

Data File : VV011677.D
Acq On : 21 Jun 2019 11:56
Operator : SY/MD
Sample : K3381-16 100X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCK9

Quant Time: Jun 22 04:14:00 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	164788	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	155131	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62509	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48620	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.58	69	37402	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.12	63	91746	4.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.60%
20) 2-Butanone-d5	3.96	46	145921	50.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.30%
24) Chloroform-d	4.40	84	89808	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.08	65	60059	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.09	84	209048	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.12	67	66383	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.36	98	178506	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.66	79	19671	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.14	63	107632	49.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43461	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	59813	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1472	0.095 ug/L #	70
5) Vinyl chloride	1.32	62	33240	2.181 ug/L	92
6) Bromomethane	1.53	94	1120	0.169 ug/L	89
8) Chloroethane	1.60	64	150866	18.945 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	24343	2.179 ug/L	99
12) 1,1-Dichloroethene	2.13	96	23852	2.339 ug/L #	72
16) Methylene chloride	2.53	84	4244	0.373 ug/L	97
19) 1,1-Dichloroethane	3.22	63	405076	16.997 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	90969	6.904 ug/L	100
25) Chloroform	4.42	83	17820	0.681 ug/L	92
29) 1,1,1-Trichloroethane	4.65	97	168396	8.431 ug/L	100
31) Carbon tetrachloride	4.65	117	19342	1.146 ug/L	94
34) Trichloroethene	5.96	95	14487	1.062 ug/L	93
35) Methylcyclohexane	6.12	83	16324	0.741 ug/L #	15
37) 1,2-Dichloropropane	6.11	63	8495	0.651 ug/L #	90
44) trans-1,3-Dichloropropene	7.66	75	1178	0.093 ug/L #	42
47) Tetrachloroethene	8.01	164	7061	0.695 ug/L	94

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

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QLast Update : Sat Jun 22 04:10:42 2019
Response via : Initial Calibration

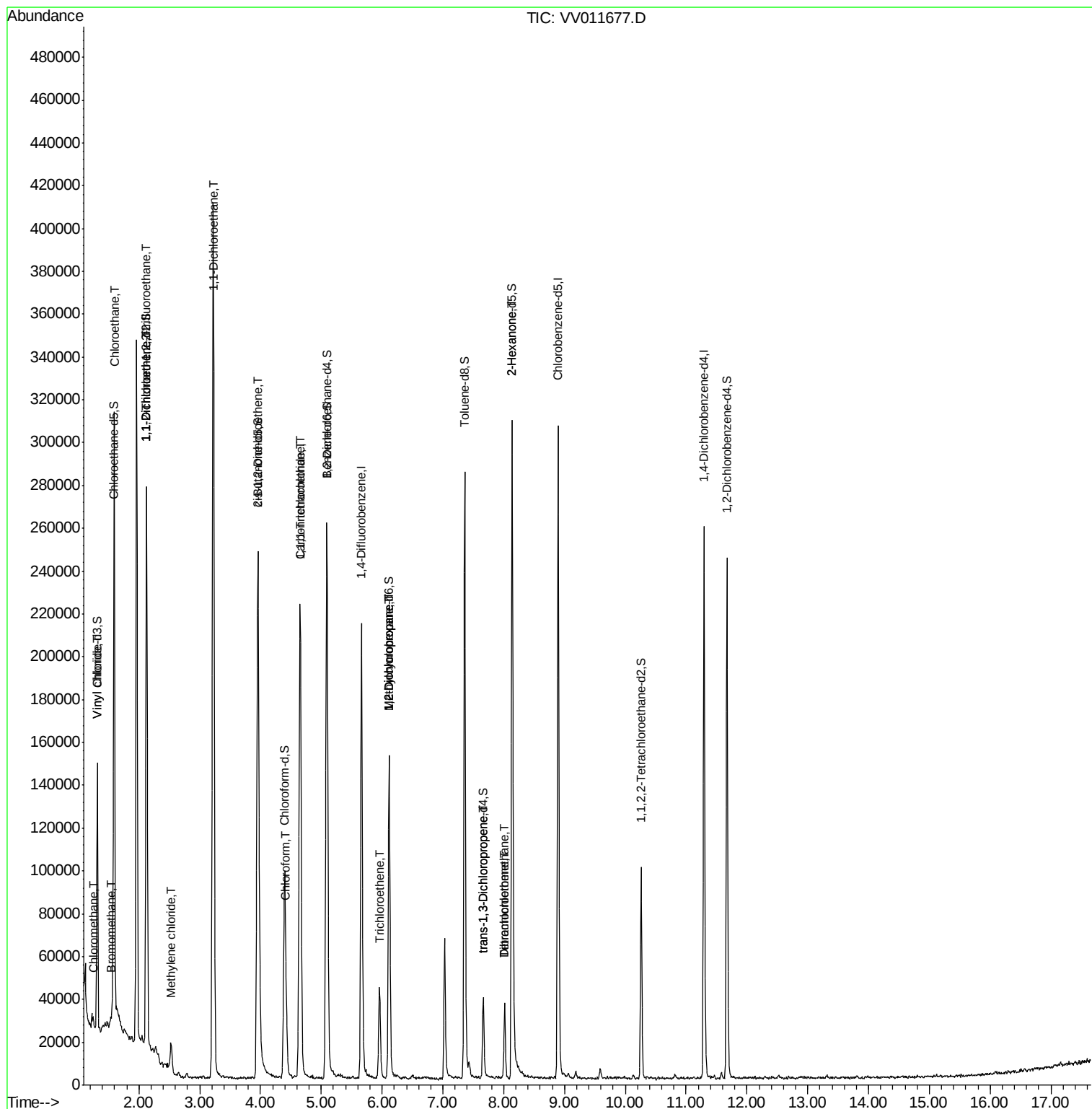
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.14	43	14325	2.487	ug/L #	70
49) Dibromochloromethane	8.02	129	7580	0.910	ug/L #	11

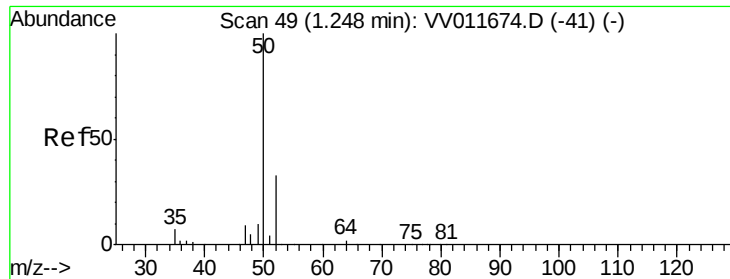
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.095 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011677.D

Acq: 21 Jun 2019 11:56

Instrument :

MSVOA_V

ClientSampleId :

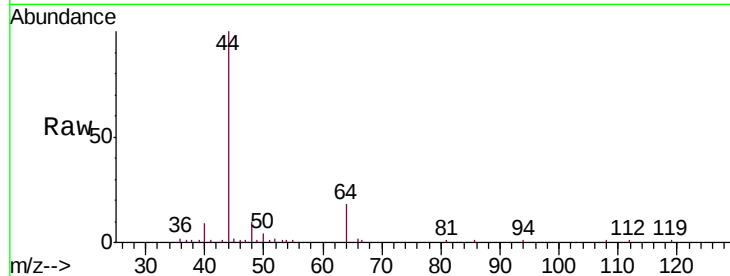
BFC9

Tgt Ion: 50 Resp: 1472

Ion Ratio Lower Upper

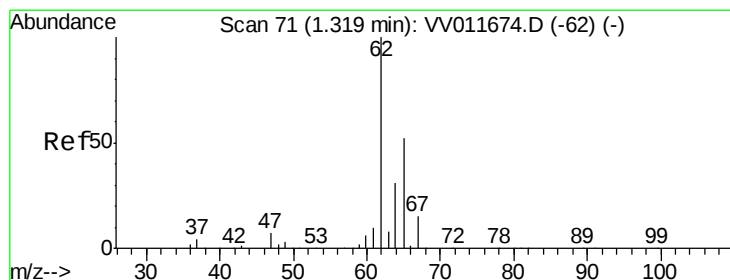
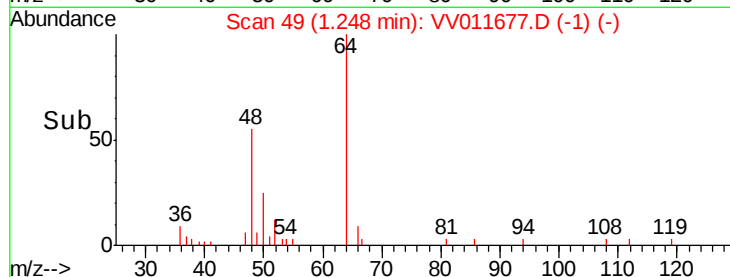
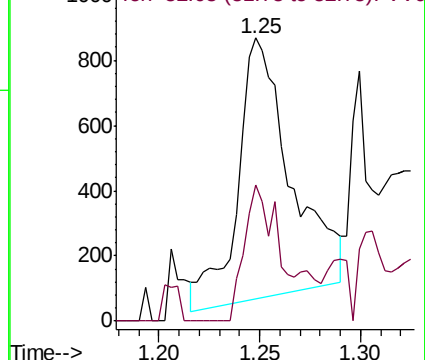
50 100

52 48.0 22.0 40.8#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 2.181 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011677.D

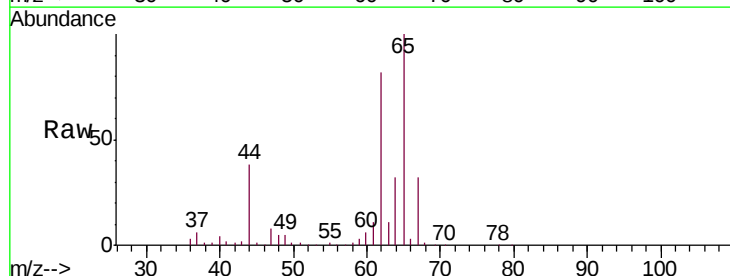
Acq: 21 Jun 2019 11:56

Tgt Ion: 62 Resp: 33240

Ion Ratio Lower Upper

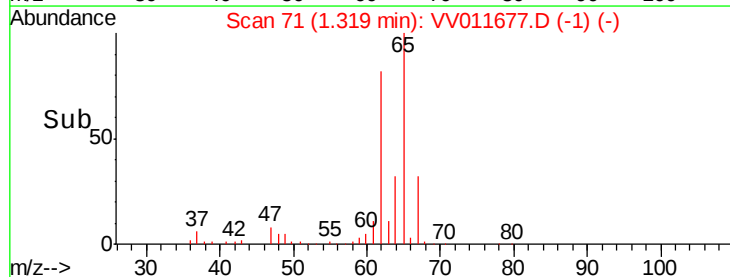
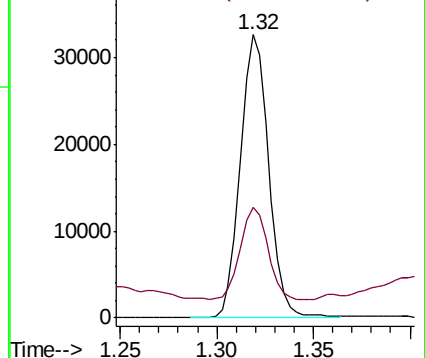
62 100

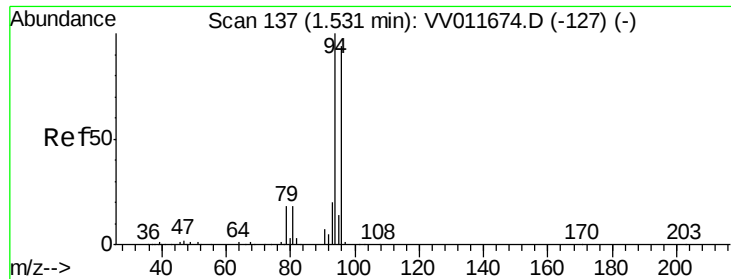
64 39.3 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#6

Bromomethane

Concen: 0.169 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011677.D

Acq: 21 Jun 2019 11:56

Instrument :

MSVOA_V

ClientSampleId :

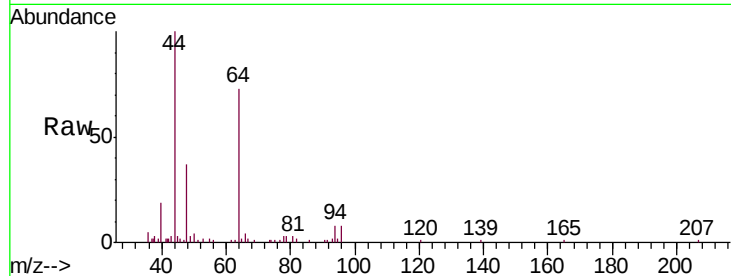
BFC9

Tgt Ion: 94 Resp: 1120

Ion Ratio Lower Upper

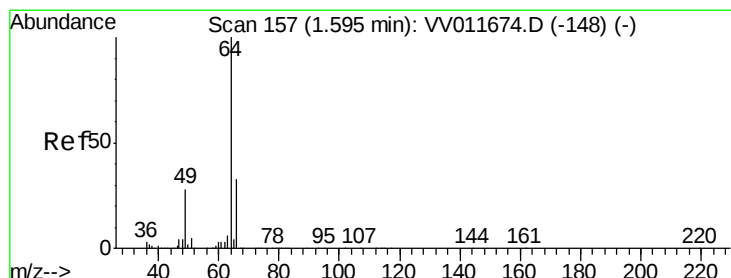
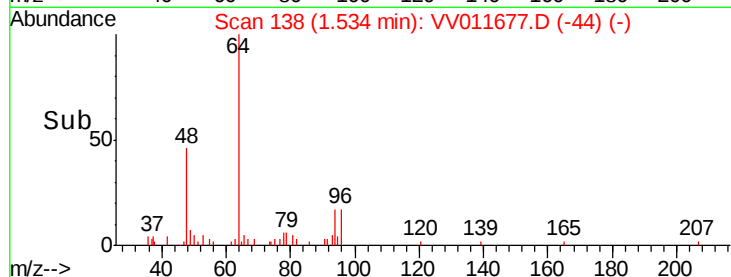
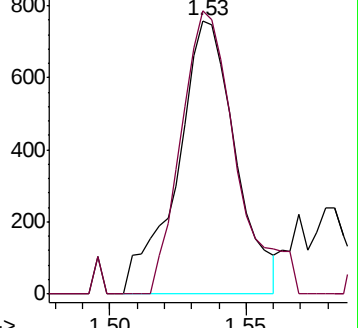
94 100

96 103.6 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV011677.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV011677.D (-127) (-)



#8

Chloroethane

Concen: 18.945 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV011677.D

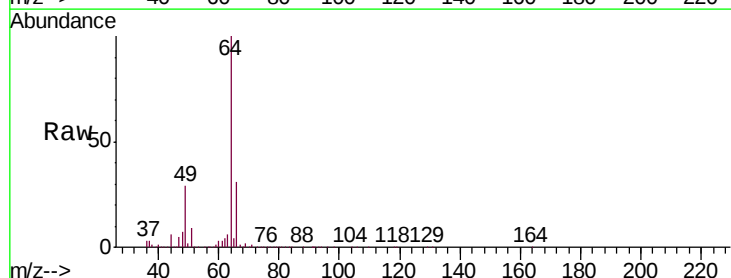
Acq: 21 Jun 2019 11:56

Tgt Ion: 64 Resp: 150866

Ion Ratio Lower Upper

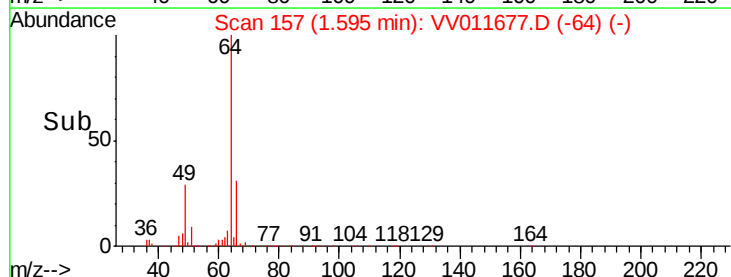
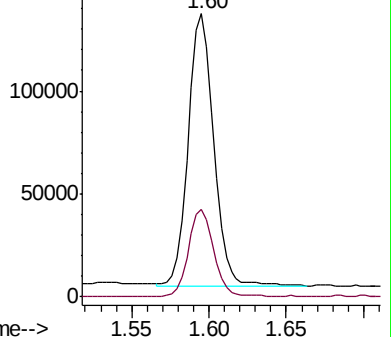
64 100

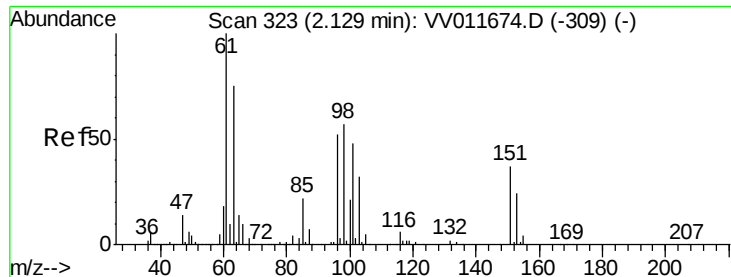
66 31.0 20.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VV011677.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV011677.D (-148) (-)





#10

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

Concen: 2.179 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011677.D

Acq: 21 Jun 2019 11:56

Instrument :

MSVOA_V

ClientSampleId :

BFC9

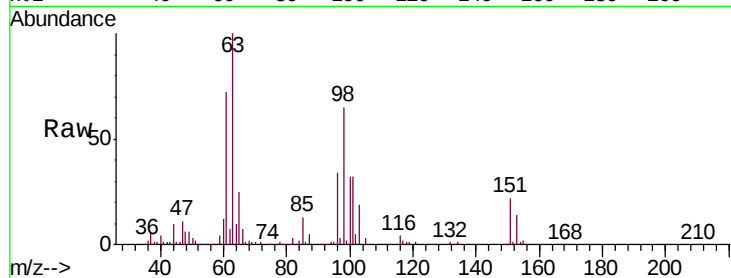
Tgt Ion: 101 Resp: 24343

Ion Ratio Lower Upper

101 100

85 45.6 35.9 53.9

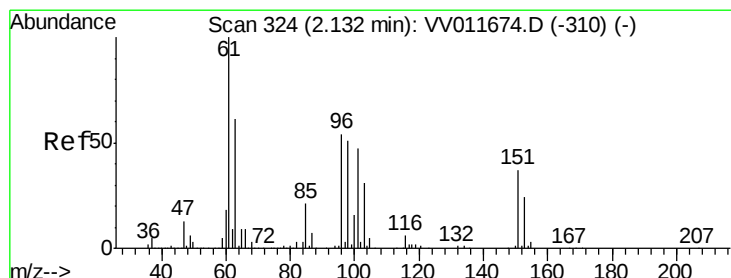
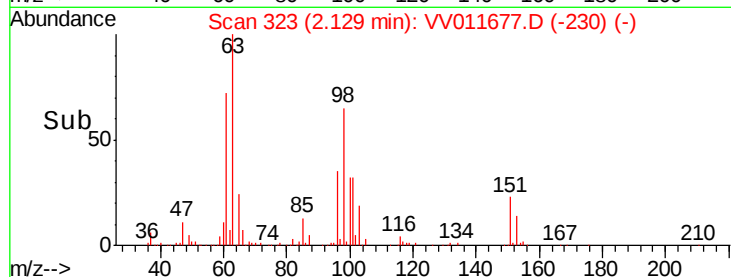
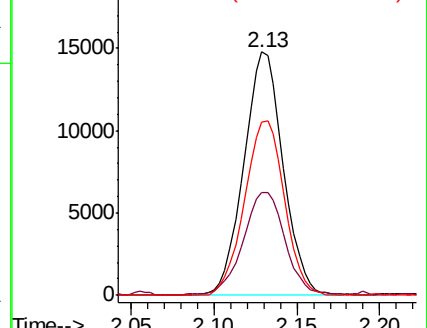
151 72.8 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.339 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011677.D

Acq: 21 Jun 2019 11:56

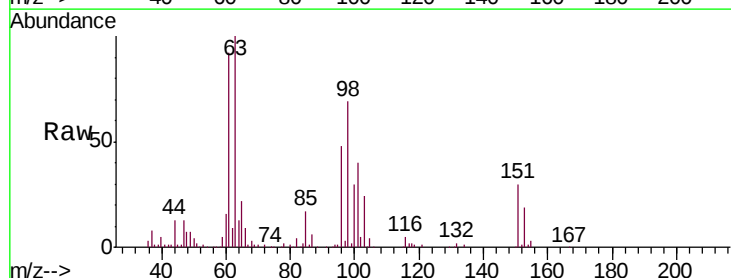
Tgt Ion: 96 Resp: 23852

Ion Ratio Lower Upper

96 100

61 191.6 131.5 244.1

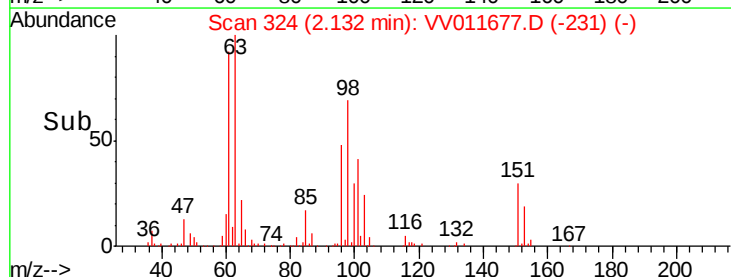
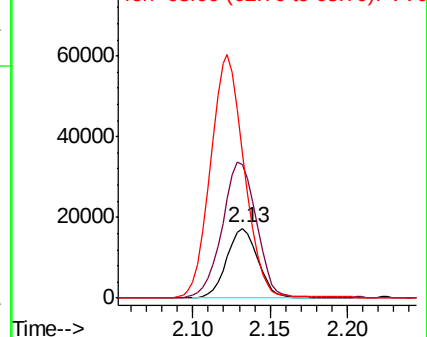
63 207.7 91.8 170.4#

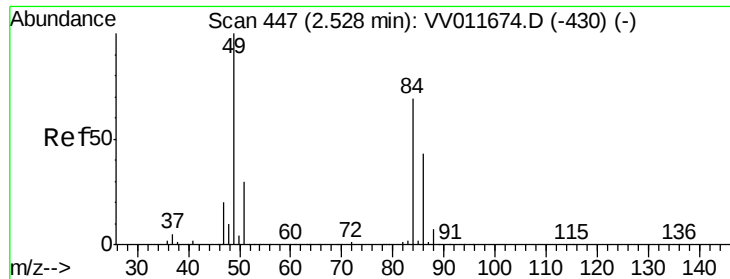


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

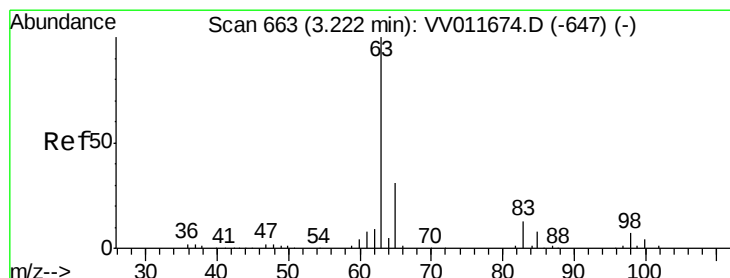
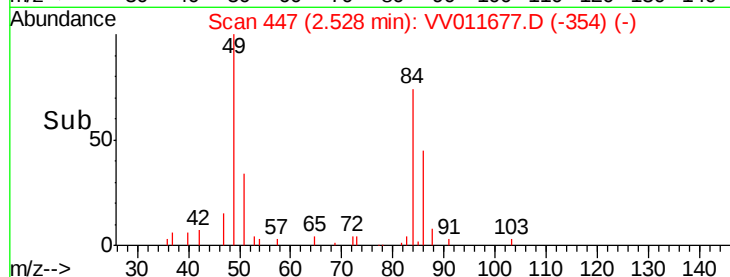
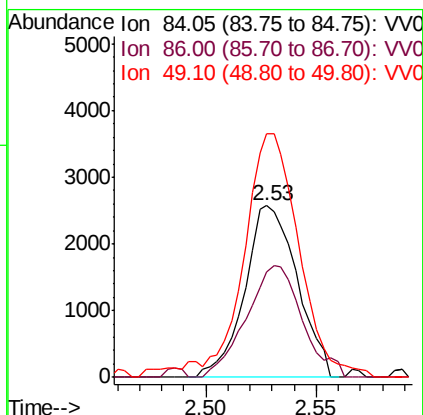
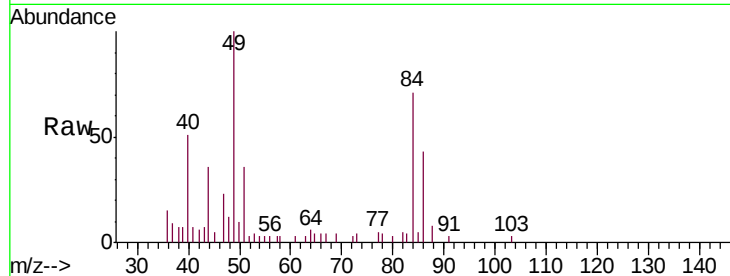




#16
Methylene chloride
Concen: 0.373 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011677.D
Acq: 21 Jun 2019 11:56

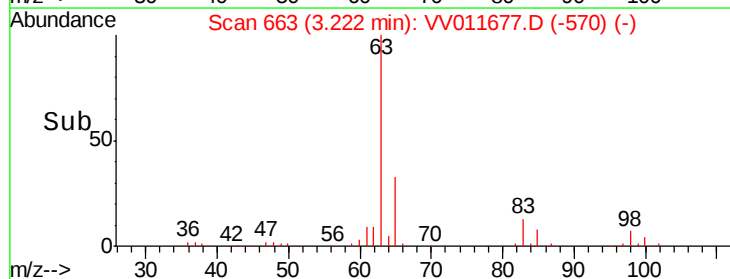
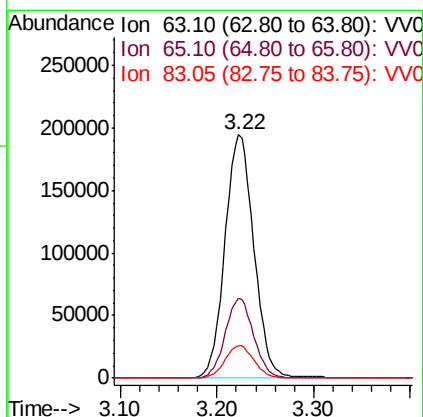
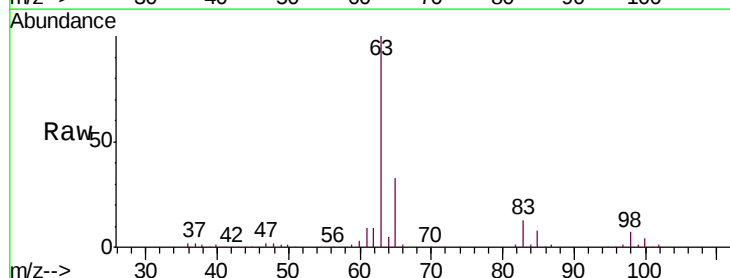
Instrument :
MSVOA_V
ClientSampleId :
BFCK9

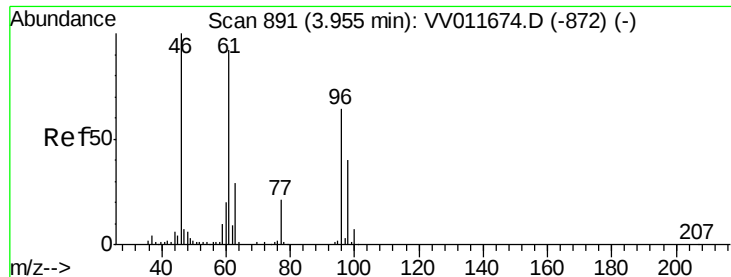
Tgt Ion: 84 Resp: 4244
Ion Ratio Lower Upper
84 100
86 61.1 44.9 83.5
49 141.8 101.4 188.2



#19
1,1-Dichloroethane
Concen: 16.997 ug/L
RT: 3.22 min Scan# 663
Delta R.T. -0.00 min
Lab File: VV011677.D
Acq: 21 Jun 2019 11:56

Tgt Ion: 63 Resp: 405076
Ion Ratio Lower Upper
63 100
65 32.6 23.0 42.8
83 13.2 9.5 17.7



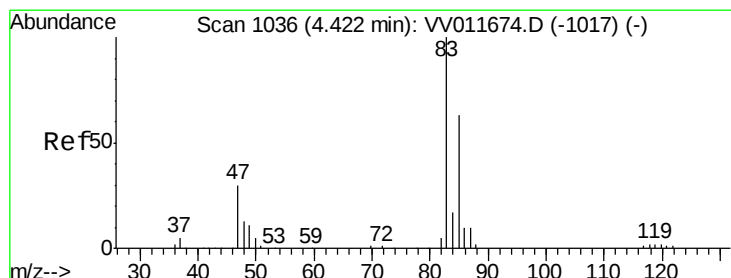
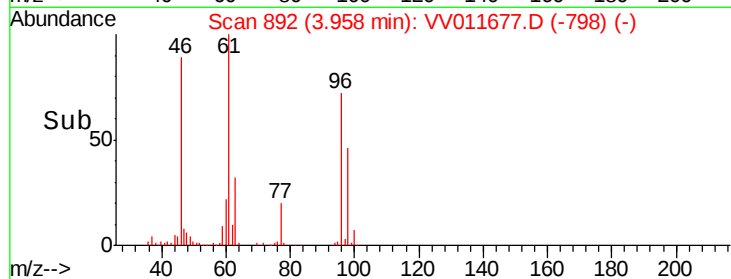
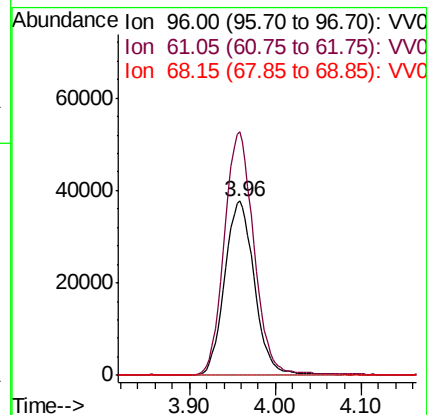
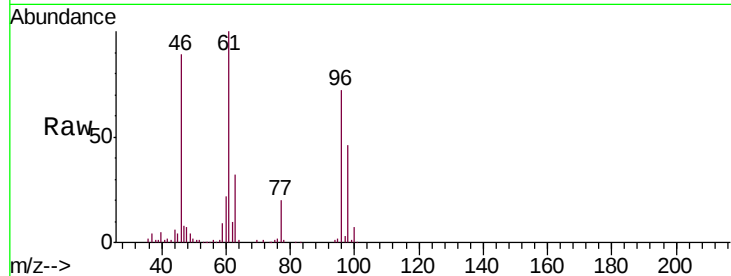


#22

cis-1,2-Dichloroethene
 Concen: 6.904 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV011677.D
 Acq: 21 Jun 2019 11:56

Instrument :
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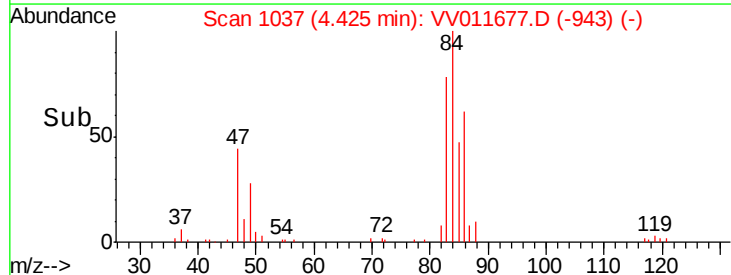
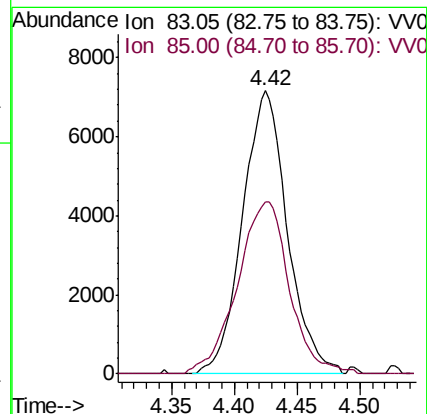
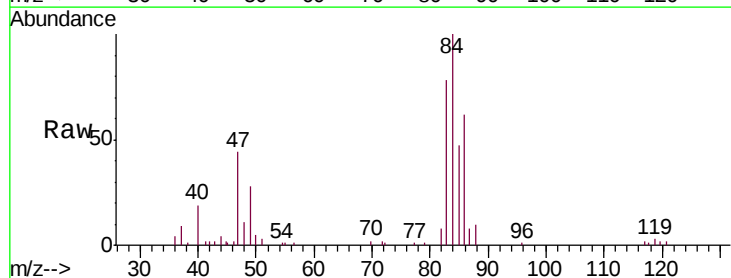
Tgt Ion: 96 Resp: 90969
 Ion Ratio Lower Upper
 96 100
 61 139.8 97.9 181.7
 68 0.0 0.0 0.0

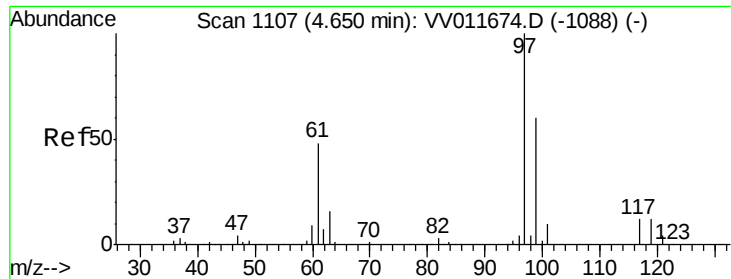


#25

Chloroform
 Concen: 0.681 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV011677.D
 Acq: 21 Jun 2019 11:56

Tgt Ion: 83 Resp: 17820
 Ion Ratio Lower Upper
 83 100
 85 60.8 47.0 87.2

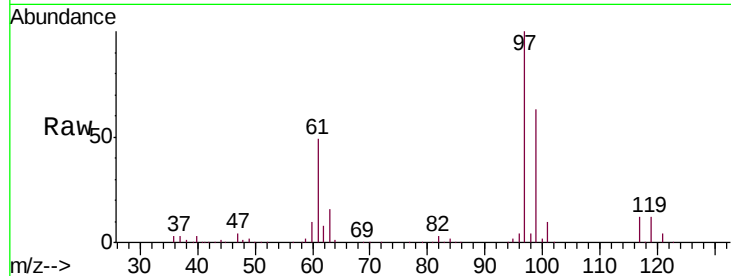




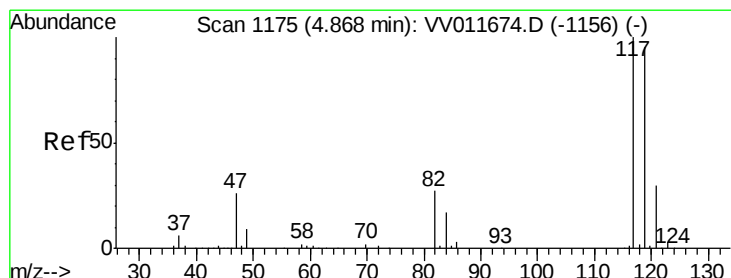
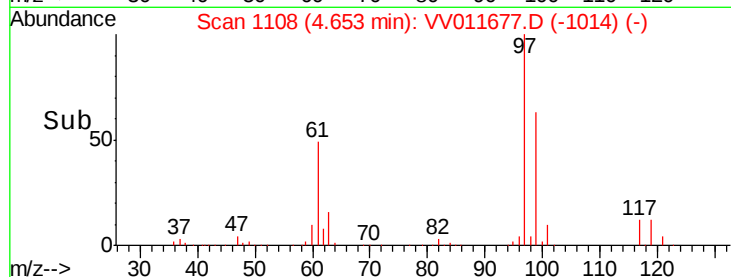
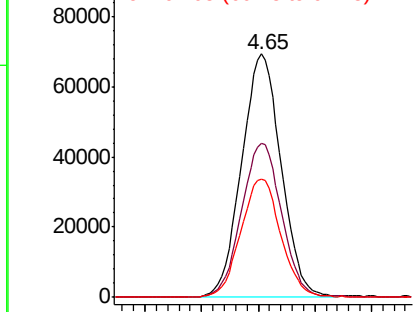
#29
 1,1,1-Trichloroethane
 Concen: 8.431 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV011677.D
 Acq: 21 Jun 2019 11:56

Instrument :
 MSVOA_V
 ClientSampled :
 BFCK9

Tgt Ion: 97 Resp: 168396
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.6 77.4
 61 49.4 39.8 59.6

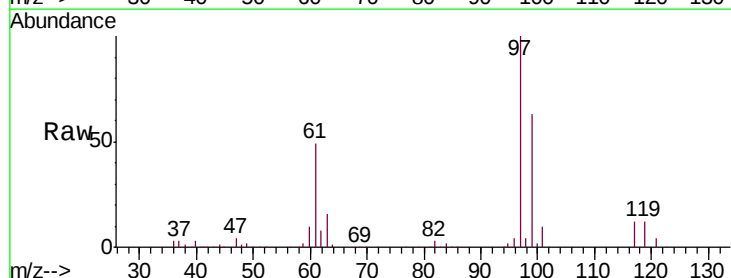


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

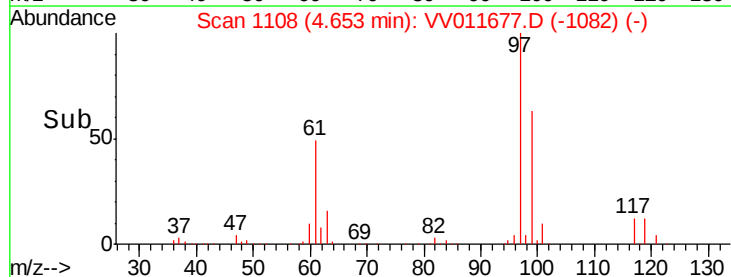
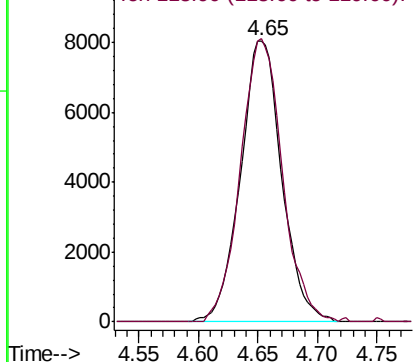


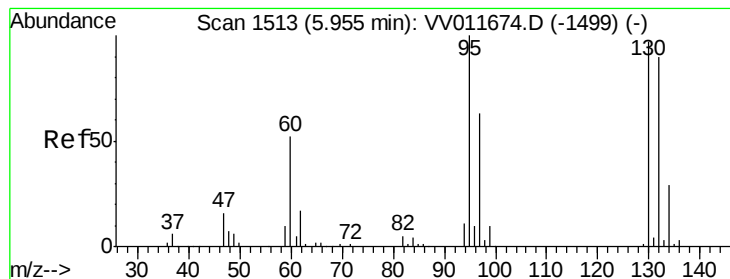
#31
 Carbon tetrachloride
 Concen: 1.146 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.22 min
 Lab File: VV011677.D
 Acq: 21 Jun 2019 11:56

Tgt Ion: 117 Resp: 19342
 Ion Ratio Lower Upper
 117 100
 119 102.4 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: 1.062 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011677.D

Acq: 21 Jun 2019 11:56

Instrument :

MSVOA_V

ClientSampleId :

BFC9

Tgt Ion: 95 Resp: 14487

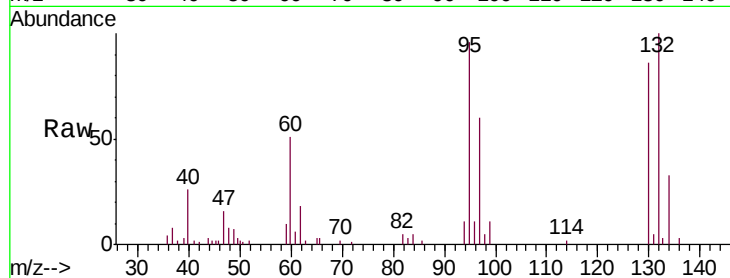
Ion Ratio Lower Upper

95 100

97 63.2 44.4 82.5

132 104.6 65.0 120.6

130 90.3 67.1 124.7

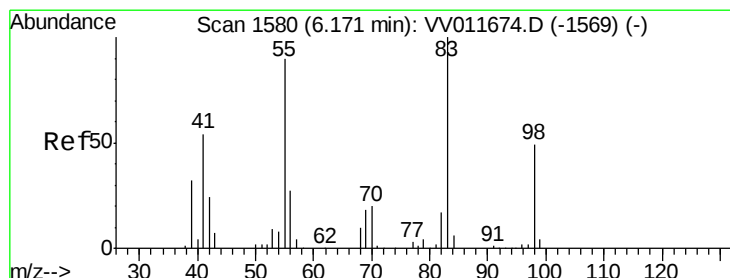
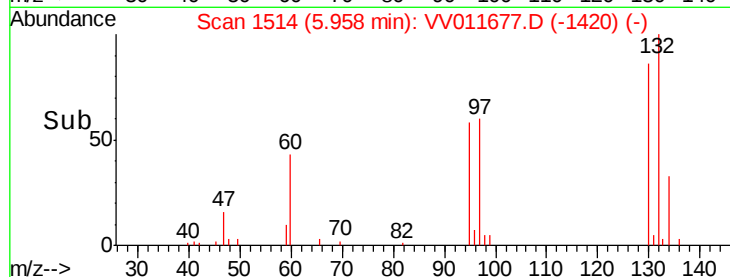
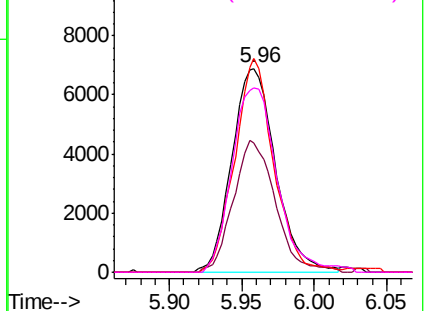


Abundance Ion 95.00 (94.70 to 95.70): VV011677.D (-1499) (-)

Ion 96.95 (96.65 to 97.65): VV011677.D (-1499) (-)

Ion 131.95 (131.65 to 132.65): VV011677.D (-1499) (-)

Ion 129.95 (129.65 to 130.65): VV011677.D (-1499) (-)



#35

Methylcyclohexane

Concen: 0.741 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011677.D

Acq: 21 Jun 2019 11:56

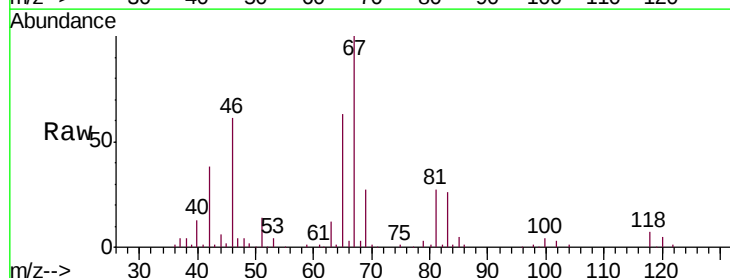
Tgt Ion: 83 Resp: 16324

Ion Ratio Lower Upper

83 100

55 0.4 69.4 104.2#

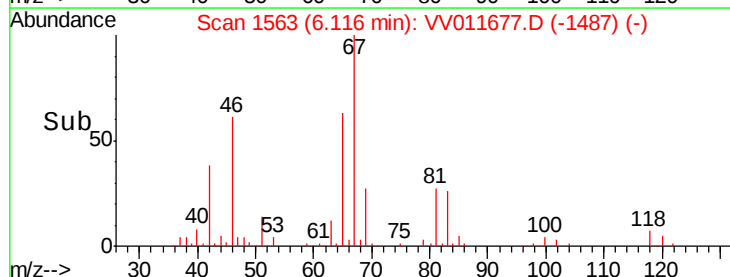
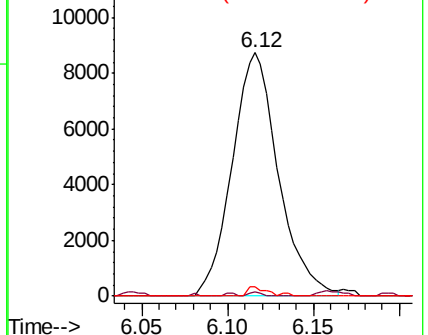
98 1.5 40.2 60.4#

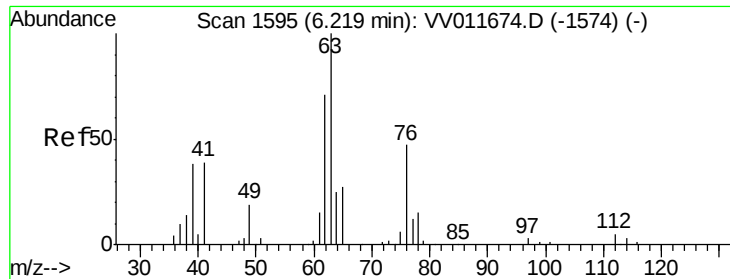


Abundance Ion 83.15 (82.85 to 83.85): VV011677.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV011677.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV011677.D (-1487) (-)

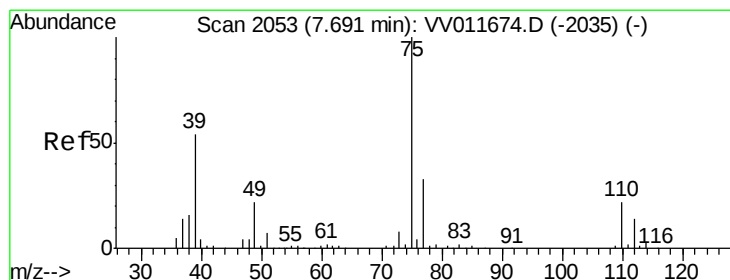
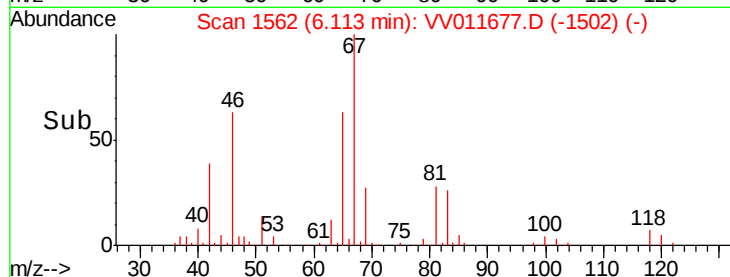
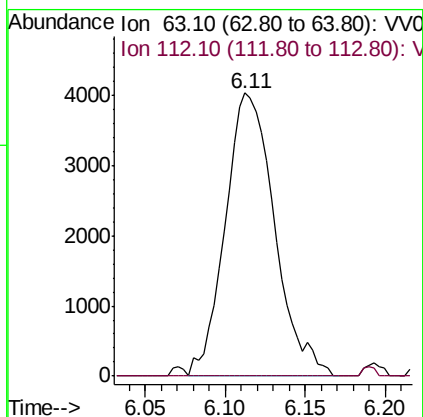
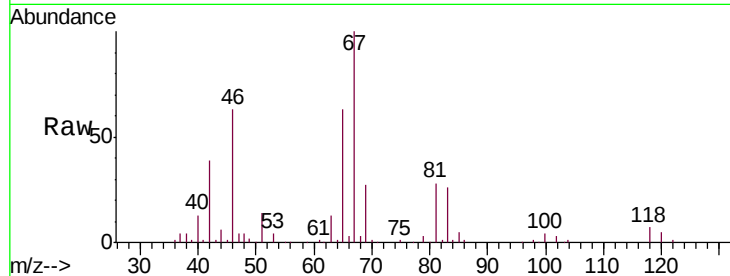




#37
 1,2-Dichloropropane
 Concen: 0.651 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV011677.D
 Acq: 21 Jun 2019 11:56

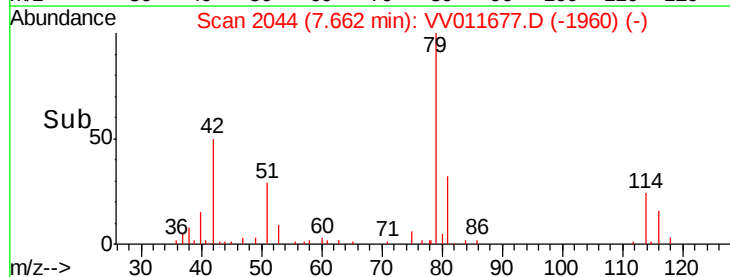
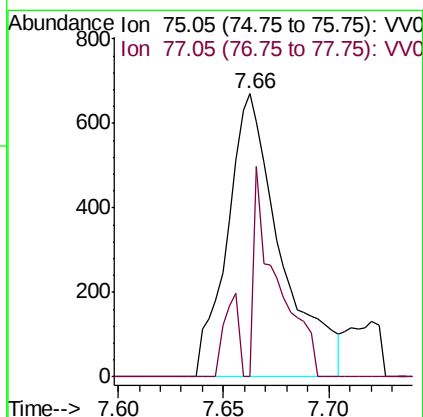
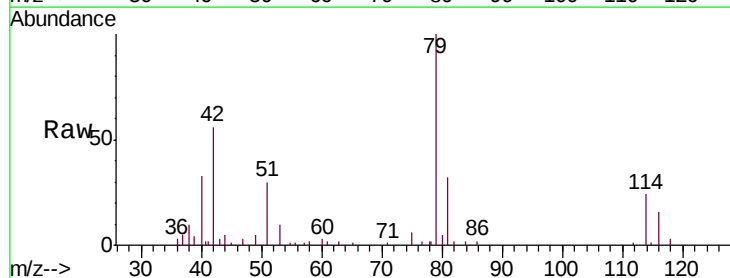
Instrument :
 MSVOA_V
 ClientSampled :
 BFC9

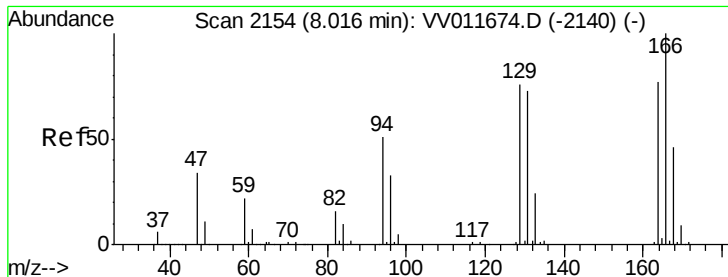
Tgt Ion: 63 Resp: 8495
 Ion Ratio Lower Upper
 63 100
 112 0.9 3.4 5.2#



#44
 trans-1,3-Dichloropropene
 Concen: 0.093 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV011677.D
 Acq: 21 Jun 2019 11:56

Tgt Ion: 75 Resp: 1178
 Ion Ratio Lower Upper
 75 100
 77 0.0 22.7 42.1#





#47

Tetrachloroethene

Concen: 0.695 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV011677.D

Acq: 21 Jun 2019 11:56

Instrument :

MSVOA_V

ClientSampleId :

BFC9

Tgt Ion:164 Resp: 7061

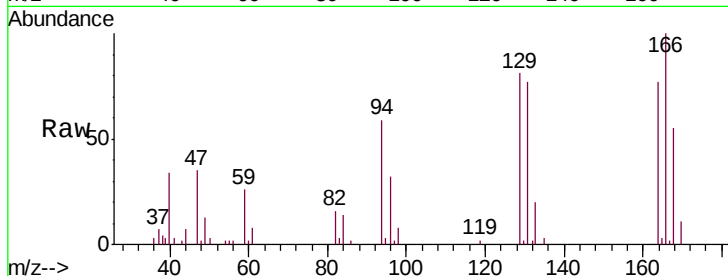
Ion Ratio Lower Upper

164 100

129 104.2 69.7 129.5

131 99.2 64.6 120.0

166 129.3 86.4 160.4

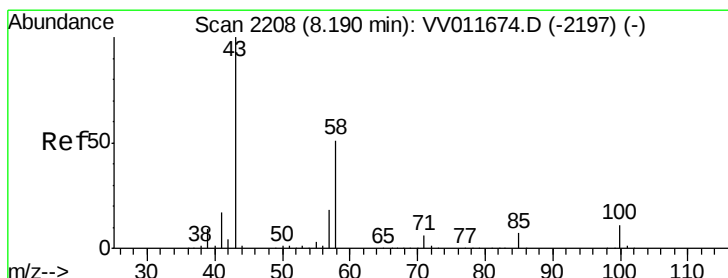
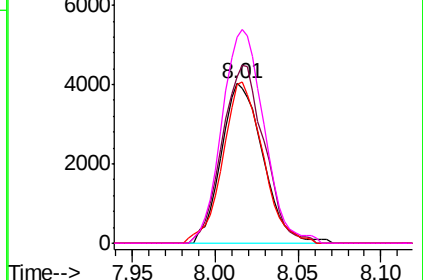
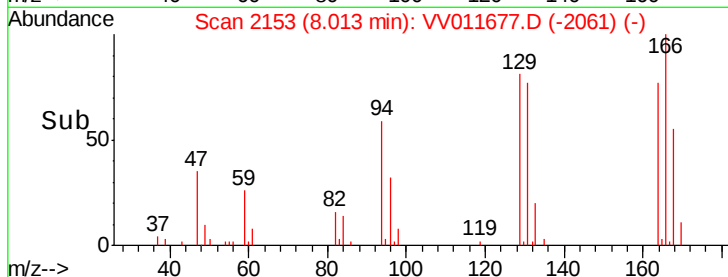


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.487 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.05 min

Lab File: VV011677.D

Acq: 21 Jun 2019 11:56

Tgt Ion: 43 Resp: 14325

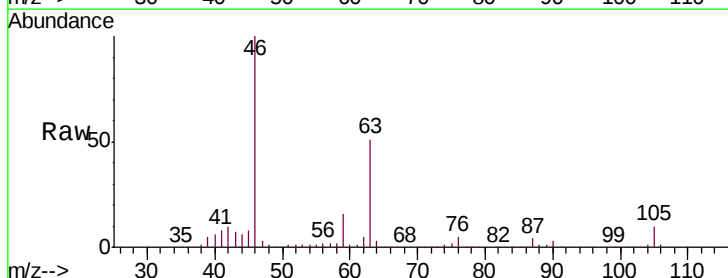
Ion Ratio Lower Upper

43 100

58 29.2 40.1 60.1#

57 32.2 14.4 21.6#

100 1.0 8.6 12.8#

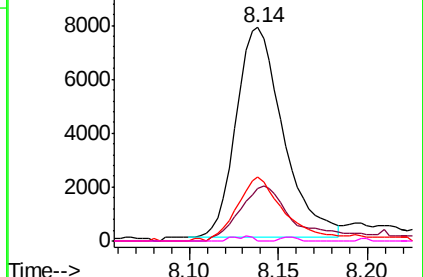
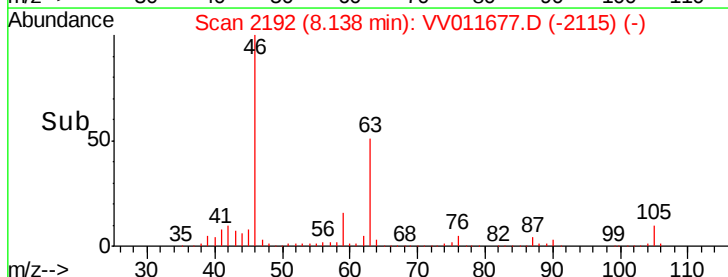


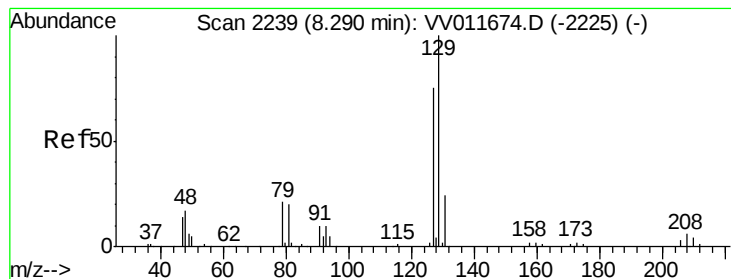
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.910 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV011677.D

Acq: 21 Jun 2019 11:56

Instrument :

MSVOA_V

ClientSampleId :

BFC9

Tgt Ion:129 Resp: 7580

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#

