

Data File : VV011266.D
Acq On : 07 Jun 2019 02:27
Operator : SY/MD
Sample : K3226-11
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCT6

Quant Time: Jun 07 02:55:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 07 02:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	162948	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	150449	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62254	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54499	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.58	69	43470	4.24	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.12	63	87572	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	3.96	46	149706	53.86	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.72%
24) Chloroform-d	4.40	84	96646	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.08	65	55643	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.10	84	204390	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.12	67	63790	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.36	98	178735	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	7.67	79	20151	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.13	63	113898	51.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43941	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	58092	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1257	0.081 ug/L	97
5) Vinyl chloride	1.32	62	8922	0.595 ug/L	89
8) Chloroethane	1.32	64	3998	0.417 ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	886	0.084 ug/L #	28
12) 1,1-Dichloroethene	2.14	96	3336	0.325 ug/L #	1
13) Acetone	2.22	43	4055	2.176 ug/L	87
17) Methyl tert-butyl Ether	2.81	73	5899	0.215 ug/L	96
18) trans-1,2-Dichloroethene	2.78	96	1581	0.138 ug/L	84
22) cis-1,2-Dichloroethene	3.96	96	27778	2.182 ug/L	97
25) Chloroform	4.42	83	2363	0.101 ug/L	91
34) Trichloroethene	5.96	95	370946	29.994 ug/L	99
35) Methylcyclohexane	6.12	83	15560	0.761 ug/L #	15
37) 1,2-Dichloropropane	6.12	63	7710	0.647 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	1760	0.101 ug/L #	68
44) trans-1,3-Dichloropropene	7.67	75	1098	0.083 ug/L	98
45) 1,1,2-Trichloroethane	8.02	97	1035	0.136 ug/L #	20
47) Tetrachloroethene	8.02	164	88489	9.900 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

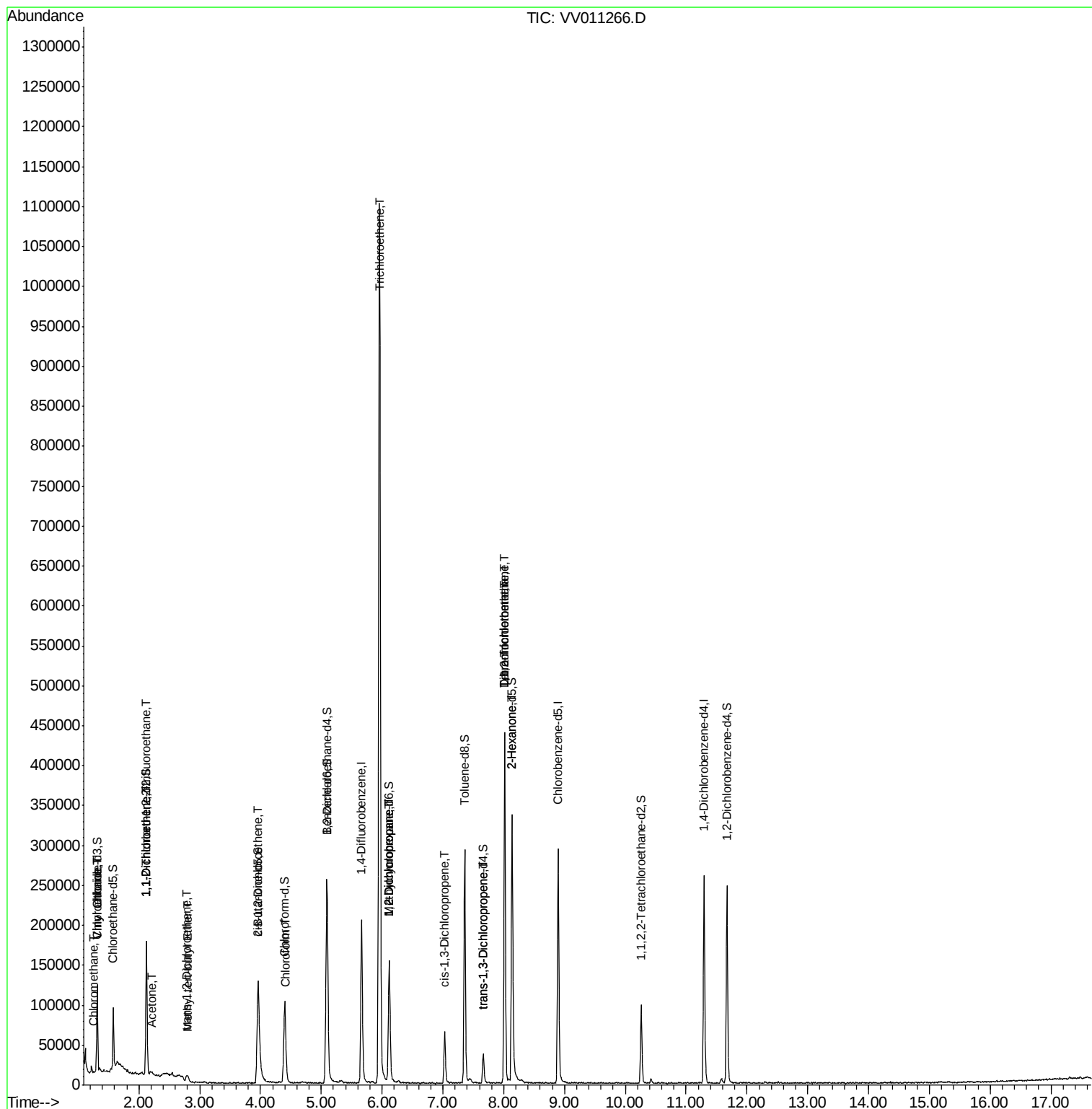
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.13	43	15202	2.873	ug/L #	76
49) Dibromochloromethane	8.02	129	78445	9.054	ug/L #	11

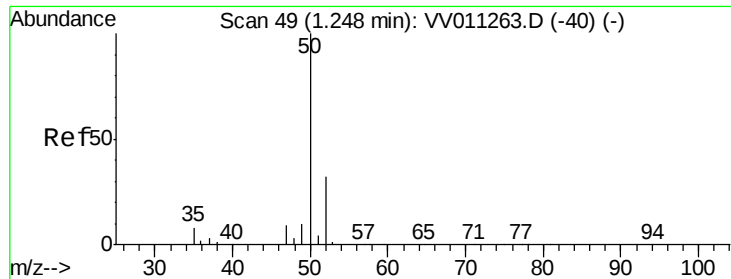
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.081 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011266.D

Acq: 07 Jun 2019 02:27

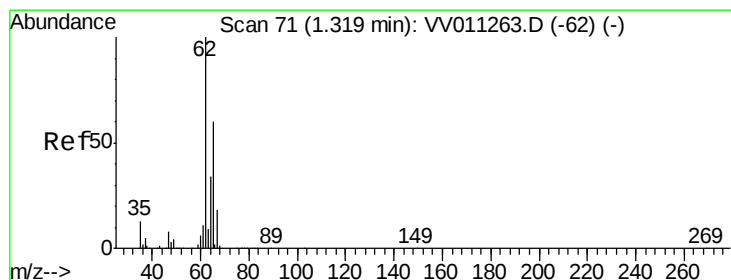
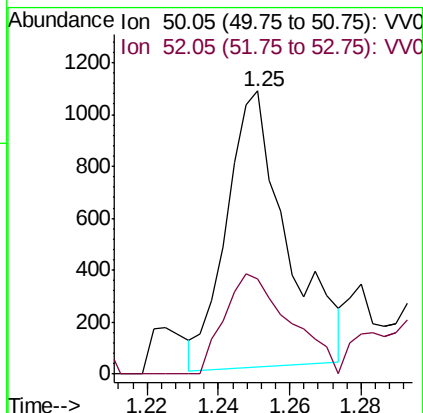
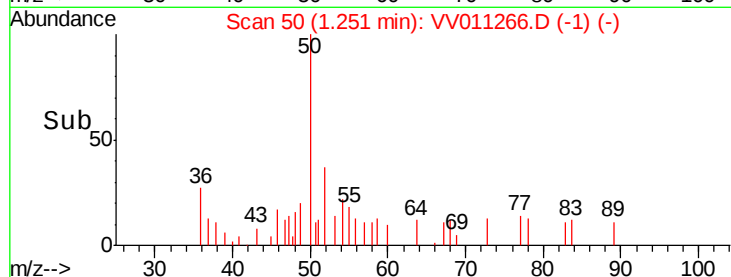
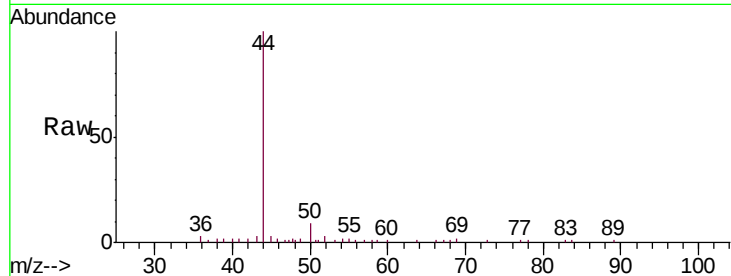
Instrument :
MSVOA_V
ClientSampled :
BFCT6

Tgt Ion: 50 Resp: 1257

Ion Ratio Lower Upper

50 100

52 33.8 22.3 41.5



#5

Vinyl chloride

Concen: 0.595 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011266.D

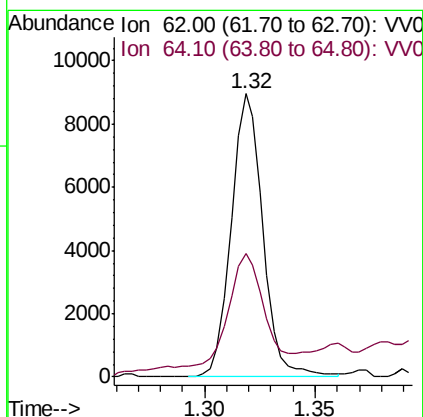
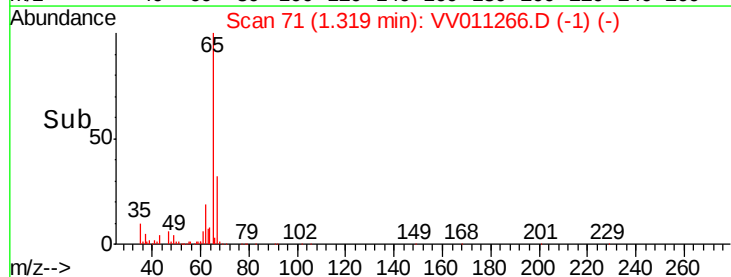
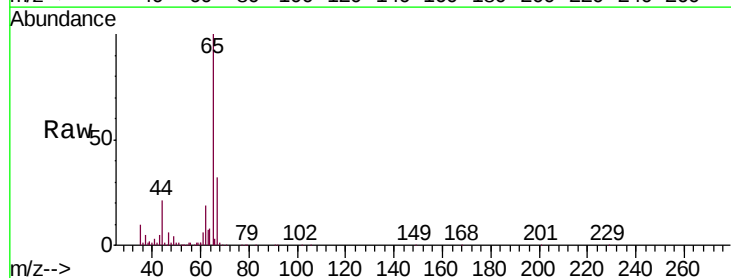
Acq: 07 Jun 2019 02:27

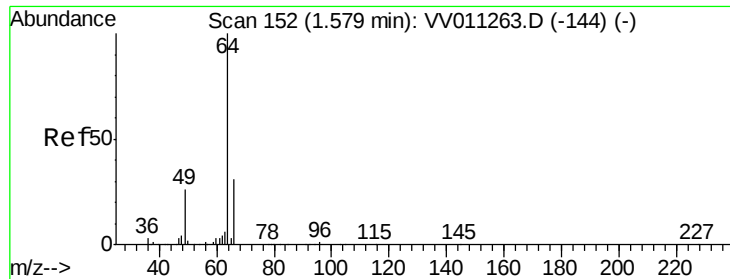
Tgt Ion: 62 Resp: 8922

Ion Ratio Lower Upper

62 100

64 43.4 25.9 48.1





#8

Chloroethane

Concen: 0.417 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.26 min

Lab File: VV011266.D

Acq: 07 Jun 2019 02:27

Instrument :

MSVOA_V

ClientSampleId :

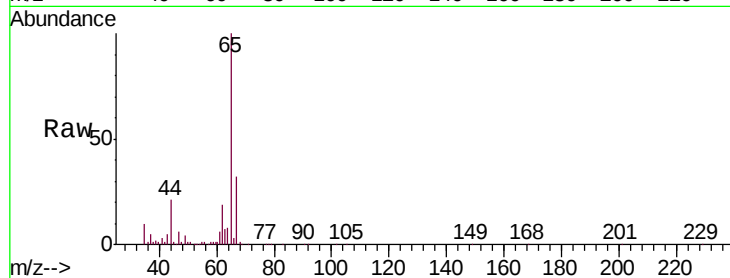
BFCT6

Tgt Ion: 64 Resp: 3998

Ion Ratio Lower Upper

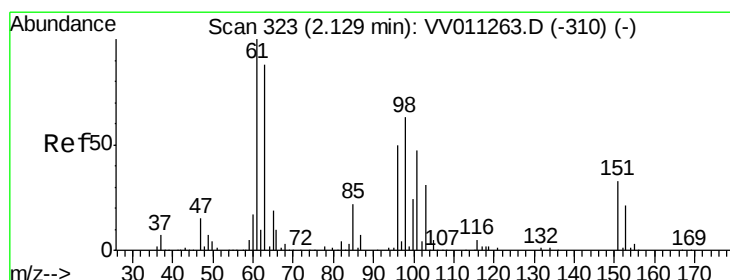
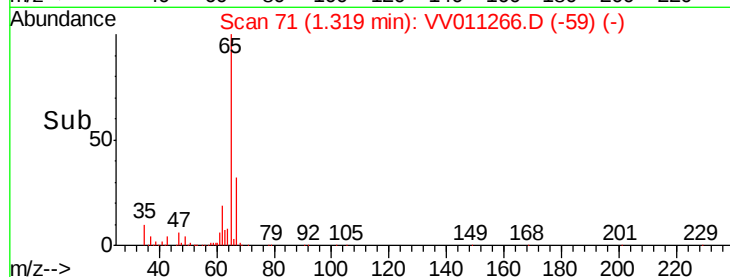
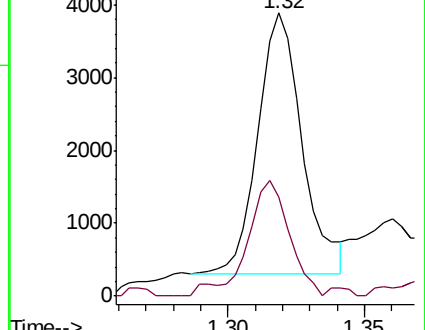
64 100

66 34.8 19.4 36.0



Abundance Ion 64.10 (63.80 to 64.80): VV011266.D (-59) (-)

Ion 66.05 (65.75 to 66.75): VV011266.D (-59) (-)



#10

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

Concen: 0.084 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV011266.D

Acq: 07 Jun 2019 02:27

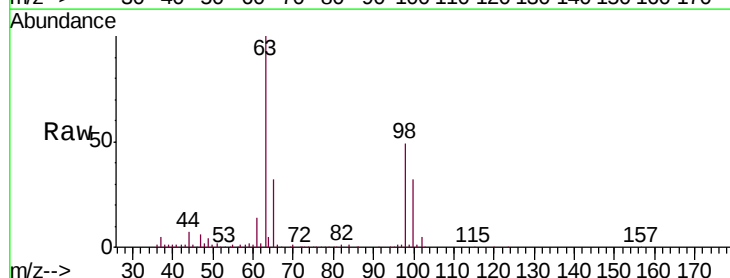
Tgt Ion: 101 Resp: 886

Ion Ratio Lower Upper

101 100

85 5.1 35.5 53.3#

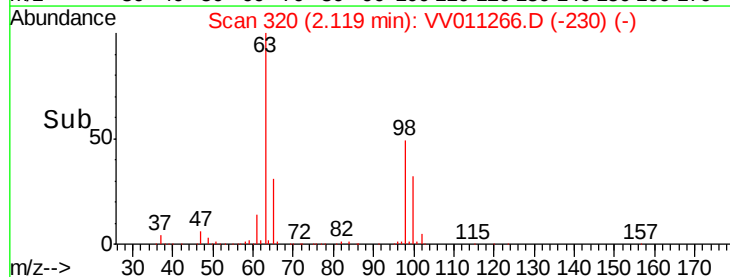
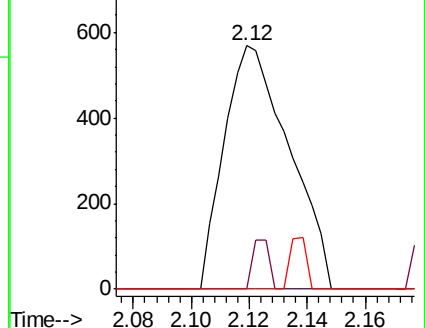
151 5.2 56.9 85.3#

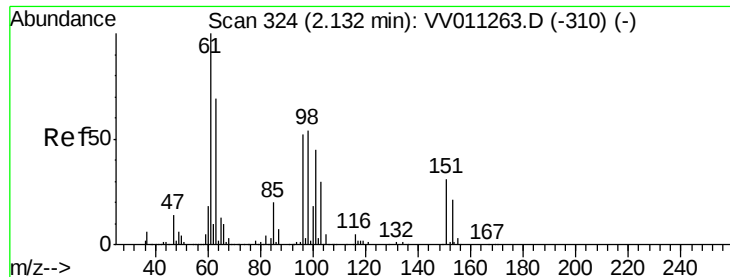


Abundance Ion 101.00 (100.70 to 101.70): VV011266.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV011266.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV011266.D (-230) (-)





#12

1,1-Dichloroethene

Concen: 0.325 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV011266.D

Acq: 07 Jun 2019 02:27

Instrument :

MSVOA_V

ClientSampleId :

BFCT6

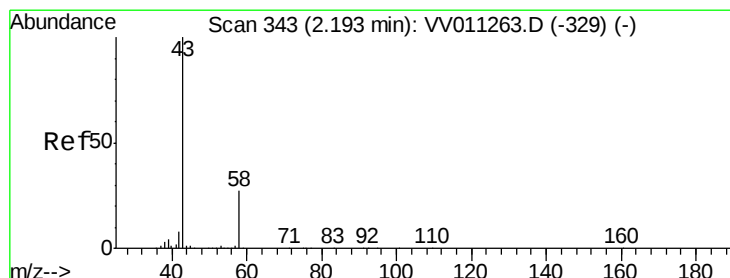
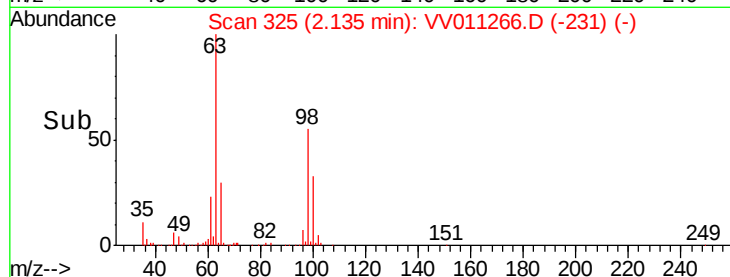
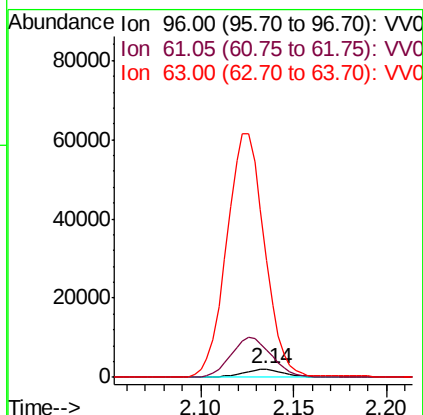
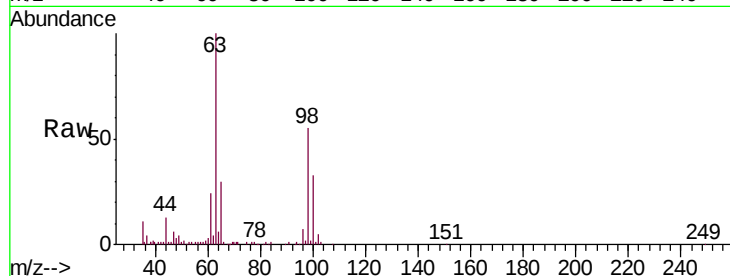
Tgt Ion: 96 Resp: 3336

Ion Ratio Lower Upper

96 100

61 333.3 139.8 259.6#

63 1404.5 94.3 175.1#



#13

Acetone

Concen: 2.176 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.03 min

Lab File: VV011266.D

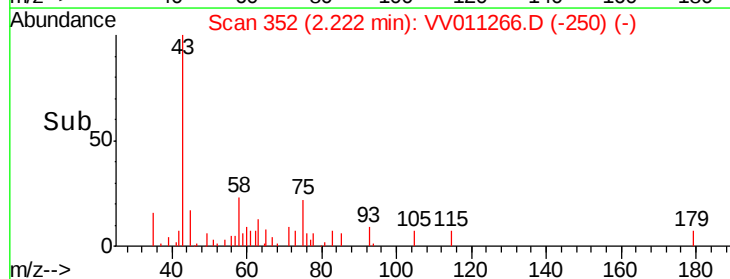
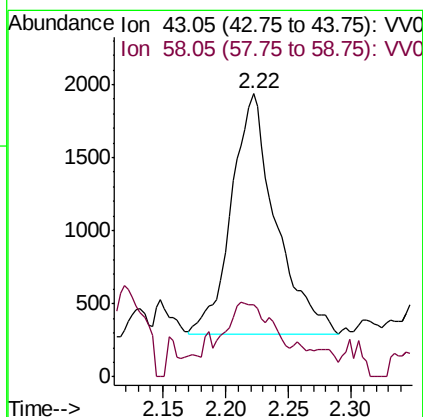
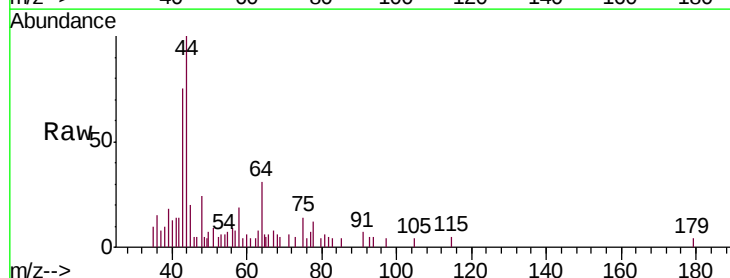
Acq: 07 Jun 2019 02:27

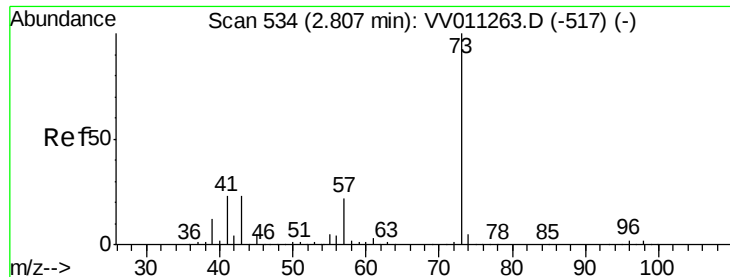
Tgt Ion: 43 Resp: 4055

Ion Ratio Lower Upper

43 100

58 20.7 0.0 55.2

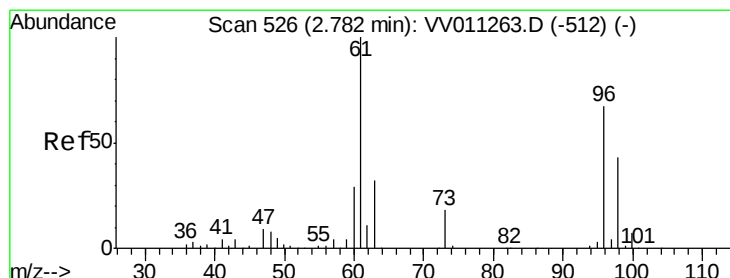
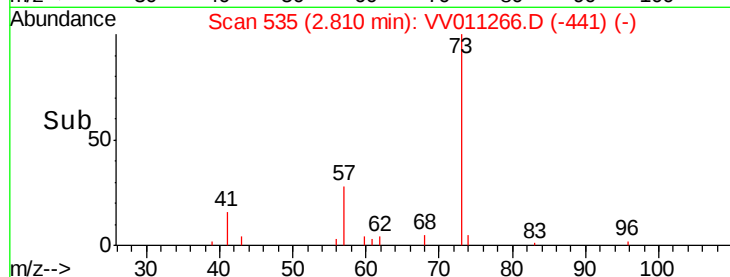
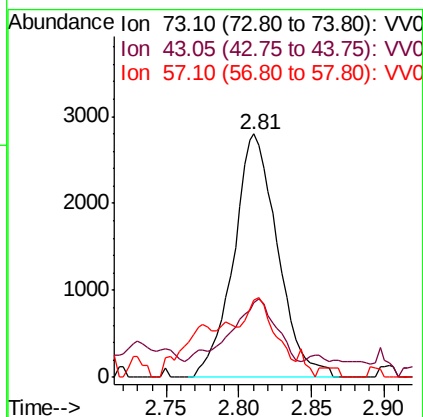
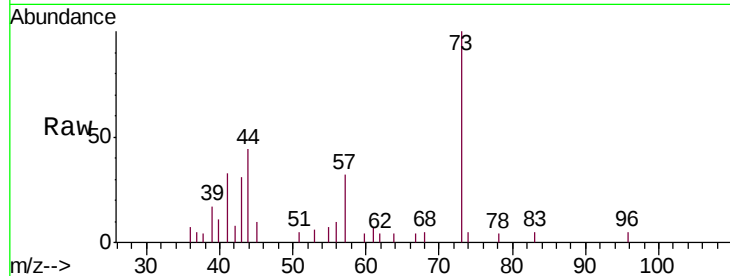




#17
Methyl tert-butyl Ether
Concen: 0.215 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV011266.D
Acq: 07 Jun 2019 02:27

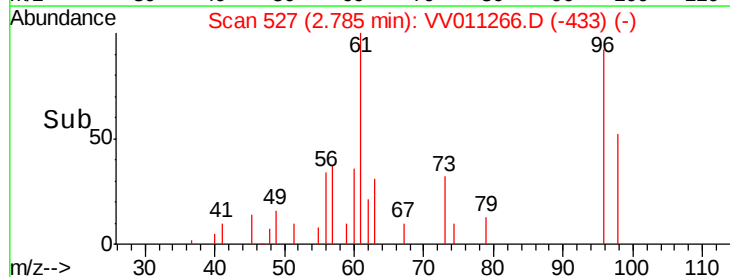
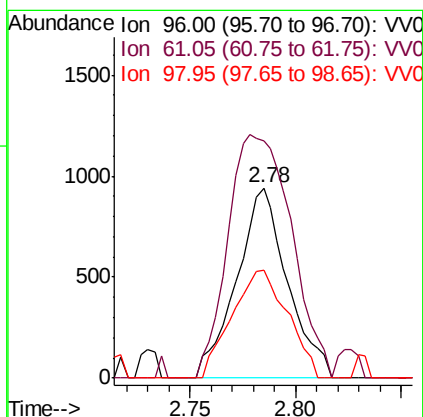
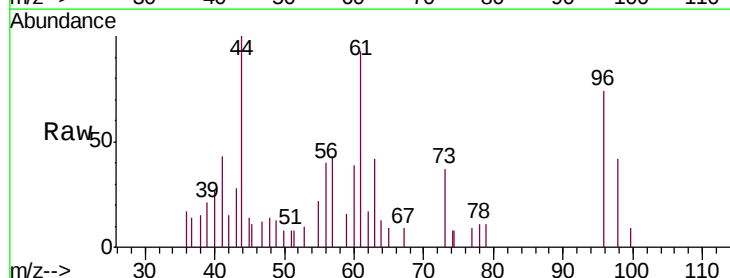
Instrument :
MSVOA_V
ClientSampled :
BFCT6

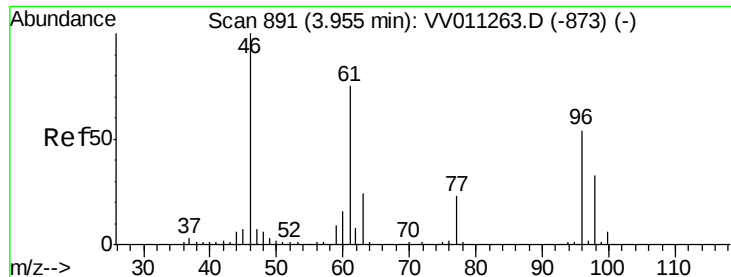
Tgt Ion: 73 Resp: 5899
Ion Ratio Lower Upper
73 100
43 25.7 18.7 28.1
57 21.0 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 0.138 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV011266.D
Acq: 07 Jun 2019 02:27

Tgt Ion: 96 Resp: 1581
Ion Ratio Lower Upper
96 100
61 124.7 104.0 193.2
98 56.7 45.7 84.9



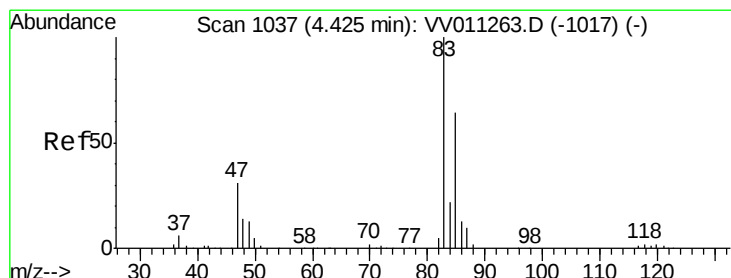
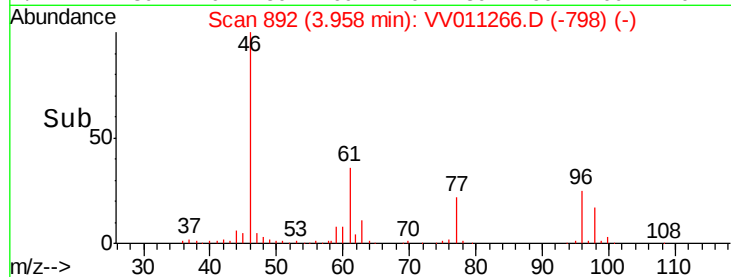
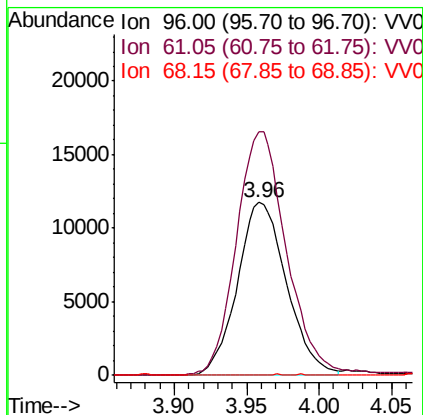
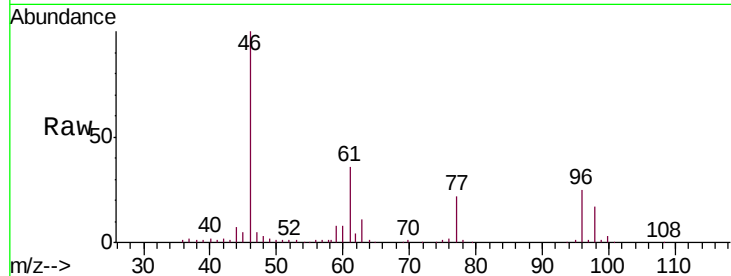


#22

cis-1,2-Dichloroethene
 Concen: 2.182 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV011266.D
 Acq: 07 Jun 2019 02:27

Instrument :
 MSVOA_V
 ClientSampled :
 BFCT6

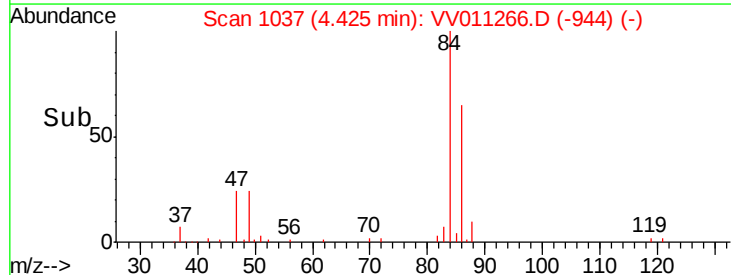
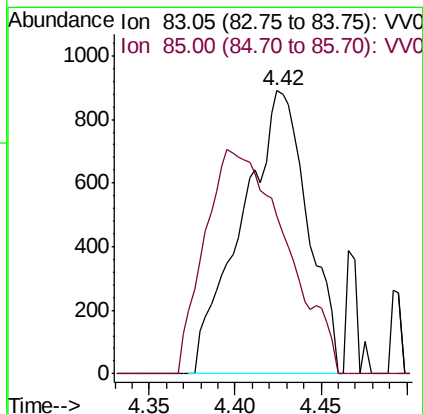
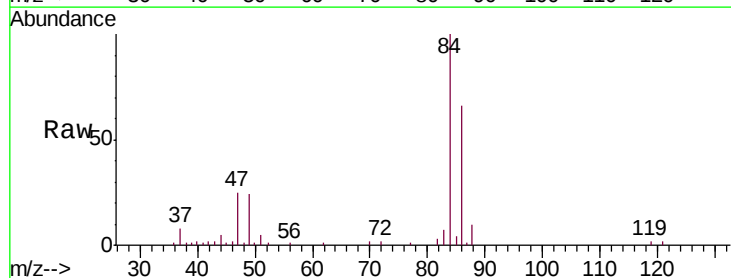
Tgt Ion: 96 Resp: 27778
 Ion Ratio Lower Upper
 96 100
 61 140.8 100.8 187.2
 68 0.0 0.0 0.0

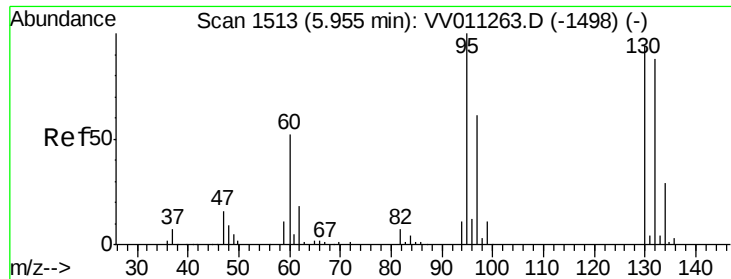


#25

Chloroform
 Concen: 0.101 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV011266.D
 Acq: 07 Jun 2019 02:27

Tgt Ion: 83 Resp: 2363
 Ion Ratio Lower Upper
 83 100
 85 56.0 44.1 81.9

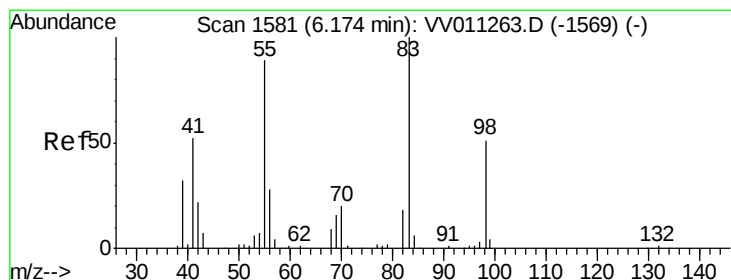
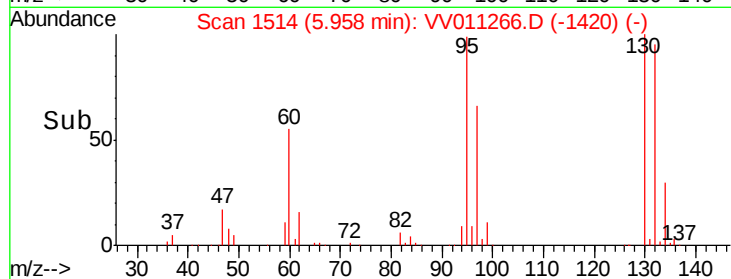
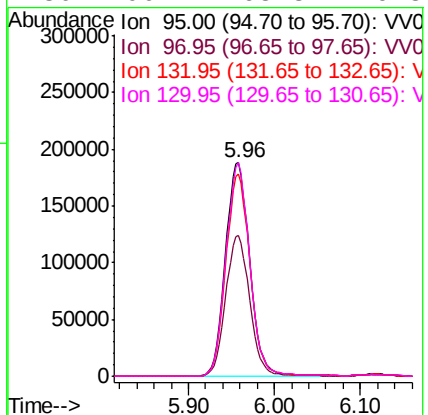
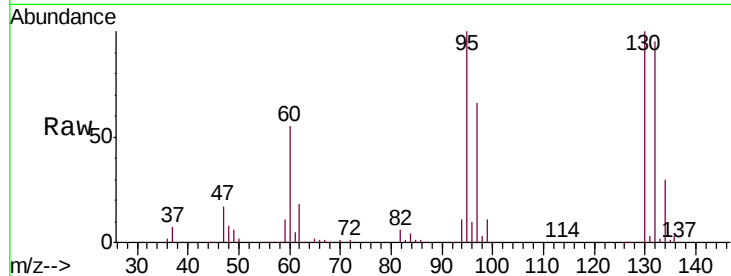




#34
 Trichloroethene
 Concen: 29.994 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV011266.D
 Acq: 07 Jun 2019 02:27

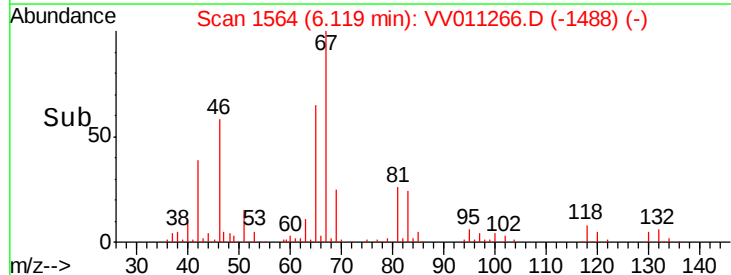
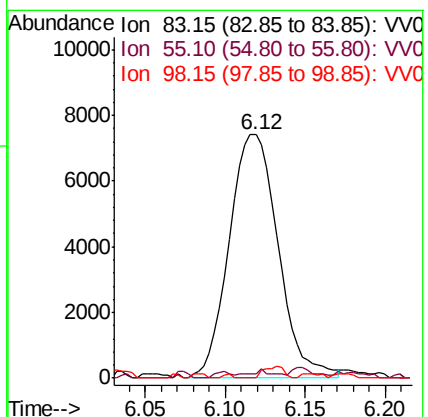
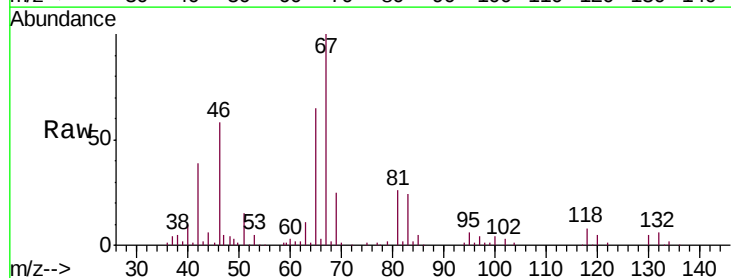
Instrument :
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 ClientSampleId :
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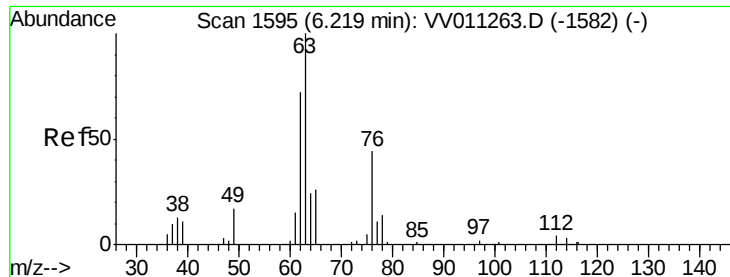
Tgt Ion: 95 Resp: 370946
 Ion Ratio Lower Upper
 95 100
 97 66.2 45.8 85.2
 132 94.9 66.4 123.2
 130 100.2 68.3 126.8



#35
 Methylcyclohexane
 Concen: 0.761 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.05 min
 Lab File: VV011266.D
 Acq: 07 Jun 2019 02:27

Tgt Ion: 83 Resp: 15560
 Ion Ratio Lower Upper
 83 100
 55 0.8 67.0 100.6#
 98 0.0 40.0 60.0#





#37

1,2-Dichloropropane

Concen: 0.647 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011266.D

Acq: 07 Jun 2019 02:27

Instrument :

MSVOA_V

ClientSampleId :

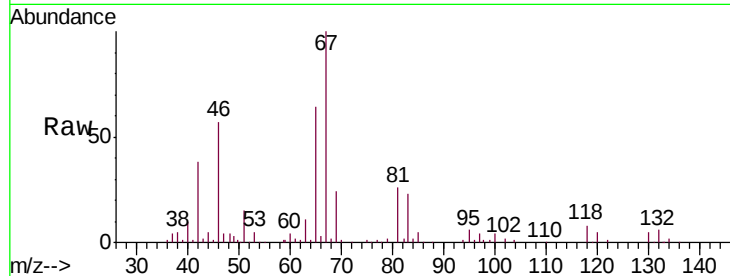
BFCT6

Tgt Ion: 63 Resp: 7710

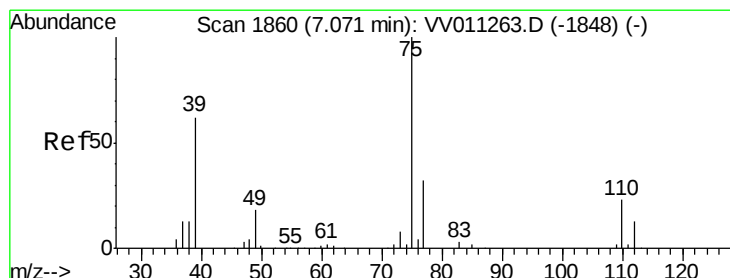
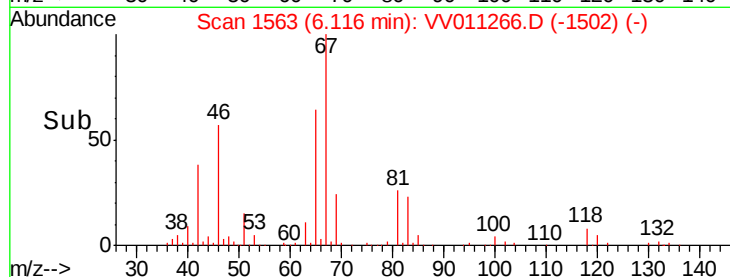
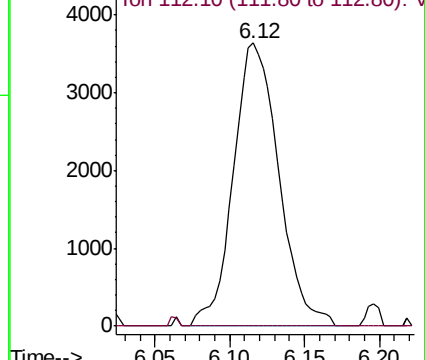
Ion Ratio Lower Upper

63 100

112 0.6 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV011263.D (-1582) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV011266.D

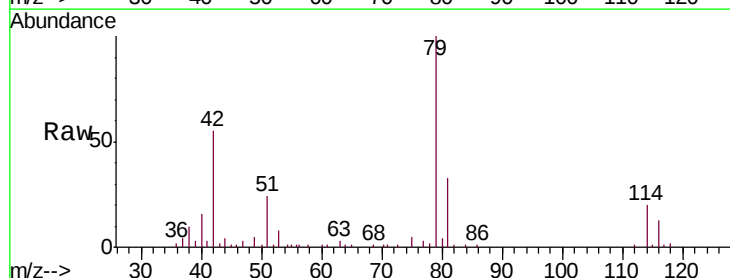
Acq: 07 Jun 2019 02:27

Tgt Ion: 75 Resp: 1760

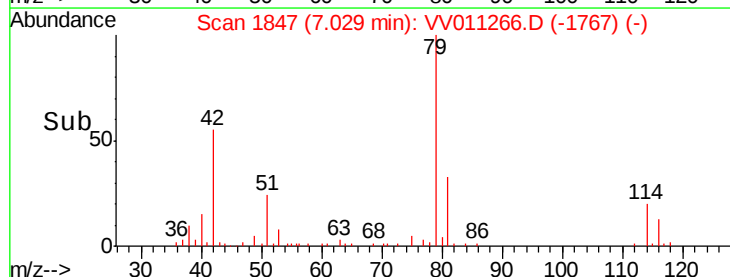
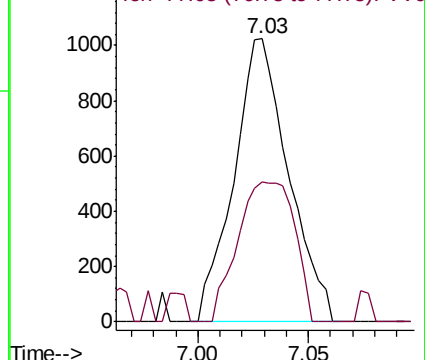
Ion Ratio Lower Upper

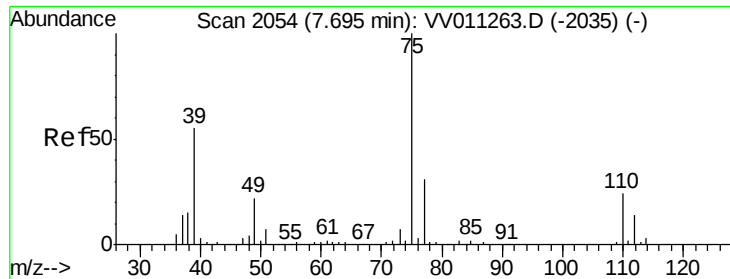
75 100

77 49.3 22.2 41.2#



Abundance Ion 75.05 (74.75 to 75.75): VV011263.D (-1848) (-)

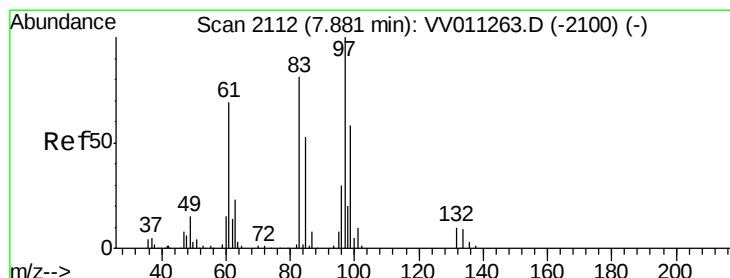
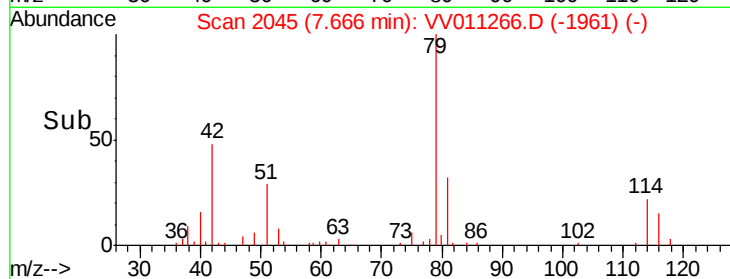
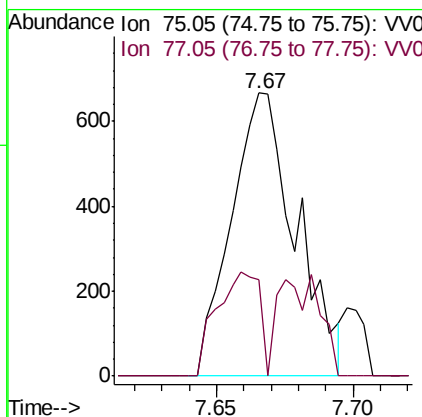
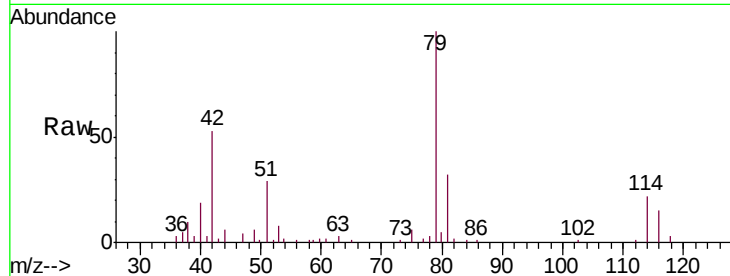




#44
trans-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV011266.D
Acq: 07 Jun 2019 02:27

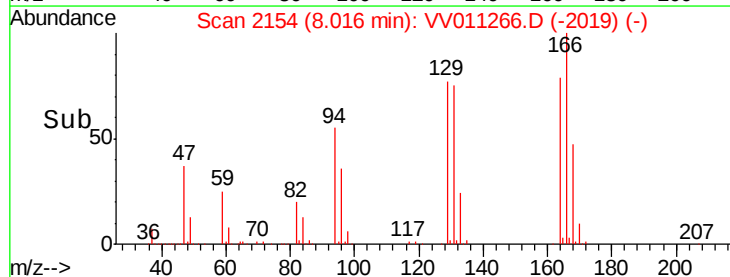
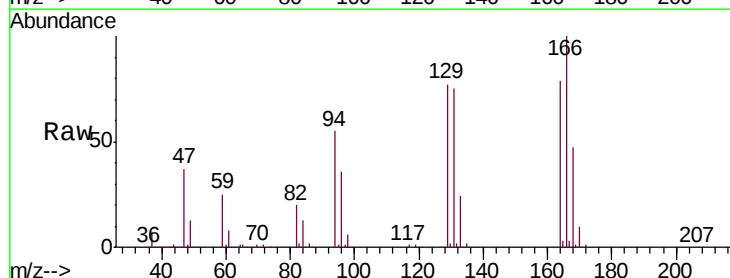
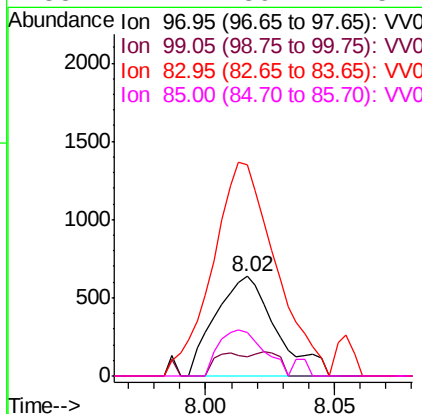
Instrument :
MSVOA_V
ClientSampleId :
BFCT6

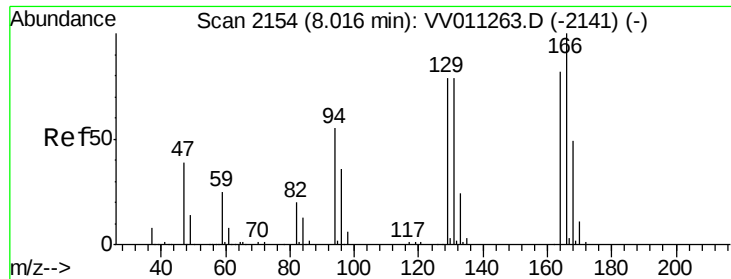
Tgt Ion: 75 Resp: 1098
Ion Ratio Lower Upper
75 100
77 34.2 23.1 42.9



#45
1,1,2-Trichloroethane
Concen: 0.136 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.13 min
Lab File: VV011266.D
Acq: 07 Jun 2019 02:27

Tgt Ion: 97 Resp: 1035
Ion Ratio Lower Upper
97 100
99 19.2 42.1 78.3#
83 212.6 59.4 110.2#
85 44.2 39.7 73.7





#47

Tetrachloroethene

Concen: 9.900 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011266.D

Acq: 07 Jun 2019 02:27

Instrument :

MSVOA_V

ClientSampleId :

BFCT6

Tgt Ion:164 Resp: 88489

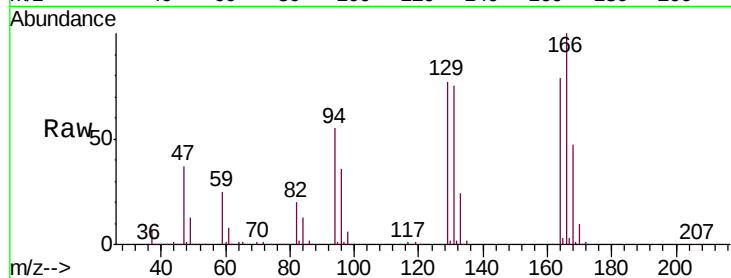
Ion Ratio Lower Upper

164 100

129 97.4 69.9 129.9

131 94.8 66.8 124.2

166 127.0 90.2 167.6

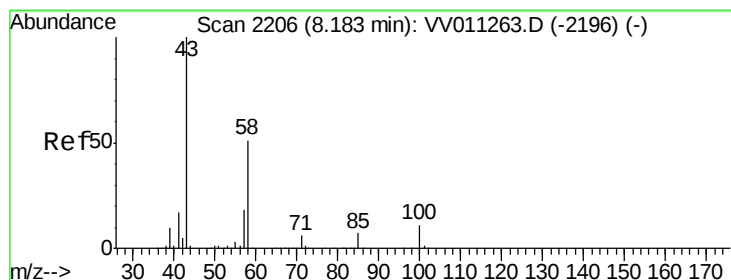
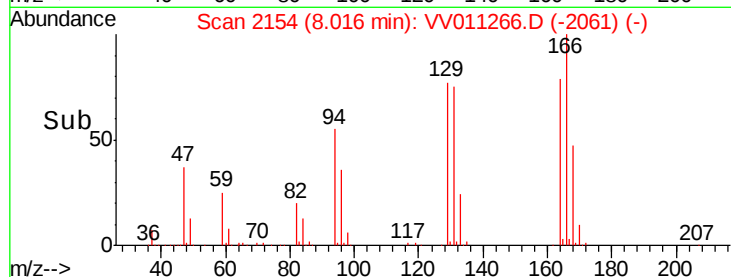
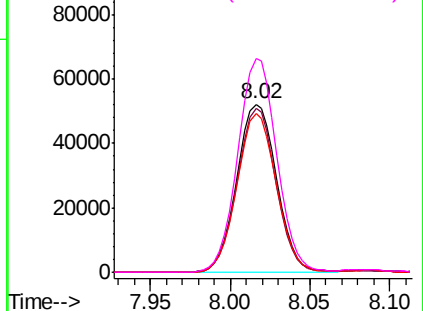


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.873 ug/L

RT: 8.13 min Scan# 2191

Delta R.T. -0.05 min

Lab File: VV011266.D

Acq: 07 Jun 2019 02:27

Tgt Ion: 43 Resp: 15202

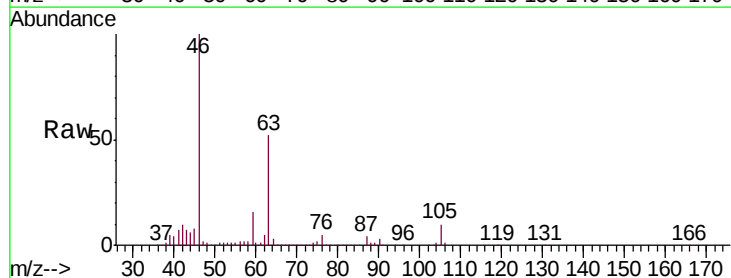
Ion Ratio Lower Upper

43 100

58 32.7 41.4 62.0#

57 24.7 15.0 22.4#

100 0.0 9.0 13.4#

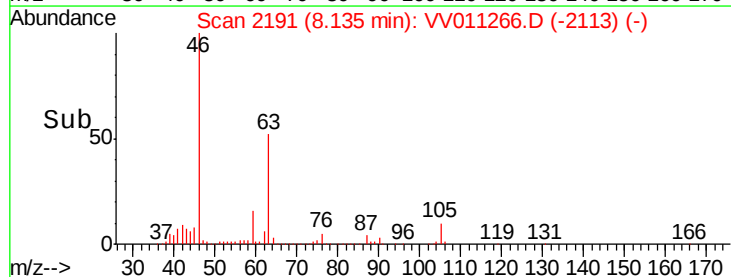
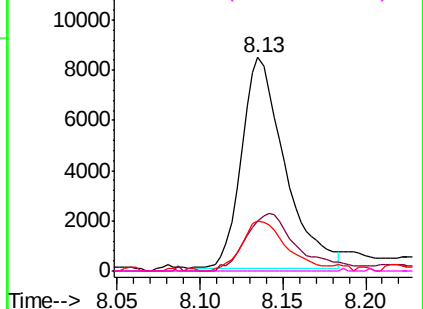


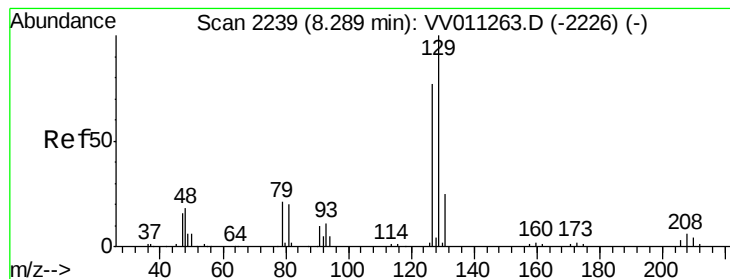
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 9.054 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV011266.D

Acq: 07 Jun 2019 02:27

Instrument :

MSVOA_V

ClientSampleId :

BFCT6

Tgt Ion:129 Resp: 78445

Ion Ratio Lower Upper

129 100

127 0.3 53.7 99.7#

