

Data File : VV012650.D
Acq On : 10 Sep 2019 12:03
Operator : SY/MD
Sample : K4724-06DL 5X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFDA7DL

Quant Time: Sep 11 05:24:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 05:21:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	478027	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	467433	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	181499	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	138981	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.58	69	124203	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.13	63	168561	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	3.93	46	369595	47.36	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.72%
24) Chloroform-d	4.40	84	265173	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.08	65	134628	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.09	84	505617	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.11	67	172033	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.36	98	403857	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	7.66	79	51771	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.13	63	184171	39.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	107899	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	159965	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

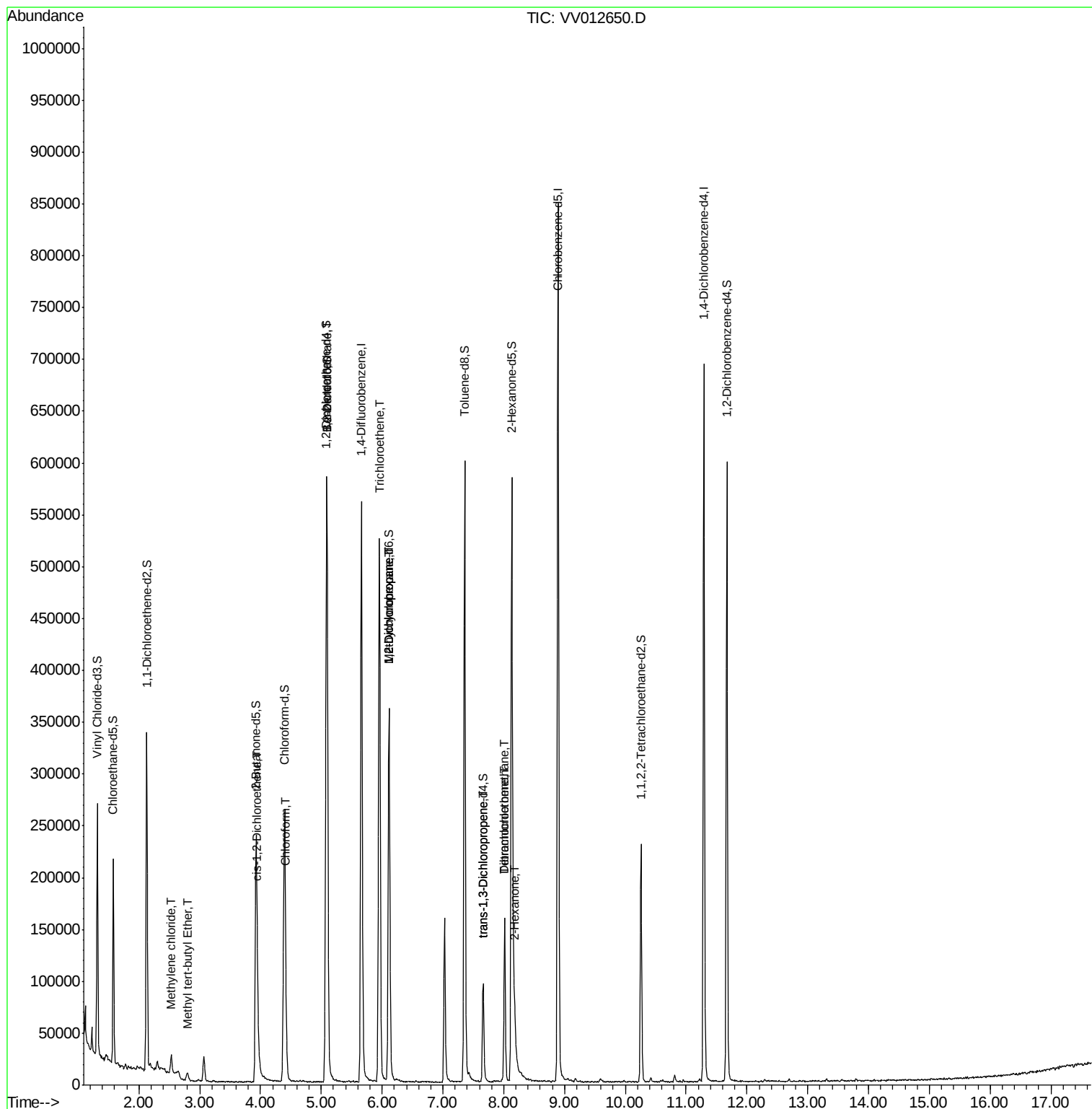
						Qvalue
16) Methylene chloride	2.53	84	7114	0.196	ug/L	94
17) Methyl tert-butyl Ether	2.80	73	6104	0.088	ug/L #	91
22) cis-1,2-Dichloroethene	3.96	96	2552	0.070	ug/L	94
25) Chloroform	4.42	83	14986	0.217	ug/L	99
27) 1,2-Dichloroethane	5.09	62	2883	0.079	ug/L	100
34) Trichloroethene	5.96	95	175361	4.645	ug/L	99
35) Methylcyclohexane	6.11	83	41228	0.773	ug/L #	18
37) 1,2-Dichloropropane	6.11	63	18845	0.554	ug/L #	90
44) trans-1,3-Dichloropropene	7.66	75	2435	0.072	ug/L	94
47) Tetrachloroethene	8.02	164	36110	1.219	ug/L	96
48) 2-Hexanone	8.18	43	36546	2.708	ug/L #	80
49) Dibromochloromethane	8.02	129	31764	1.127	ug/L #	11

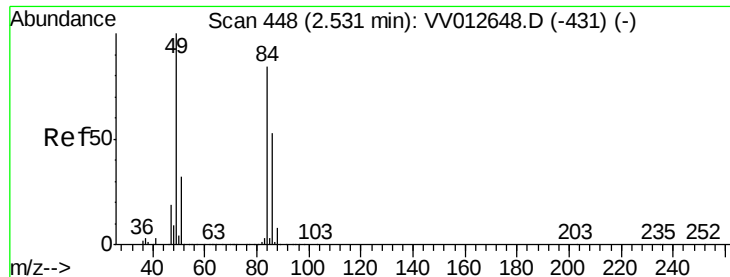
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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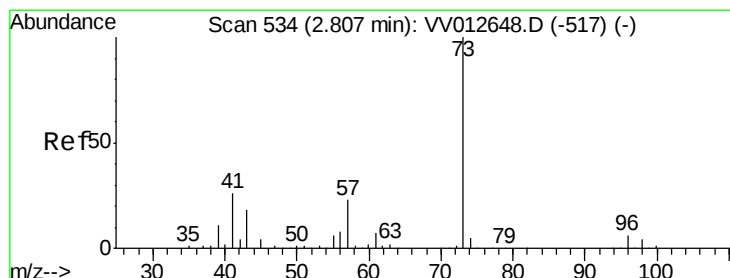
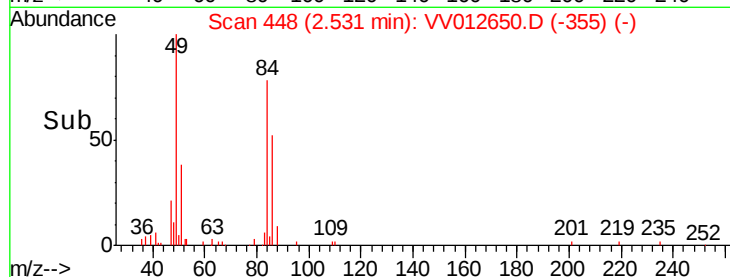
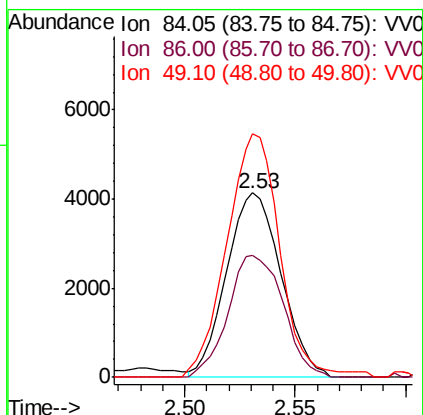
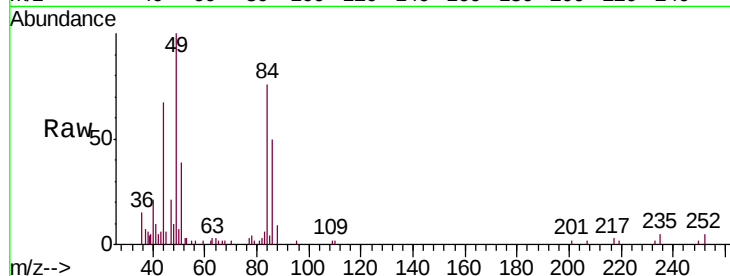




#16
Methylene chloride
Concen: 0.196 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV012650.D
Acq: 10 Sep 2019 12:03

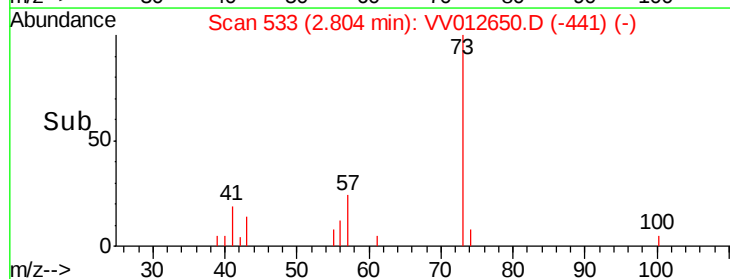
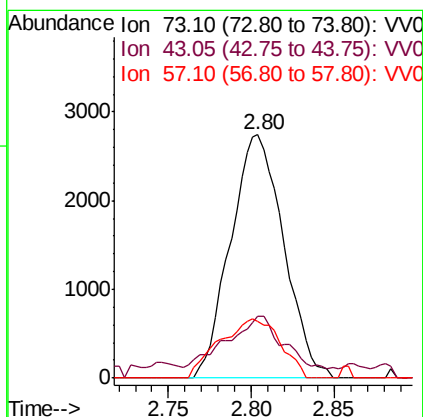
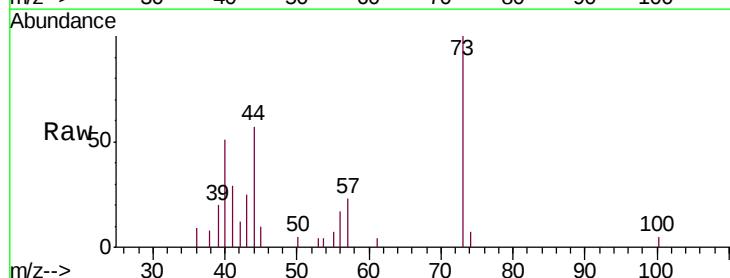
Instrument :
MSVOA_V
ClientSampleId :
BFDA7DL

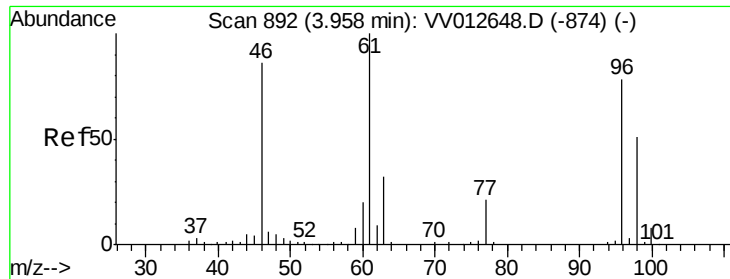
Tgt Ion: 84 Resp: 7114
Ion Ratio Lower Upper
84 100
86 66.2 46.1 85.7
49 131.8 85.3 158.3



#17
Methyl tert-butyl Ether
Concen: 0.088 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV012650.D
Acq: 10 Sep 2019 12:03

Tgt Ion: 73 Resp: 6104
Ion Ratio Lower Upper
73 100
43 21.1 14.6 21.8
57 27.6 18.2 27.2#



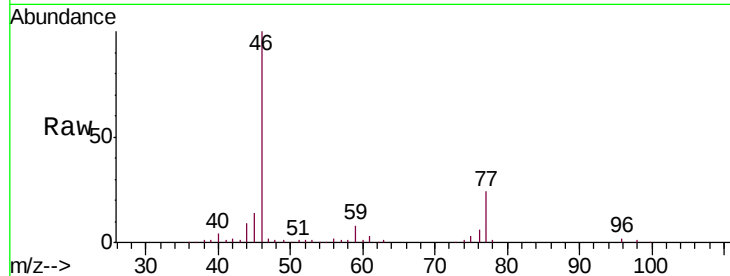


#22

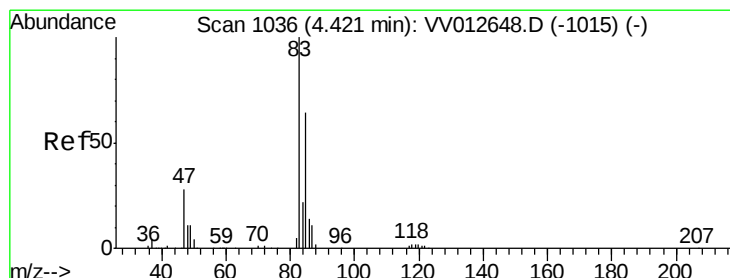
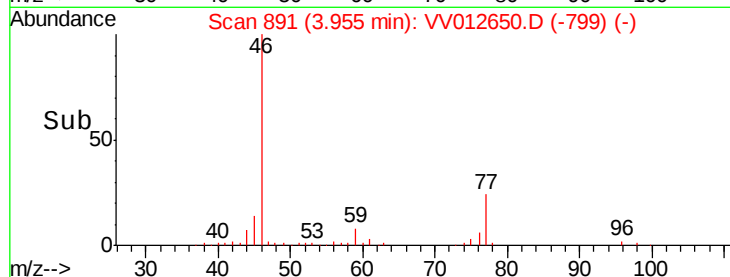
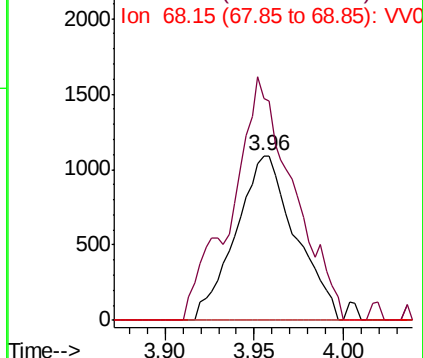
cis-1,2-Dichloroethene
Concen: 0.070 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV012650.D
Acq: 10 Sep 2019 12:03

Instrument :
MSVOA_V
ClientSampleId :
BFDA7DL

Tgt Ion: 96 Resp: 2552
Ion Ratio Lower Upper
96 100
61 135.0 89.7 166.5
68 0.0 0.0 0.0



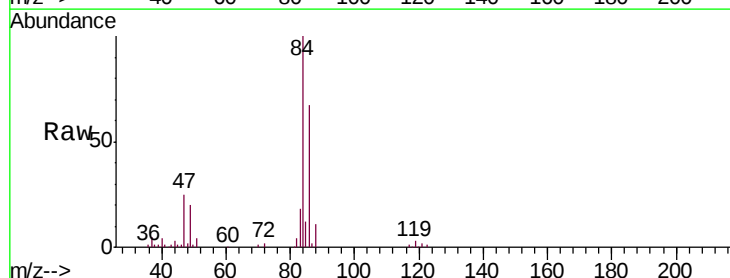
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



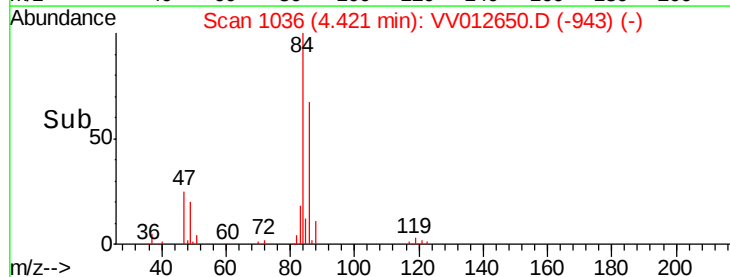
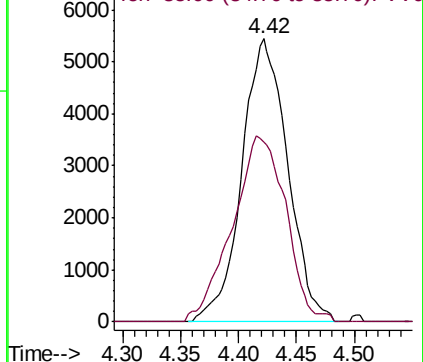
#25

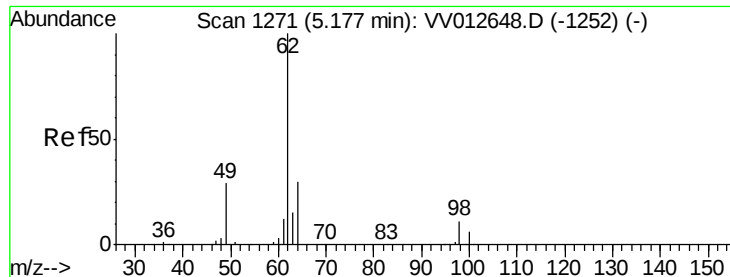
Chloroform
Concen: 0.217 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV012650.D
Acq: 10 Sep 2019 12:03

Tgt Ion: 83 Resp: 14986
Ion Ratio Lower Upper
83 100
85 63.7 45.3 84.1



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





#27

1,2-Dichloroethane

Concen: 0.079 ug/L

RT: 5.09 min Scan# 1243

Delta R.T. -0.09 min

Lab File: VV012650.D

Acq: 10 Sep 2019 12:03

Instrument :

MSVOA_V

ClientSampled :

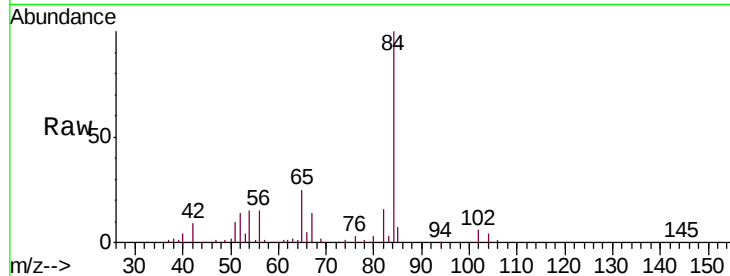
BFDA7DL

Tgt Ion: 62 Resp: 2883

Ion Ratio Lower Upper

62 100

98 10.7 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VV012648.D (-1252) (-)

Ion 98.05 (97.75 to 98.75): VV012648.D (-1252) (-)

5.09

1500

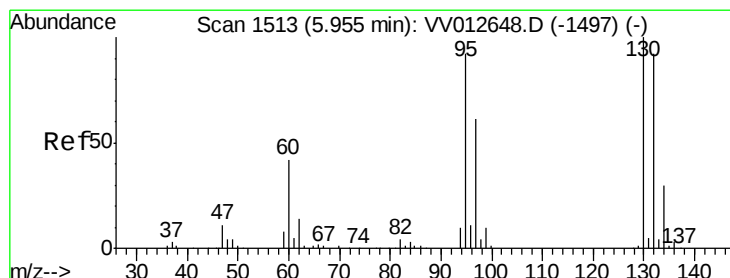
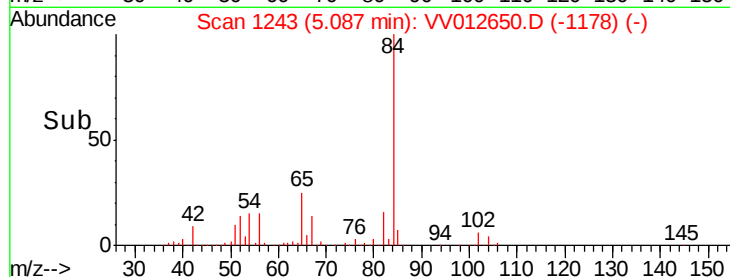
1000

500

0

5.05 5.10 5.15

Time-->



#34

Trichloroethene

Concen: 4.645 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012650.D

Acq: 10 Sep 2019 12:03

Tgt Ion: 95 Resp: 175361

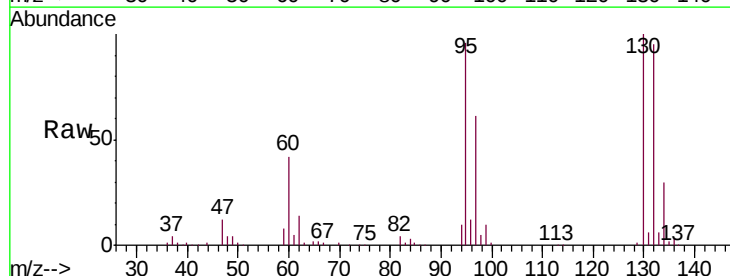
Ion Ratio Lower Upper

95 100

97 63.5 45.4 84.2

132 98.9 70.2 130.4

130 104.7 74.2 137.8



Abundance Ion 95.00 (94.70 to 95.70): VV012648.D (-1497) (-)

Ion 96.95 (96.65 to 97.65): VV012648.D (-1497) (-)

Ion 131.95 (131.65 to 132.65): VV012648.D (-1497) (-)

Ion 129.95 (129.65 to 130.65): VV012648.D (-1497) (-)

150000

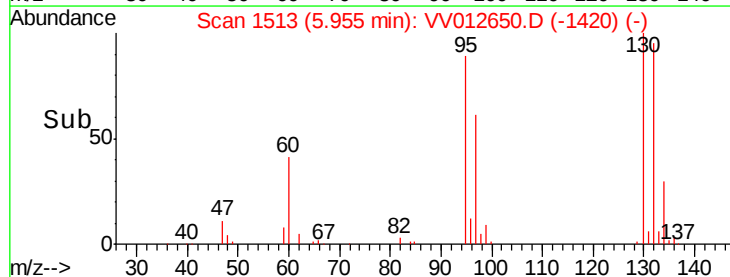
100000

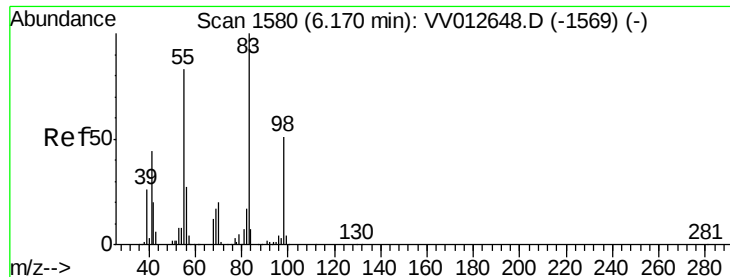
50000

0

5.85 5.90 5.95 6.00 6.05

Time-->





#35

Methylcyclohexane

Concen: 0.773 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV012650.D

Acq: 10 Sep 2019 12:03

Instrument :

MSVOA_V

ClientSampleId :

BFDA7DL

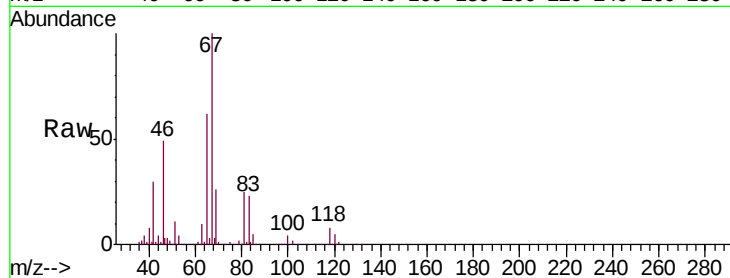
Tgt Ion: 83 Resp: 41228

Ion Ratio Lower Upper

83 100

55 0.5 63.0 94.4#

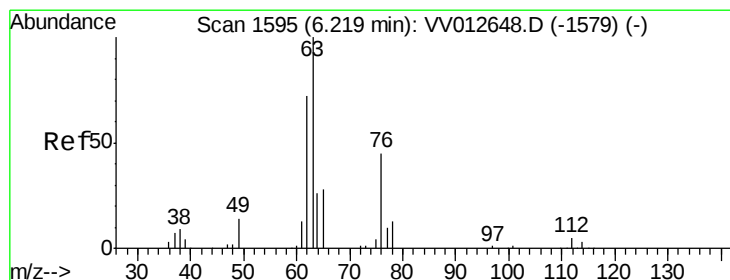
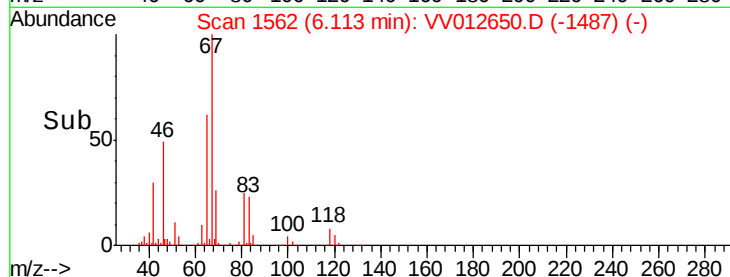
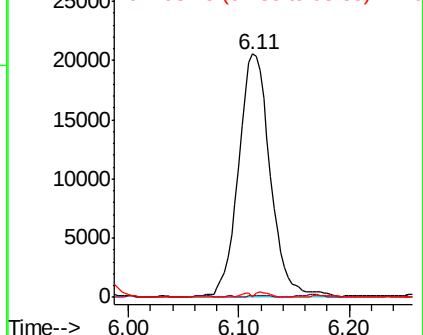
98 0.9 39.8 59.8#



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: 0.554 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.11 min

Lab File: VV012650.D

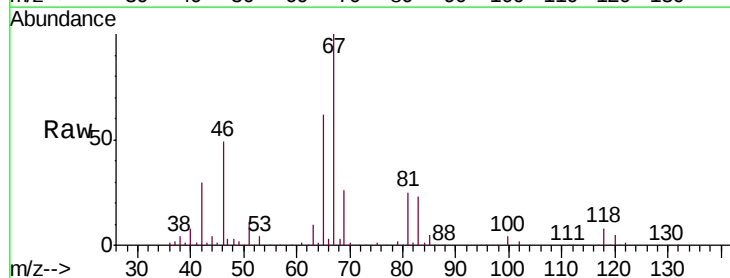
Acq: 10 Sep 2019 12:03

Tgt Ion: 63 Resp: 18845

Ion Ratio Lower Upper

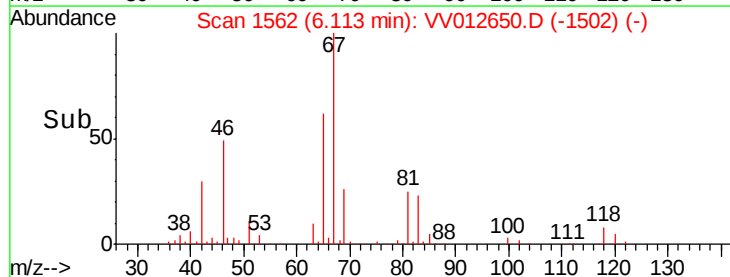
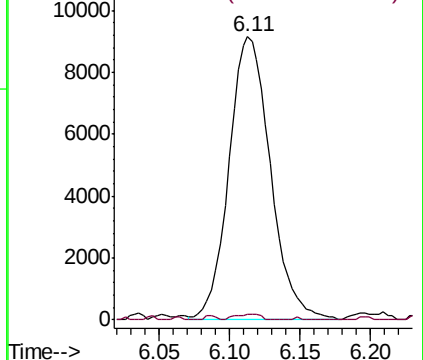
63 100

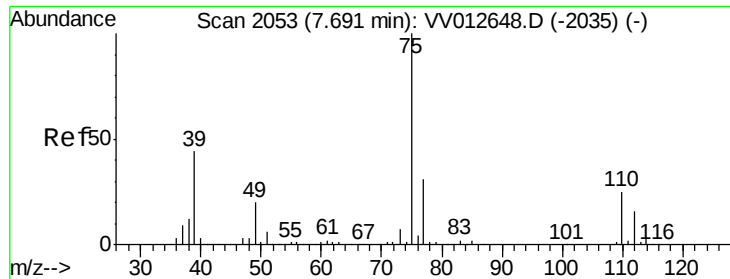
112 1.2 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012650.D

Acq: 10 Sep 2019 12:03

Instrument :

MSVOA_V

ClientSampleId :

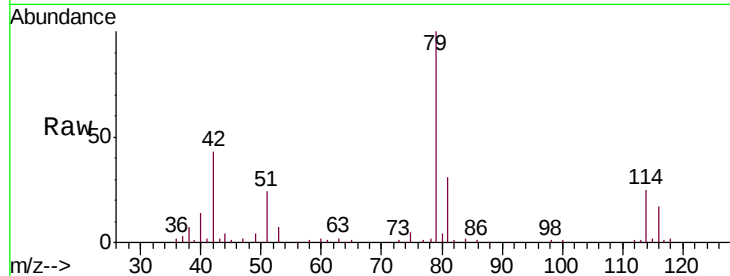
BFDA7DL

Tgt Ion: 75 Resp: 2435

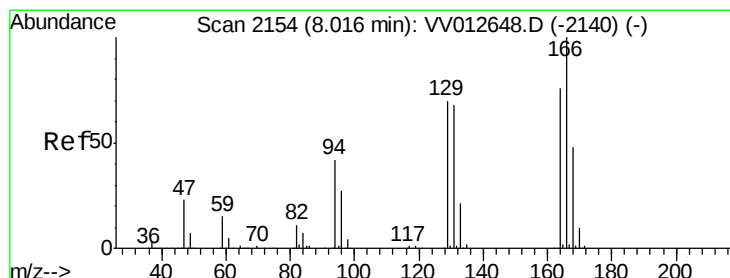
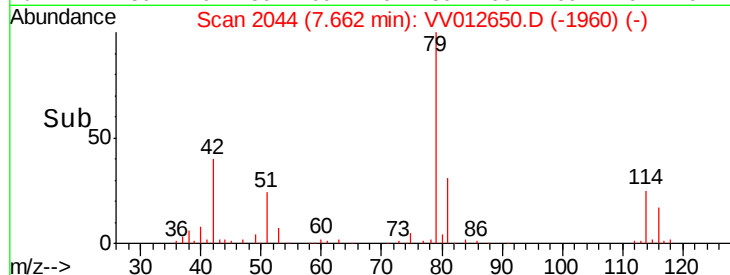
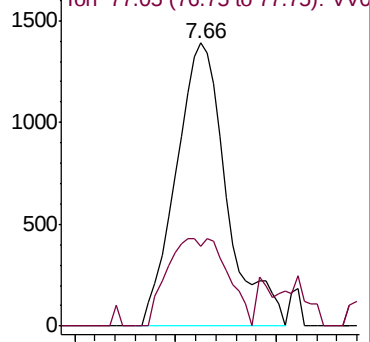
Ion Ratio Lower Upper

75 100

77 28.4 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV012648.D (-2035) (-)



#47

Tetrachloroethene

Concen: 1.219 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012650.D

Acq: 10 Sep 2019 12:03

Tgt Ion: 164 Resp: 36110

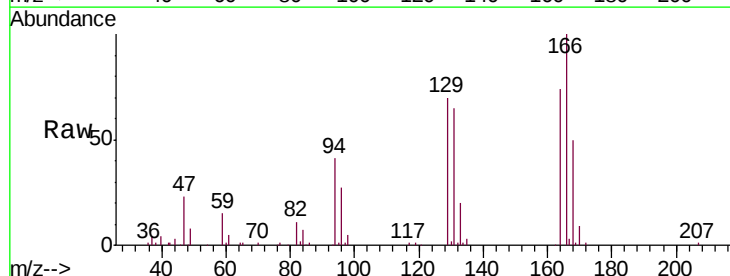
Ion Ratio Lower Upper

164 100

129 94.3 61.9 114.9

131 87.5 59.7 110.9

166 134.3 90.4 167.8

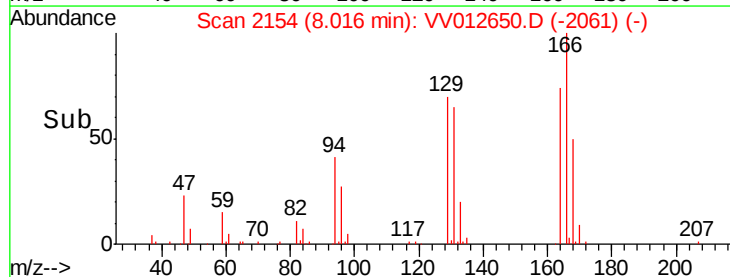
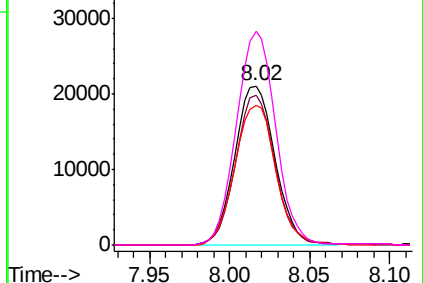


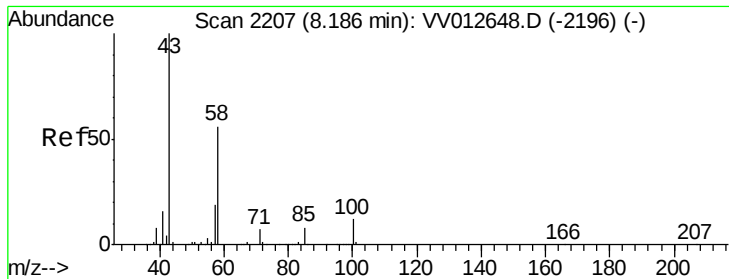
Abundance Ion 163.90 (163.60 to 164.60): VV012648.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV012648.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV012648.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV012648.D (-2140) (-)

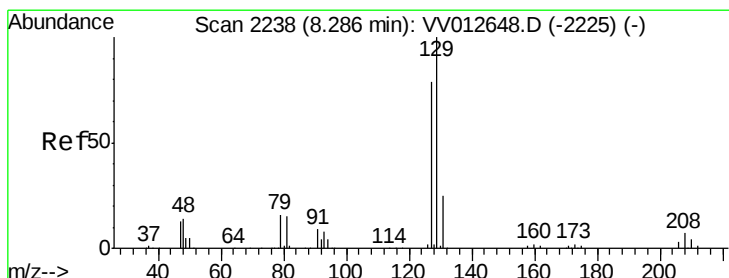
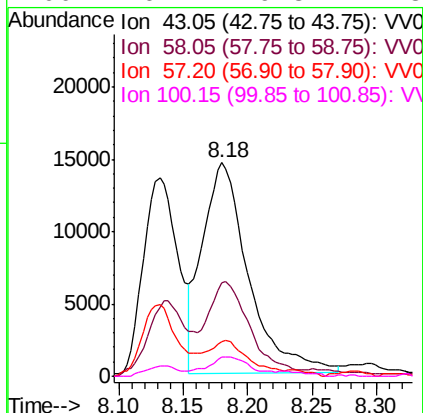
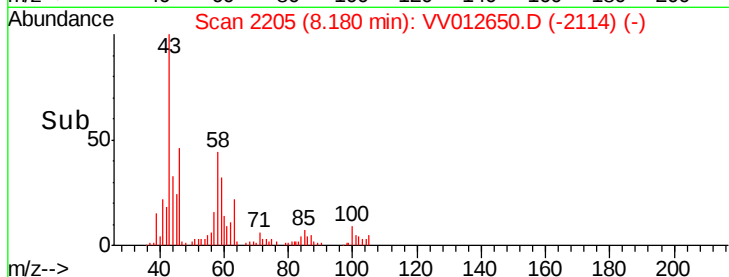
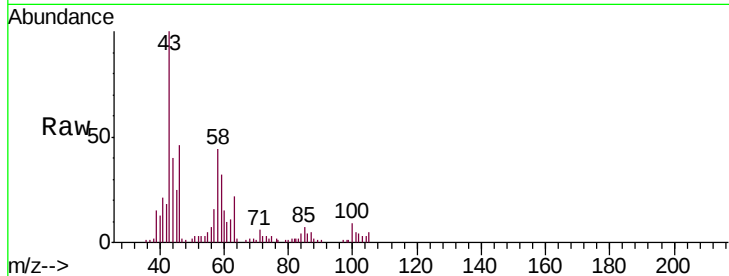




#48
2-Hexanone
Concen: 2.708 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012650.D
Acq: 10 Sep 2019 12:03

Instrument :
MSVOA_V
ClientSampleId :
BFDA7DL

Tgt Ion: 43 Resp: 36546
Ion Ratio Lower Upper
43 100
58 39.2 44.8 67.2#
57 11.6 14.9 22.3#
100 6.2 9.8 14.8#



#49
Dibromochloromethane
Concen: 1.127 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012650.D
Acq: 10 Sep 2019 12:03

Tgt Ion: 129 Resp: 31764
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#

