

Data File : VV011676.D
Acq On : 21 Jun 2019 11:28
Operator : SY/MD
Sample : K3381-17 400X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCM7

Quant Time: Jun 22 04:13:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 22 04:10:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	176139	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	163197	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	67627	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42737	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.58	69	32915	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.00%
11) 1,1-Dichloroethene-d2	2.12	63	75831	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	3.96	46	128494	41.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.44%
24) Chloroform-d	4.40	84	77031	3.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.20%
26) 1,2-Dichloroethane-d4	5.08	65	53261	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
32) Benzene-d6	5.09	84	182193	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
36) 1,2-Dichloropropane-d6	6.12	67	57390	4.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.80%
41) Toluene-d8	7.36	98	158096	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
43) trans-1,3-Dichloropropene-	7.66	79	16918	3.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.20%
46) 2-Hexanone-d5	8.14	63	92296	40.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38058	3.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	51023	4.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.00%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	4160	0.255 ug/L #	1
6) Bromomethane	1.53	94	1144	0.161 ug/L	92
8) Chloroethane	1.32	64	3022	0.355 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2277	0.191 ug/L	90
12) 1,1-Dichloroethene	2.13	96	17137	1.572 ug/L #	64
16) Methylene chloride	2.53	84	2685	0.221 ug/L #	87
19) 1,1-Dichloroethane	3.22	63	52065	2.044 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	64640	4.590 ug/L	100
25) Chloroform	4.42	83	15219	0.544 ug/L	92
29) 1,1,1-Trichloroethane	4.65	97	315655	15.022 ug/L	99
31) Carbon tetrachloride	4.65	117	38364	2.160 ug/L	100
34) Trichloroethene	5.96	95	17687	1.233 ug/L	98
35) Methylcyclohexane	6.12	83	14000	0.604 ug/L #	14
37) 1,2-Dichloropropane	6.12	63	6982	0.508 ug/L #	88
44) trans-1,3-Dichloropropene	7.66	75	1116	0.084 ug/L #	77
47) Tetrachloroethene	8.02	164	2301	0.215 ug/L	89
48) 2-Hexanone	8.14	43	13409	2.213 ug/L #	72

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062219\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 22 04:10:42 2019
Response via : Initial Calibration

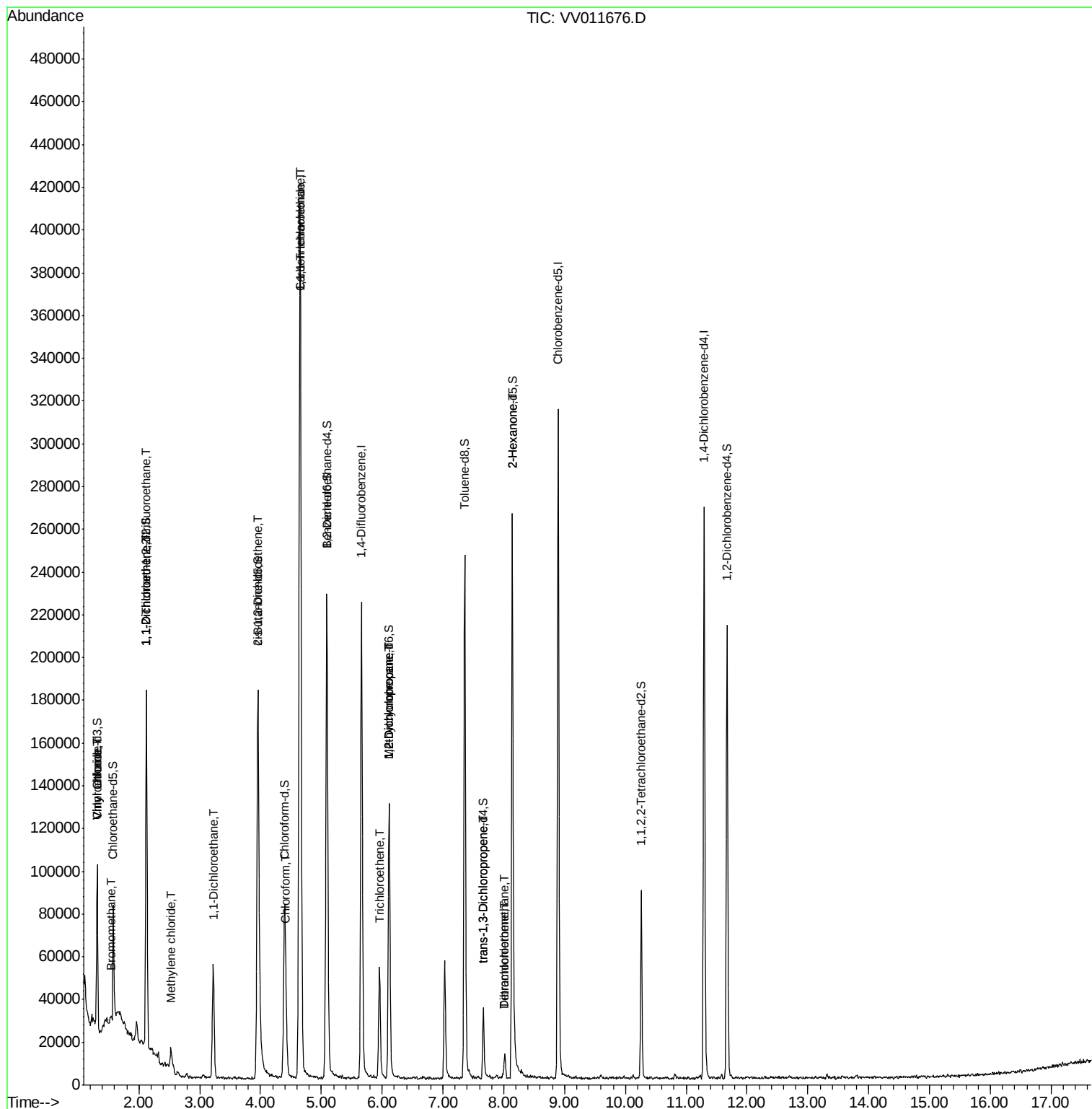
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.02	129	2238	0.255	ug/L #	11
-----	-----	-----	-----	-----	-----	-----

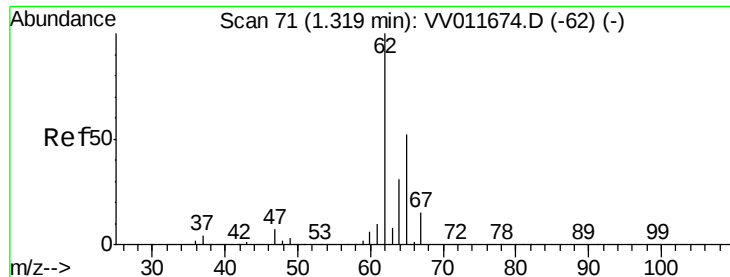
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.255 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011676.D

Acq: 21 Jun 2019 11:28

Instrument :

MSVOA_V

ClientSampled :

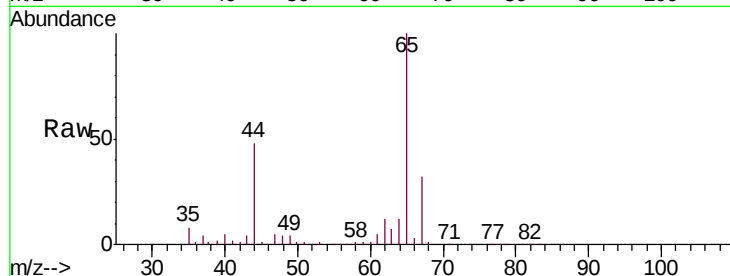
BFCM7

Tgt Ion: 62 Resp: 4160

Ion Ratio Lower Upper

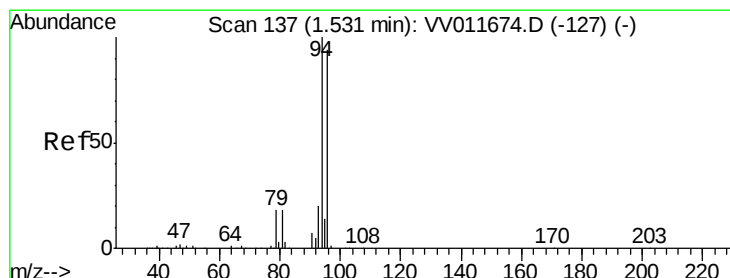
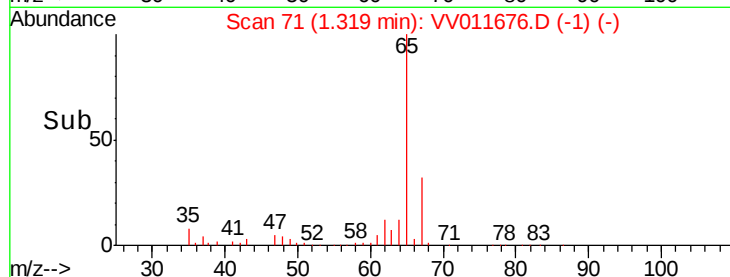
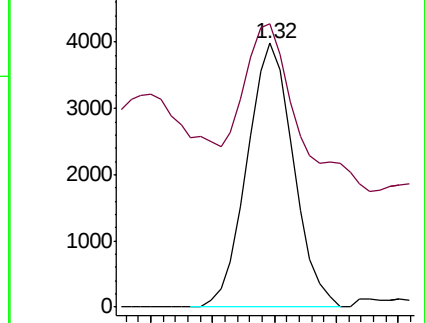
62 100

64 107.4 24.1 44.7#



Abundance Ion 62.00 (61.70 to 62.70): VV011674.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV011674.D (-62) (-)



#6

Bromomethane

Concen: 0.161 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011676.D

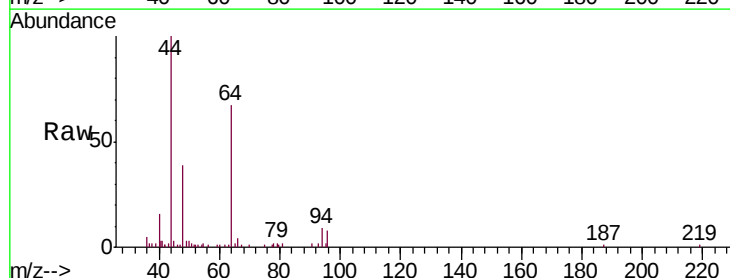
Acq: 21 Jun 2019 11:28

Tgt Ion: 94 Resp: 1144

Ion Ratio Lower Upper

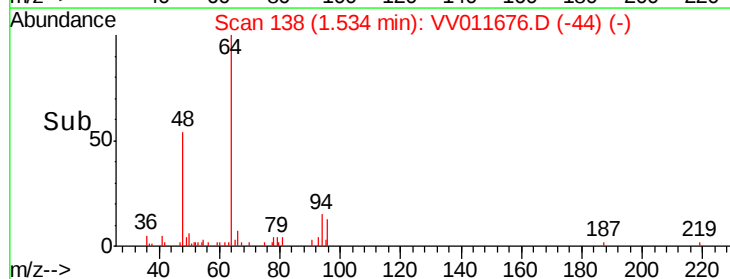
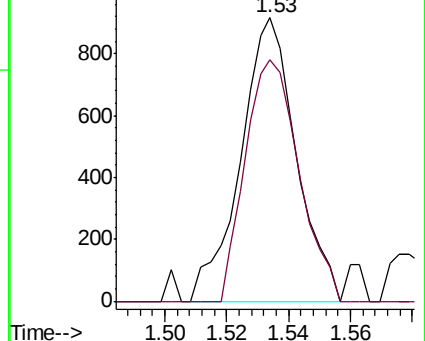
94 100

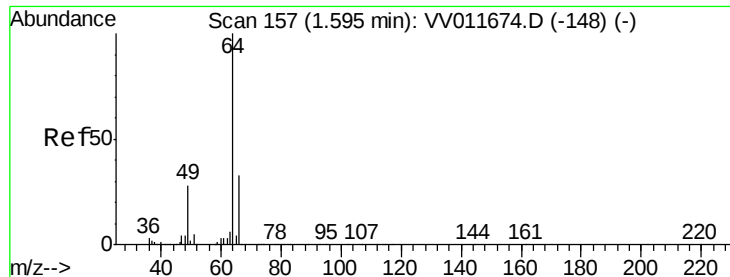
96 85.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV011674.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV011674.D (-127) (-)

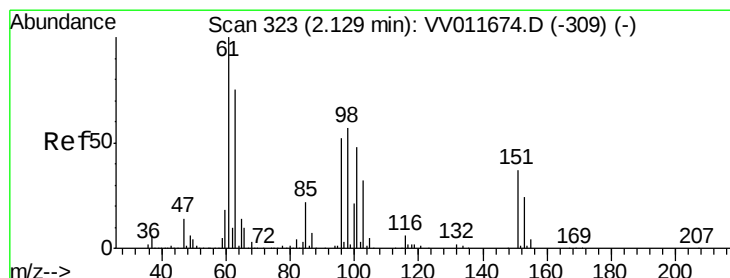
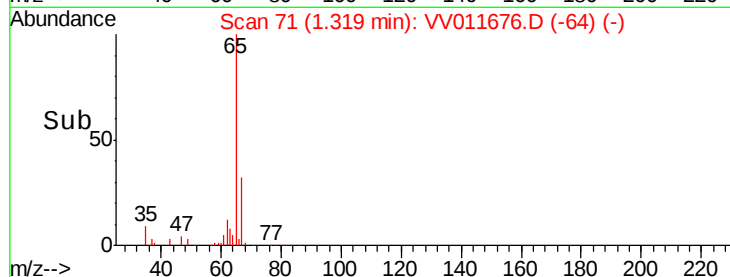
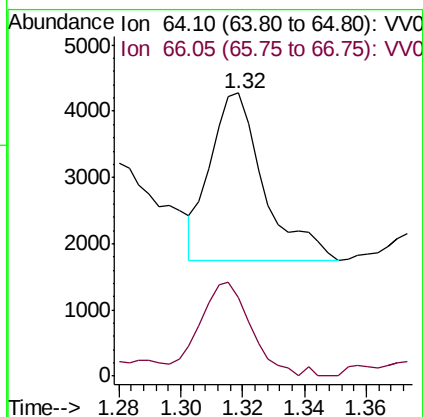
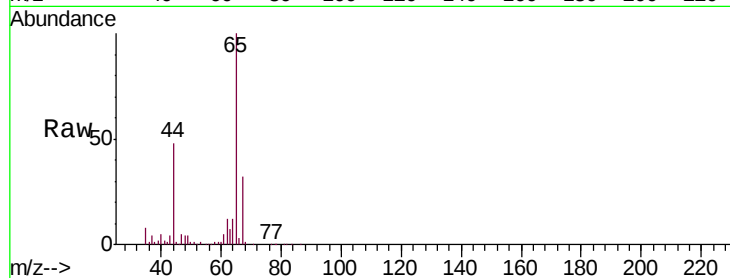




#8
Chloroethane
Concen: 0.355 ug/L
RT: 1.32 min Scan# 71
Delta R.T. -0.28 min
Lab File: VV011676.D
Acq: 21 Jun 2019 11:28

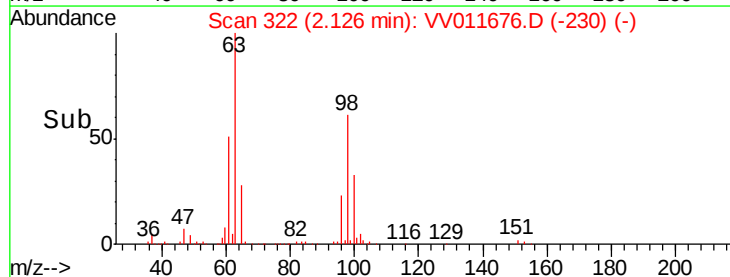
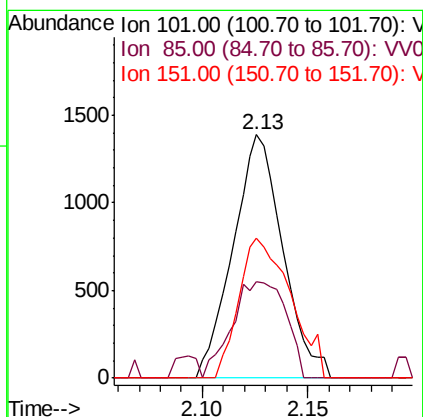
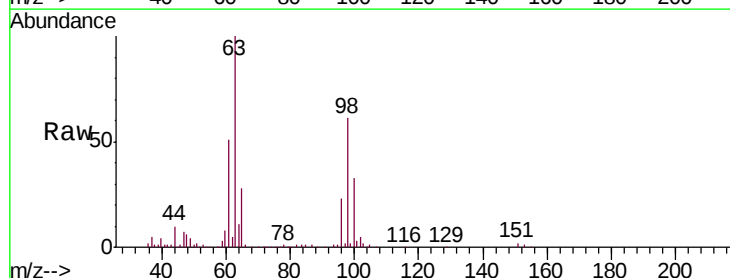
Instrument :
MSVOA_V
ClientSampleId :
BFCM7

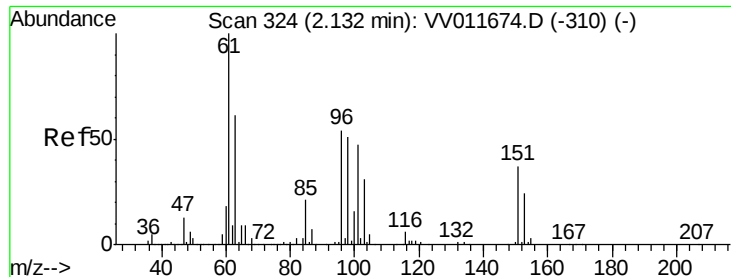
Tgt Ion: 64 Resp: 3022
Ion Ratio Lower Upper
64 100
66 27.7 20.6 38.4



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.191 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.00 min
Lab File: VV011676.D
Acq: 21 Jun 2019 11:28

Tgt Ion: 101 Resp: 2277
Ion Ratio Lower Upper
101 100
85 43.1 35.9 53.9
151 59.5 57.4 86.2





#12

1,1-Dichloroethene

Concen: 1.572 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011676.D

Acq: 21 Jun 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

BFCM7

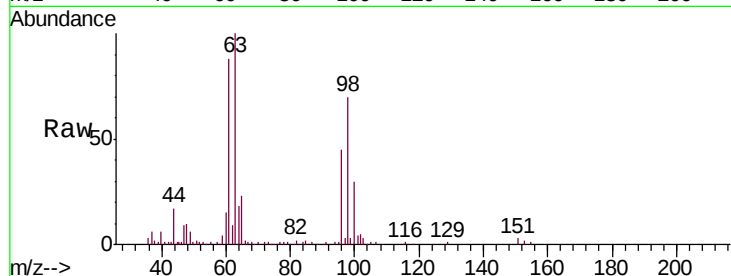
Tgt Ion: 96 Resp: 17137

Ion Ratio Lower Upper

96 100

61 195.9 131.5 244.1

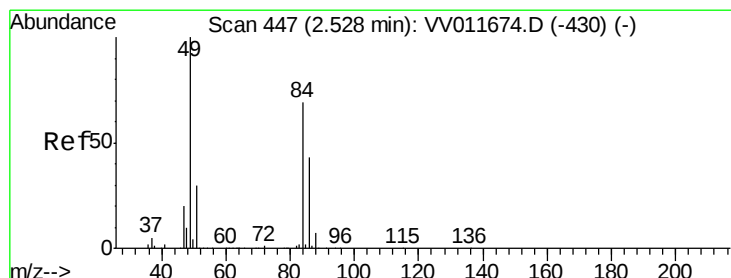
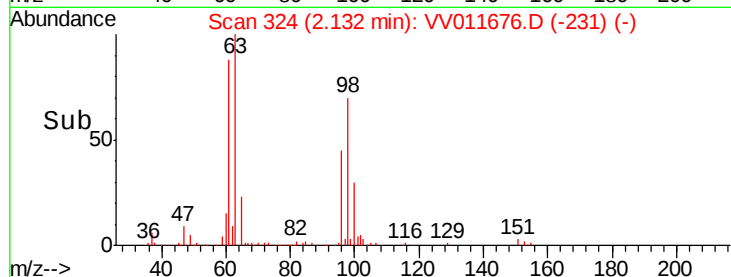
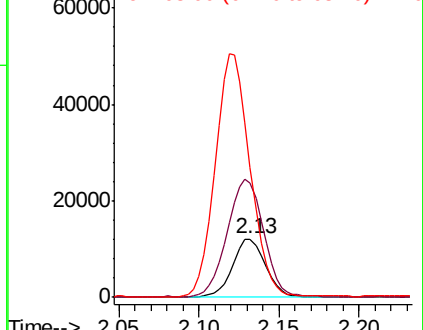
63 223.6 91.8 170.4#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#16

Methylene chloride

Concen: 0.221 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV011676.D

Acq: 21 Jun 2019 11:28

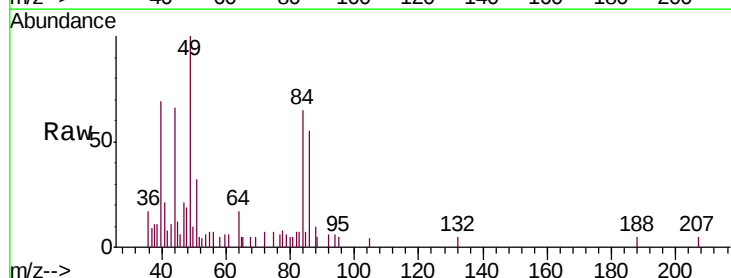
Tgt Ion: 84 Resp: 2685

Ion Ratio Lower Upper

84 100

86 83.8 44.9 83.5#

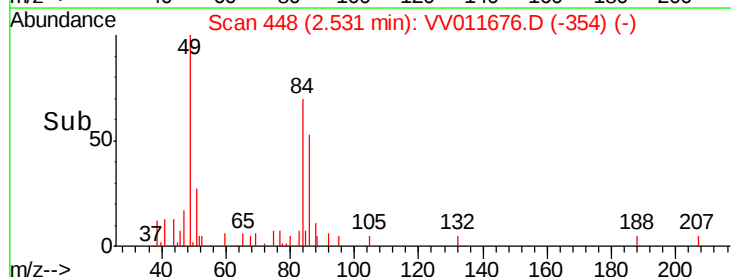
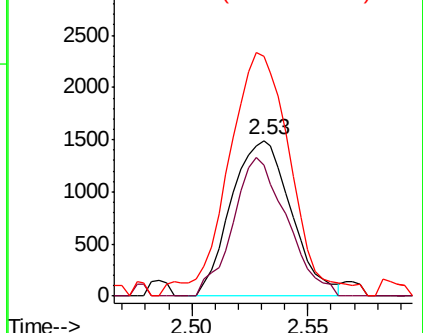
49 153.7 101.4 188.2

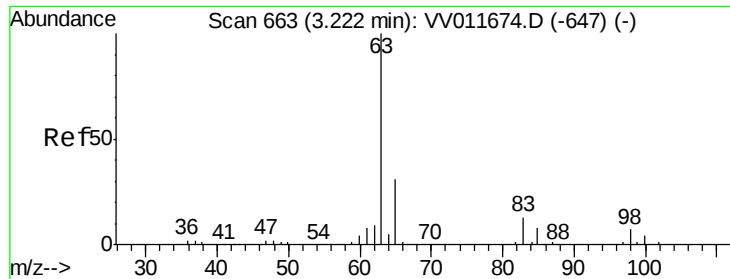


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

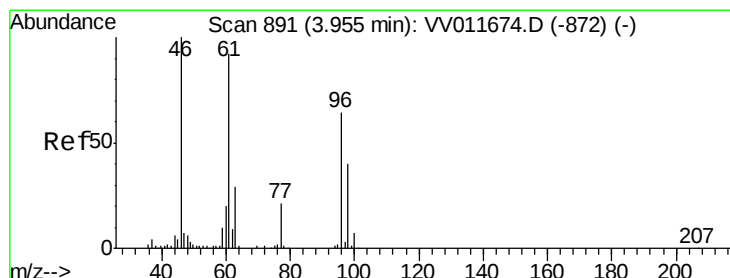
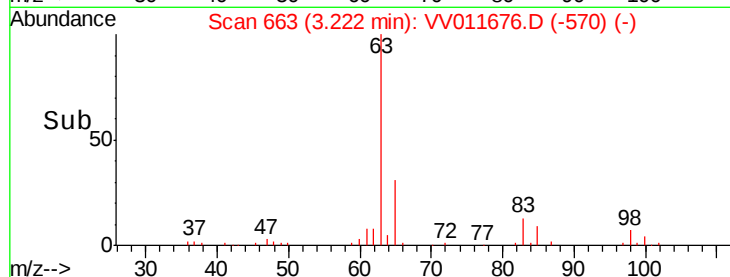
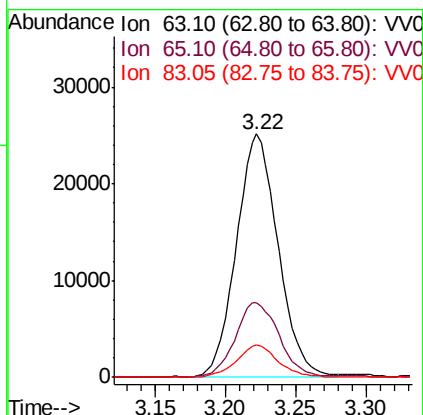
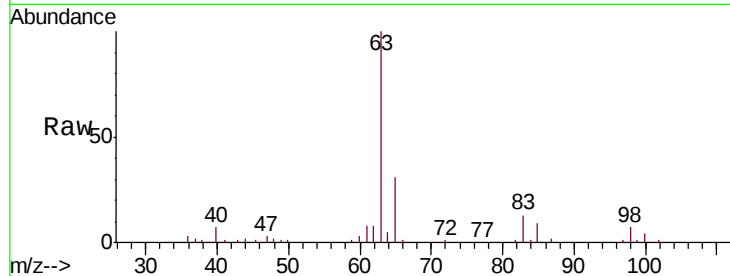




#19
 1,1-Dichloroethane
 Concen: 2.044 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV011676.D
 Acq: 21 Jun 2019 11:28

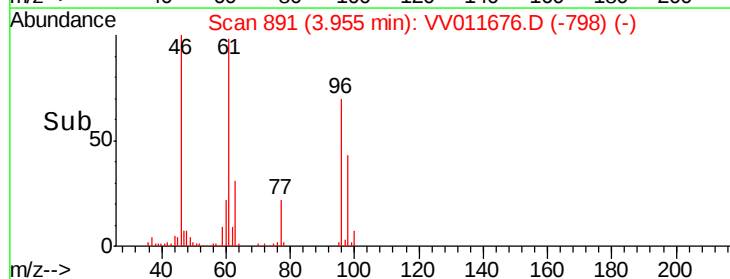
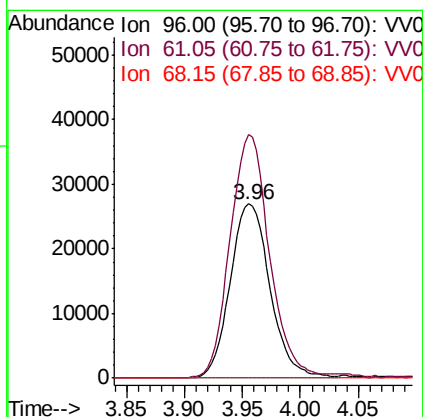
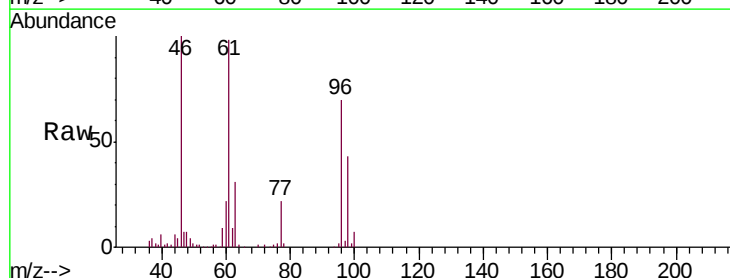
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCM7

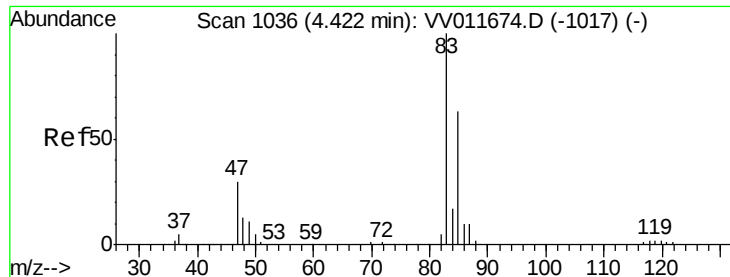
Tgt Ion: 63 Resp: 52065
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.0 42.8
 83 13.2 9.5 17.7



#22
 cis-1,2-Dichloroethene
 Concen: 4.590 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV011676.D
 Acq: 21 Jun 2019 11:28

Tgt Ion: 96 Resp: 64640
 Ion Ratio Lower Upper
 96 100
 61 139.9 97.9 181.7
 68 0.0 0.0 0.0

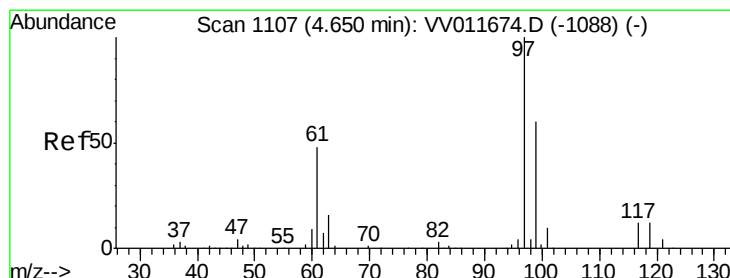
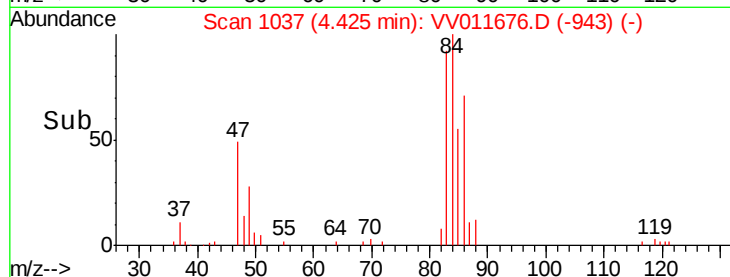
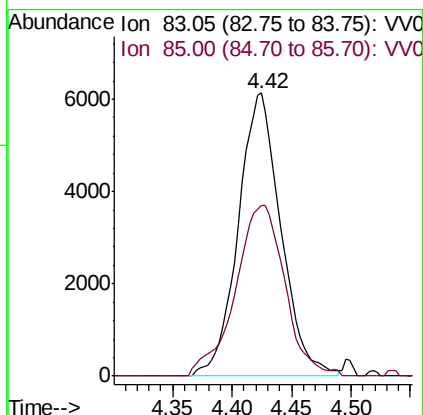
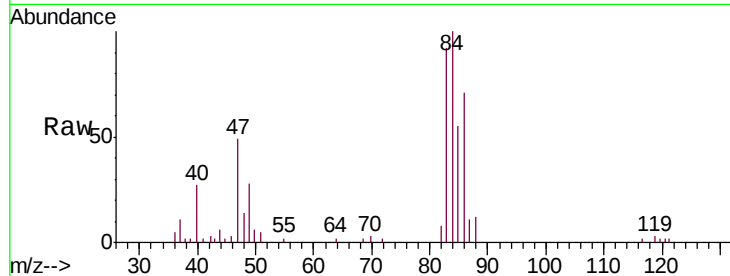




#25
Chloroform
Concen: 0.544 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011676.D
Acq: 21 Jun 2019 11:28

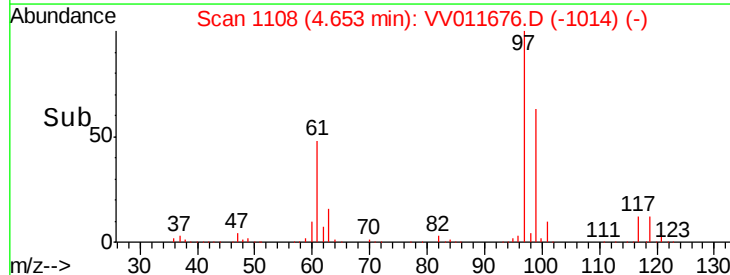
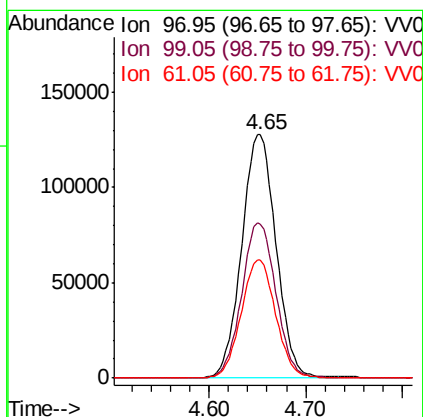
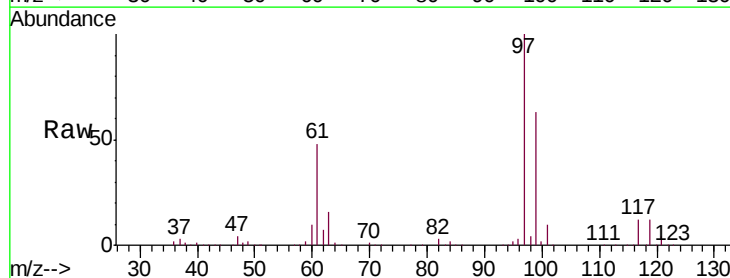
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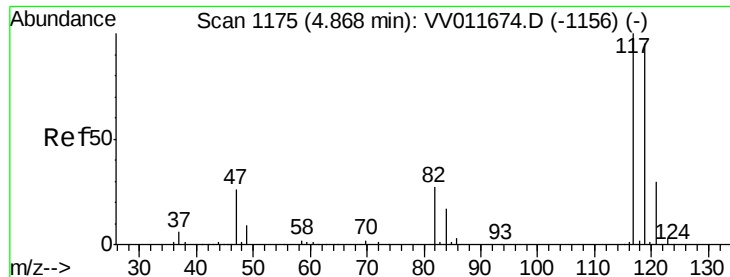
Tgt Ion: 83 Resp: 15219
Ion Ratio Lower Upper
83 100
85 60.4 47.0 87.2



#29
1,1,1-Trichloroethane
Concen: 15.022 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV011676.D
Acq: 21 Jun 2019 11:28

Tgt Ion: 97 Resp: 315655
Ion Ratio Lower Upper
97 100
99 63.7 51.6 77.4
61 48.6 39.8 59.6





#31

Carbon tetrachloride

Concen: 2.160 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.22 min

Lab File: VV011676.D

Acq: 21 Jun 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

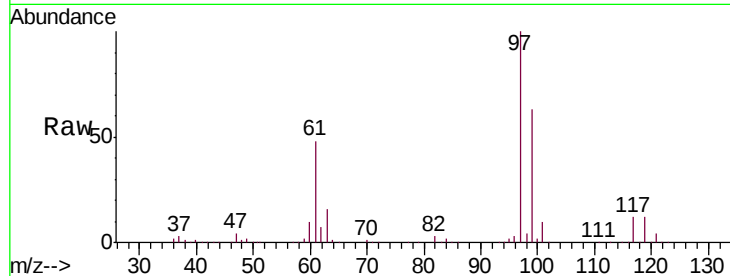
BFCM7

Tgt Ion: 117 Resp: 38364

Ion Ratio Lower Upper

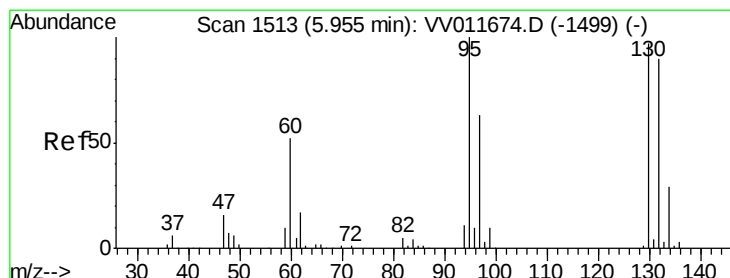
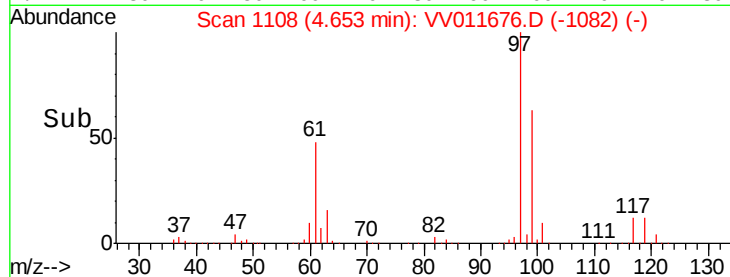
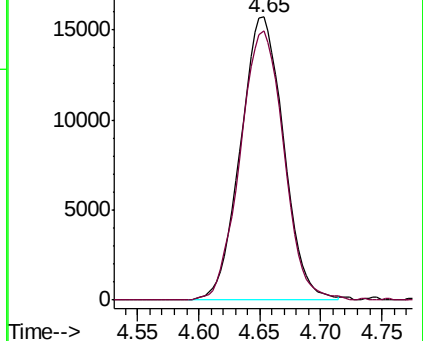
117 100

119 96.1 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 1.233 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011676.D

Acq: 21 Jun 2019 11:28

Tgt Ion: 95 Resp: 17687

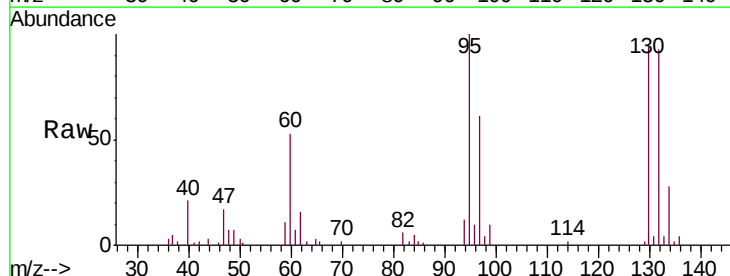
Ion Ratio Lower Upper

95 100

97 60.7 44.4 82.5

132 92.9 65.0 120.6

130 94.0 67.1 124.7

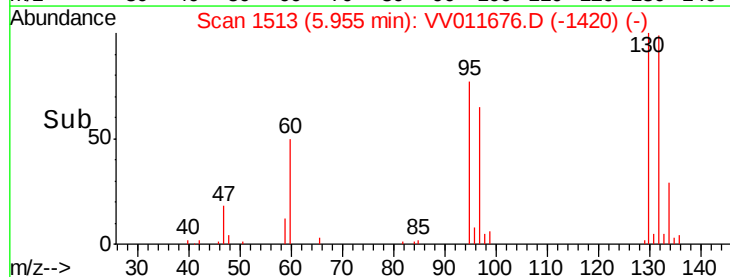
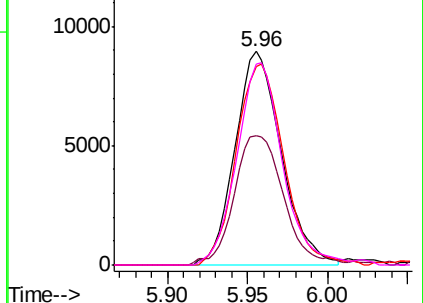


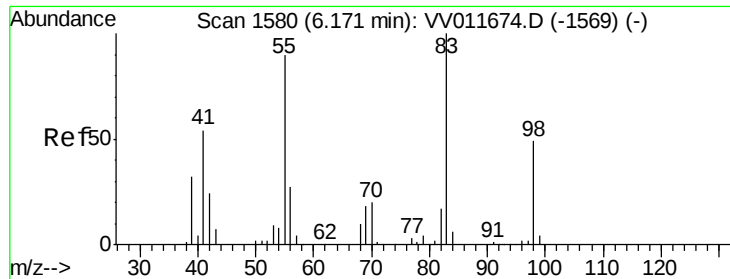
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

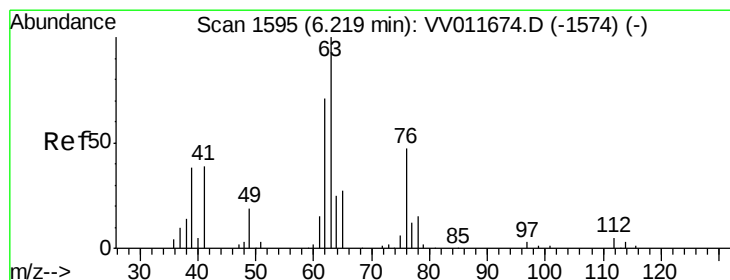
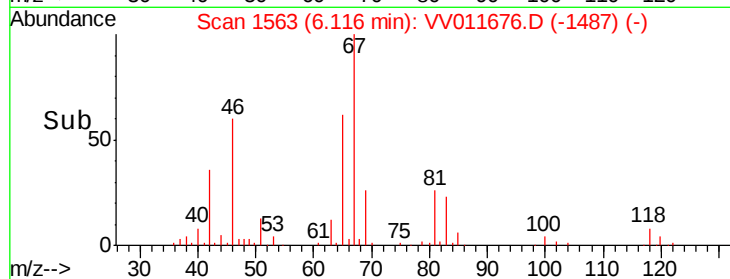
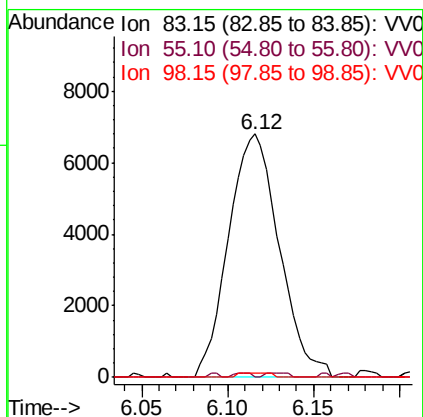
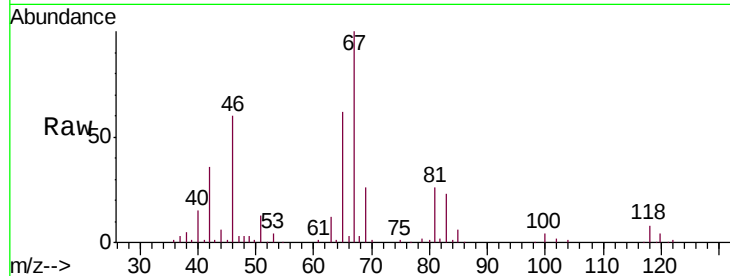




#35
Methylcyclohexane
Concen: 0.604 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011676.D
Acq: 21 Jun 2019 11:28

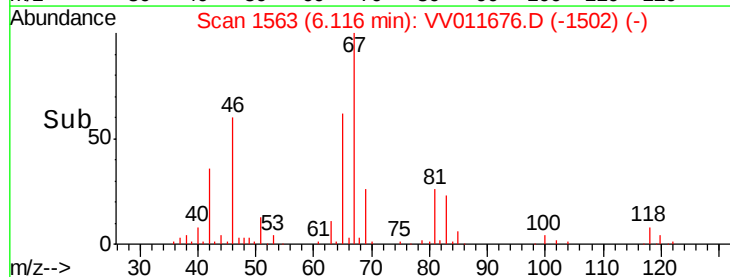
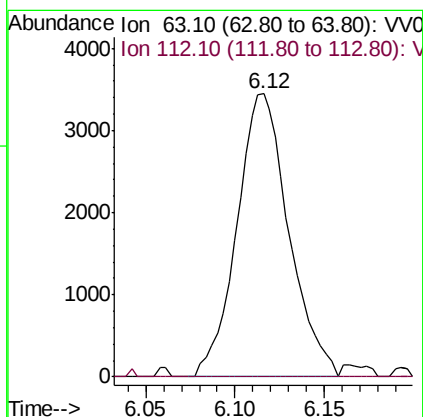
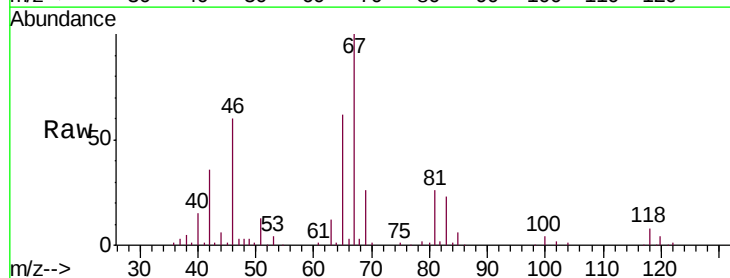
Instrument :
MSVOA_V
ClientSampleId :
BFCM7

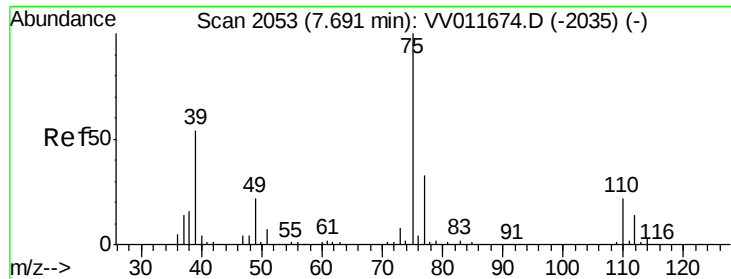
Tgt Ion: 83 Resp: 14000
Ion Ratio Lower Upper
83 100
55 0.6 69.4 104.2#
98 0.5 40.2 60.4#



#37
1,2-Dichloropropane
Concen: 0.508 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV011676.D
Acq: 21 Jun 2019 11:28

Tgt Ion: 63 Resp: 6982
Ion Ratio Lower Upper
63 100
112 0.3 3.4 5.2#





#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV011676.D

Acq: 21 Jun 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

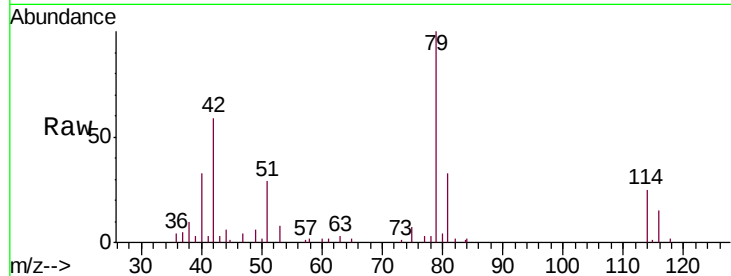
BFCM7

Tgt Ion: 75 Resp: 1116

Ion Ratio Lower Upper

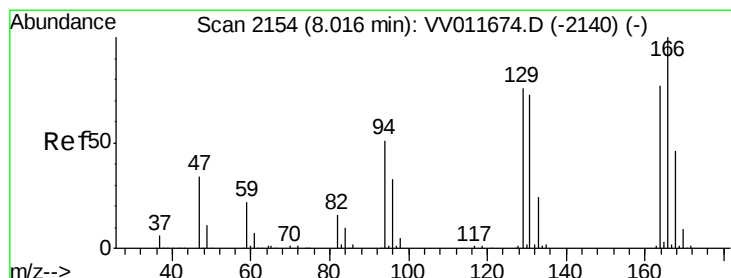
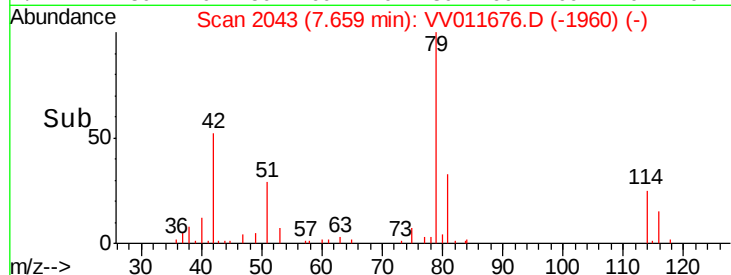
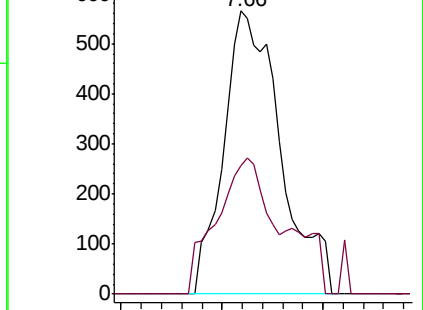
75 100

77 45.5 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VV011674.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV011674.D (-2035) (-)



#47

Tetrachloroethene

Concen: 0.215 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011676.D

Acq: 21 Jun 2019 11:28

Tgt Ion:164 Resp: 2301

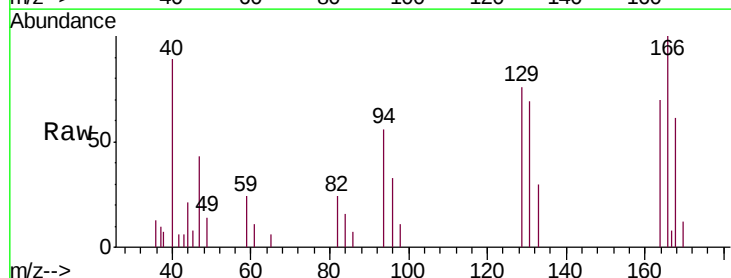
Ion Ratio Lower Upper

164 100

129 107.9 69.7 129.5

131 98.6 64.6 120.0

166 141.9 86.4 160.4

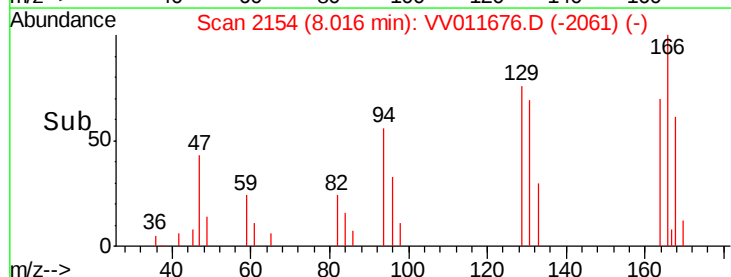
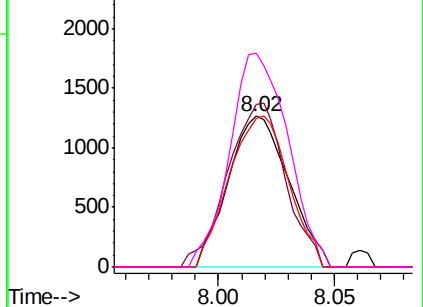


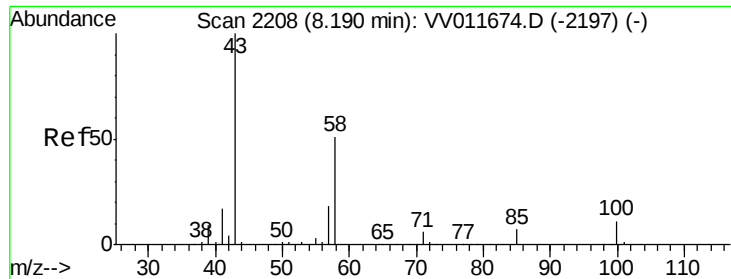
Abundance Ion 163.90 (163.60 to 164.60): VV011674.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV011674.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV011674.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV011674.D (-2140) (-)

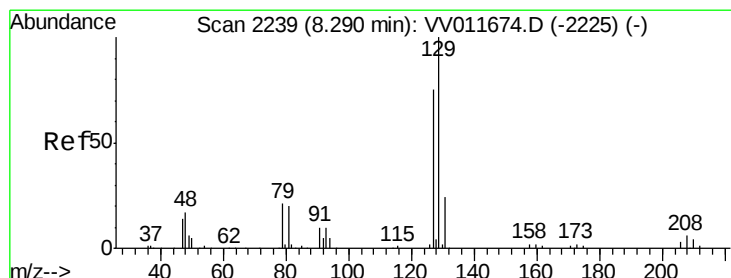
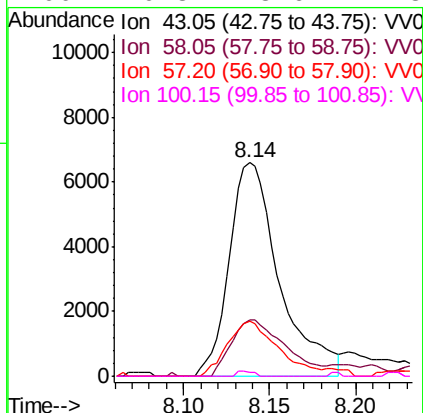
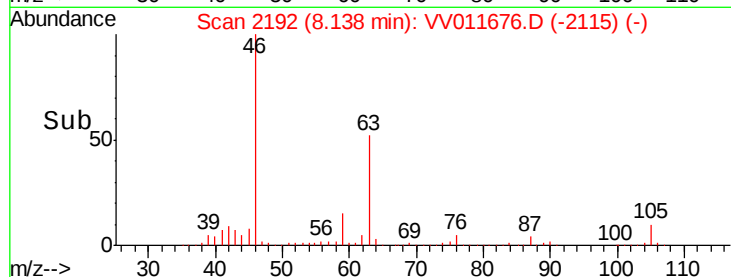
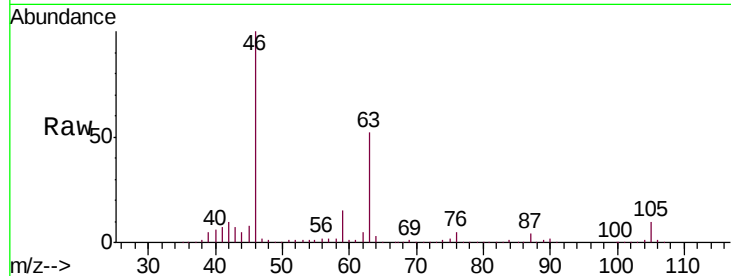




#48
2-Hexanone
Concen: 2.213 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV011676.D
Acq: 21 Jun 2019 11:28

Instrument :
MSVOA_V
ClientSampleId :
BFCM7

Tgt Ion: 43 Resp: 13409
Ion Ratio Lower Upper
43 100
58 27.9 40.1 60.1#
57 26.0 14.4 21.6#
100 0.8 8.6 12.8#



#49
Dibromochloromethane
Concen: 0.255 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV011676.D
Acq: 21 Jun 2019 11:28

Tgt Ion: 129 Resp: 2238
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#

