.4 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VV012648.D (-644) (-)

Ion 65.10 (64.80 to 65.80): VV012648.D (-644) (-)

Ion 83.05 (82.75 to 83.75): VV012648.D (-644) (-)



#21

2-Butanone

Concen: 3.049 ug/L

RT: 4.05 min Scan# 920

Delta R.T. -0.00 min

Lab File: VV012665.D

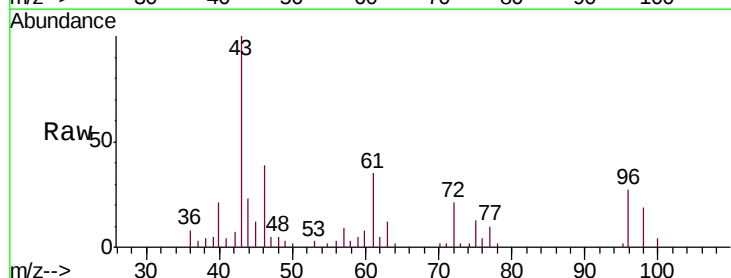
Acq: 10 Sep 2019 19:09

Tgt Ion: 43 Resp: 20058

Ion Ratio Lower Upper

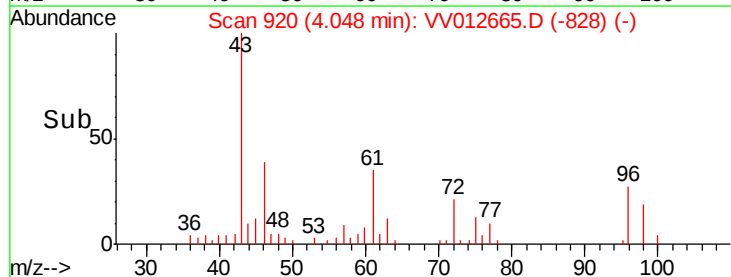
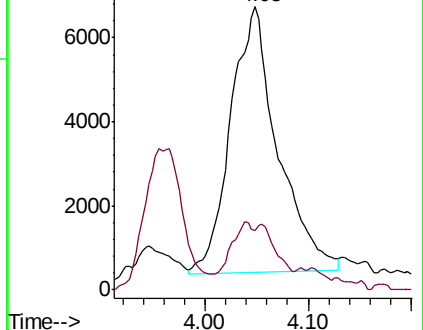
43 100

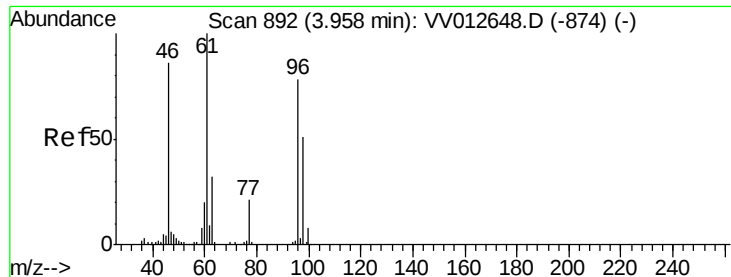
72 8.9 13.0 38.9#



Abundance Ion 43.05 (42.75 to 43.75): VV012648.D (-877) (-)

Ion 72.10 (71.80 to 72.80): VV012648.D (-877) (-)



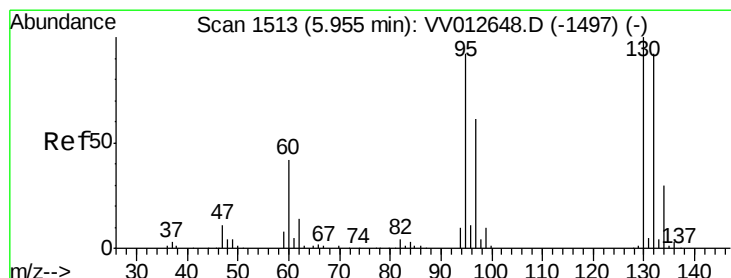
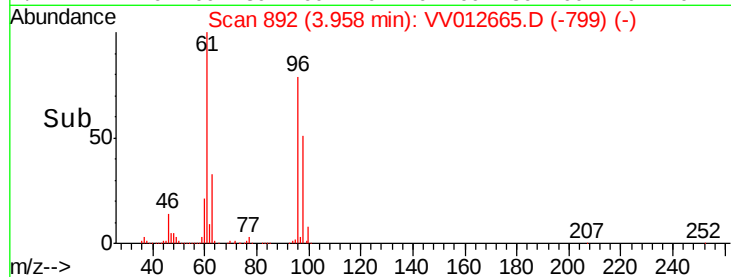
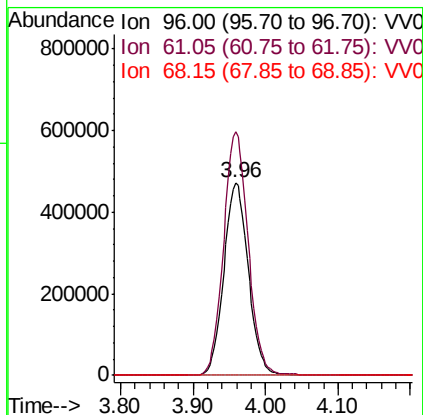
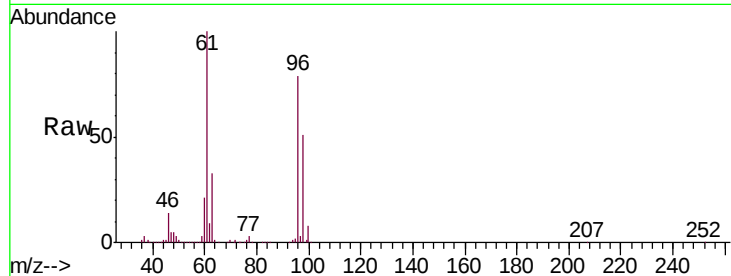


#22

cis-1,2-Dichloroethene
Concen: 36.446 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012665.D
Acq: 10 Sep 2019 19:09

Instrument :
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ClientSampleId :
BFDC1

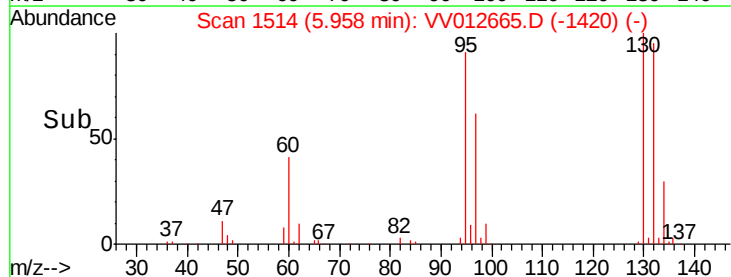
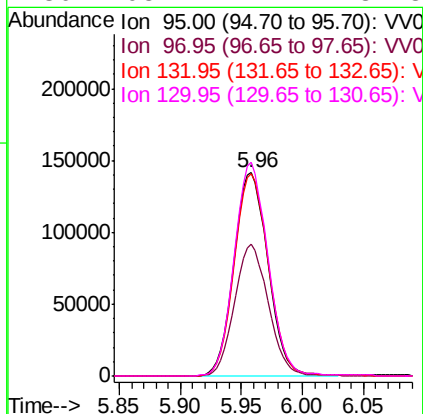
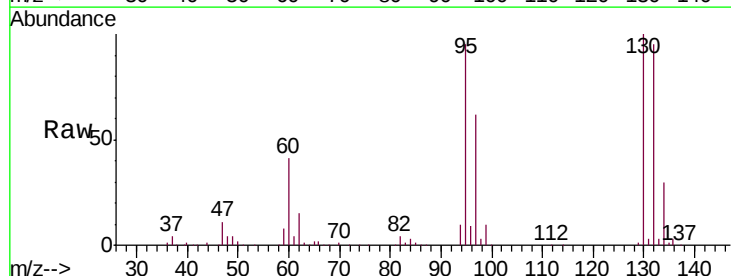
Tgt Ion: 96 Resp: 1108518
Ion Ratio Lower Upper
96 100
61 126.1 89.7 166.5
68 0.0 0.0 0.0

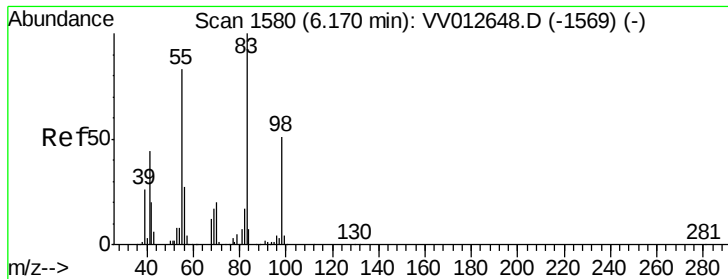


#34

Trichloroethene
Concen: 8.543 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012665.D
Acq: 10 Sep 2019 19:09

Tgt Ion: 95 Resp: 274424
Ion Ratio Lower Upper
95 100
97 64.8 45.4 84.2
132 99.7 70.2 130.4
130 105.2 74.2 137.8

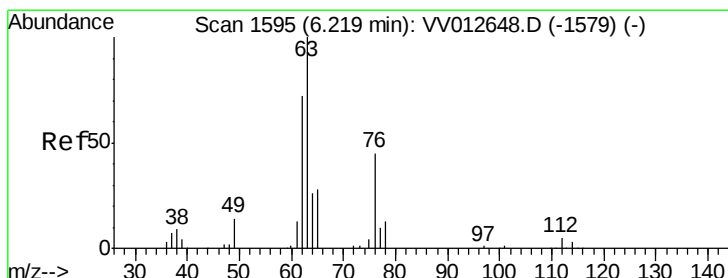
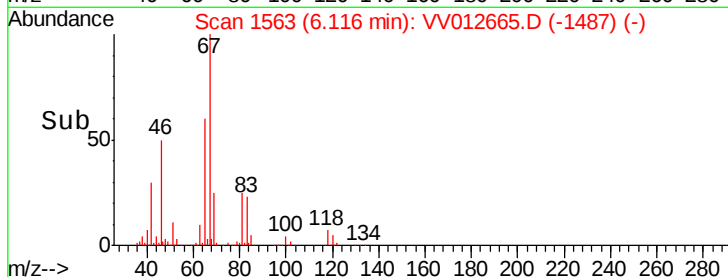
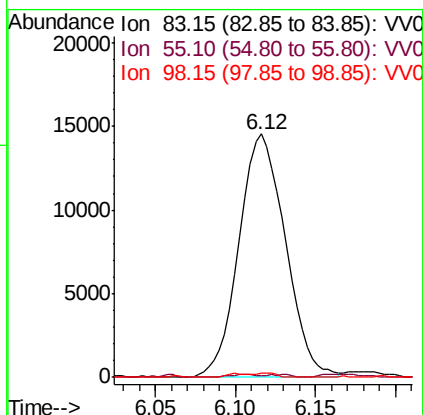
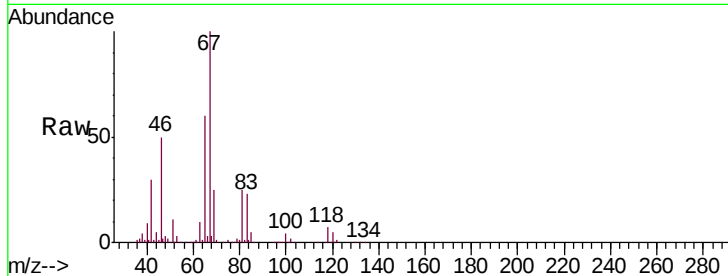




#35
Methylcyclohexane
Concen: 0.637 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV012665.D
Acq: 10 Sep 2019 19:09

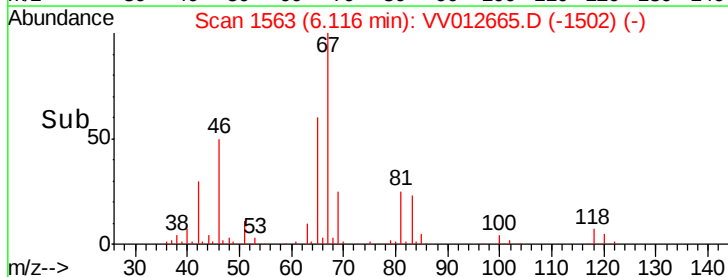
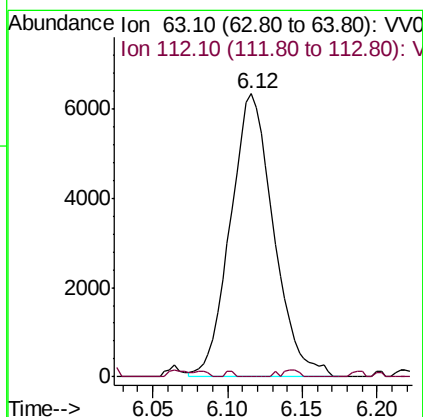
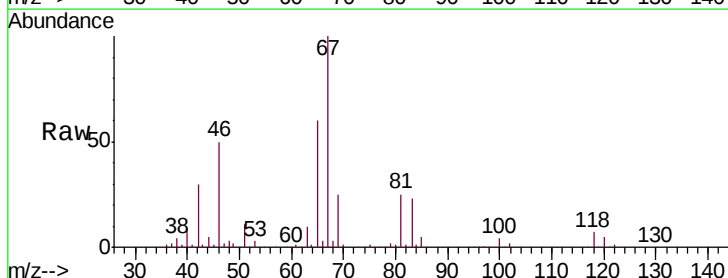
Instrument :
MSVOA_V
ClientSampleId :
BFDC1

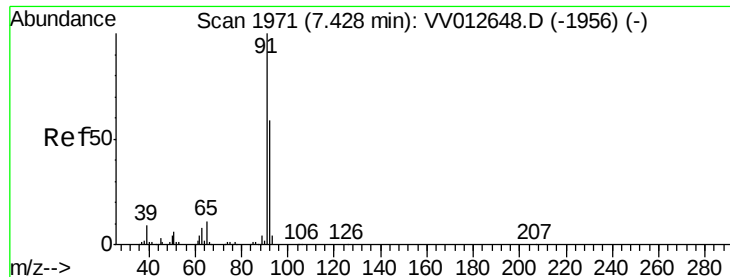
Tgt Ion: 83 Resp: 28904
Ion Ratio Lower Upper
83 100
55 0.7 63.0 94.4#
98 0.0 39.8 59.8#



#37
1,2-Dichloropropane
Concen: 0.441 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012665.D
Acq: 10 Sep 2019 19:09

Tgt Ion: 63 Resp: 12761
Ion Ratio Lower Upper
63 100
112 0.4 3.8 5.6#





#42

Toluene

Concen: 0.074 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV012665.D

Acq: 10 Sep 2019 19:09

Instrument :

MSVOA_V

ClientSampled :

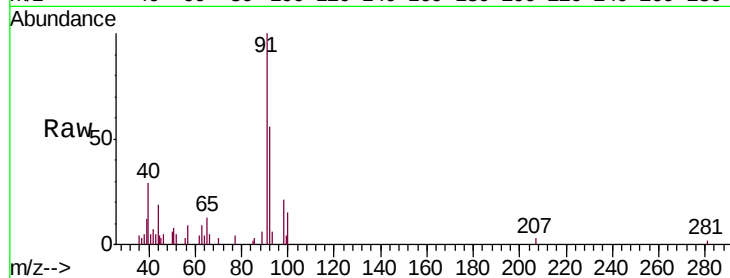
BFDC1

Tgt Ion: 91 Resp: 8954

Ion Ratio Lower Upper

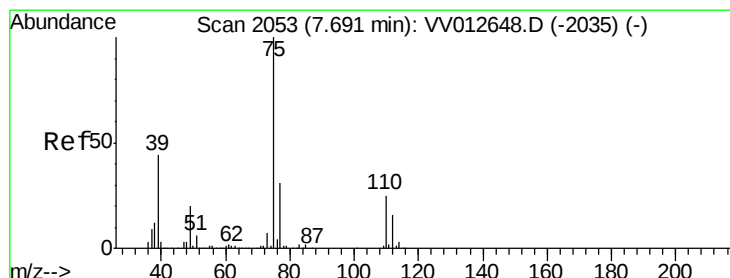
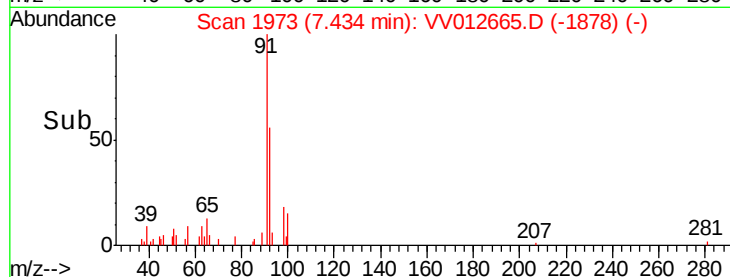
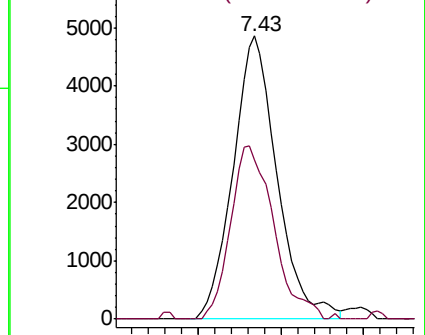
91 100

92 56.3 41.3 76.7



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: 0.054 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012665.D

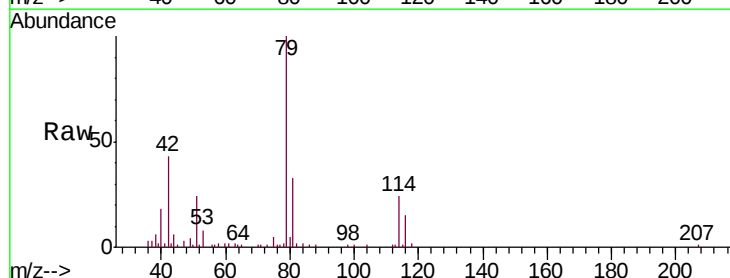
Acq: 10 Sep 2019 19:09

Tgt Ion: 75 Resp: 1536

Ion Ratio Lower Upper

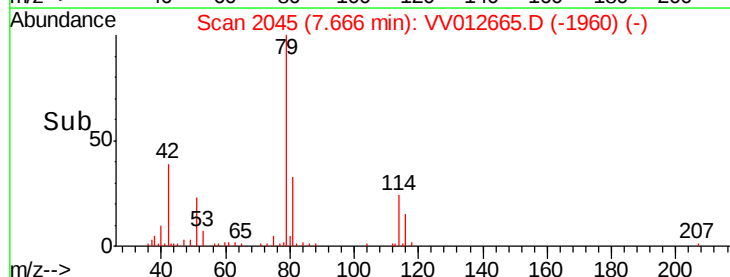
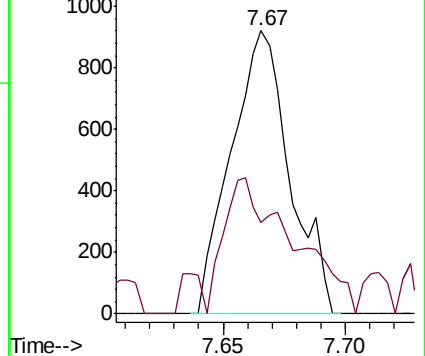
75 100

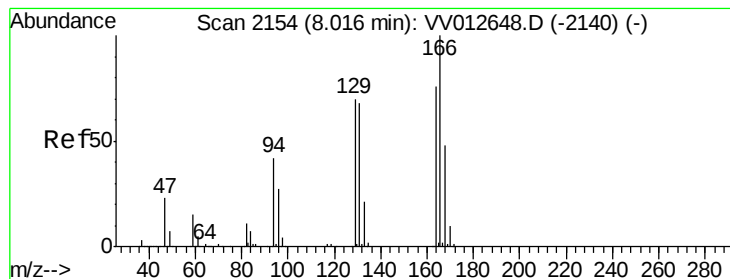
77 32.4 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#47

Tetrachloroethene

Concen: 64.464 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012665.D

Acq: 10 Sep 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

BFDC1

Tgt Ion:164 Resp: 1625482

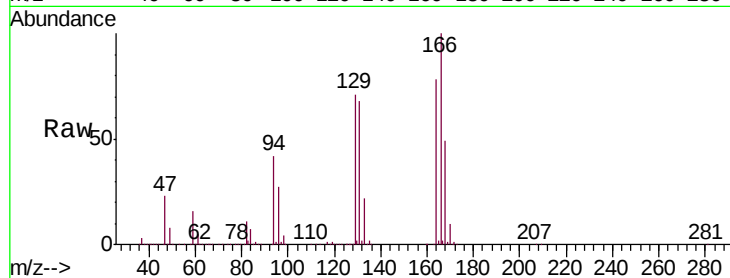
Ion Ratio Lower Upper

164 100

129 91.0 61.9 114.9

131 87.1 59.7 110.9

166 127.5 90.4 167.8



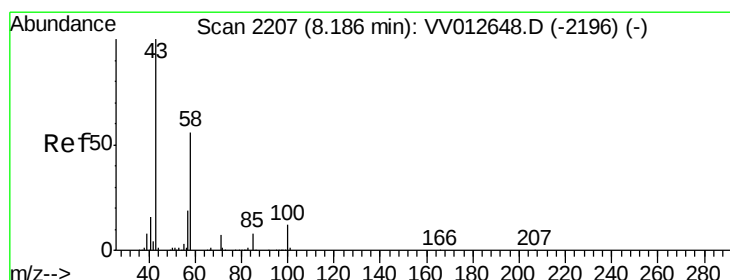
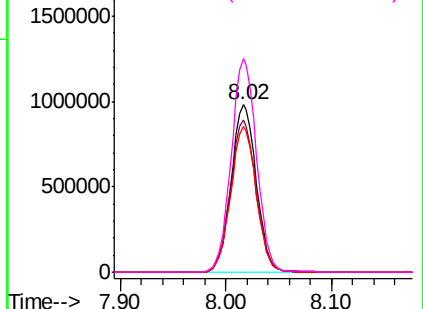
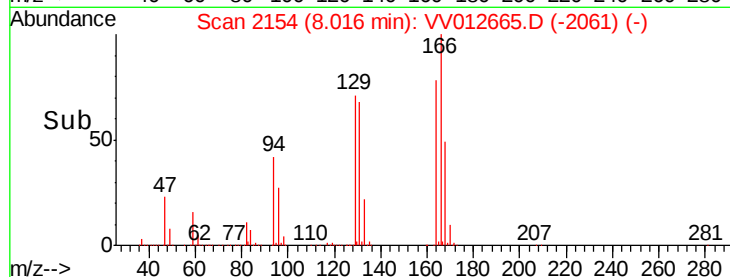
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 4.181 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV012665.D

Acq: 10 Sep 2019 19:09

Tgt Ion: 43 Resp: 48020

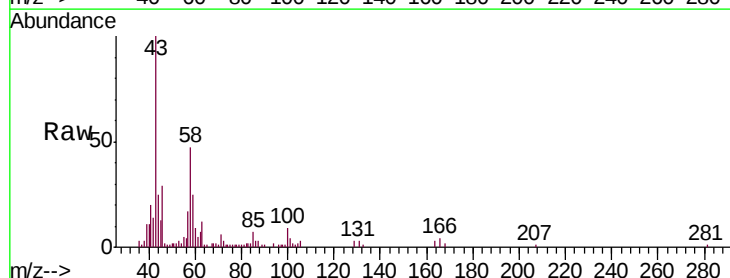
Ion Ratio Lower Upper

43 100

58 42.2 44.8 67.2#

57 13.3 14.9 22.3#

100 7.8 9.8 14.8#



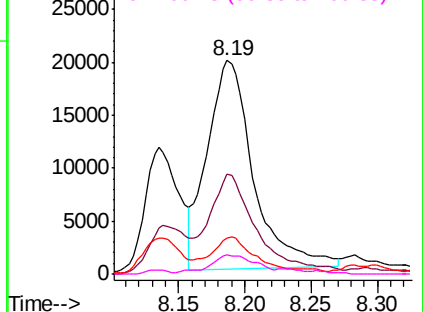
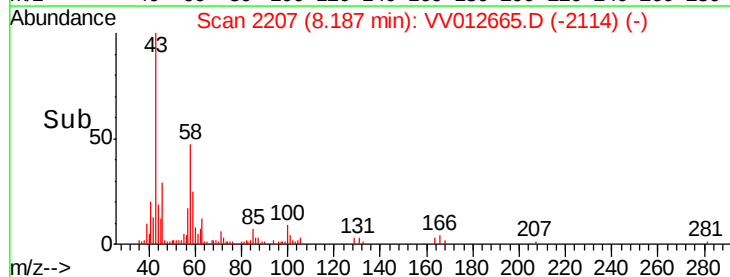
Abundance

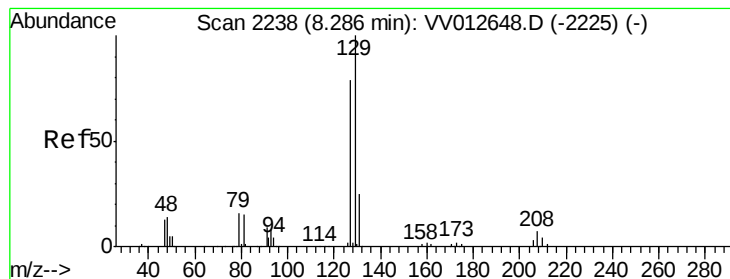
Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 59.813 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012665.D

Acq: 10 Sep 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

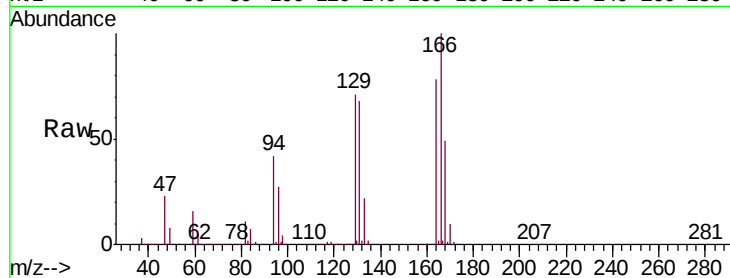
BFDC1

Tgt Ion:129 Resp: 1434680

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

