

Data File : VV011583.D
Acq On : 18 Jun 2019 19:02
Operator : SY/MD
Sample : K3289-15DL 5X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCL4DL

Quant Time: Jun 19 02:13:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 02:08:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	146965	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	138909	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	54892	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	51351	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.57	69	33446	4.76	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.11	63	81564	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	3.96	46	193898	62.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.20%
24) Chloroform-d	4.39	84	114886	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.08	65	69541	5.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.00%
32) Benzene-d6	5.09	84	223300	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
36) 1,2-Dichloropropane-d6	6.11	67	72996	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.36	98	190938	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	7.66	79	22112	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.14	63	144318	57.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	51222	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	63595	5.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.20%

Target Compounds

					Qvalue
3) Chloromethane	1.24	50	3017	0.212 ug/L	85
6) Bromomethane	1.53	94	1195	0.204 ug/L	100
8) Chloroethane	1.60	64	897	0.132 ug/L #	61
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	790	0.090 ug/L #	22
16) Methylene chloride	2.52	84	10277	0.989 ug/L	96
22) cis-1,2-Dichloroethene	3.95	96	2157	0.184 ug/L	92
25) Chloroform	4.41	83	2282	0.106 ug/L #	67
34) Trichloroethene	5.96	95	68714	5.939 ug/L	98
35) Methylcyclohexane	6.12	83	18056	1.095 ug/L #	15
37) 1,2-Dichloropropane	6.11	63	9092	0.753 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1795	0.118 ug/L #	67
44) trans-1,3-Dichloropropene	7.66	75	1258	0.108 ug/L	100
48) 2-Hexanone	8.14	43	20281	3.351 ug/L #	71

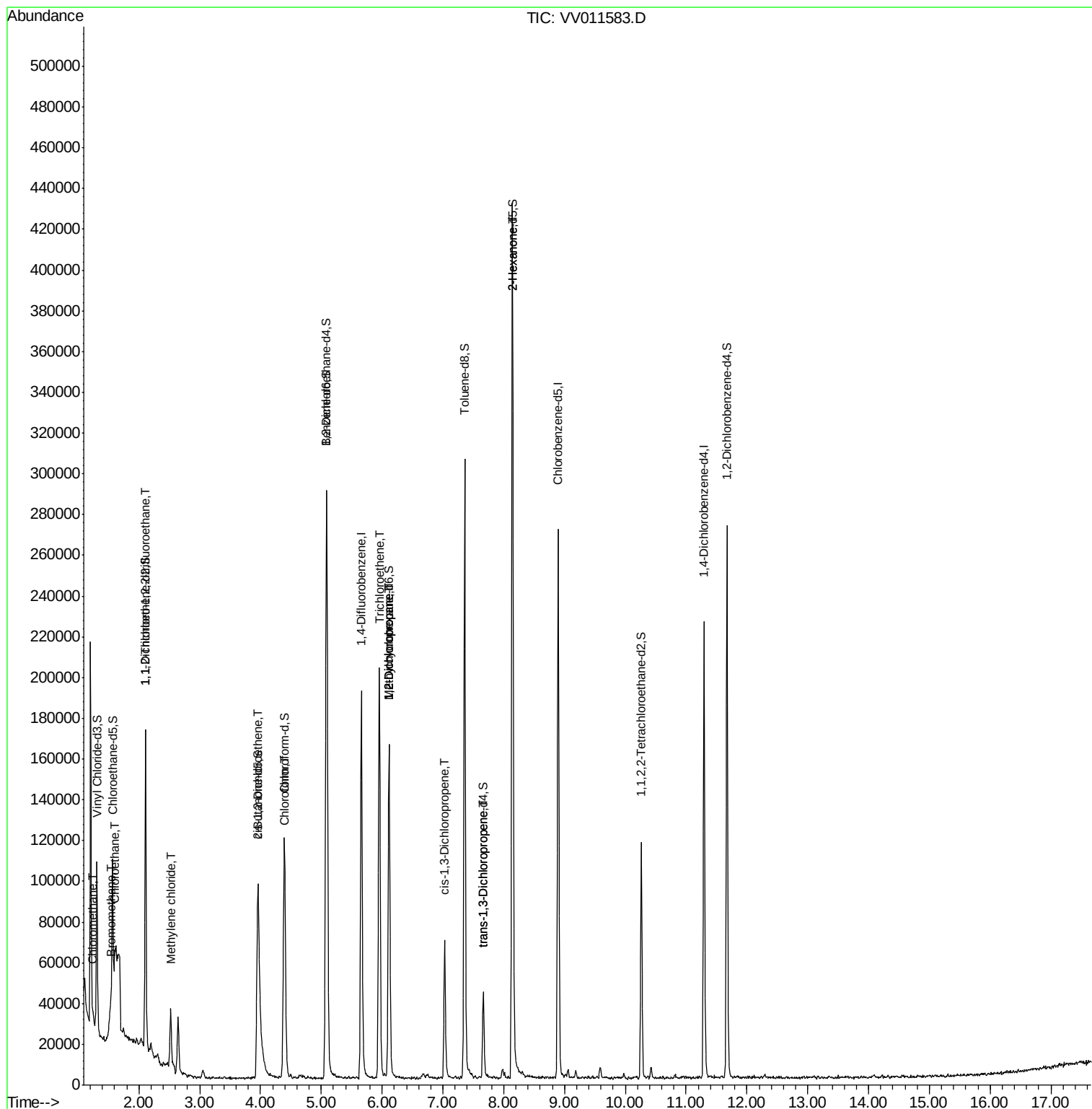
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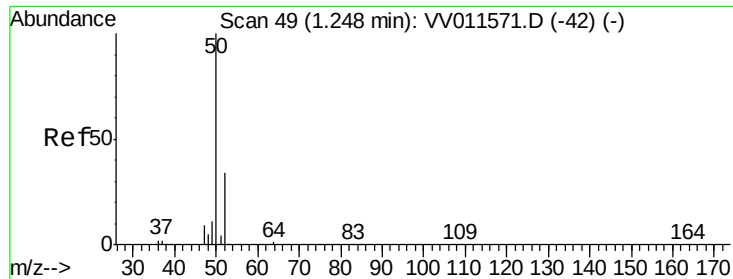
Data File : VV011583.D

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#3

Chloromethane

Concen: 0.212 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV011583.D

Acq: 18 Jun 2019 19:02

Instrument :

MSVOA_V

ClientSampleId :

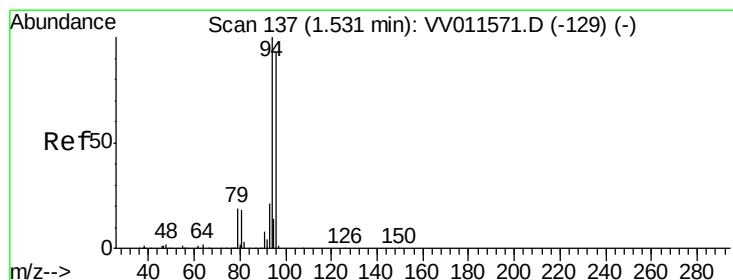
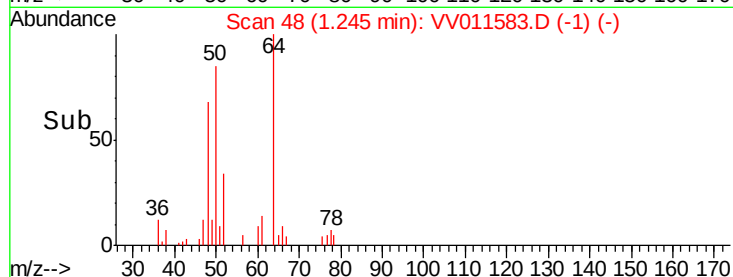
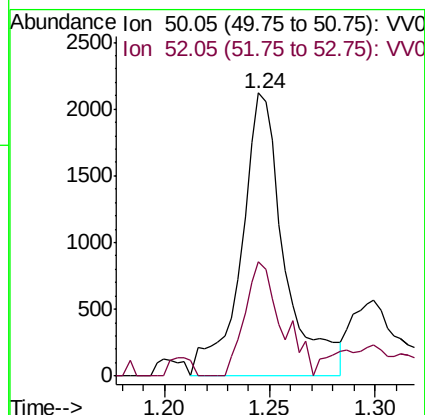
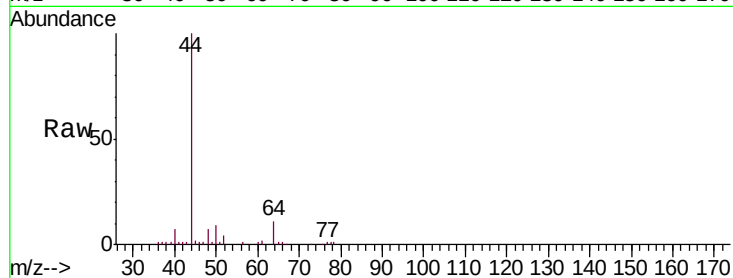
BFCL4DL

Tgt Ion: 50 Resp: 3017

Ion Ratio Lower Upper

50 100

52 40.6 22.7 42.1



#6

Bromomethane

Concen: 0.204 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV011583.D

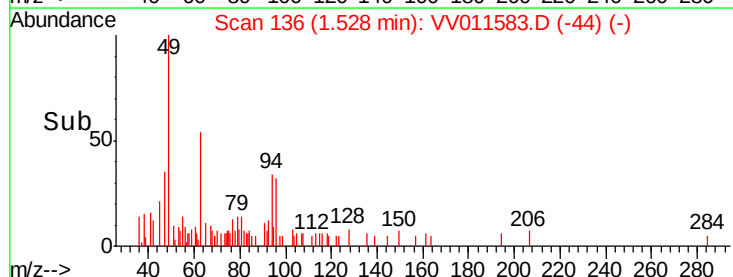
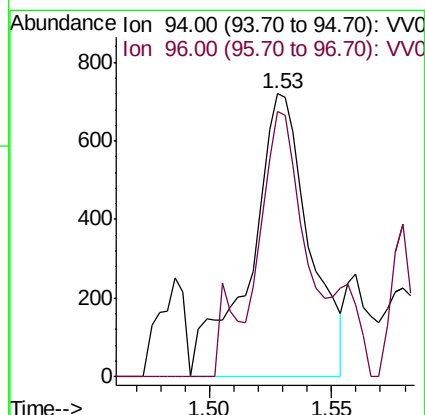
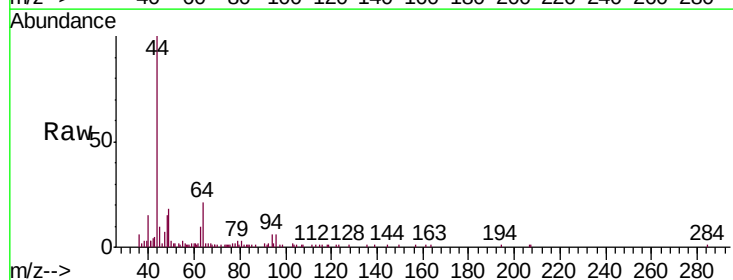
Acq: 18 Jun 2019 19:02

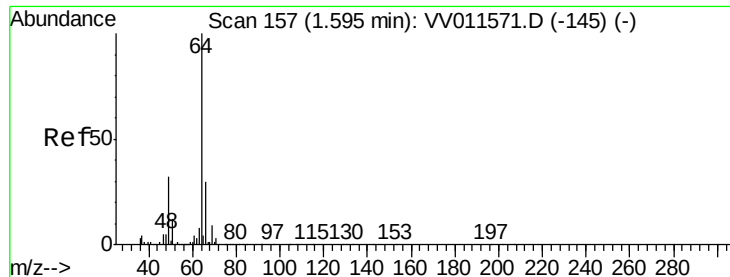
Tgt Ion: 94 Resp: 1195

Ion Ratio Lower Upper

94 100

96 93.9 65.5 121.7





#8

Chloroethane

Concen: 0.132 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.01 min

Lab File: VV011583.D

Acq: 18 Jun 2019 19:02

Instrument :

MSVOA_V

ClientSampleId :

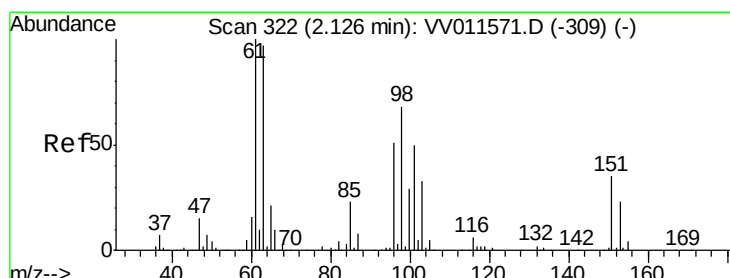
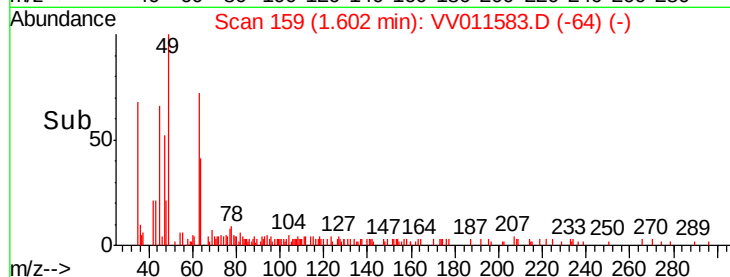
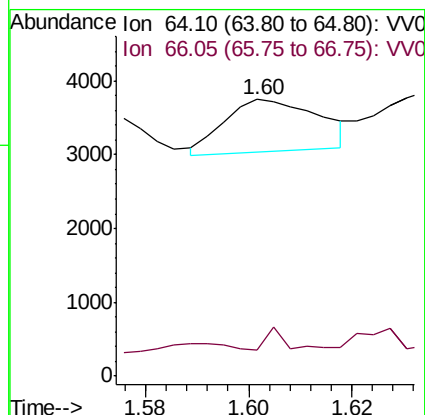
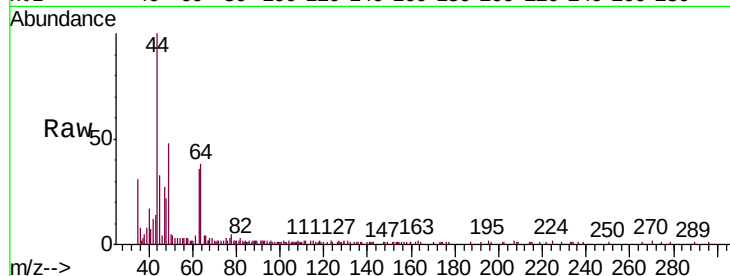
BFCL4DL

Tgt Ion: 64 Resp: 897

Ion Ratio Lower Upper

64 100

66 9.3 21.6 40.2#



#10

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

Concen: 0.090 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.02 min

Lab File: VV011583.D

Acq: 18 Jun 2019 19:02

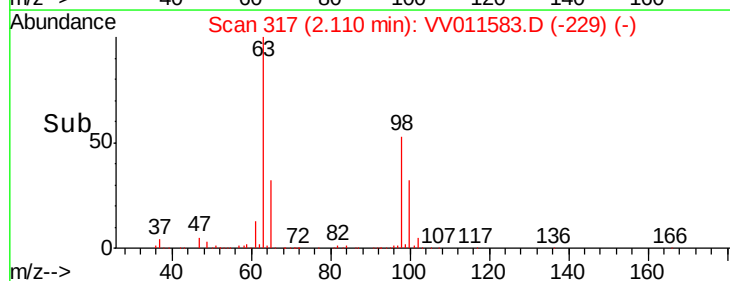
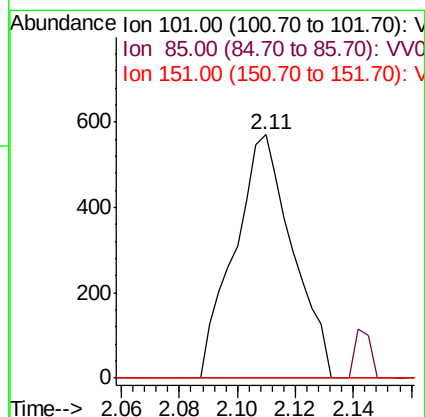
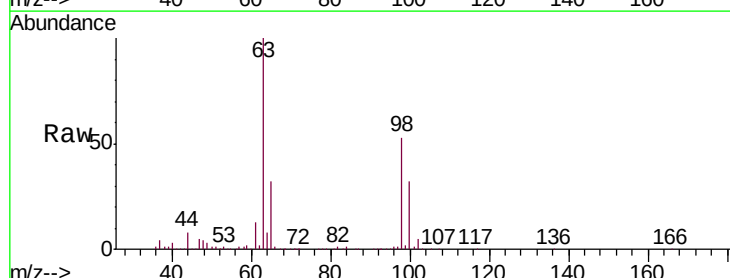
Tgt Ion: 101 Resp: 790

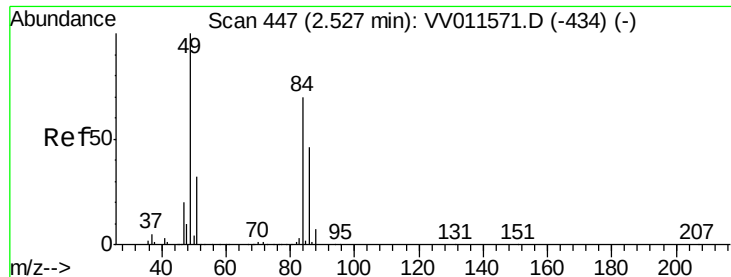
Ion Ratio Lower Upper

101 100

85 5.2 37.3 55.9#

151 0.0 59.4 89.2#

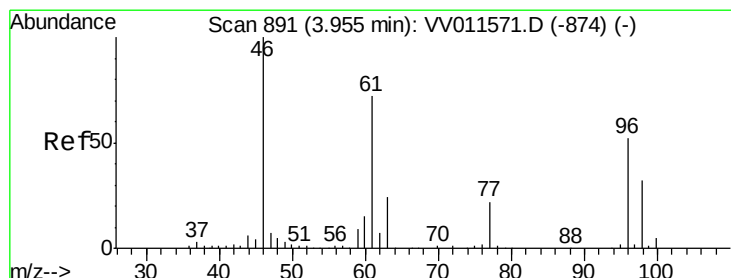
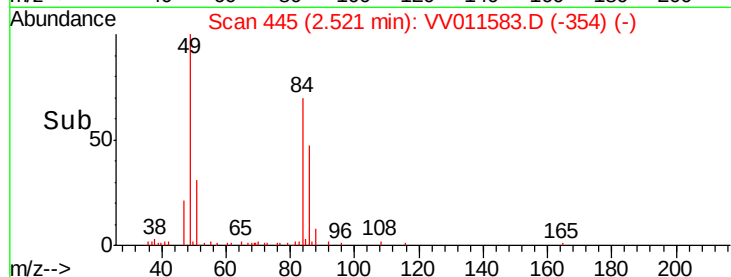
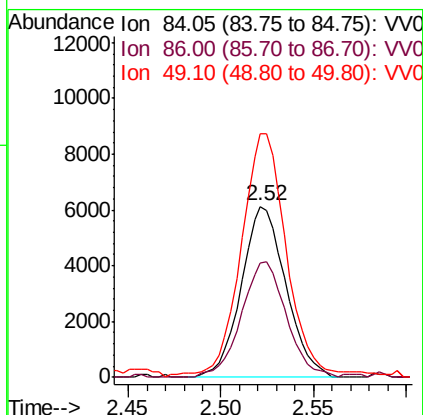
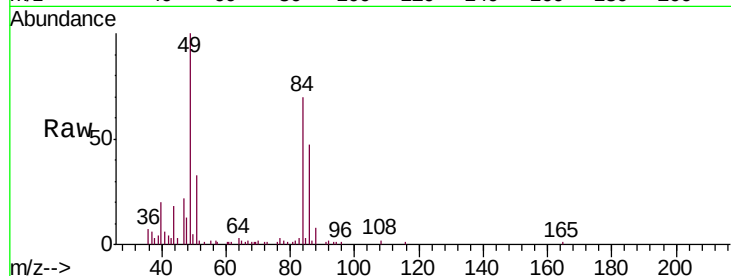




#16
Methylene chloride
Concen: 0.989 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.01 min
Lab File: VV011583.D
Acq: 18 Jun 2019 19:02

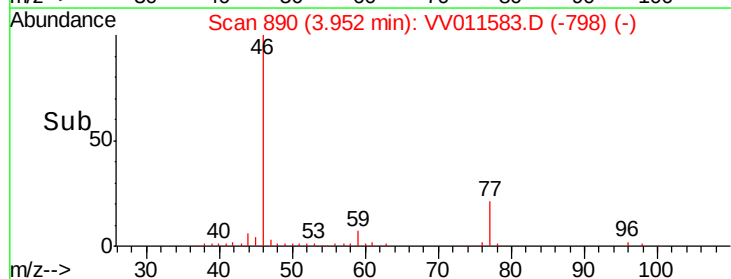
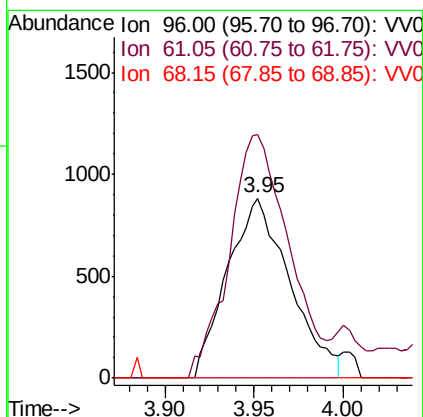
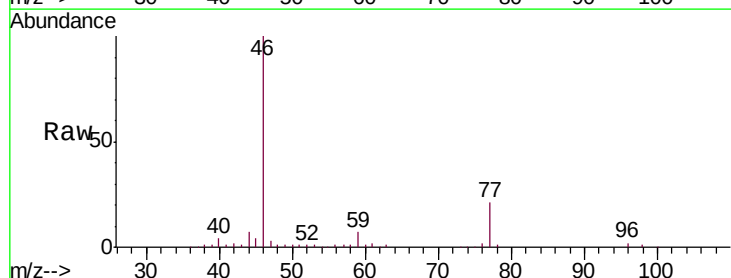
Instrument :
MSVOA_V
ClientSampled :
BFCL4DL

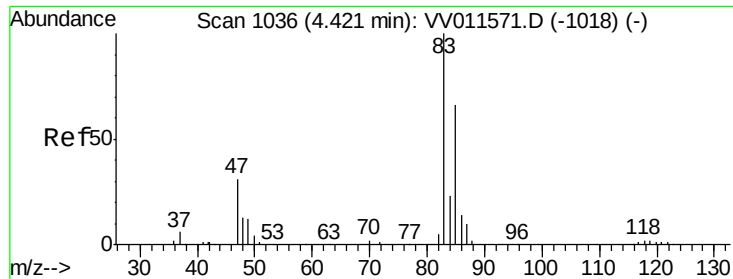
Tgt Ion: 84 Resp: 10277
Ion Ratio Lower Upper
84 100
86 67.2 42.5 78.9
49 142.3 97.7 181.5



#22
cis-1,2-Dichloroethene
Concen: 0.184 ug/L
RT: 3.95 min Scan# 890
Delta R.T. -0.00 min
Lab File: VV011583.D
Acq: 18 Jun 2019 19:02

Tgt Ion: 96 Resp: 2157
Ion Ratio Lower Upper
96 100
61 135.5 102.2 189.8
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.106 ug/L

RT: 4.41 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VV011583.D

Acq: 18 Jun 2019 19:02

Instrument :

MSVOA_V

ClientSampleId :

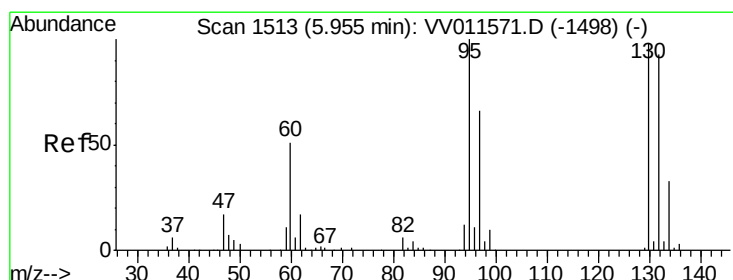
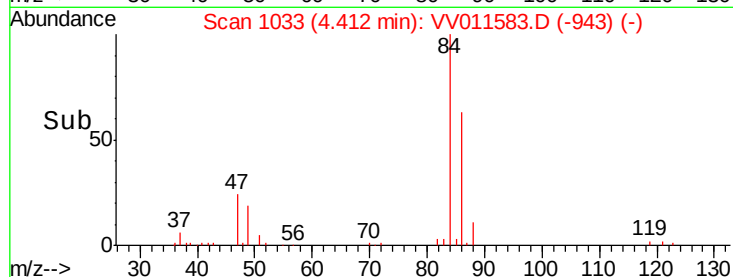
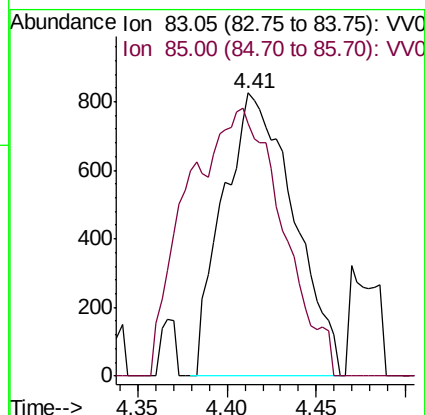
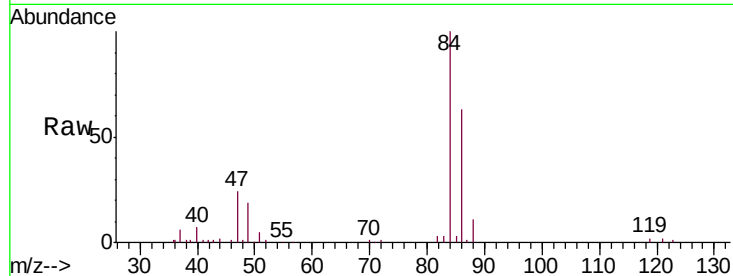
BFCL4DL

Tgt Ion: 83 Resp: 2282

Ion Ratio Lower Upper

83 100

85 89.2 44.6 82.8#



#34

Trichloroethene

Concen: 5.939 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011583.D

Acq: 18 Jun 2019 19:02

Tgt Ion: 95 Resp: 68714

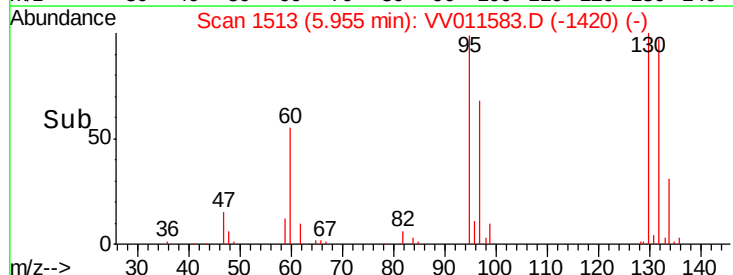
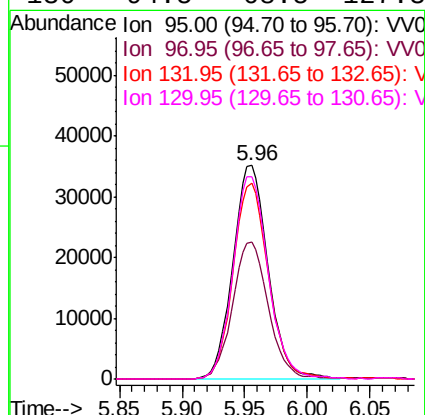
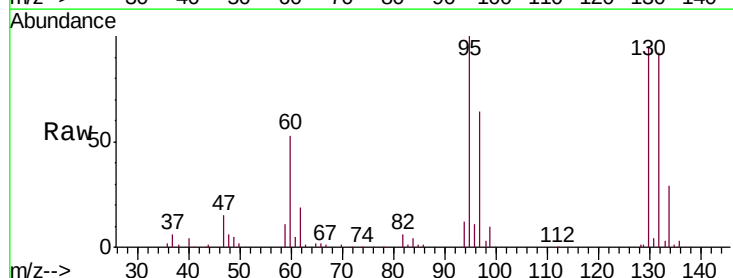
Ion Ratio Lower Upper

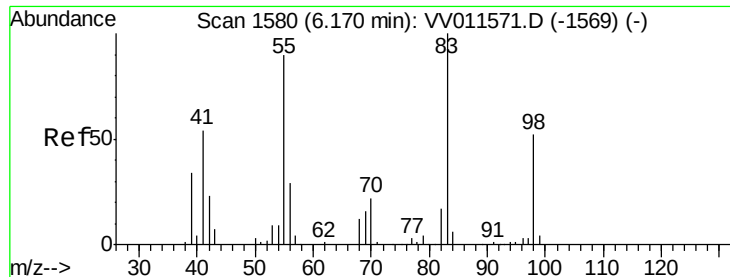
95 100

97 64.1 44.4 82.4

132 91.9 63.5 117.9

130 94.5 68.5 127.3

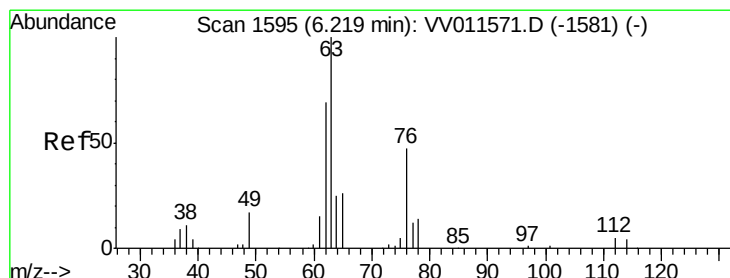
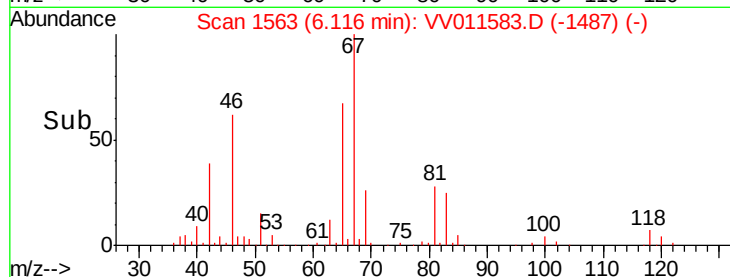
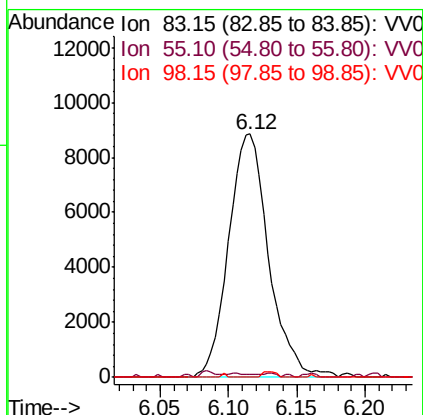
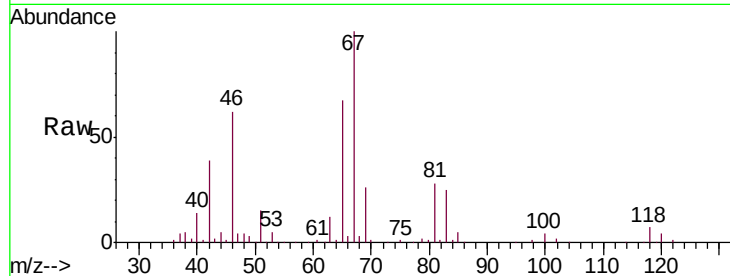




#35
Methylcyclohexane
Concen: 1.095 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011583.D
Acq: 18 Jun 2019 19:02

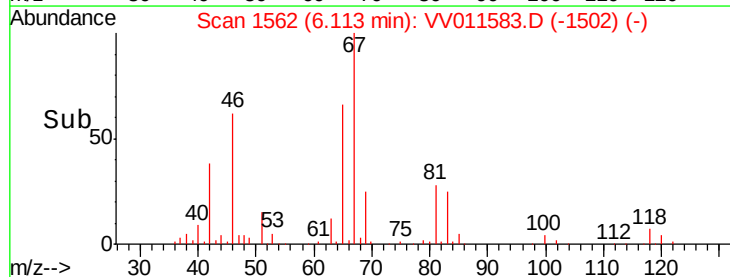
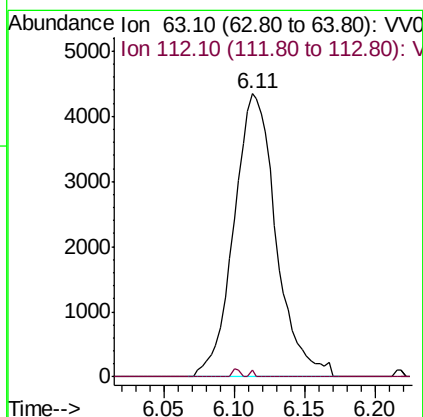
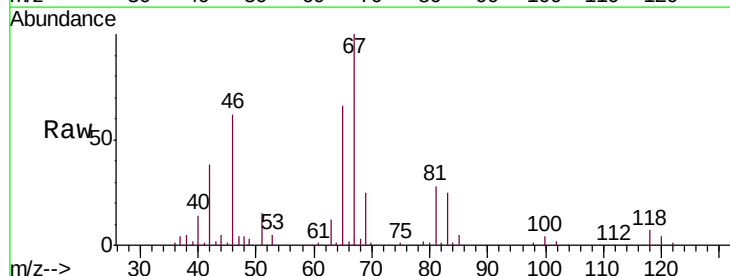
Instrument :
MSVOA_V
ClientSampleId :
BFCL4DL

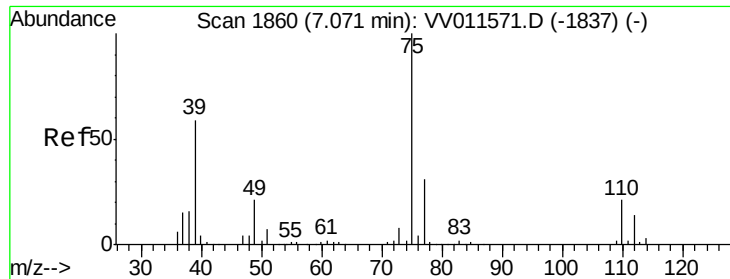
Tgt Ion: 83 Resp: 18056
Ion Ratio Lower Upper
83 100
55 1.0 67.9 101.9#
98 0.0 39.6 59.4#



#37
1,2-Dichloropropane
Concen: 0.753 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV011583.D
Acq: 18 Jun 2019 19:02

Tgt Ion: 63 Resp: 9092
Ion Ratio Lower Upper
63 100
112 0.2 3.7 5.5#

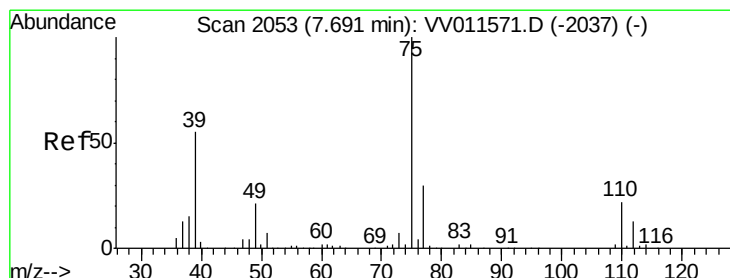
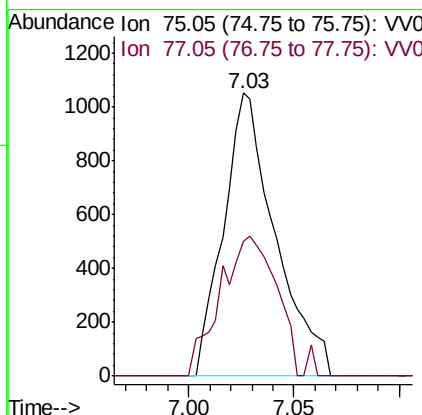
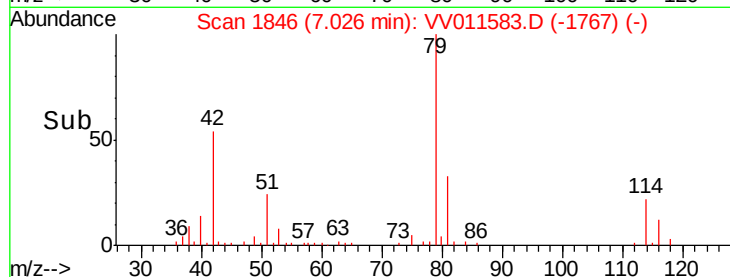
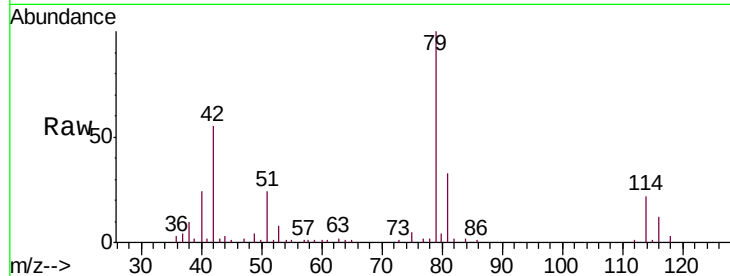




#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV011583.D
 Acq: 18 Jun 2019 19:02

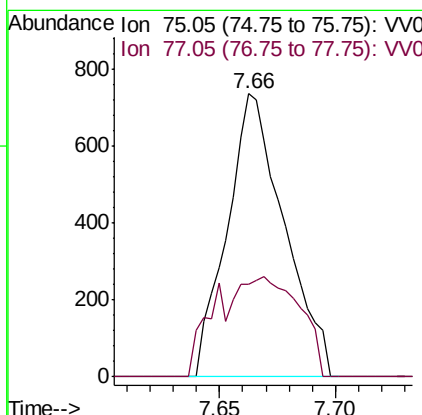
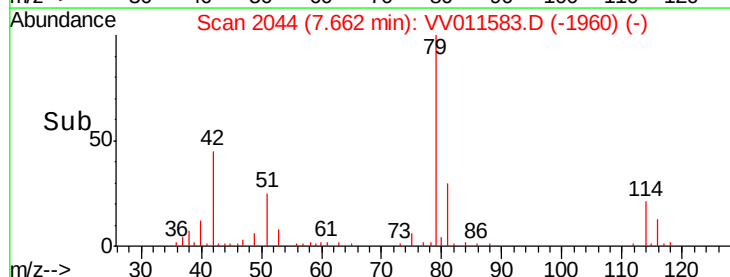
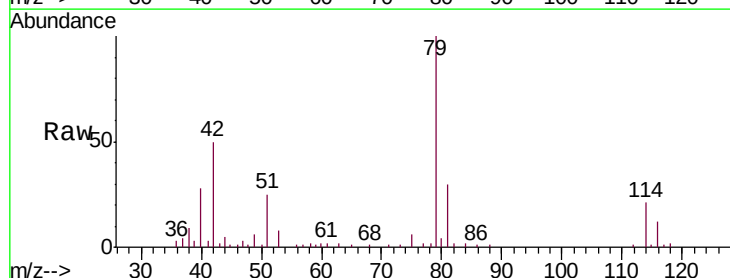
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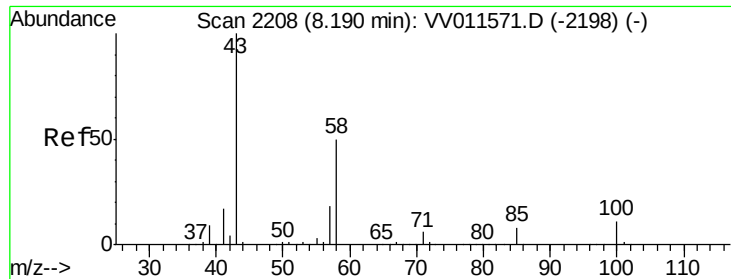
Tgt Ion: 75 Resp: 1795
 Ion Ratio Lower Upper
 75 100
 77 47.4 20.6 38.4#



#44
 trans-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV011583.D
 Acq: 18 Jun 2019 19:02

Tgt Ion: 75 Resp: 1258
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.8 42.4





#48
 2-Hexanone
 Concen: 3.351 ug/L
 RT: 8.14 min Scan# 2193
 Delta R.T. -0.05 min
 Lab File: VV011583.D
 Acq: 18 Jun 2019 19:02

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL4DL

Tgt Ion:	43	Resp:	20281
Ion	Ratio	Lower	Upper
43	100		
58	27.8	40.6	60.8#
57	26.7	14.2	21.4#
100	1.7	8.6	12.8#

