

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062019\
 Data File : VV011624.D
 Acq On : 19 Jun 2019 18:07
 Operator : SY/MD
 Sample : K3381-14DL 5X
 Misc : 25ML/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCQ4DL

Quant Time: Jun 20 02:11:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 20 02:04:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	157229	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	143045	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	57160	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59906	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	1.57	69	38305	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.12	63	102004	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.20%
20) 2-Butanone-d5	3.95	46	153408	45.93	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.86%
24) Chloroform-d	4.40	84	107545	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.08	65	63811	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.10	84	228936	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
36) 1,2-Dichloropropane-d6	6.12	67	70115	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.36	98	197265	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	7.66	79	21360	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.14	63	112150	43.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	47082	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	62612	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1987	0.131 ug/L	85
5) Vinyl chloride	1.32	62	1201	0.080 ug/L #	1
6) Bromomethane	1.53	94	1362	0.217 ug/L	93
8) Chloroethane	1.61	64	5806	0.799 ug/L #	60
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1188	0.126 ug/L #	33
12) 1,1-Dichloroethene	2.13	96	22328	2.283 ug/L #	42
13) Acetone	2.20	43	3639	1.617 ug/L	89
19) 1,1-Dichloroethane	3.23	63	150251	6.569 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	46690	3.727 ug/L	95
25) Chloroform	4.42	83	5707	0.249 ug/L	93
29) 1,1,1-Trichloroethane	4.65	97	19989	1.123 ug/L	98
31) Carbon tetrachloride	4.65	117	2675	0.186 ug/L	89
34) Trichloroethene	5.96	95	5652	0.474 ug/L	92
35) Methylcyclohexane	6.12	83	17178	1.011 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	8110	0.652 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	2061	0.132 ug/L #	83
44) trans-1,3-Dichloropropene	7.66	75	1212	0.101 ug/L	84

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Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BFCQ4DL

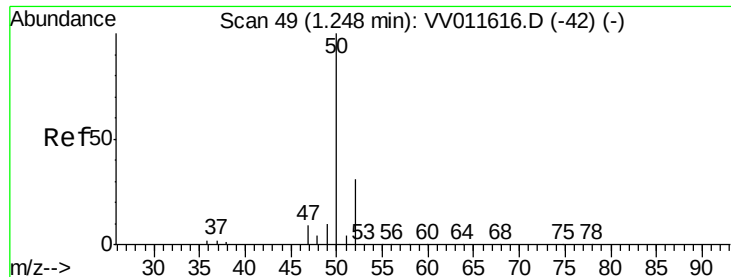
Quant Time: Jun 20 02:11:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 20 02:04:09 2019
Response via : Initial Calibration

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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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV062019\
Data File : VV011624.D
Acq On    : 19 Jun 2019   18:07
Operator  : SY/MD
Sample    : K3381-14DL 5X
Misc      : 25ML/MSVOA_V/WATER
ALS Vial  : 11      Sample Multiplier: 1
```



#3

Chloromethane

Concen: 0.131 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011624.D

Acq: 19 Jun 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

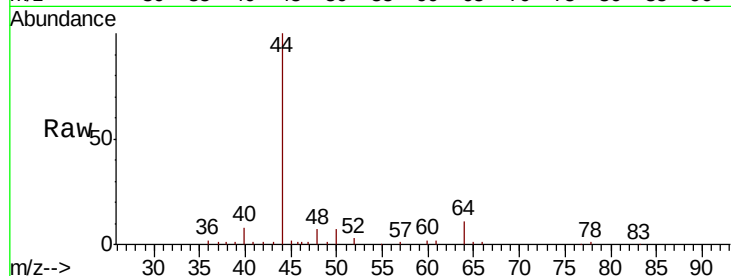
BFCQ4DL

Tgt Ion: 50 Resp: 1987

Ion Ratio Lower Upper

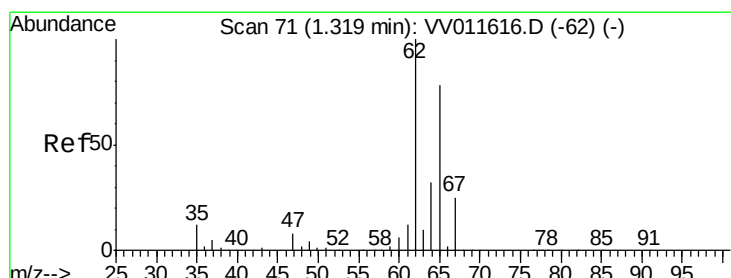
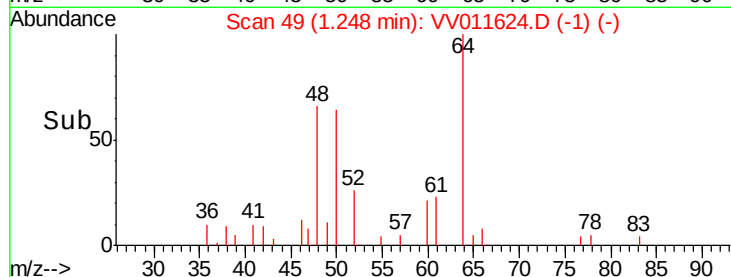
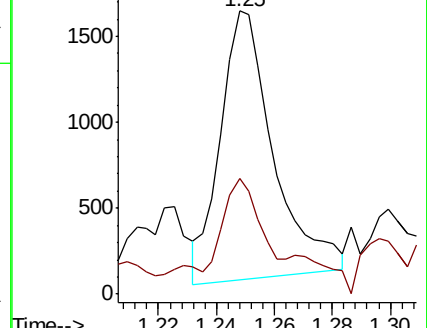
50 100

52 40.7 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV011616.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV011616.D (-42) (-)



#5

Vinyl chloride

Concen: 0.080 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011624.D

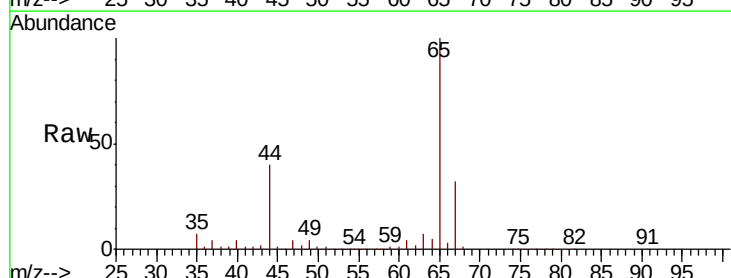
Acq: 19 Jun 2019 18:07

Tgt Ion: 62 Resp: 1201

Ion Ratio Lower Upper

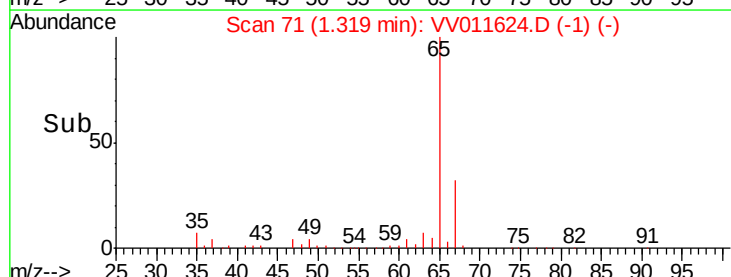
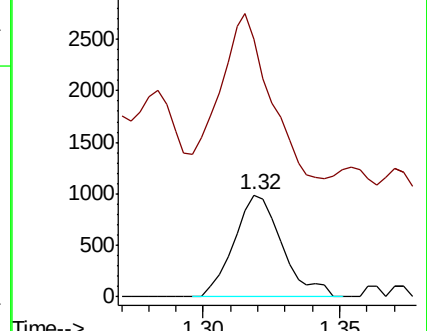
62 100

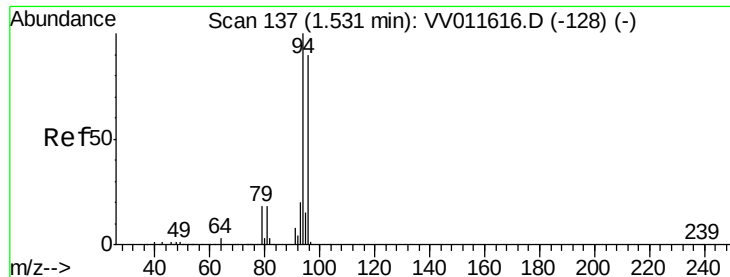
64 253.3 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VV011616.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV011616.D (-62) (-)





#6

Bromomethane

Concen: 0.217 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV011624.D

Acq: 19 Jun 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

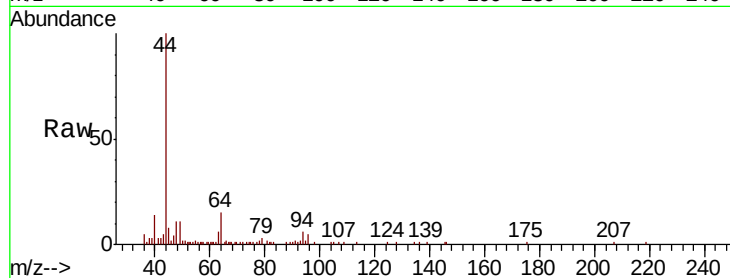
BFCQ4DL

Tgt Ion: 94 Resp: 1362

Ion Ratio Lower Upper

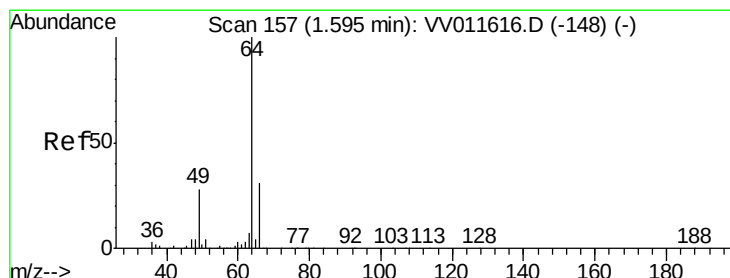
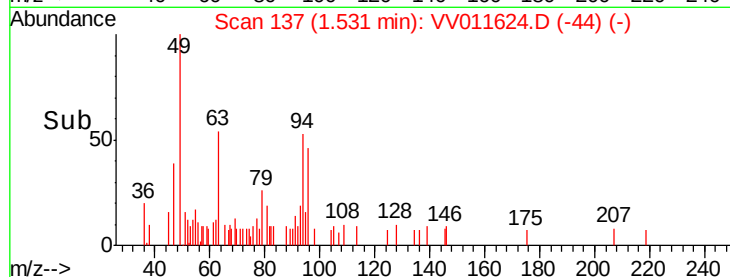
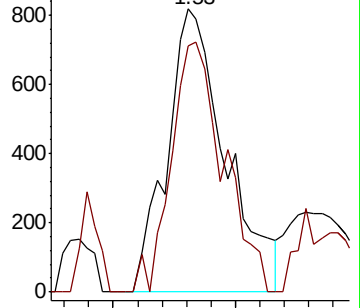
94 100

96 87.0 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



#8

Chloroethane

Concen: 0.799 ug/L

RT: 1.61 min Scan# 162

Delta R.T. 0.02 min

Lab File: VV011624.D

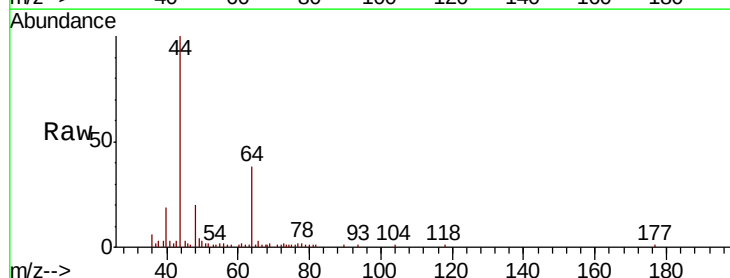
Acq: 19 Jun 2019 18:07

Tgt Ion: 64 Resp: 5806

Ion Ratio Lower Upper

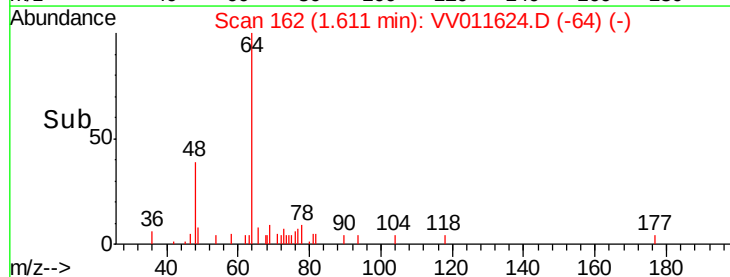
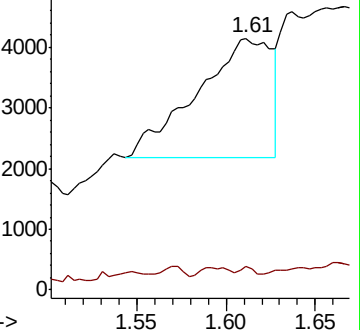
64 100

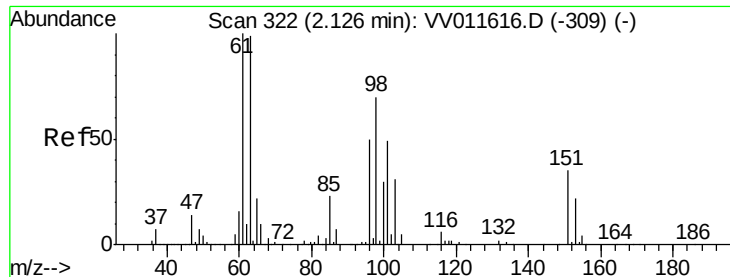
66 9.2 21.6 40.2#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.126 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV011624.D

Acq: 19 Jun 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

BFCQ4DL

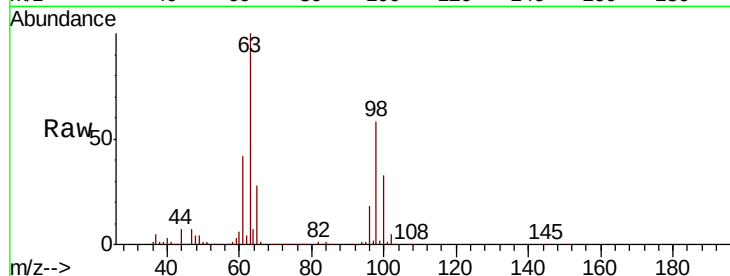
Tgt Ion: 101 Resp: 1188

Ion Ratio Lower Upper

101 100

85 12.9 37.3 55.9#

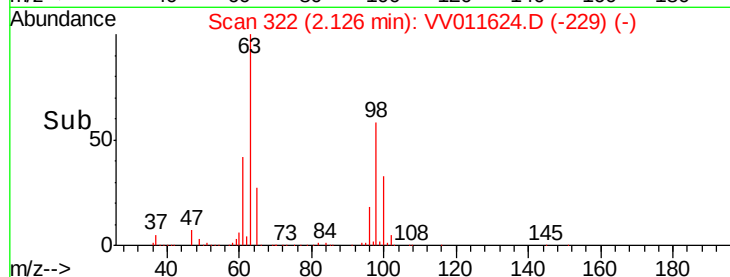
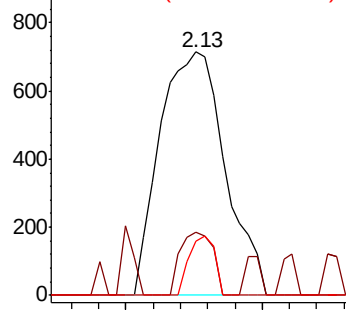
151 9.4 59.4 89.2#



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: 2.283 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011624.D

Acq: 19 Jun 2019 18:07

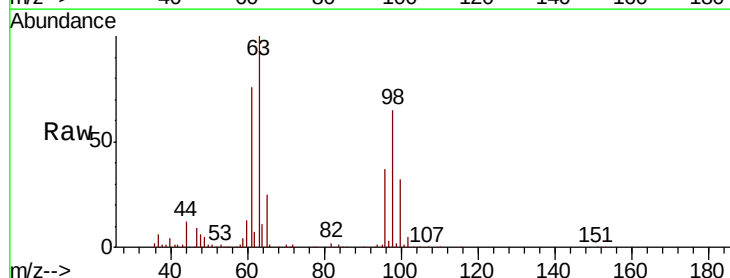
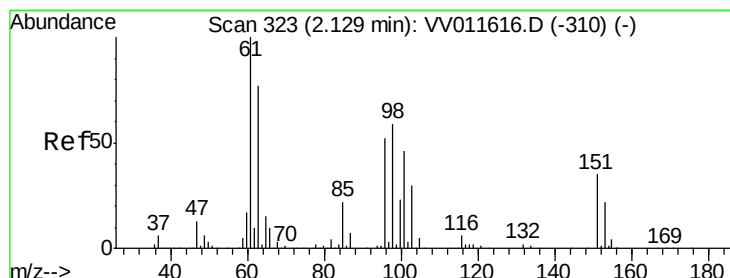
Tgt Ion: 96 Resp: 22328

Ion Ratio Lower Upper

96 100

61 208.7 135.9 252.5

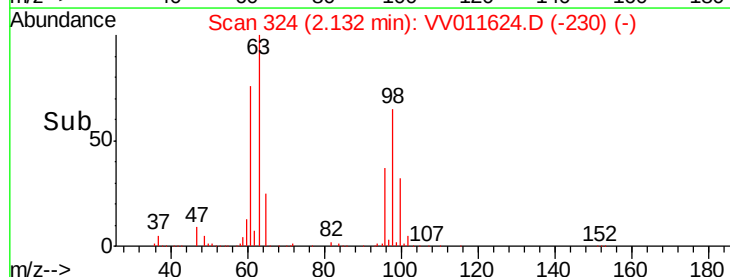
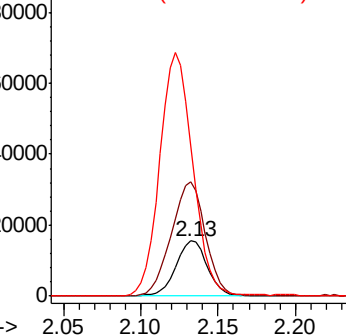
63 273.5 86.2 160.2#

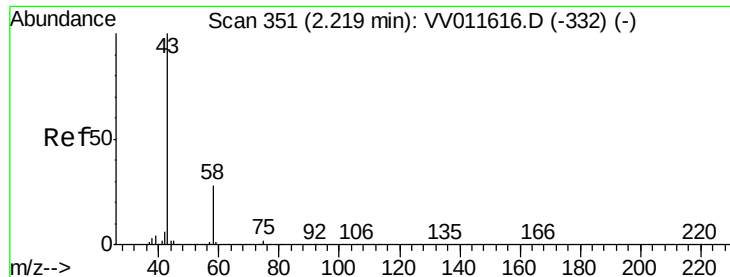


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.617 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.02 min

Lab File: VV011624.D

Acq: 19 Jun 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

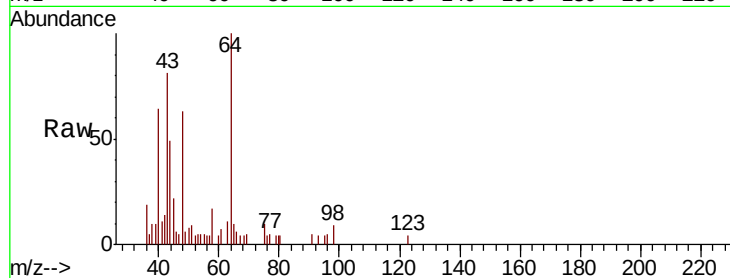
BFCQ4DL

Tgt Ion: 43 Resp: 3639

Ion Ratio Lower Upper

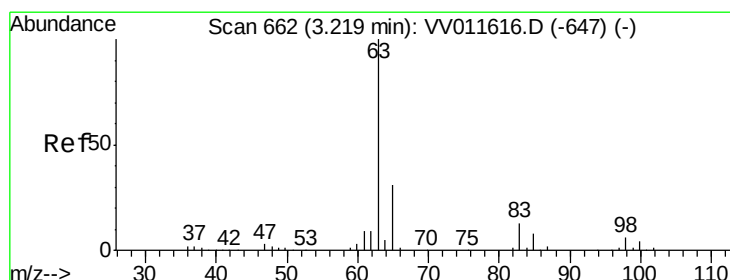
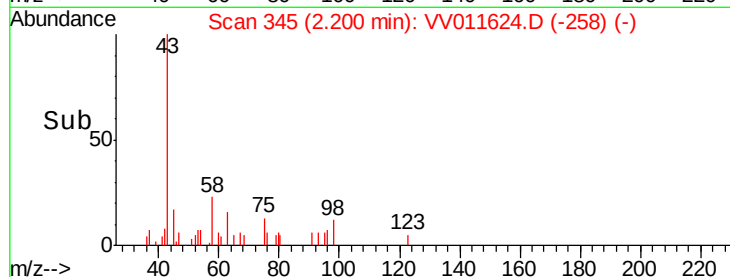
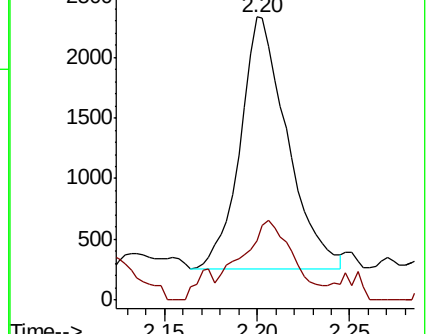
43 100

58 34.9 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#19

1,1-Dichloroethane

Concen: 6.569 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.01 min

Lab File: VV011624.D

Acq: 19 Jun 2019 18:07

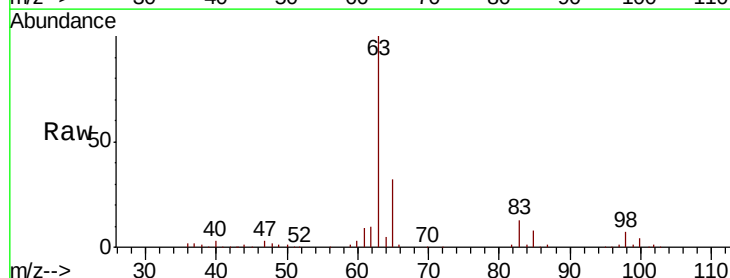
Tgt Ion: 63 Resp: 150251

Ion Ratio Lower Upper

63 100

65 32.4 22.5 41.9

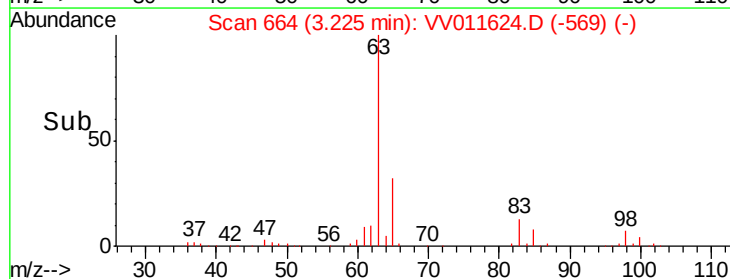
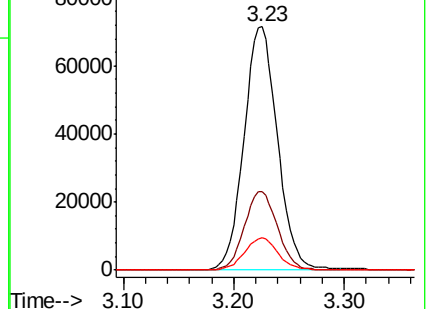
83 13.1 10.1 18.9

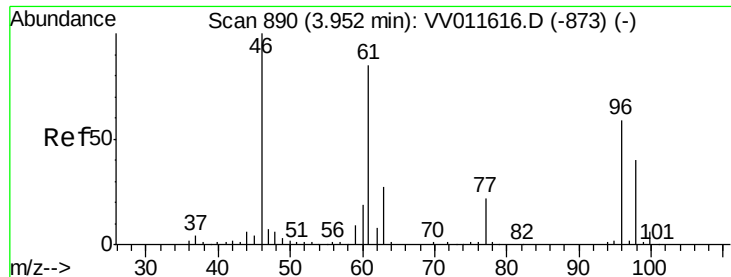


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



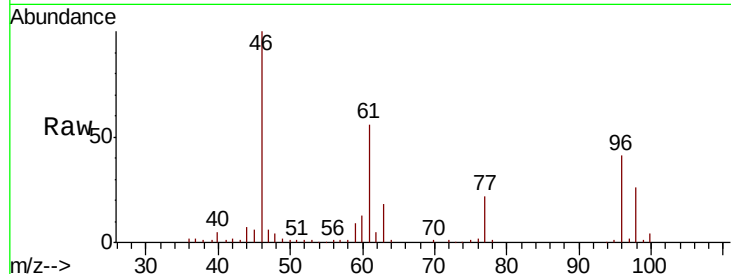


#22

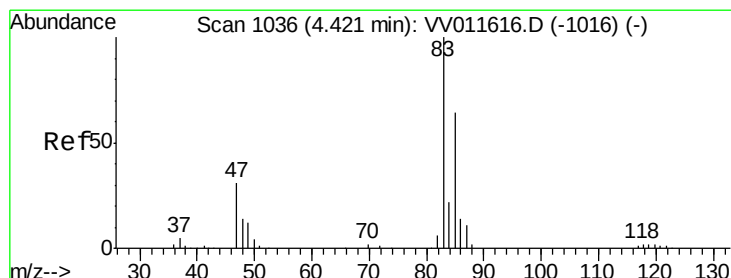
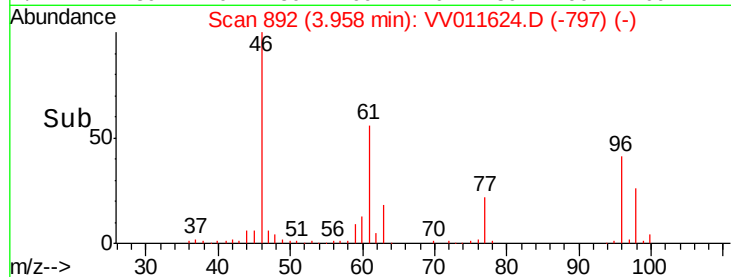
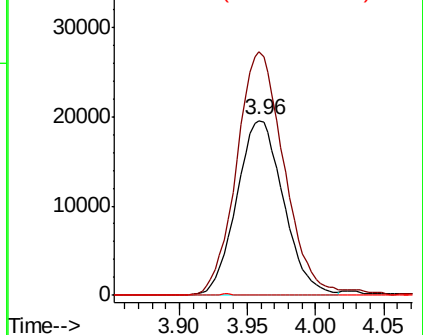
cis-1,2-Dichloroethene
 Concen: 3.727 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VV011624.D
 Acq: 19 Jun 2019 18:07

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCQ4DL

Tgt Ion: 96 Resp: 46690
 Ion Ratio Lower Upper
 96 100
 61 139.1 102.2 189.8
 68 0.0 0.0 0.0



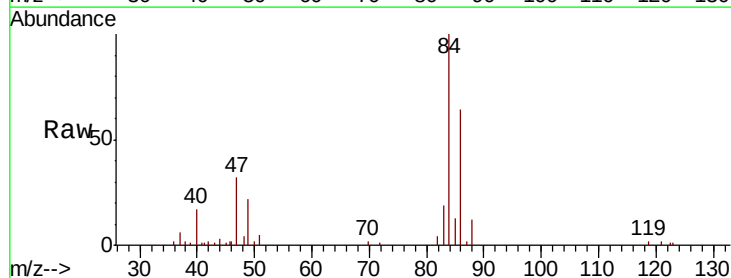
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



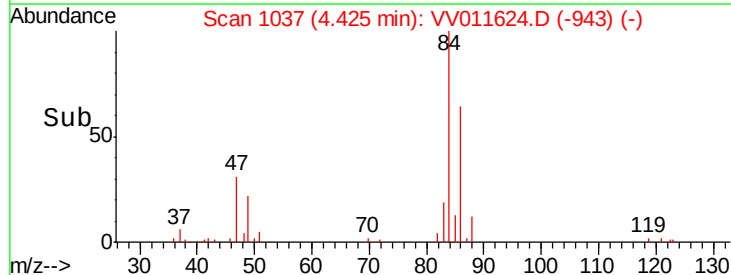
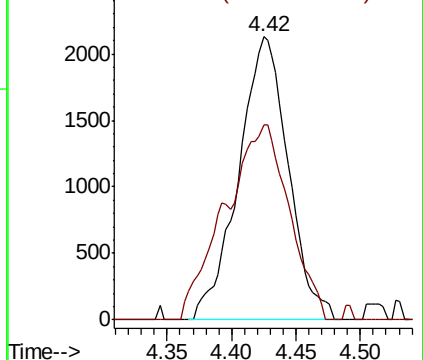
#25

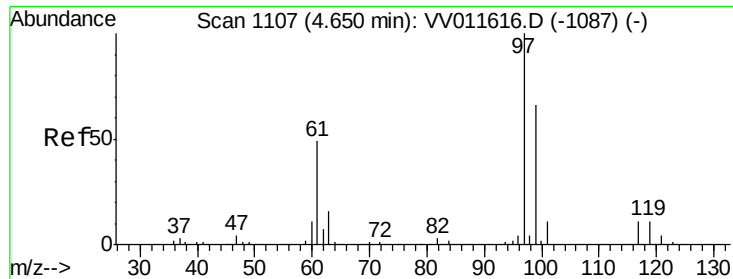
Chloroform
 Concen: 0.249 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV011624.D
 Acq: 19 Jun 2019 18:07

Tgt Ion: 83 Resp: 5707
 Ion Ratio Lower Upper
 83 100
 85 68.8 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0

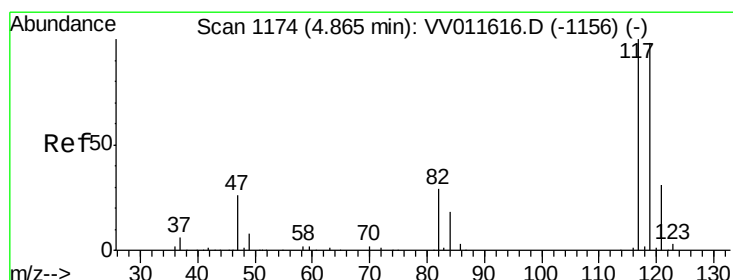
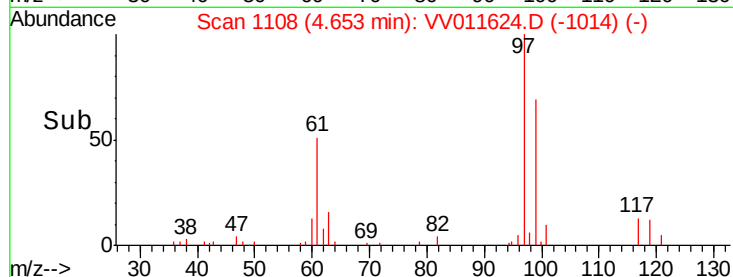
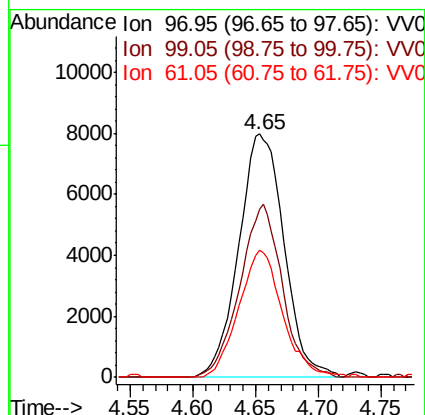
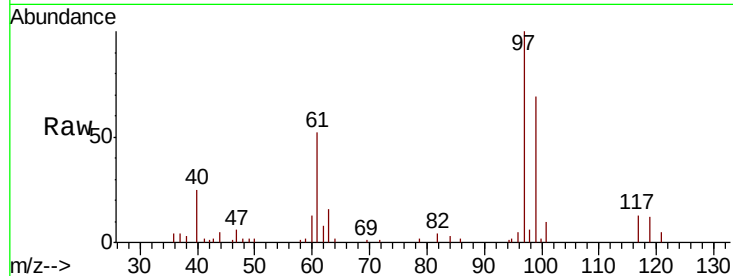




#29
 1,1,1-Trichloroethane
 Concen: 1.123 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV011624.D
 Acq: 19 Jun 2019 18:07

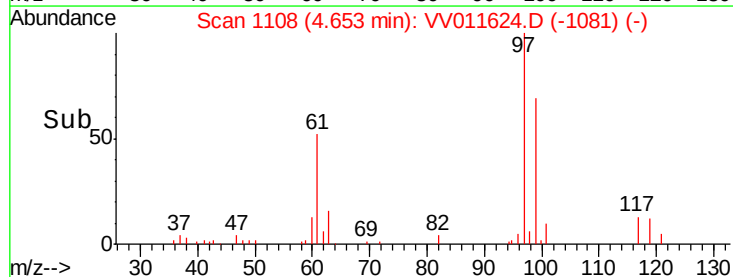
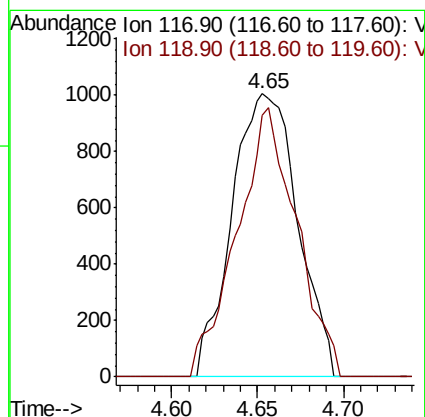
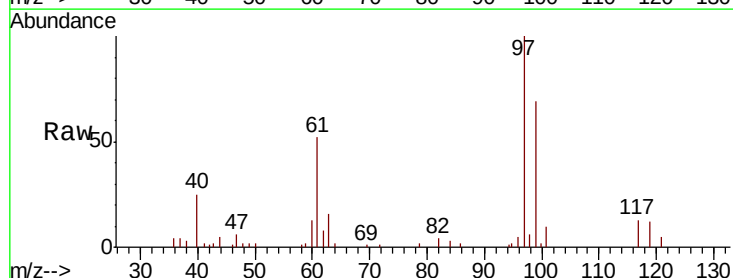
Instrument :
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 BFCQ4DL

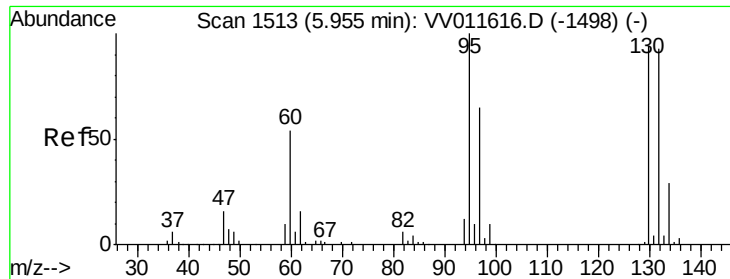
Tgt Ion: 97 Resp: 19989
 Ion Ratio Lower Upper
 97 100
 99 66.5 51.6 77.4
 61 50.4 40.4 60.6



#31
 Carbon tetrachloride
 Concen: 0.186 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.21 min
 Lab File: VV011624.D
 Acq: 19 Jun 2019 18:07

Tgt Ion: 117 Resp: 2675
 Ion Ratio Lower Upper
 117 100
 119 86.1 77.4 116.2





#34

Trichloroethene

Concen: 0.474 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV011624.D

Acq: 19 Jun 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

BFCQ4DL

Tgt Ion: 95 Resp: 5652

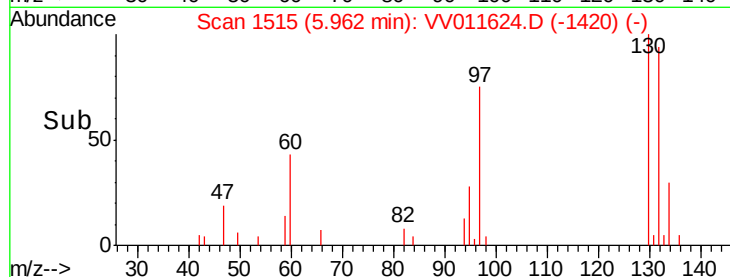
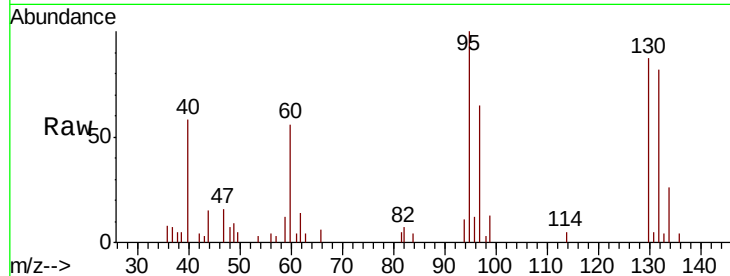
Ion Ratio Lower Upper

95 100

97 65.3 44.4 82.4

132 81.8 63.5 117.9

130 87.5 68.5 127.3

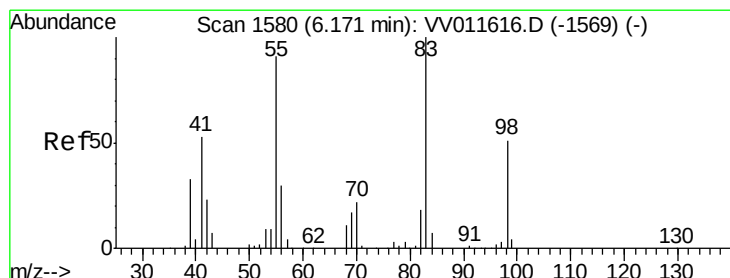
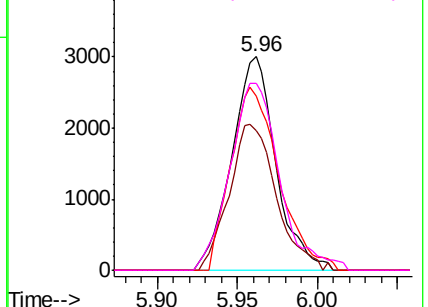


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 1.011 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011624.D

Acq: 19 Jun 2019 18:07

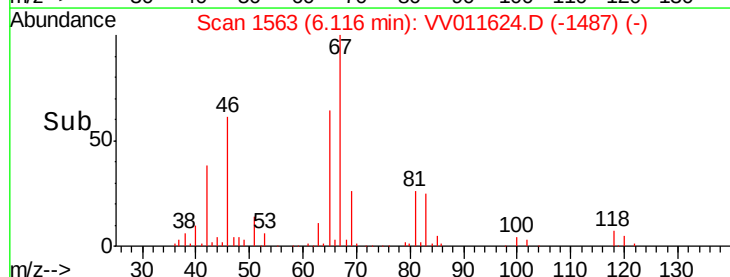
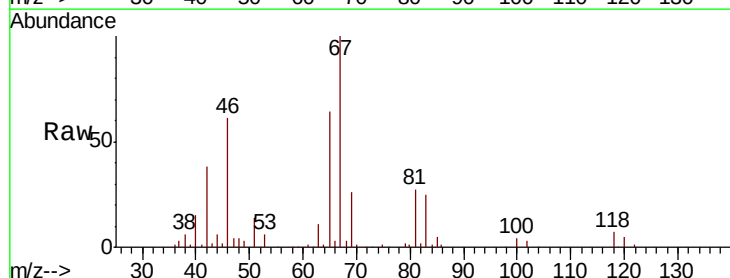
Tgt Ion: 83 Resp: 17178

Ion Ratio Lower Upper

83 100

55 0.9 67.9 101.9#

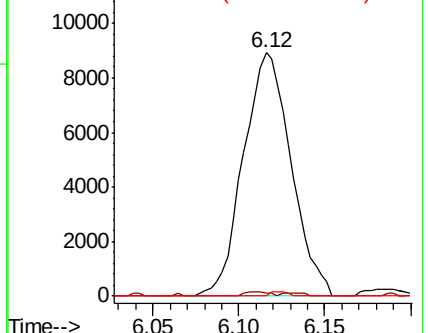
98 0.7 39.6 59.4#

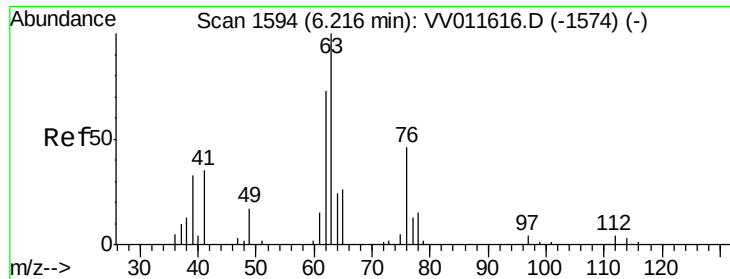


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

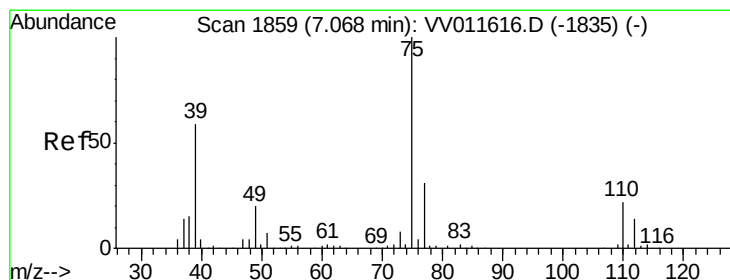
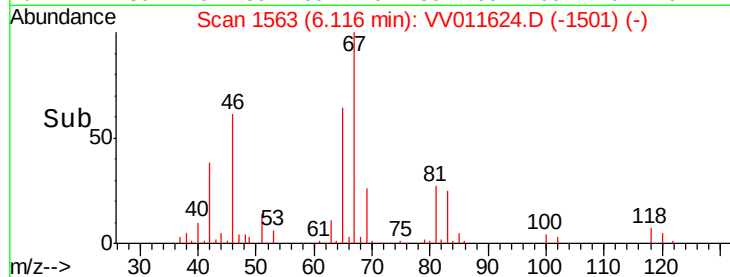
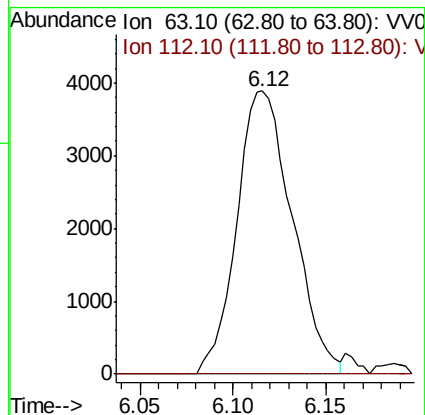
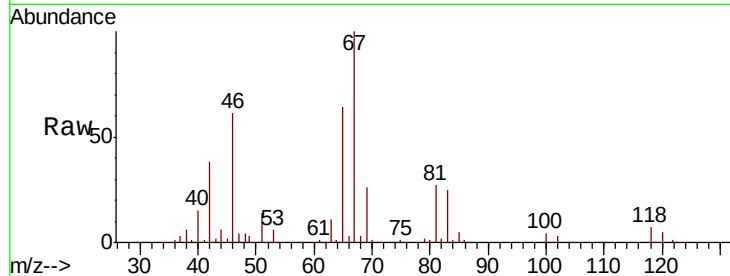




#37
 1,2-Dichloropropane
 Concen: 0.652 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011624.D
 Acq: 19 Jun 2019 18:07

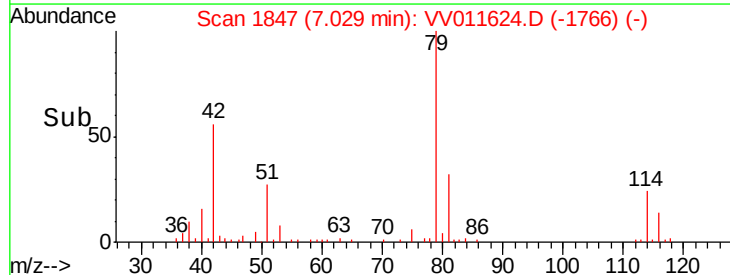
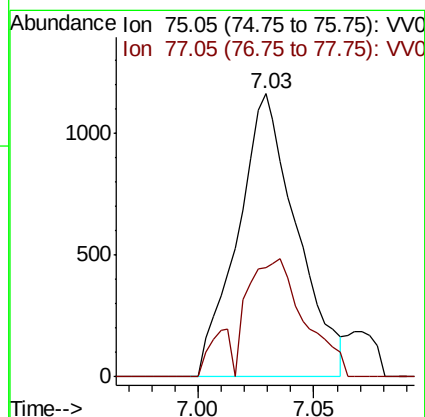
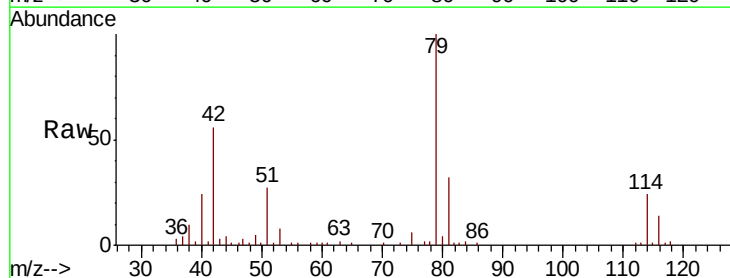
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCQ4DL

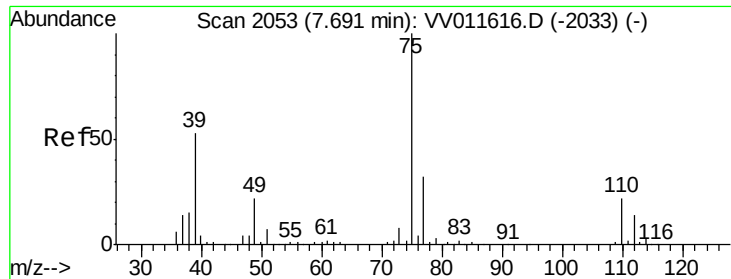
Tgt Ion: 63 Resp: 8110
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.132 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011624.D
 Acq: 19 Jun 2019 18:07

Tgt Ion: 75 Resp: 2061
 Ion Ratio Lower Upper
 75 100
 77 38.4 20.6 38.4#





#44

trans-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011624.D

Acq: 19 Jun 2019 18:07

Instrument :

MSVOA_V

ClientSampleId :

BFCQ4DL

Tgt Ion: 75 Resp: 1212

Ion Ratio Lower Upper

75 100

77 41.7 22.8 42.4

