

Data File : VV011560.D
Acq On : 17 Jun 2019 19:37
Operator : SY/MD
Sample : K3289-14
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCL1

Quant Time: Jun 18 08:46:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 18 08:42:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	177439	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	164697	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65320	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	45105	3.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.40%
7) Chloroethane-d5	1.58	69	38280	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.12	63	75239	2.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.00%#
20) 2-Butanone-d5	3.96	46	189641	50.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.62%
24) Chloroform-d	4.40	84	112332	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.08	65	67111	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.09	84	219276	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.12	67	71301	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.36	98	181491	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	7.66	79	21114	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
46) 2-Hexanone-d5	8.14	63	141129	47.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.24%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	51183	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	63566	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

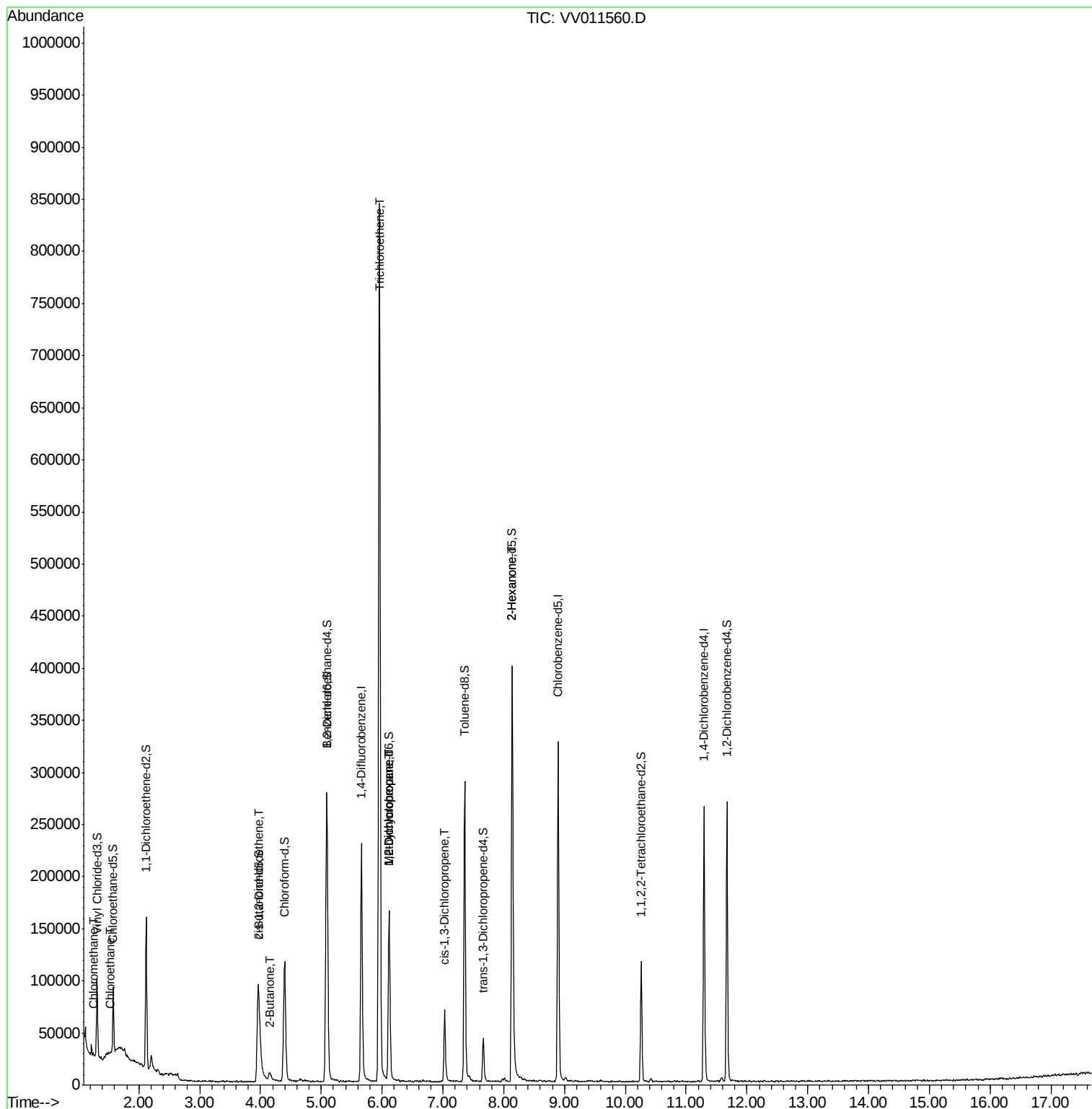
						Qvalue
3) Chloromethane	1.25	50	1857	0.108	ug/L	93
8) Chloroethane	1.52	64	1337	0.163	ug/L #	53
21) 2-Butanone	4.15	43	12190	3.033	ug/L #	53
22) cis-1,2-Dichloroethene	3.96	96	5101	0.361	ug/L	87
34) Trichloroethene	5.96	95	283620	20.675	ug/L	99
35) Methylcyclohexane	6.12	83	17409	0.890	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	9372	0.655	ug/L #	90
39) cis-1,3-Dichloropropene	7.03	75	2163	0.120	ug/L #	81
48) 2-Hexanone	8.14	43	19615	2.733	ug/L #	71

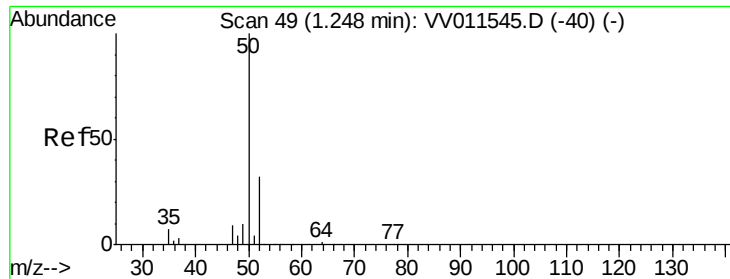
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.108 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011560.D

Acq: 17 Jun 2019 19:37

Instrument :

MSVOA_V

ClientSampleId :

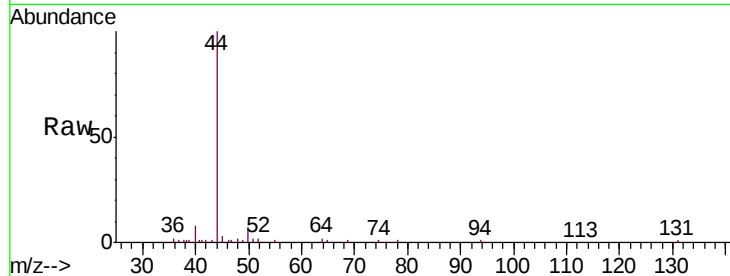
BFCL1

Tgt Ion: 50 Resp: 1857

Ion Ratio Lower Upper

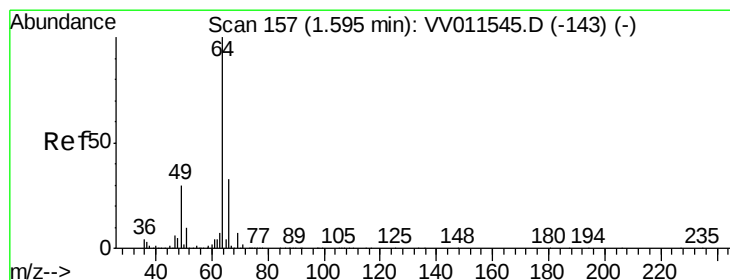
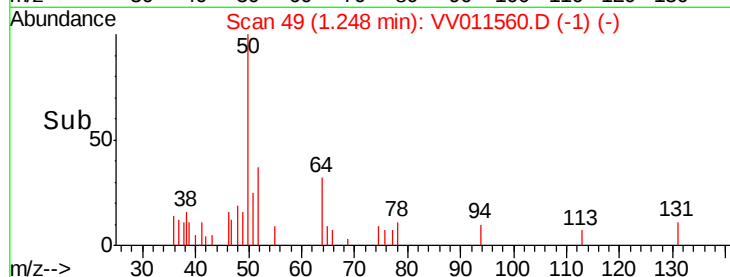
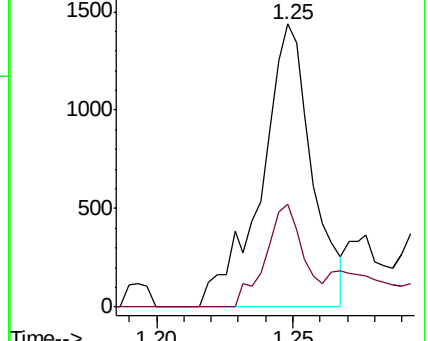
50 100

52 36.5 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.163 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.08 min

Lab File: VV011560.D

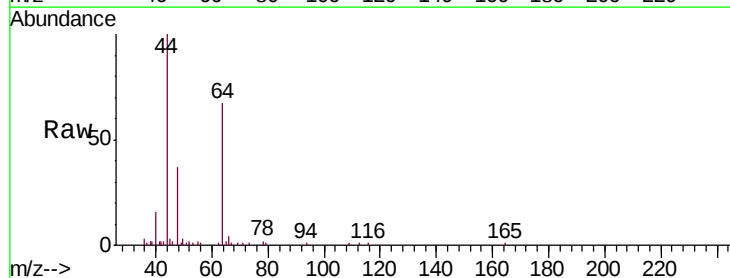
Acq: 17 Jun 2019 19:37

Tgt Ion: 64 Resp: 1337

Ion Ratio Lower Upper

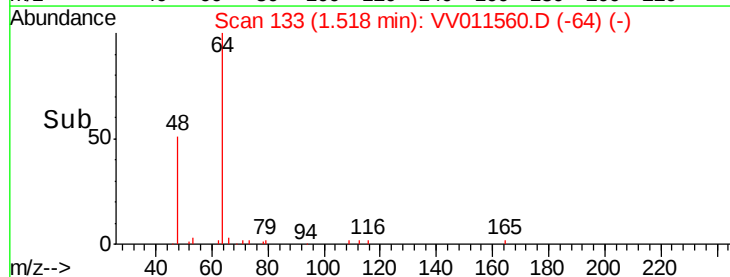
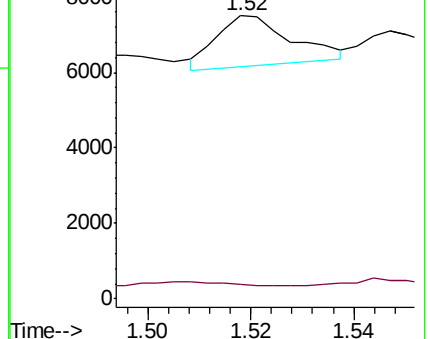
64 100

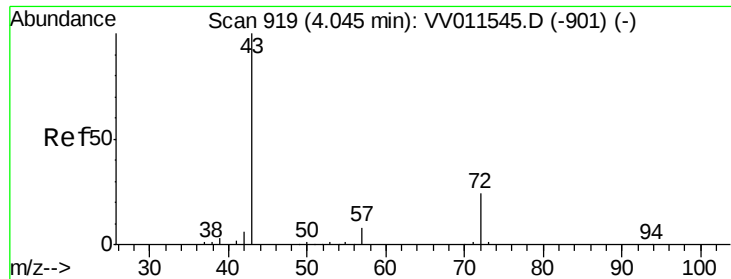
66 5.2 21.6 40.2#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#21

2-Butanone

Concen: 3.033 ug/L

RT: 4.15 min Scan# 952

Delta R.T. 0.11 min

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Instrument :

MSVOA_V

ClientSampleId :

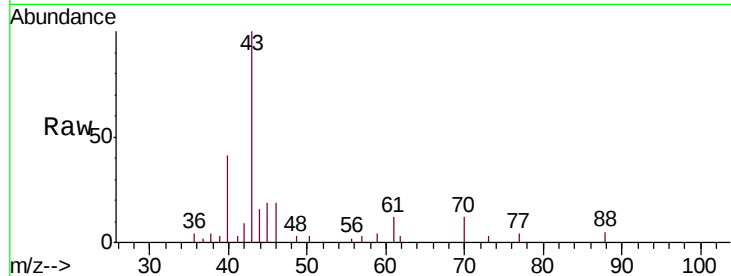
BFCL1

Tgt Ion: 43 Resp: 12190

Ion Ratio Lower Upper

43 100

72 0.5 11.8 35.4#



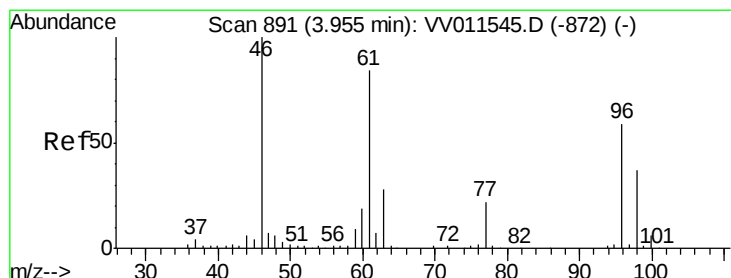
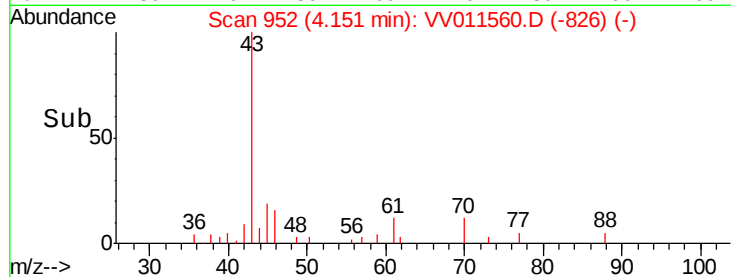
Abundance Ion 43.05 (42.75 to 43.75): VV011545.D (-901) (-)

Ion 72.10 (71.80 to 72.80): VV011545.D (-901) (-)

4.15

4.10 4.15 4.20 4.25

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.361 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV011560.D

Acq: 17 Jun 2019 19:37

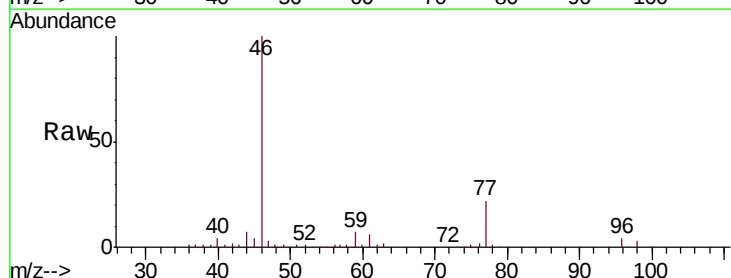
Tgt Ion: 96 Resp: 5101

Ion Ratio Lower Upper

96 100

61 130.4 102.2 189.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV011545.D (-872) (-)

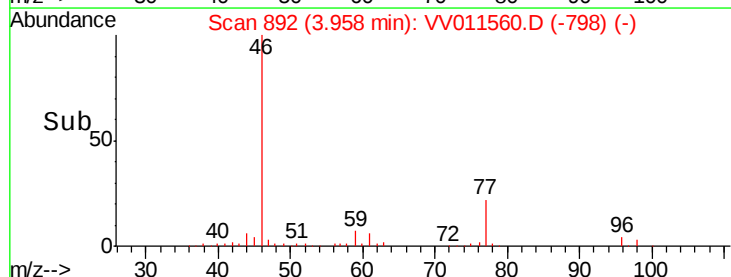
Ion 61.05 (60.75 to 61.75): VV011545.D (-872) (-)

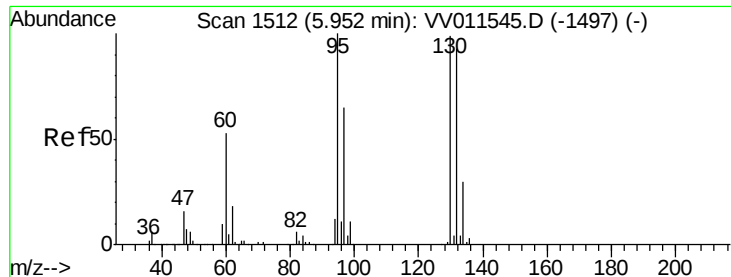
Ion 68.15 (67.85 to 68.85): VV011545.D (-872) (-)

3.96

3.90 3.95 4.00 4.05

Time-->

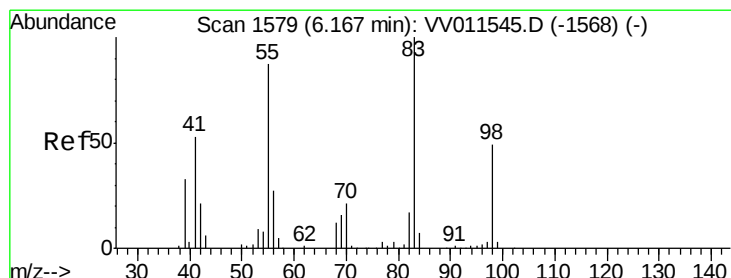
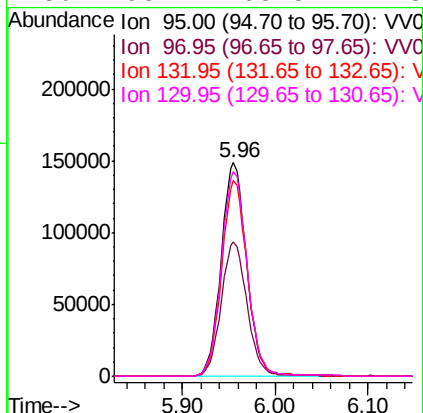
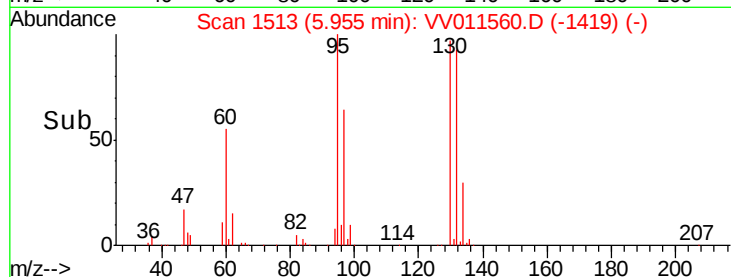
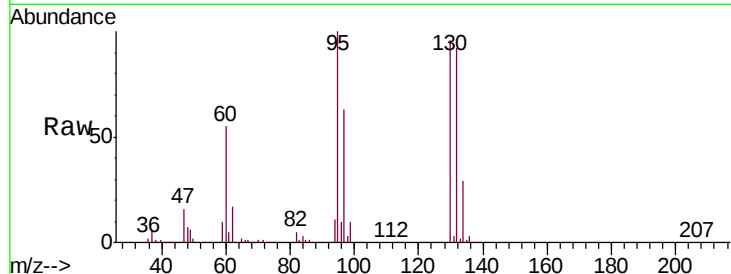




#34
 Trichloroethene
 Concen: 20.675 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV011560.D
 Acq: 17 Jun 2019 19:37

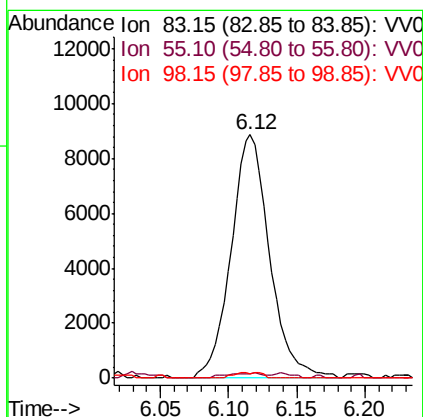
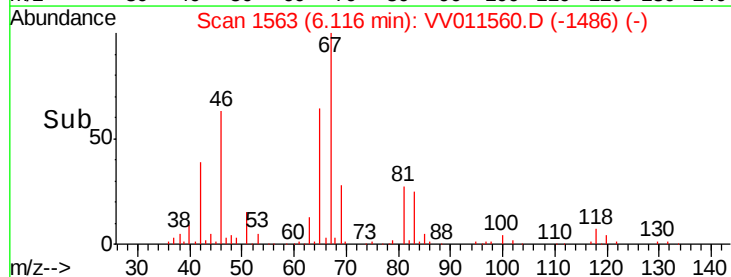
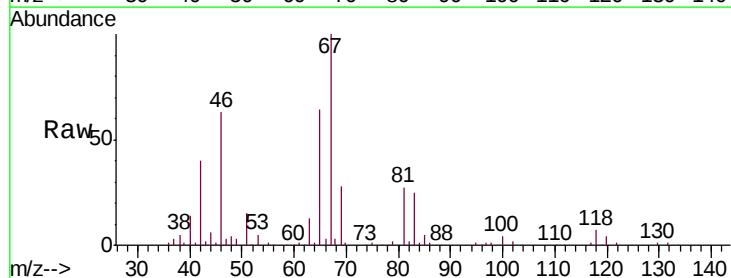
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL1

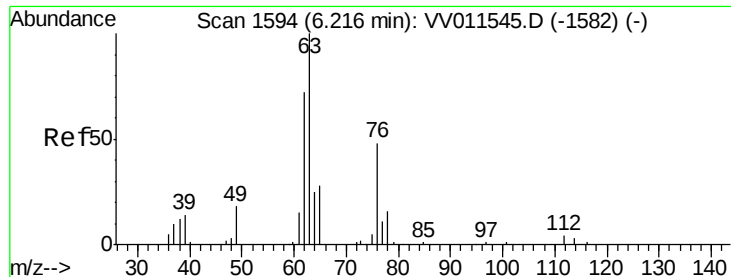
Tgt Ion	Ratio	Lower	Upper
95	100		
97	62.7	44.4	82.4
132	91.6	63.5	117.9
130	95.7	68.5	127.3



#35
 Methylcyclohexane
 Concen: 0.890 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.05 min
 Lab File: VV011560.D
 Acq: 17 Jun 2019 19:37

Tgt Ion	Ratio	Lower	Upper
83	100		
55	1.8	67.9	101.9#
98	0.0	39.6	59.4#

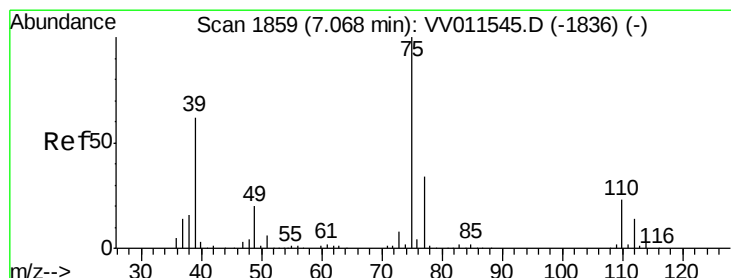
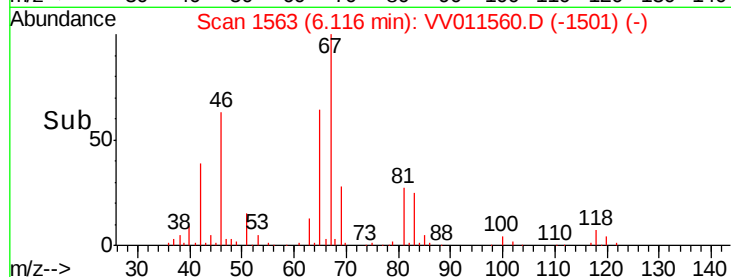
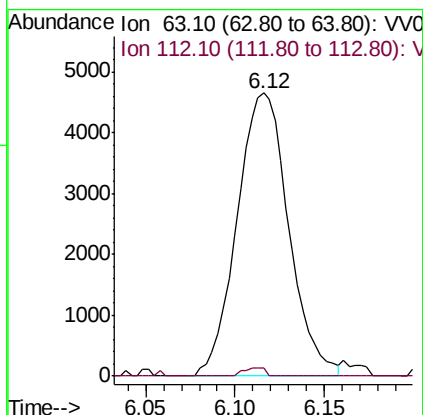
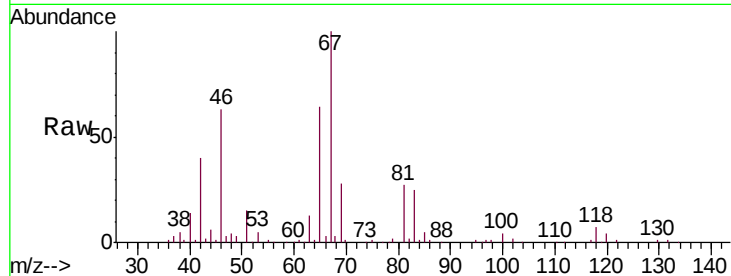




#37
 1,2-Dichloropropane
 Concen: 0.655 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011560.D
 Acq: 17 Jun 2019 19:37

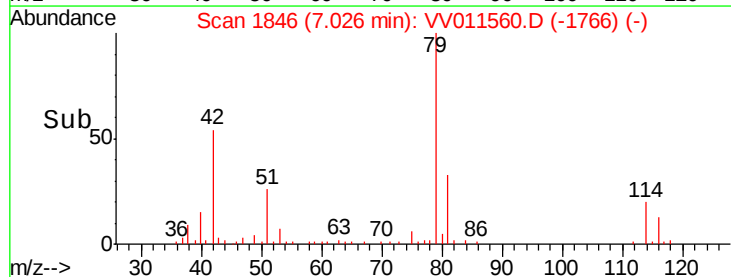
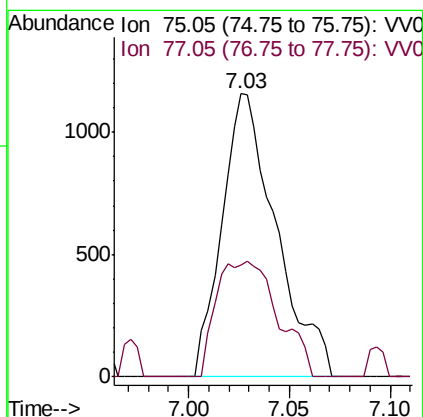
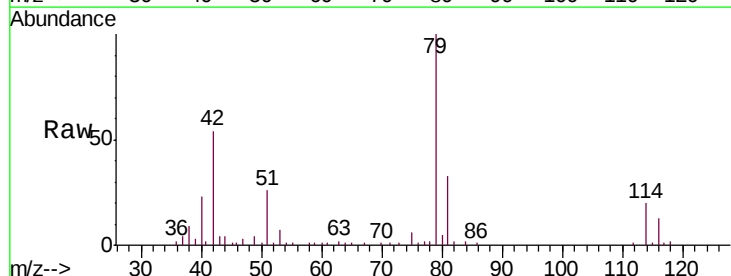
Instrument :
 MSVOA_V
 ClientSampled :
 BFCL1

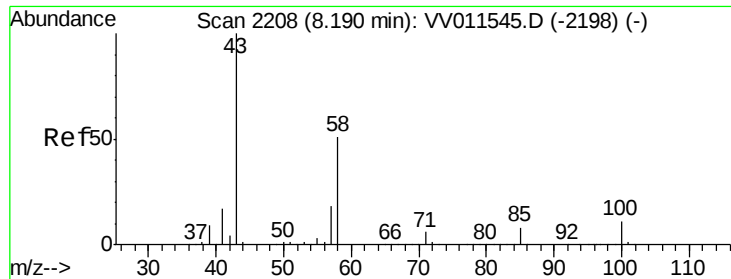
Tgt Ion: 63 Resp: 9372
 Ion Ratio Lower Upper
 63 100
 112 1.2 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.120 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV011560.D
 Acq: 17 Jun 2019 19:37

Tgt Ion: 75 Resp: 2163
 Ion Ratio Lower Upper
 75 100
 77 39.7 20.6 38.4#





#48

2-Hexanone

Concen: 2.733 ug/L

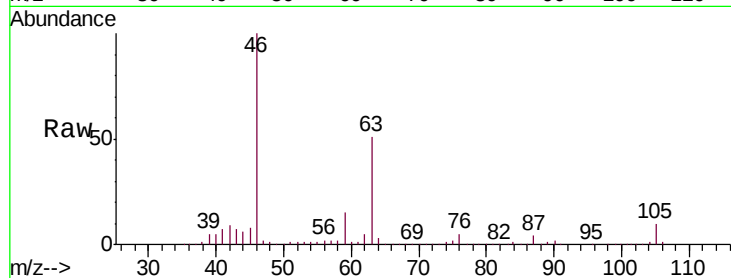
RT: 8.14 min Scan# 2192

Delta R.T. -0.05 min

Lab File: VV011560.D

Acq: 17 Jun 2019 19:37

Instrument :
MSVOA_V
ClientSampleId :
BFCL1



Tgt Ion:	43	Resp:	19615
Ion	Ratio	Lower	Upper
43	100		
58	27.4	40.6	60.8#
57	26.7	14.2	21.4#
100	2.1	8.6	12.8#

