

Data File : VV011453.D
Acq On : 13 Jun 2019 10:20
Operator : SY/MD
Sample : K3289-09 500X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCL5

Quant Time: Jun 14 04:02:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 03:57:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	137668	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	122643	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	46421	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	31420	3.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.20%
7) Chloroethane-d5	1.56	69	28005	3.23	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	64.60%#
11) 1,1-Dichloroethene-d2	2.12	63	64493	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	3.96	46	112123	47.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.48%
24) Chloroform-d	4.40	84	80443	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.08	65	46973	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.09	84	154998	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.11	67	49177	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.36	98	125373	3.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.40%
43) trans-1,3-Dichloropropene-	7.66	79	13019	3.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	60.40%
46) 2-Hexanone-d5	8.14	63	76489	42.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.06%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	32529	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	40502	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

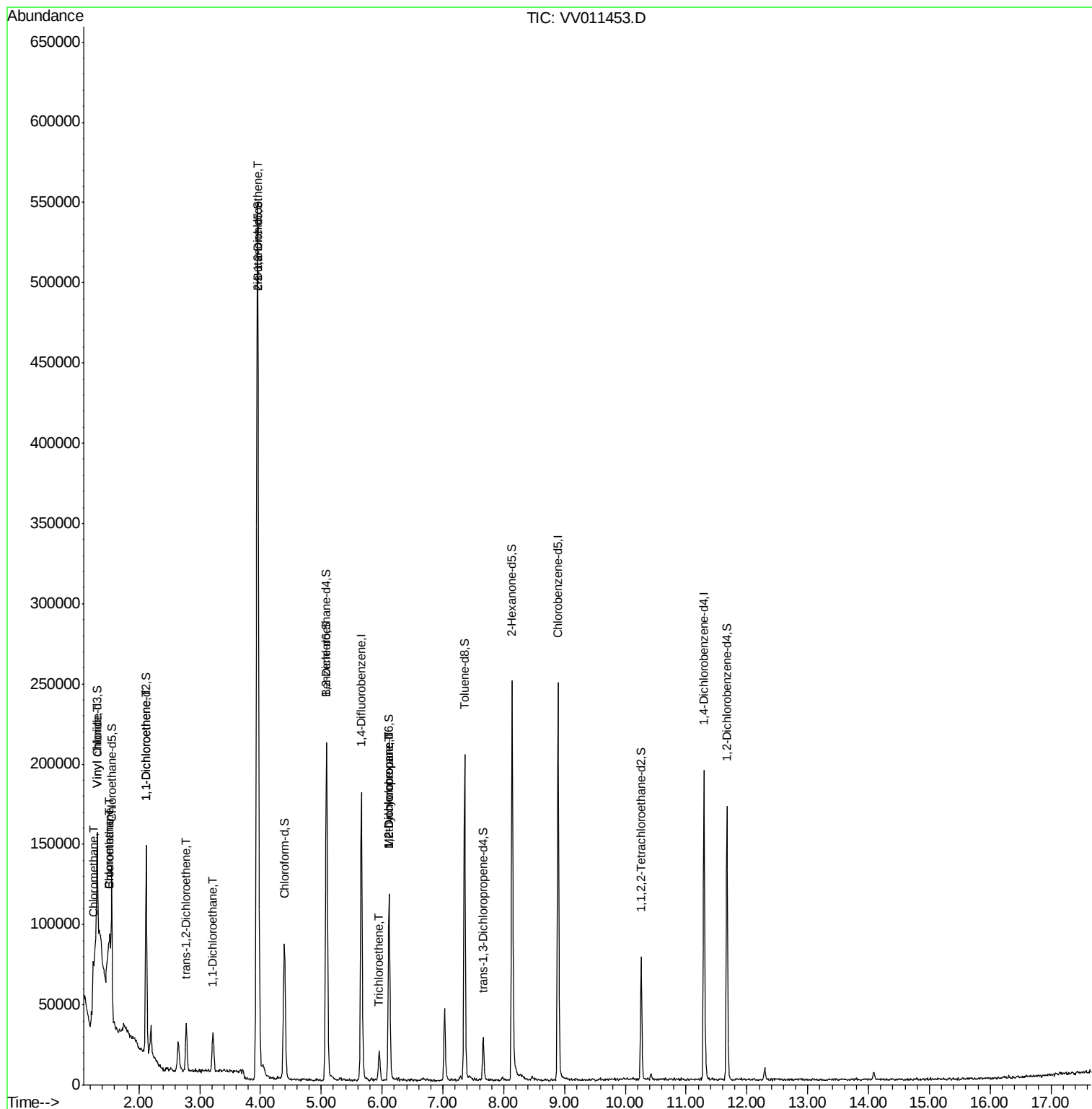
						Qvalue
3) Chloromethane	1.25	50	7376	0.562	ug/L	97
5) Vinyl chloride	1.32	62	9165	0.724	ug/L #	1
6) Bromomethane	1.52	94	1935	0.294	ug/L	96
8) Chloroethane	1.52	64	10636	1.314	ug/L #	57
12) 1,1-Dichloroethene	2.13	96	7794	0.899	ug/L #	1
18) trans-1,2-Dichloroethene	2.78	96	9794	1.009	ug/L	94
19) 1,1-Dichloroethane	3.22	63	24108	1.259	ug/L	99
22) cis-1,2-Dichloroethene	3.95	96	246967	22.963	ug/L	97
34) Trichloroethene	5.96	95	5164	0.512	ug/L	84
35) Methylcyclohexane	6.11	83	11775	0.706	ug/L #	15
37) 1,2-Dichloropropane	6.11	63	6529	0.672	ug/L #	87

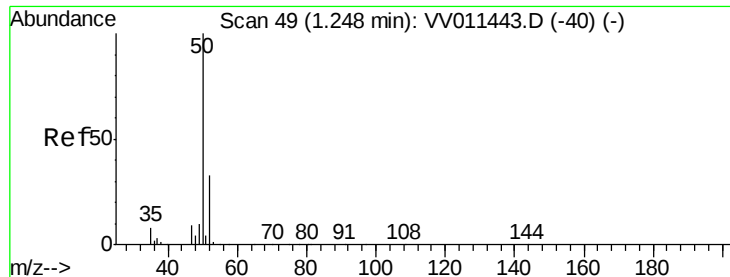
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.562 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011453.D

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Instrument :

MSVOA_V

ClientSampleId :

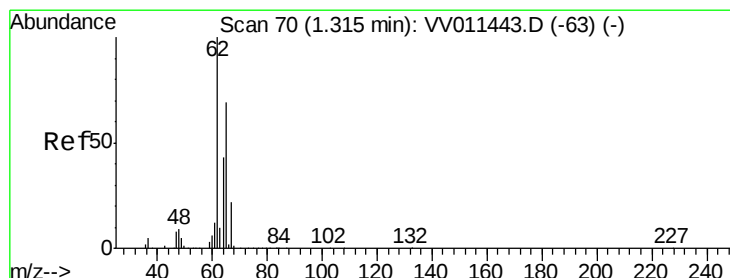
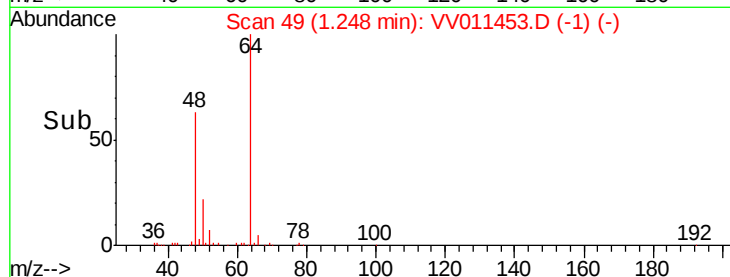
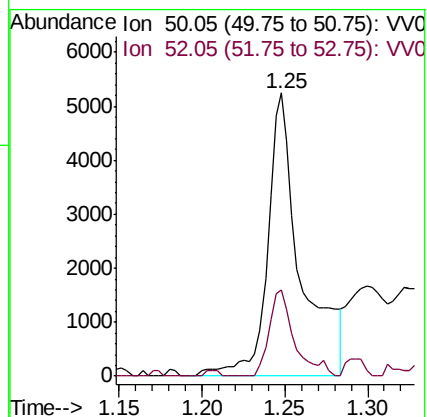
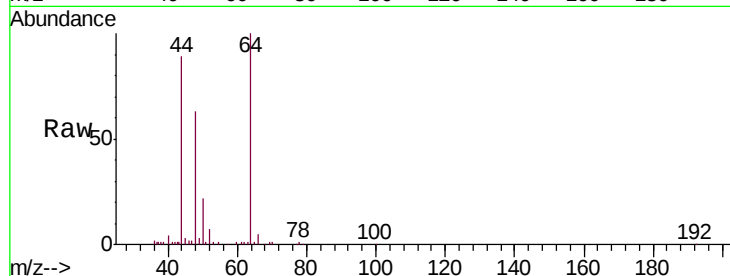
BFCL5

Tgt Ion: 50 Resp: 7376

Ion Ratio Lower Upper

50 100

52 30.4 22.3 41.5



#5

Vinyl chloride

Concen: 0.724 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011453.D

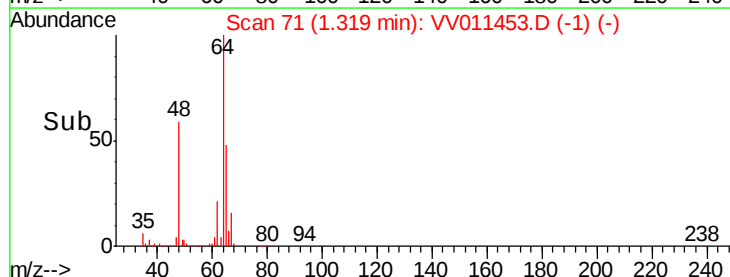
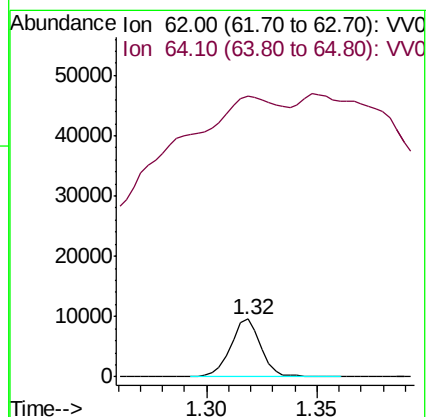
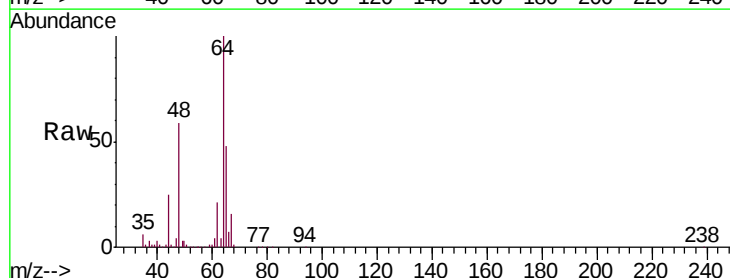
Acq: 13 Jun 2019 10:20

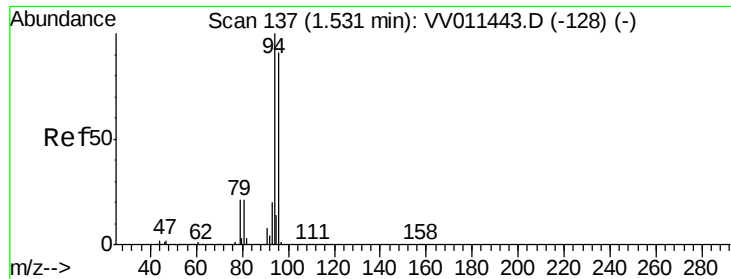
Tgt Ion: 62 Resp: 9165

Ion Ratio Lower Upper

62 100

64 485.7 25.9 48.1#





#6

Bromomethane

Concen: 0.294 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.01 min

Lab File: VV011453.D

Acq: 13 Jun 2019 10:20

Instrument :

MSVOA_V

ClientSampleId :

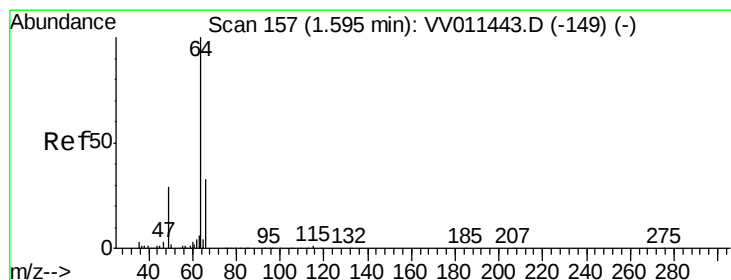
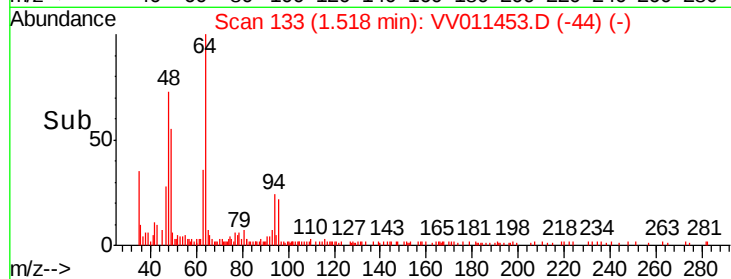
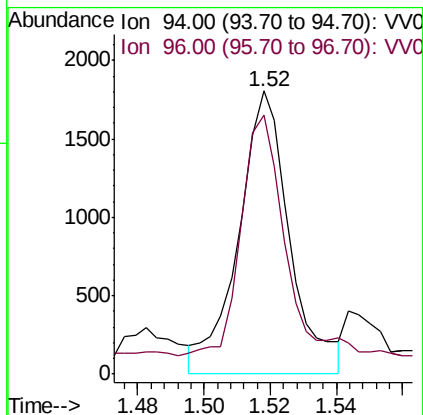
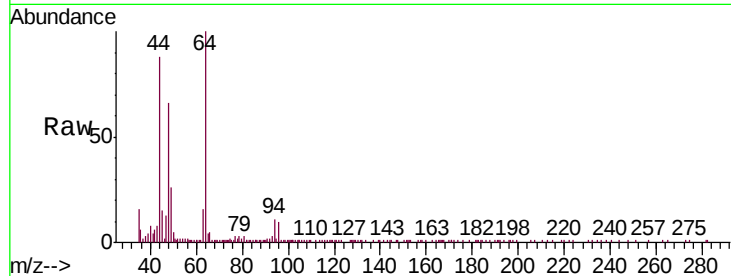
BFCL5

Tgt Ion: 94 Resp: 1935

Ion Ratio Lower Upper

94 100

96 91.5 67.0 124.4



#8

Chloroethane

Concen: 1.314 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.07 min

Lab File: VV011453.D

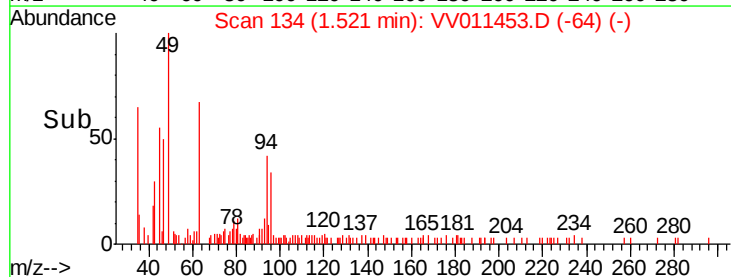
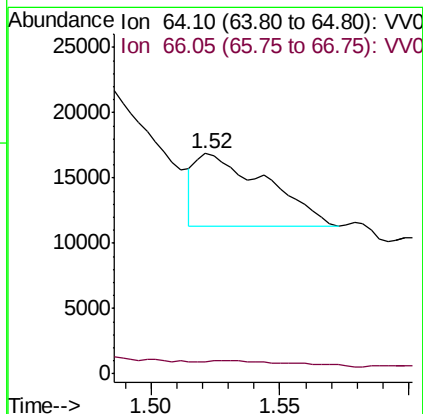
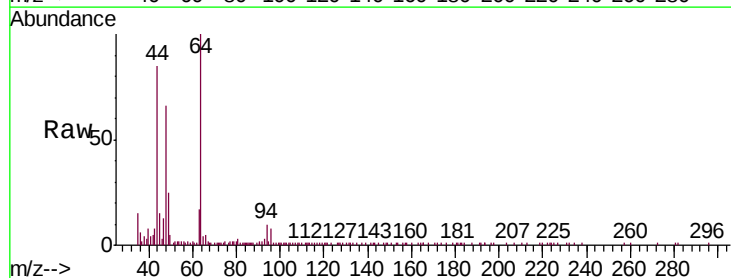
Acq: 13 Jun 2019 10:20

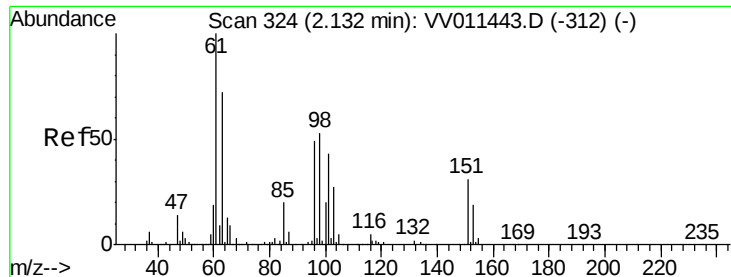
Tgt Ion: 64 Resp: 10636

Ion Ratio Lower Upper

64 100

66 5.3 19.4 36.0#

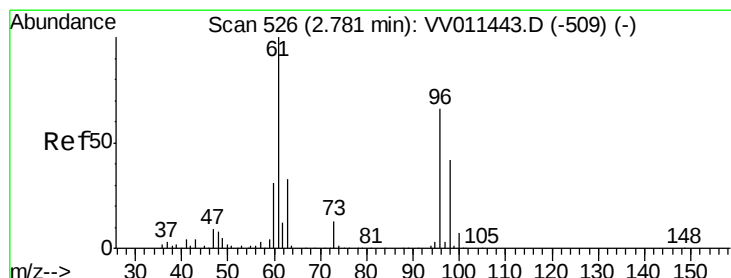
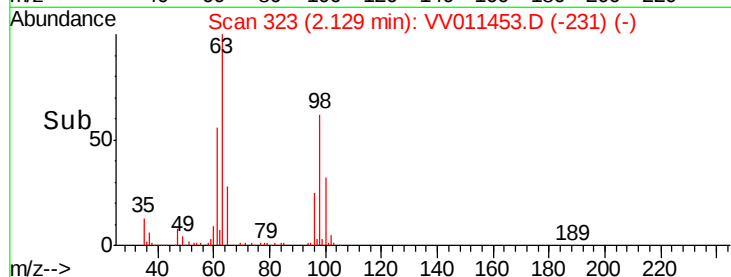
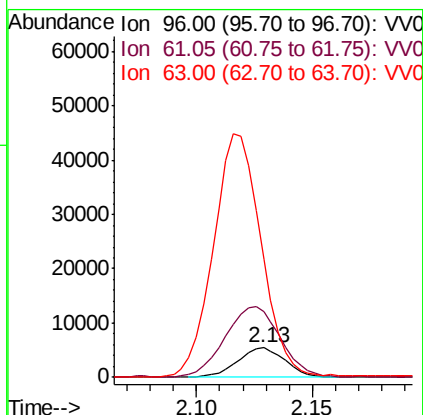
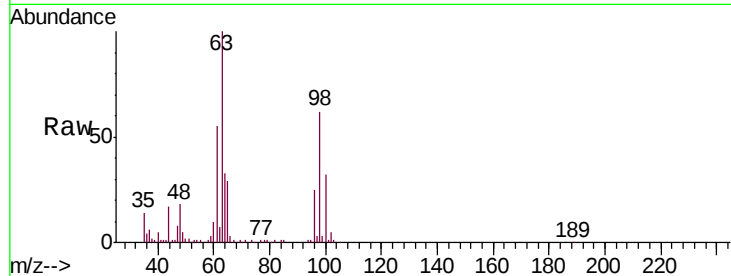




#12
 1,1-Dichloroethene
 Concen: 0.899 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VV011453.D
 Acq: 13 Jun 2019 10:20

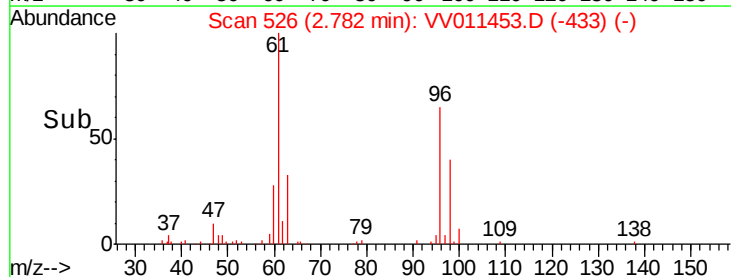
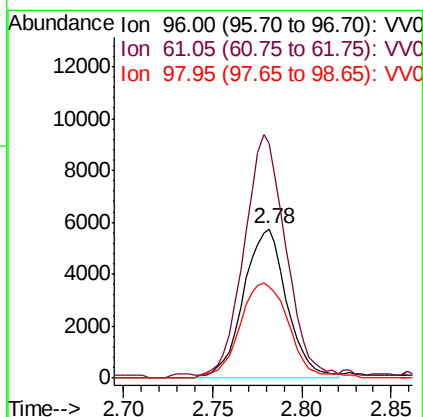
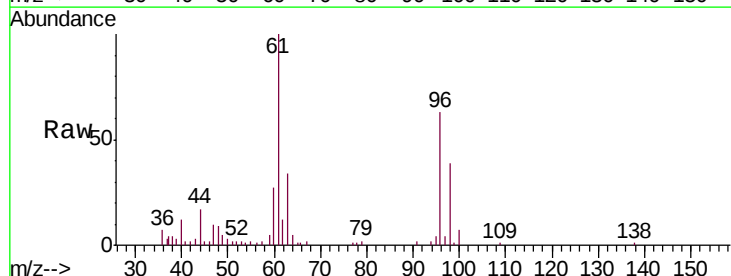
Instrument :
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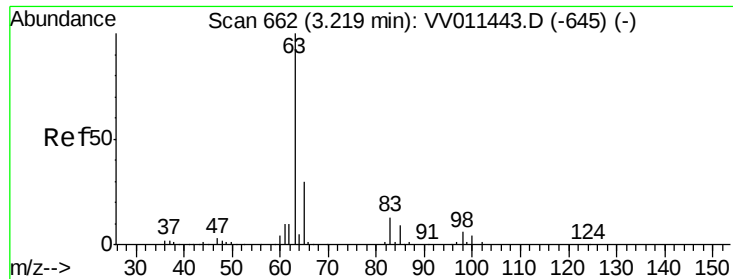
Tgt Ion: 96 Resp: 7794
 Ion Ratio Lower Upper
 96 100
 61 224.0 139.8 259.6
 63 405.9 94.3 175.1#



#18
 trans-1,2-Dichloroethene
 Concen: 1.009 ug/L
 RT: 2.78 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VV011453.D
 Acq: 13 Jun 2019 10:20

Tgt Ion: 96 Resp: 9794
 Ion Ratio Lower Upper
 96 100
 61 157.5 104.0 193.2
 98 61.4 45.7 84.9

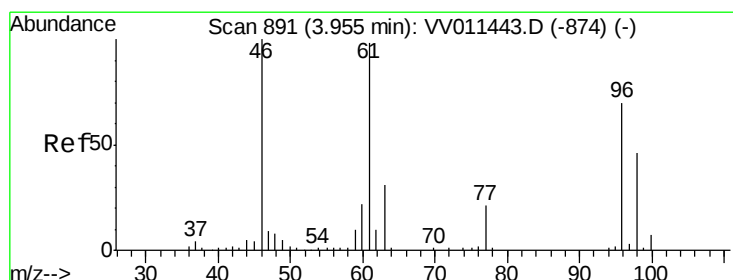
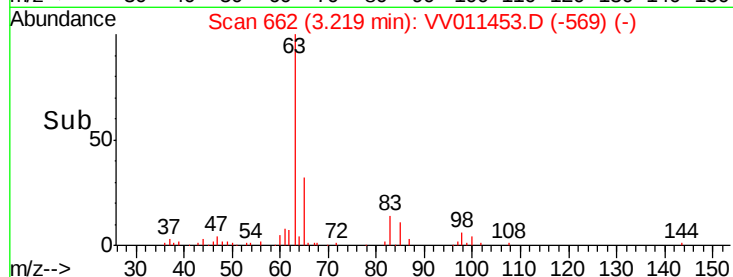
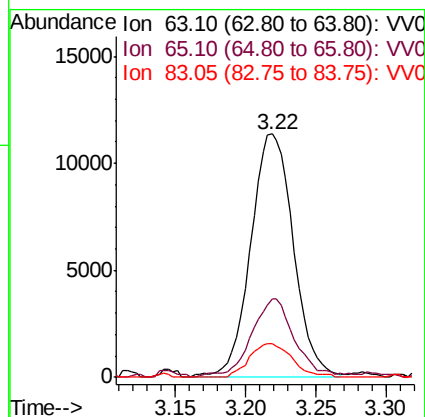
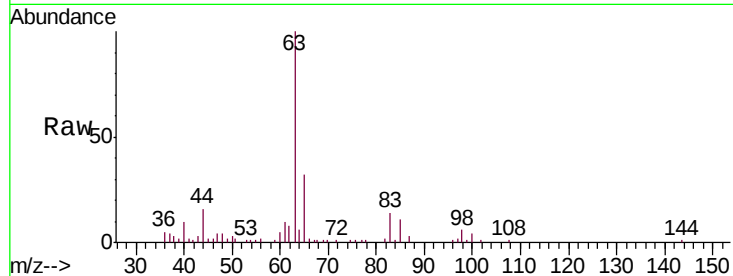




#19
 1,1-Dichloroethane
 Concen: 1.259 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.00 min
 Lab File: VV011453.D
 Acq: 13 Jun 2019 10:20

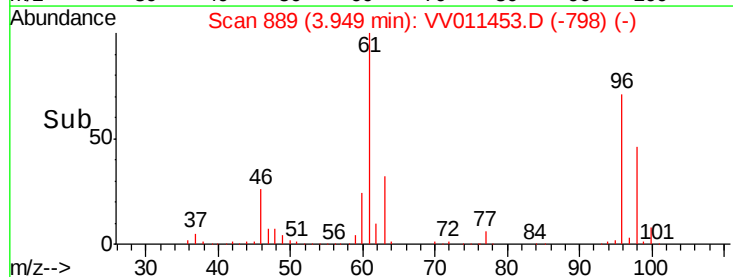
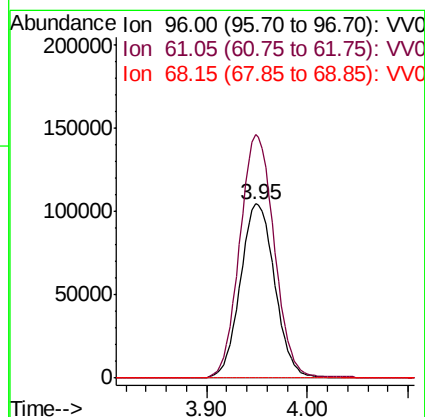
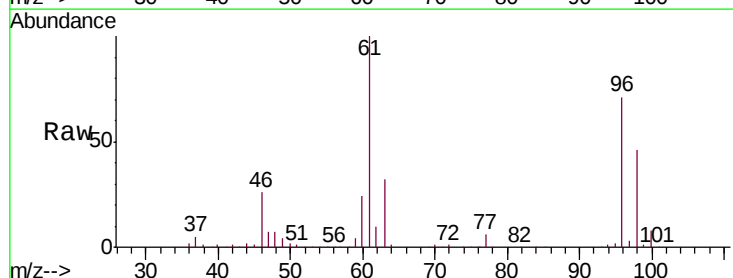
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL5

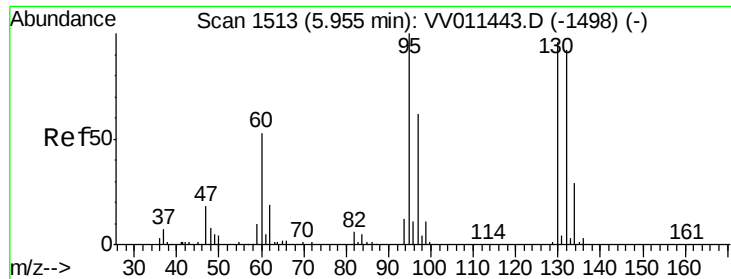
Tgt Ion: 63 Resp: 24108
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.1 41.1
 83 14.0 9.2 17.0



#22
 cis-1,2-Dichloroethene
 Concen: 22.963 ug/L
 RT: 3.95 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: VV011453.D
 Acq: 13 Jun 2019 10:20

Tgt Ion: 96 Resp: 246967
 Ion Ratio Lower Upper
 96 100
 61 140.0 100.8 187.2
 68 0.0 0.0 0.0

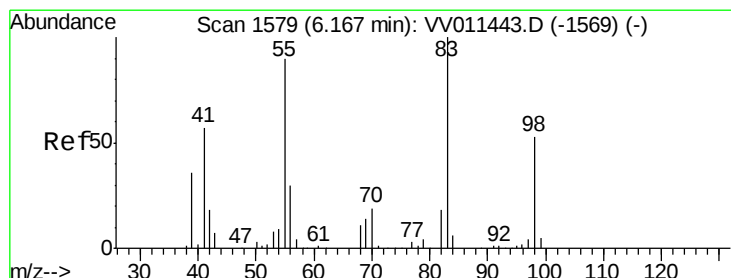
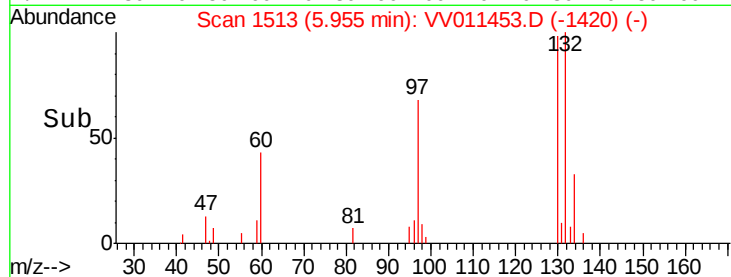
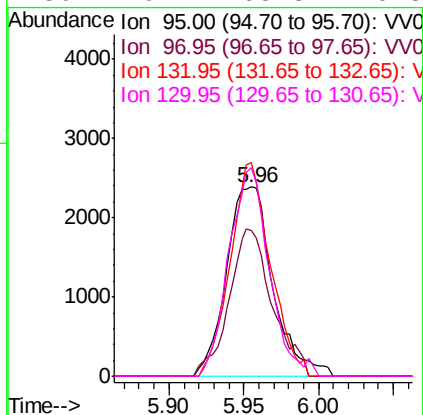
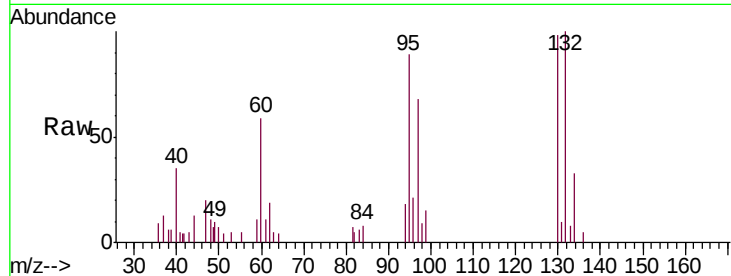




#34
 Trichloroethene
 Concen: 0.512 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV011453.D
 Acq: 13 Jun 2019 10:20

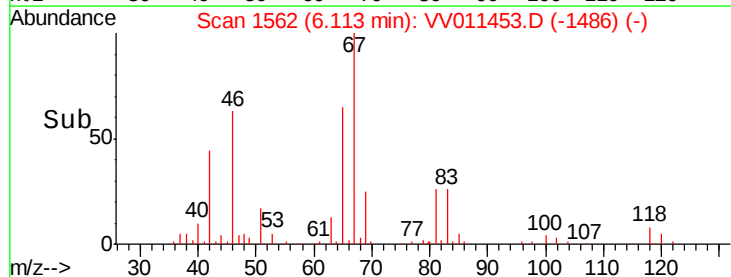
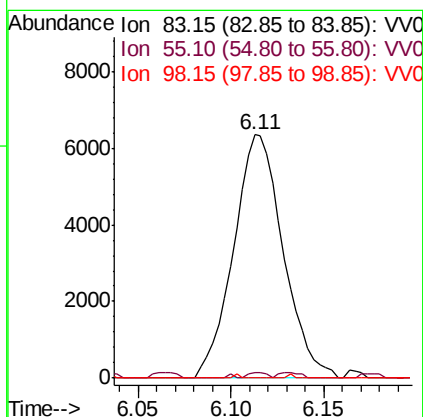
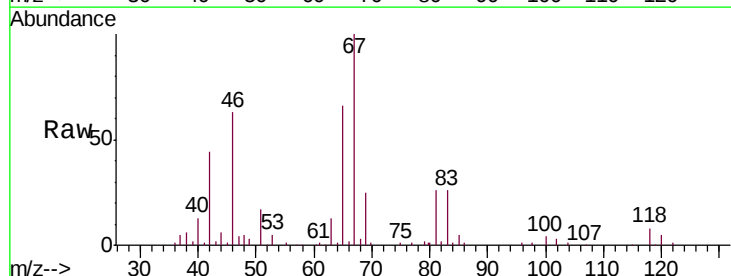
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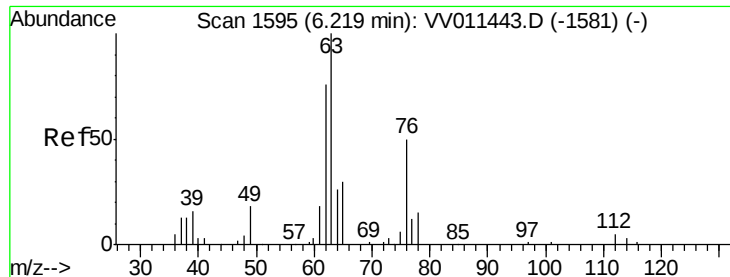
Tgt Ion:	95	Resp:	5164
Ion	Ratio	Lower	Upper
95	100		
97	77.4	45.8	85.2
132	113.0	66.4	123.2
130	110.4	68.3	126.8



#35
 Methylcyclohexane
 Concen: 0.706 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.05 min
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Tgt Ion:	83	Resp:	11775
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: 0.672 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV011453.D
 Acq: 13 Jun 2019 10:20

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL5

Tgt Ion: 63 Resp: 6529
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.6 5.4#

