

Data File : VV011511.D
Acq On : 15 Jun 2019 00:57
Operator : SY/MD
Sample : K3289-08DL 2000X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCL2DL

Quant Time: Jun 15 02:58:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 15 02:56:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	175237	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	159884	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	62705	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	63973	4.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	1.58	69	44871	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.12	63	99415	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	3.96	46	199746	53.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.30%
24) Chloroform-d	4.40	84	124717	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.08	65	74874	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.09	84	254178	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.12	67	80756	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.36	98	211884	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.66	79	23684	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.14	63	155201	53.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	54865	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	70018	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1490	0.088 ug/L	88
5) Vinyl chloride	1.32	62	9394	0.562 ug/L #	69
8) Chloroethane	1.32	64	3546	0.438 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3012	0.286 ug/L #	86
12) 1,1-Dichloroethene	2.13	96	5049	0.463 ug/L #	1
18) trans-1,2-Dichloroethene	2.78	96	1390	0.113 ug/L	81
19) 1,1-Dichloroethane	3.23	63	10686	0.419 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	132242	9.472 ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	6522	0.328 ug/L	97
34) Trichloroethene	5.96	95	108972	8.183 ug/L	99
35) Methylcyclohexane	6.12	83	19215	1.012 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	10273	0.739 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2277	0.130 ug/L #	37
44) trans-1,3-Dichloropropene	7.67	75	1541	0.115 ug/L	93
47) Tetrachloroethene	8.02	164	8271	0.871 ug/L	95
48) 2-Hexanone	8.14	43	20728	2.976 ug/L #	72
49) Dibromochloromethane	8.02	129	8108	0.870 ug/L #	12

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061419\
Quantitation Report (Not Reviewed)

Data File : VV011511.D
Acq On : 15 Jun 2019 00:57
Operator : SY/MD
Sample : K3289-08DL 2000X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCL2DL

Quant Time: Jun 15 02:58:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 15 02:56:00 2019
Response via : Initial Calibration

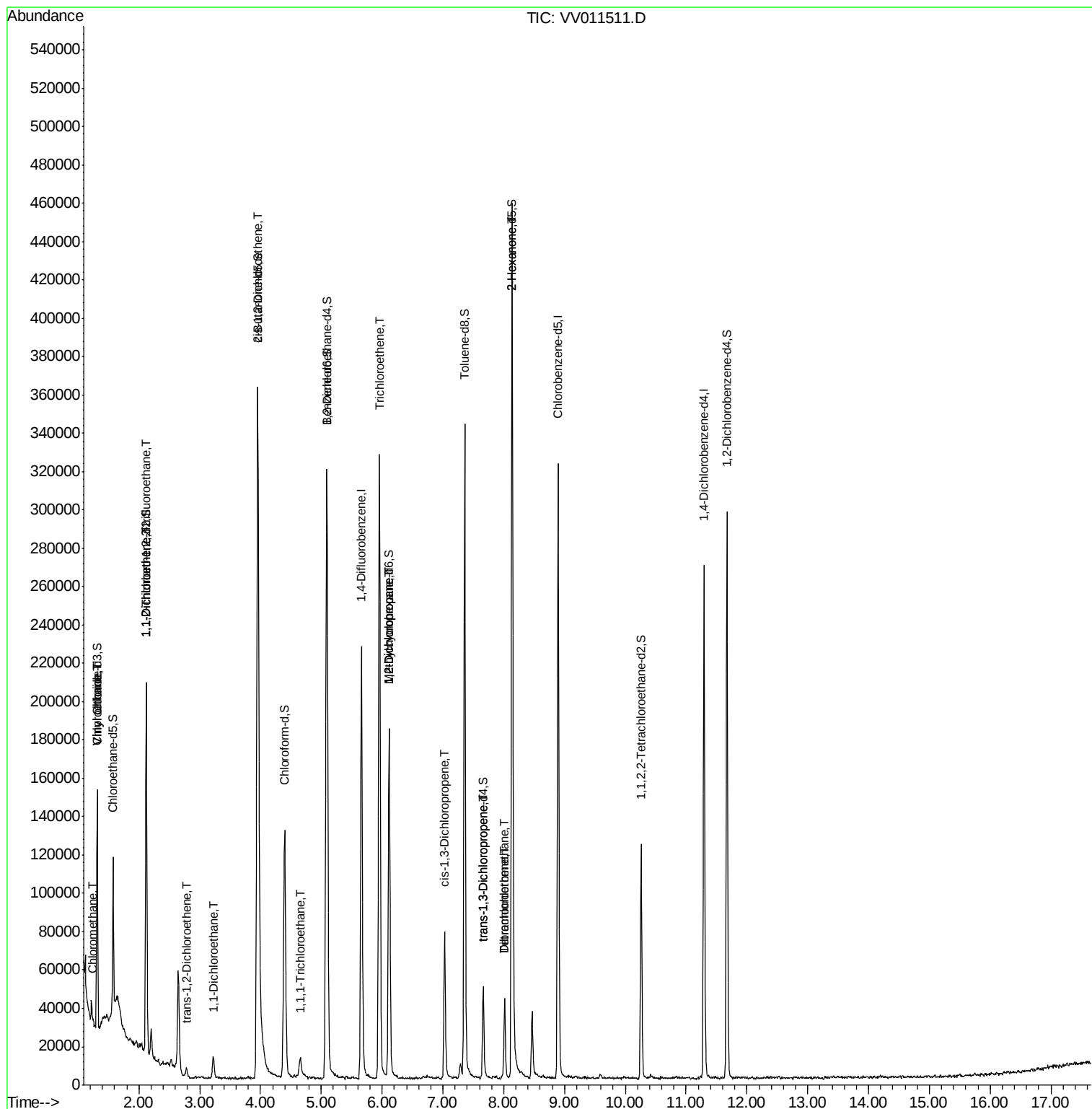
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

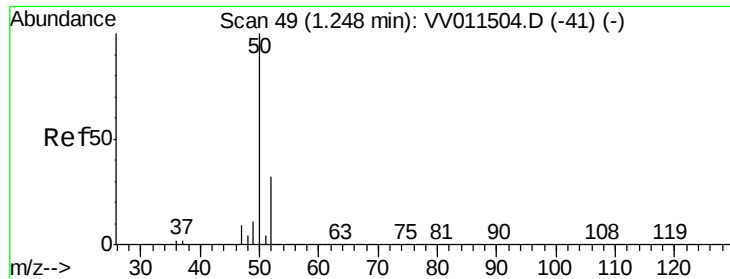
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV011511.D
Acq On : 15 Jun 2019 00:57
Operator : SY/MD
Sample : K3289-08DL 2000X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCL2DL

Quant Time: Jun 15 02:58:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 15 02:56:00 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.088 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011511.D

Acq: 15 Jun 2019 00:57

Instrument :

MSVOA_V

ClientSampleId :

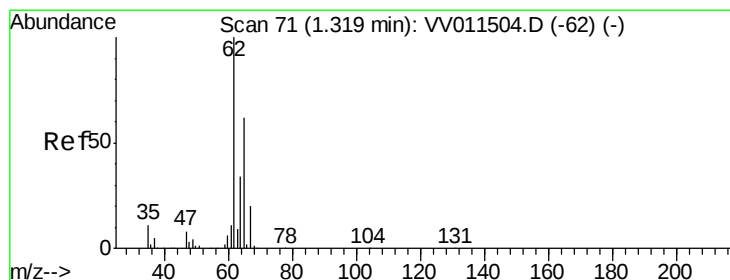
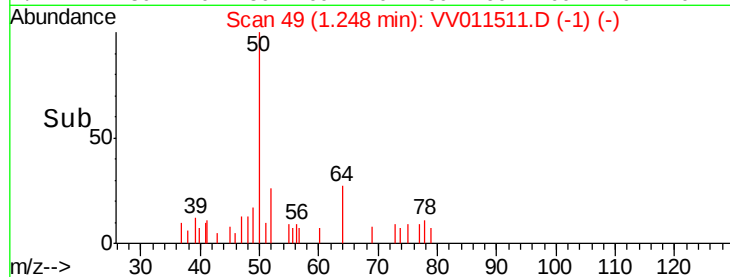
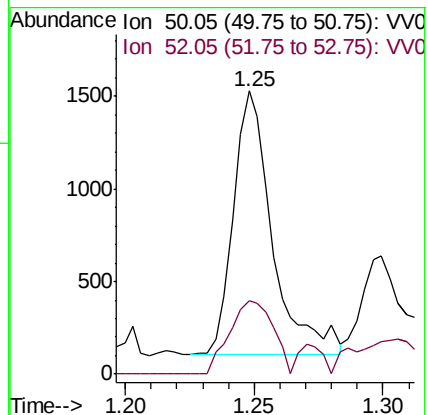
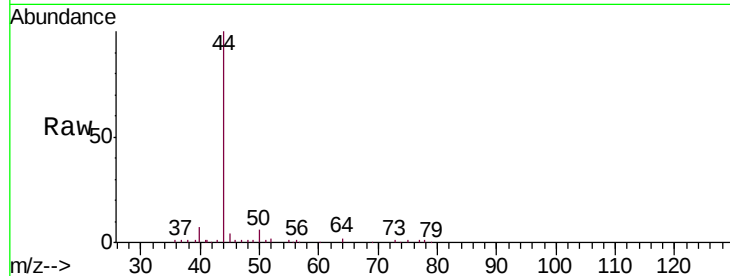
BFCL2DL

Tgt Ion: 50 Resp: 1490

Ion Ratio Lower Upper

50 100

52 25.9 22.7 42.1



#5

Vinyl chloride

Concen: 0.562 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011511.D

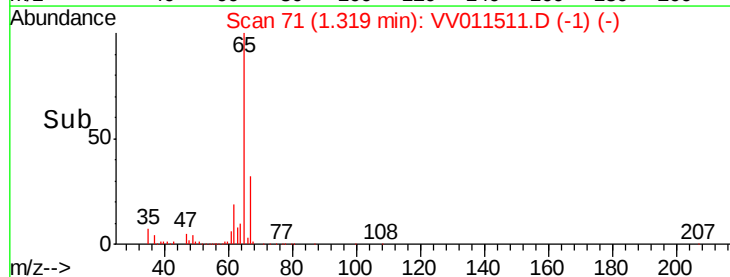
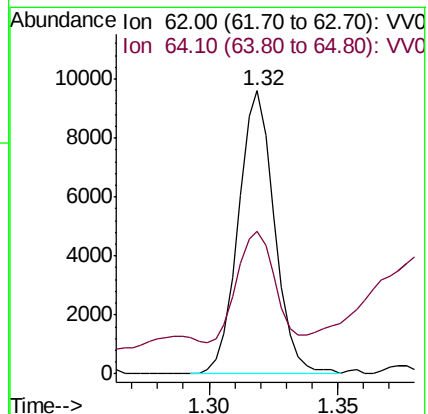
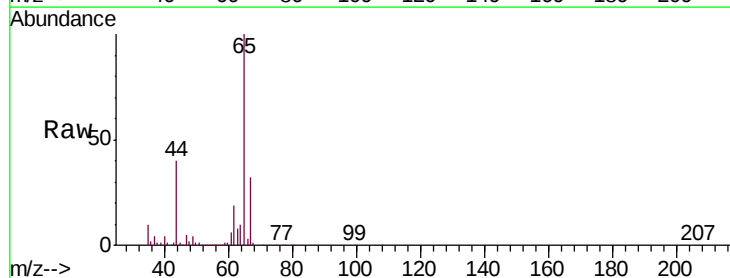
Acq: 15 Jun 2019 00:57

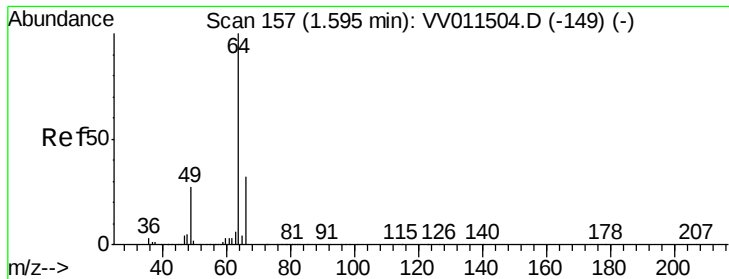
Tgt Ion: 62 Resp: 9394

Ion Ratio Lower Upper

62 100

64 50.2 23.0 42.6#





#8

Chloroethane

Concen: 0.438 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV011511.D

Acq: 15 Jun 2019 00:57

Instrument :

MSVOA_V

ClientSampled :

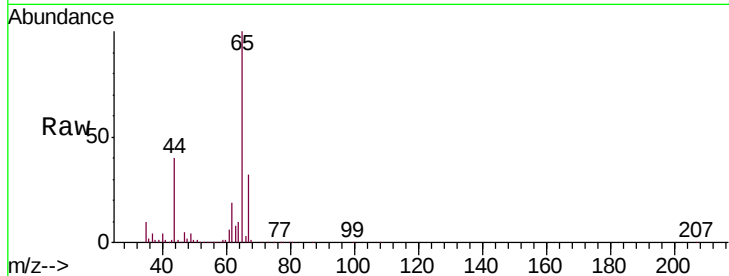
BFCL2DL

Tgt Ion: 64 Resp: 3546

Ion Ratio Lower Upper

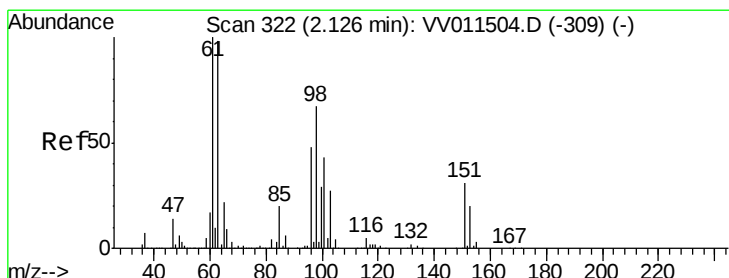
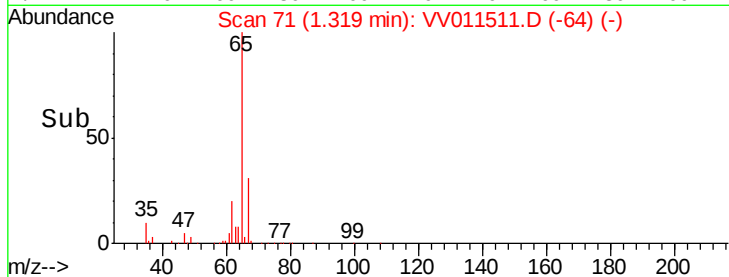
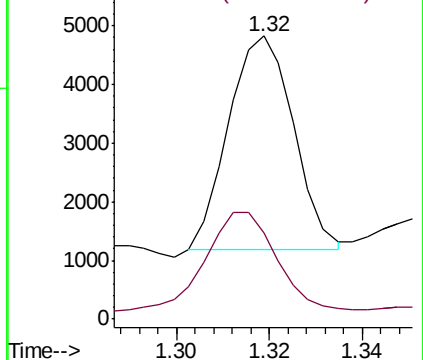
64 100

66 30.7 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VV011504.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV011504.D (-149) (-)



#10

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

Concen: 0.286 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011511.D

Acq: 15 Jun 2019 00:57

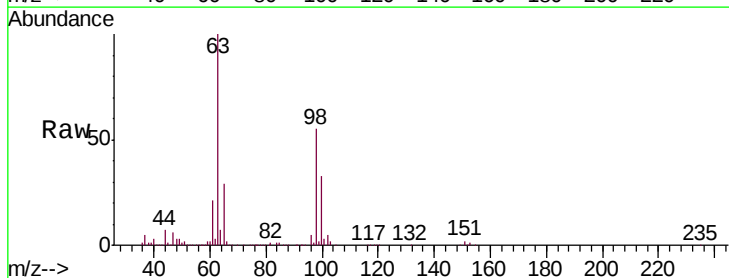
Tgt Ion: 101 Resp: 3012

Ion Ratio Lower Upper

101 100

85 44.0 37.3 55.9

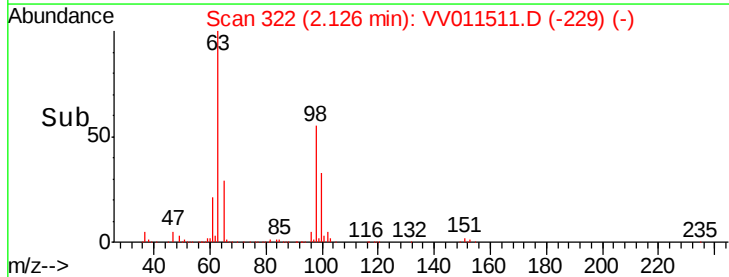
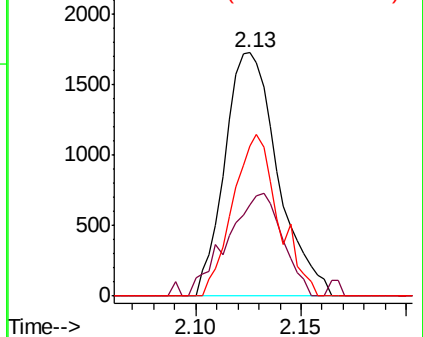
151 56.9 59.4 89.2#

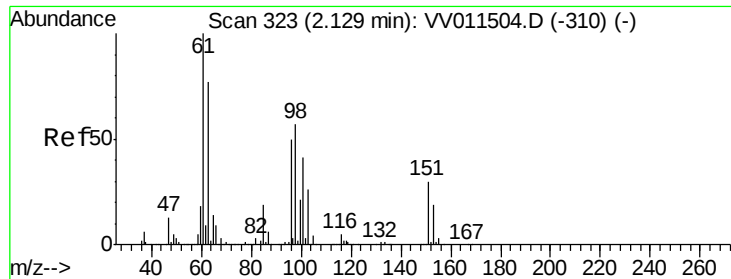


Abundance Ion 101.00 (100.70 to 101.70): VV011504.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV011504.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV011504.D (-309) (-)





#12

1,1-Dichloroethene

Concen: 0.463 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011511.D

Acq: 15 Jun 2019 00:57

Instrument :

MSVOA_V

ClientSampleId :

BFCL2DL

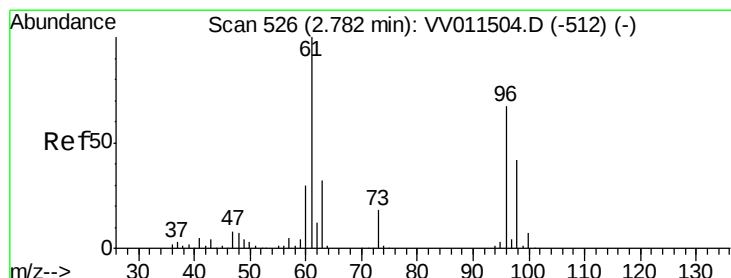
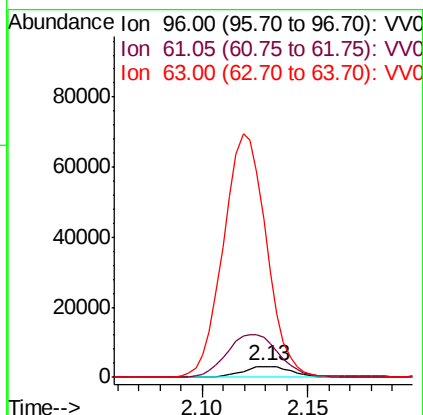
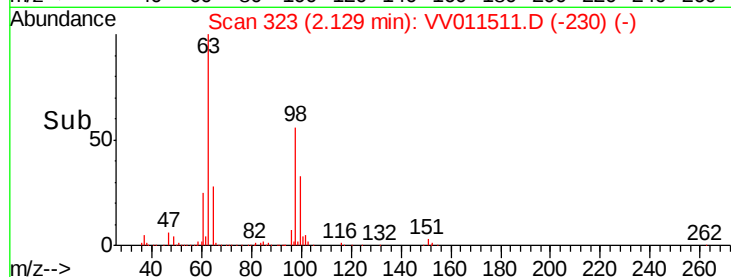
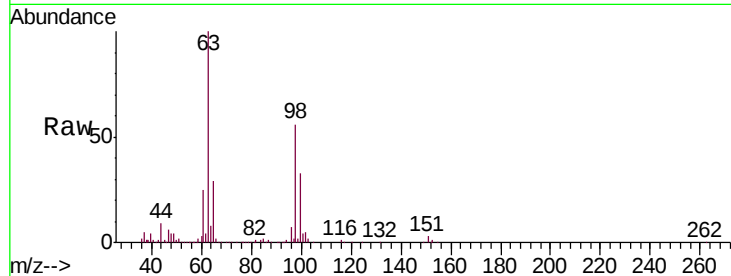
Tgt Ion: 96 Resp: 5049

Ion Ratio Lower Upper

96 100

61 353.4 135.9 252.5#

63 1414.1 86.2 160.2#



#18

trans-1,2-Dichloroethene

Concen: 0.113 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV011511.D

Acq: 15 Jun 2019 00:57

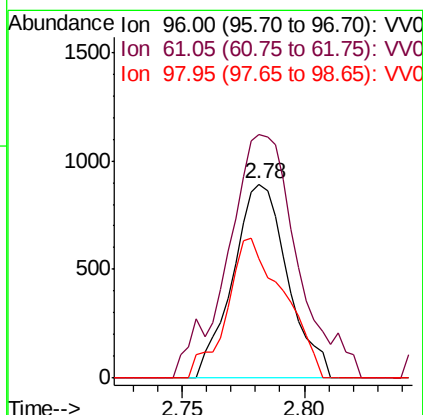
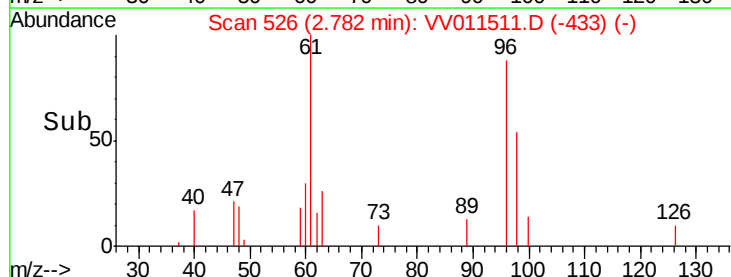
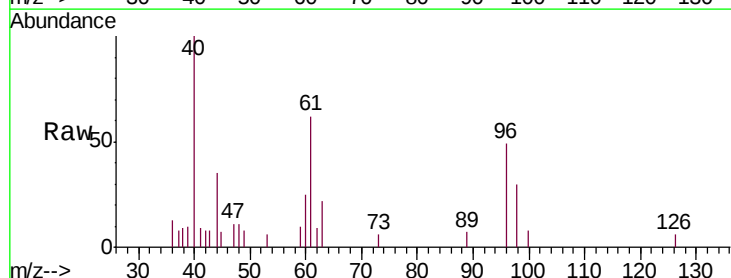
Tgt Ion: 96 Resp: 1390

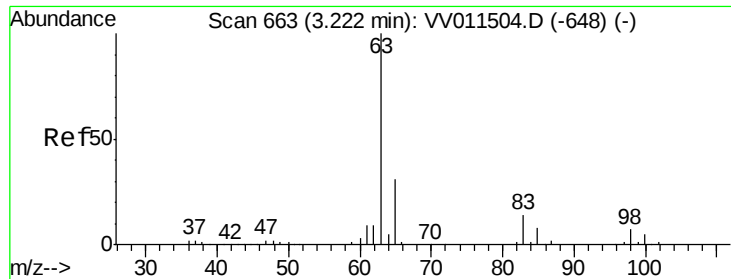
Ion Ratio Lower Upper

96 100

61 125.4 110.0 204.4

98 61.4 45.8 85.0





#19

1,1-Dichloroethane

Concen: 0.419 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV011511.D

Acq: 15 Jun 2019 00:57

Instrument :

MSVOA_V

ClientSampleId :

BFCL2DL

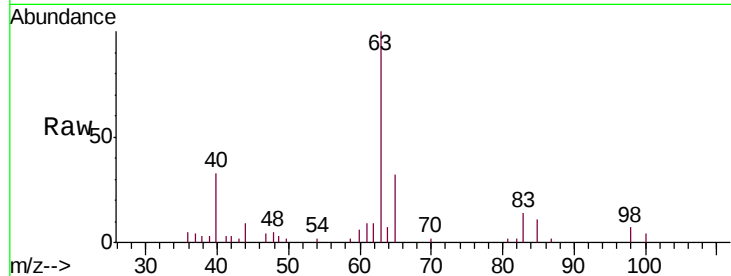
Tgt Ion: 63 Resp: 10686

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.9

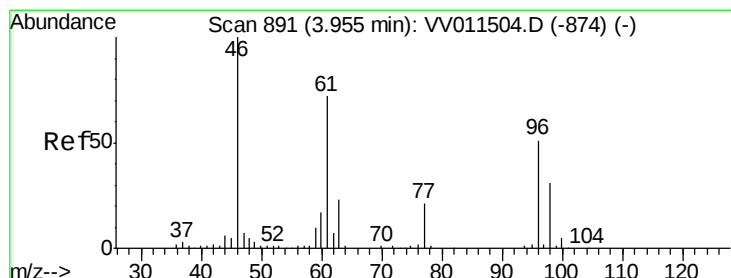
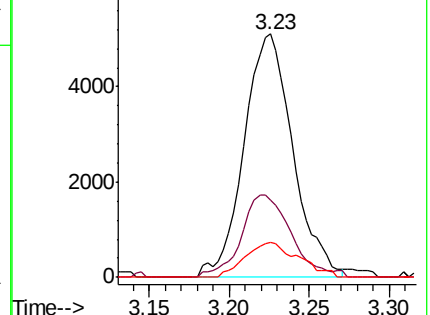
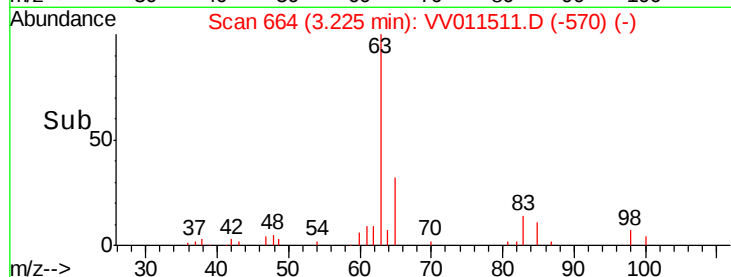
83 14.4 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VV011511.D (-570) (-)

Ion 65.10 (64.80 to 65.80): VV011511.D (-570) (-)

Ion 83.05 (82.75 to 83.75): VV011511.D (-570) (-)



#22

cis-1,2-Dichloroethene

Concen: 9.472 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV011511.D

Acq: 15 Jun 2019 00:57

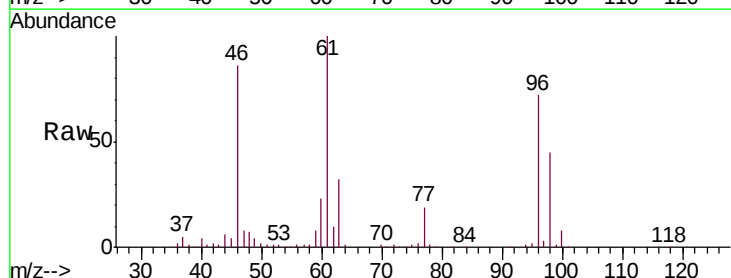
Tgt Ion: 96 Resp: 132242

Ion Ratio Lower Upper

96 100

61 139.6 102.2 189.8

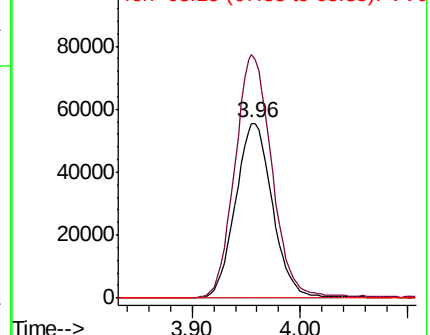
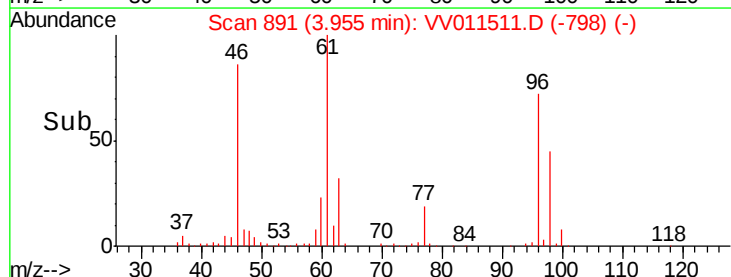
68 0.0 0.0 0.0

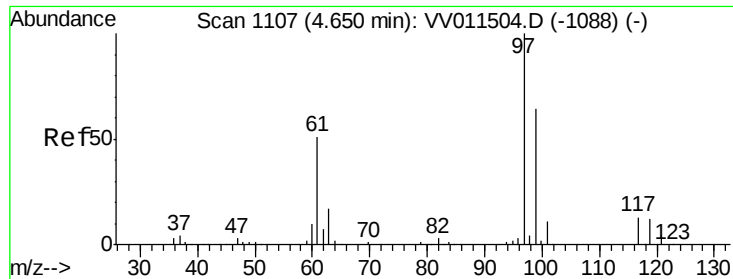


Abundance Ion 96.00 (95.70 to 96.70): VV011511.D (-798) (-)

Ion 61.05 (60.75 to 61.75): VV011511.D (-798) (-)

Ion 68.15 (67.85 to 68.85): VV011511.D (-798) (-)

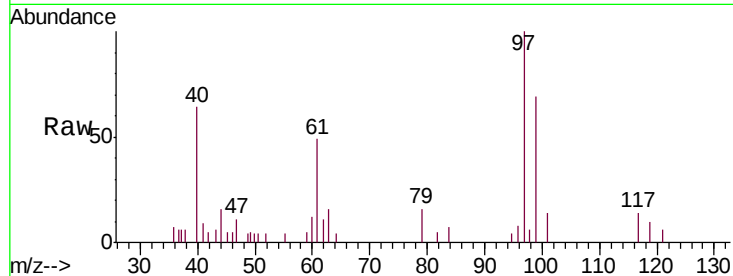




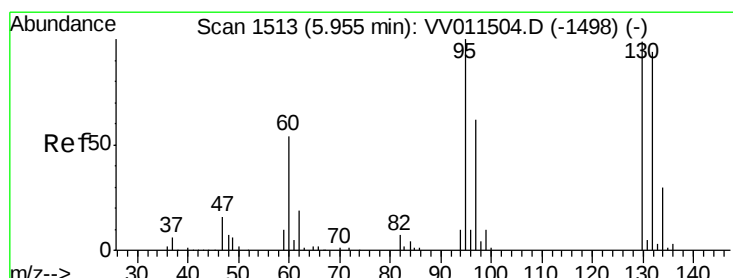
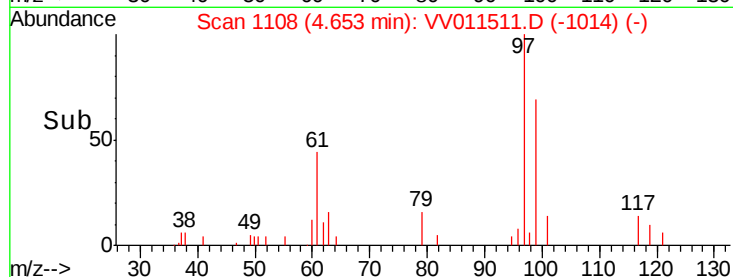
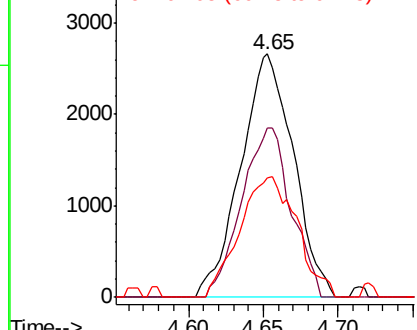
#29
 1,1,1-Trichloroethane
 Concen: 0.328 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV011511.D
 Acq: 15 Jun 2019 00:57

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL2DL

Tgt Ion: 97 Resp: 6522
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.6 77.4
 61 54.1 40.4 60.6

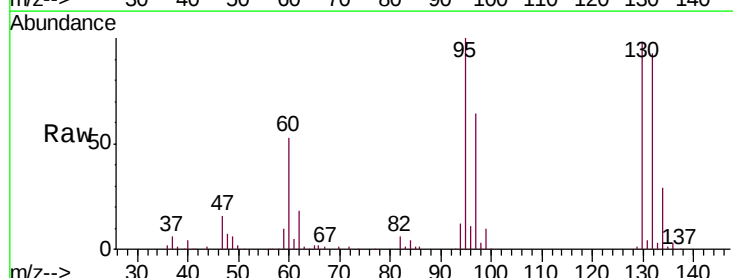


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

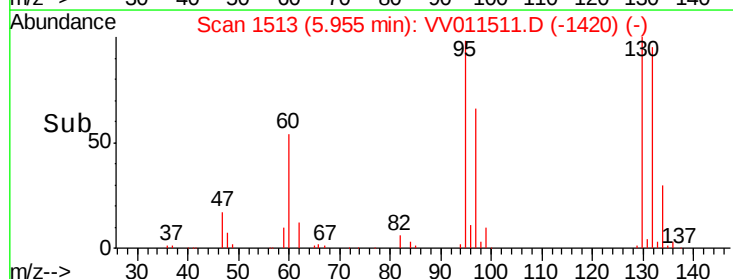
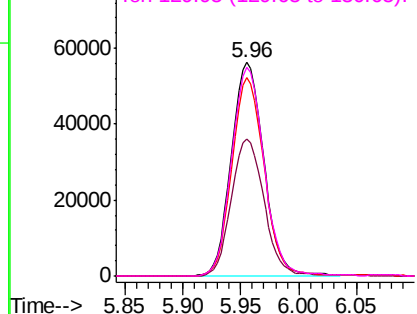


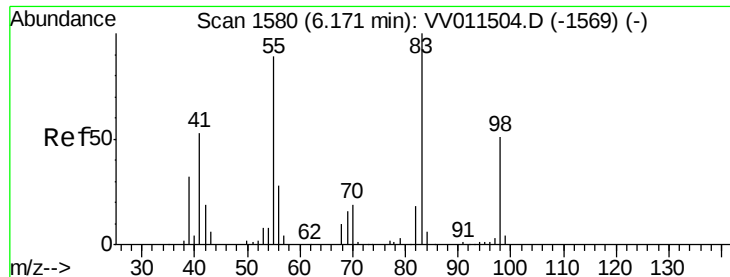
#34
 Trichloroethene
 Concen: 8.183 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV011511.D
 Acq: 15 Jun 2019 00:57

Tgt Ion: 95 Resp: 108972
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.4 82.4
 132 92.9 63.5 117.9
 130 97.6 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): VV0
 Ion 129.95 (129.65 to 130.65): VV0

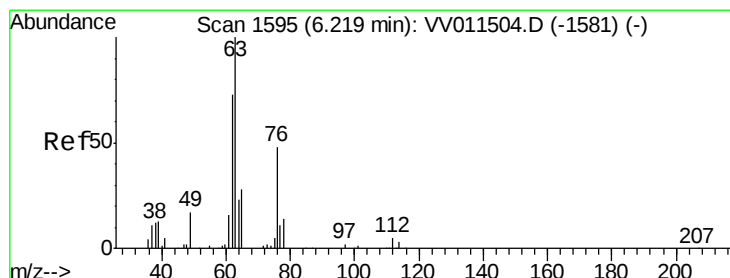
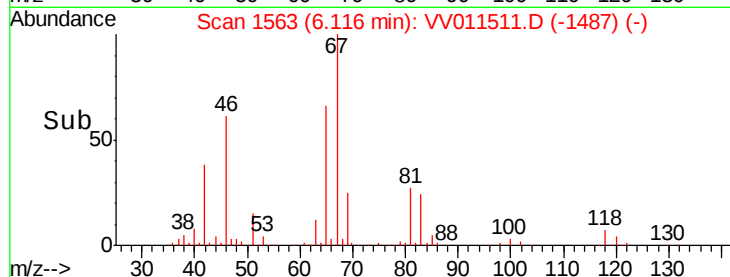
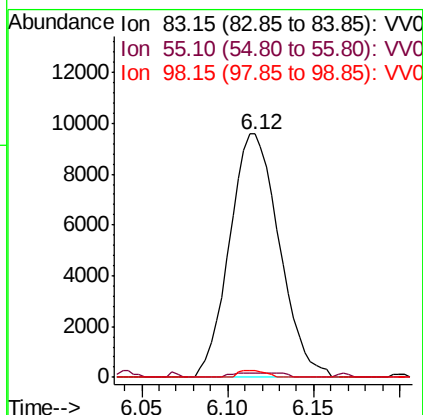
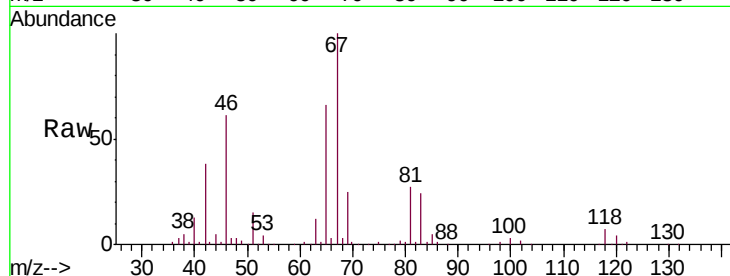




#35
Methylcyclohexane
Concen: 1.012 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011511.D
Acq: 15 Jun 2019 00:57

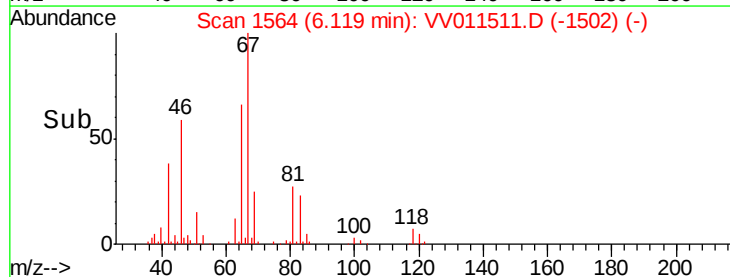
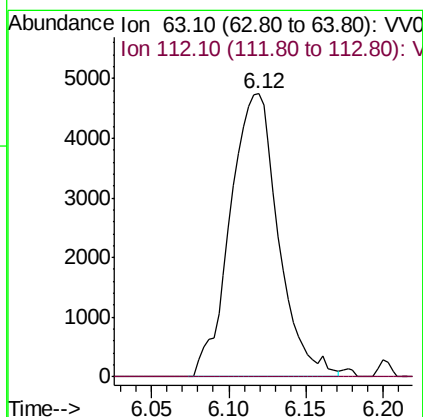
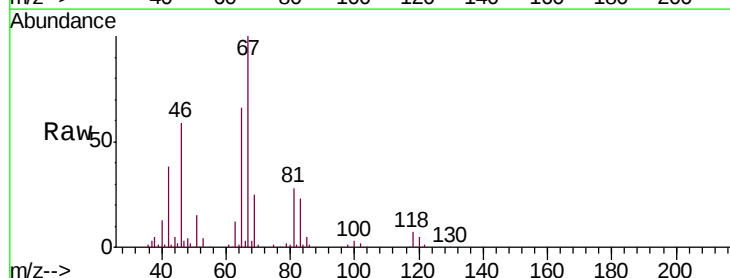
Instrument :
MSVOA_V
ClientSampleId :
BFCL2DL

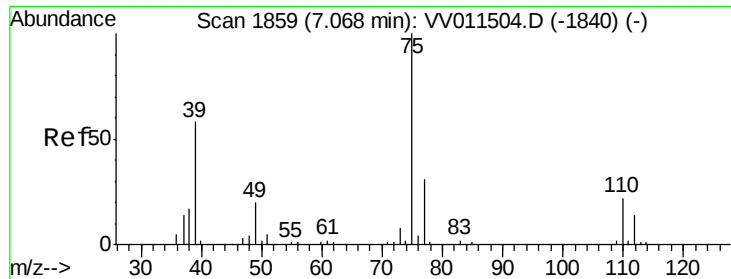
Tgt Ion: 83 Resp: 19215
Ion Ratio Lower Upper
83 100
55 0.9 67.9 101.9#
98 1.5 39.6 59.4#



#37
1,2-Dichloropropane
Concen: 0.739 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV011511.D
Acq: 15 Jun 2019 00:57

Tgt Ion: 63 Resp: 10273
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#

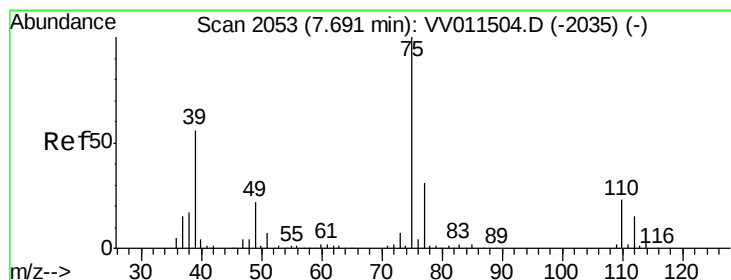
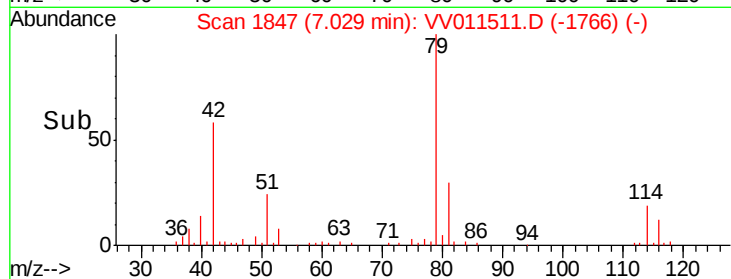
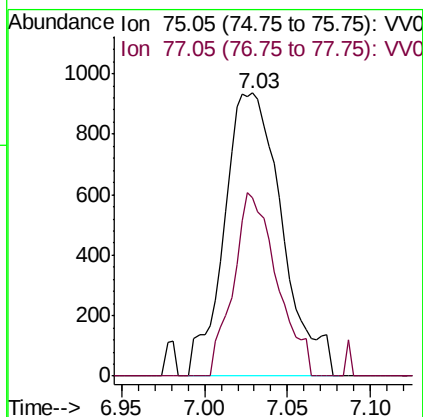
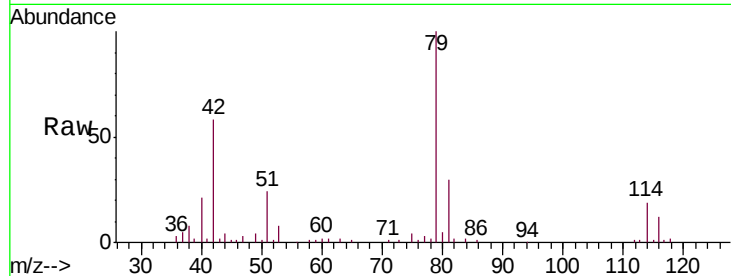




#39
 cis-1,3-Dichloropropene
 Concen: 0.130 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011511.D
 Acq: 15 Jun 2019 00:57

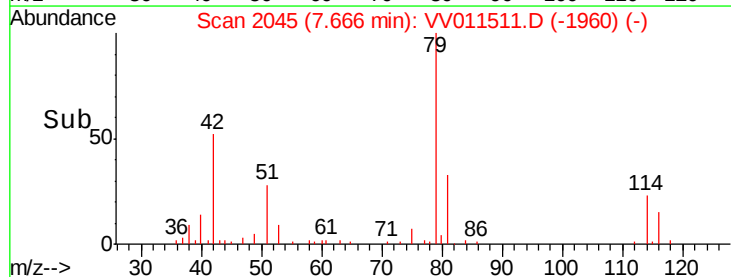
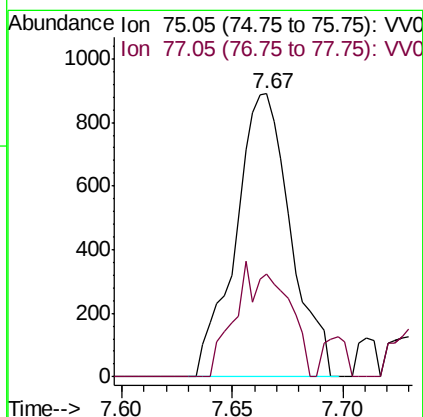
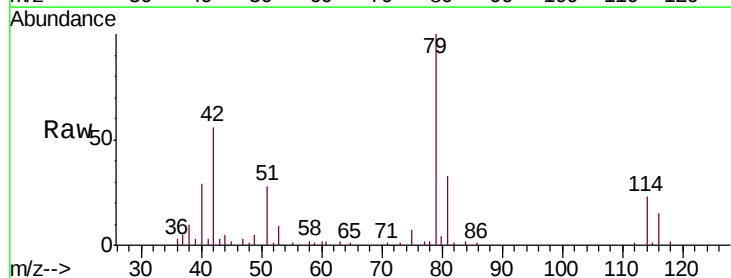
Instrument :
 MSVOA_V
 ClientSampled :
 BFCL2DL

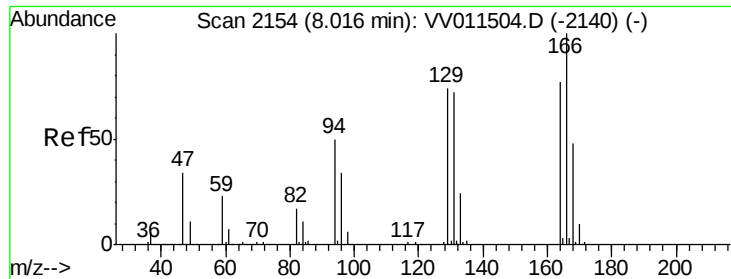
Tgt Ion: 75 Resp: 2277
 Ion Ratio Lower Upper
 75 100
 77 63.2 20.6 38.4#



#44
 trans-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.67 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VV011511.D
 Acq: 15 Jun 2019 00:57

Tgt Ion: 75 Resp: 1541
 Ion Ratio Lower Upper
 75 100
 77 36.5 22.8 42.4

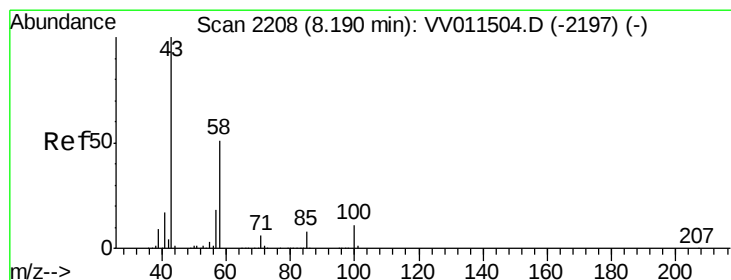
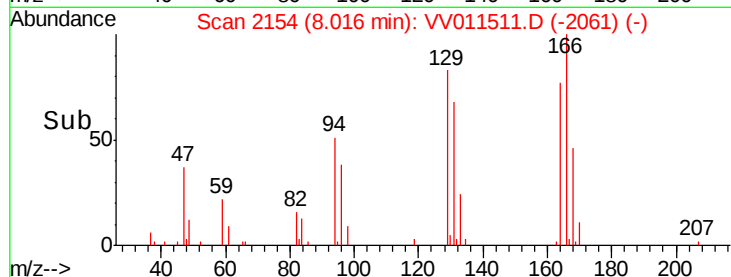
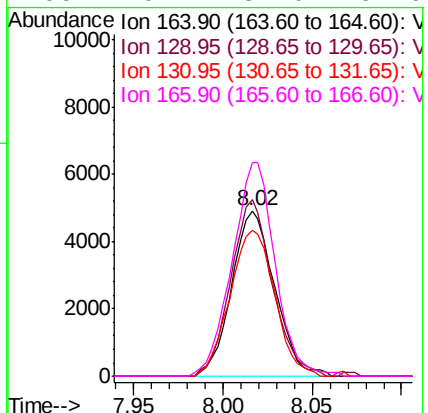
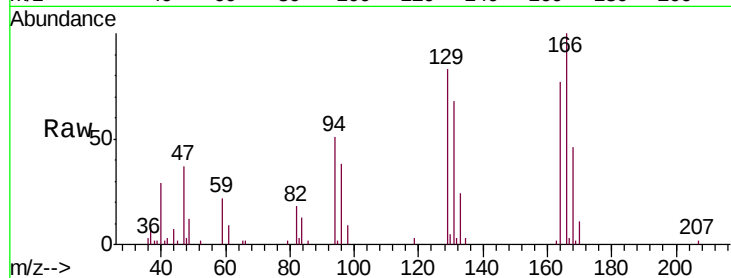




#47
Tetrachloroethene
Concen: 0.871 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV011511.D
Acq: 15 Jun 2019 00:57

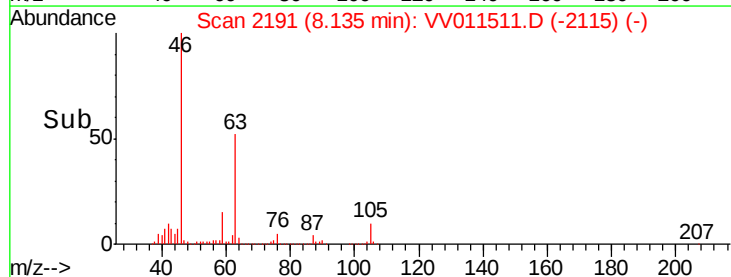
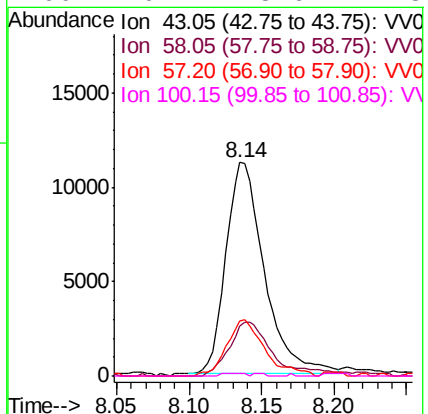
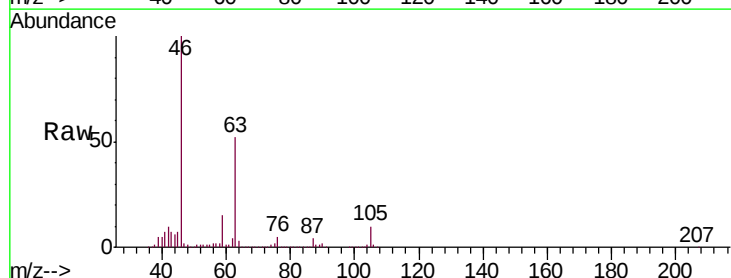
Instrument :
MSVOA_V
ClientSampleId :
BFCL2DL

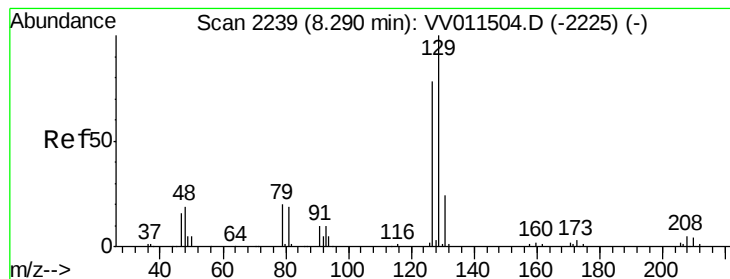
Tgt Ion:	164	Resp:	8271
Ion	Ratio	Lower	Upper
164	100		
129	107.1	68.8	127.8
131	88.2	63.2	117.4
166	129.1	87.0	161.6



#48
2-Hexanone
Concen: 2.976 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV011511.D
Acq: 15 Jun 2019 00:57

Tgt Ion:	43	Resp:	20728
Ion	Ratio	Lower	Upper
43	100		
58	29.1	40.6	60.8#
57	26.0	14.2	21.4#
100	0.4	8.6	12.8#





#49

Dibromochloromethane

Concen: 0.870 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV011511.D

Acq: 15 Jun 2019 00:57

Instrument :

MSVOA_V

ClientSampleId :

BFCL2DL

Tgt Ion:129 Resp: 8108

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.6#

