

Data File : VV012617.D
Acq On : 06 Sep 2019 23:58
Operator : SY/MD
Sample : K4685-09DL 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD78DL

Quant Time: Sep 07 01:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	149295	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	150566	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	52648	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62094	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.58	69	64655	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.12	63	105596	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	3.97	46	174817	64.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.40%
24) Chloroform-d	4.40	84	106070	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.08	65	62265	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
32) Benzene-d6	5.09	84	188534	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.12	67	64238	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.36	98	143149	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.66	79	19764	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.14	63	93346	56.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.78%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	45240	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	48850	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

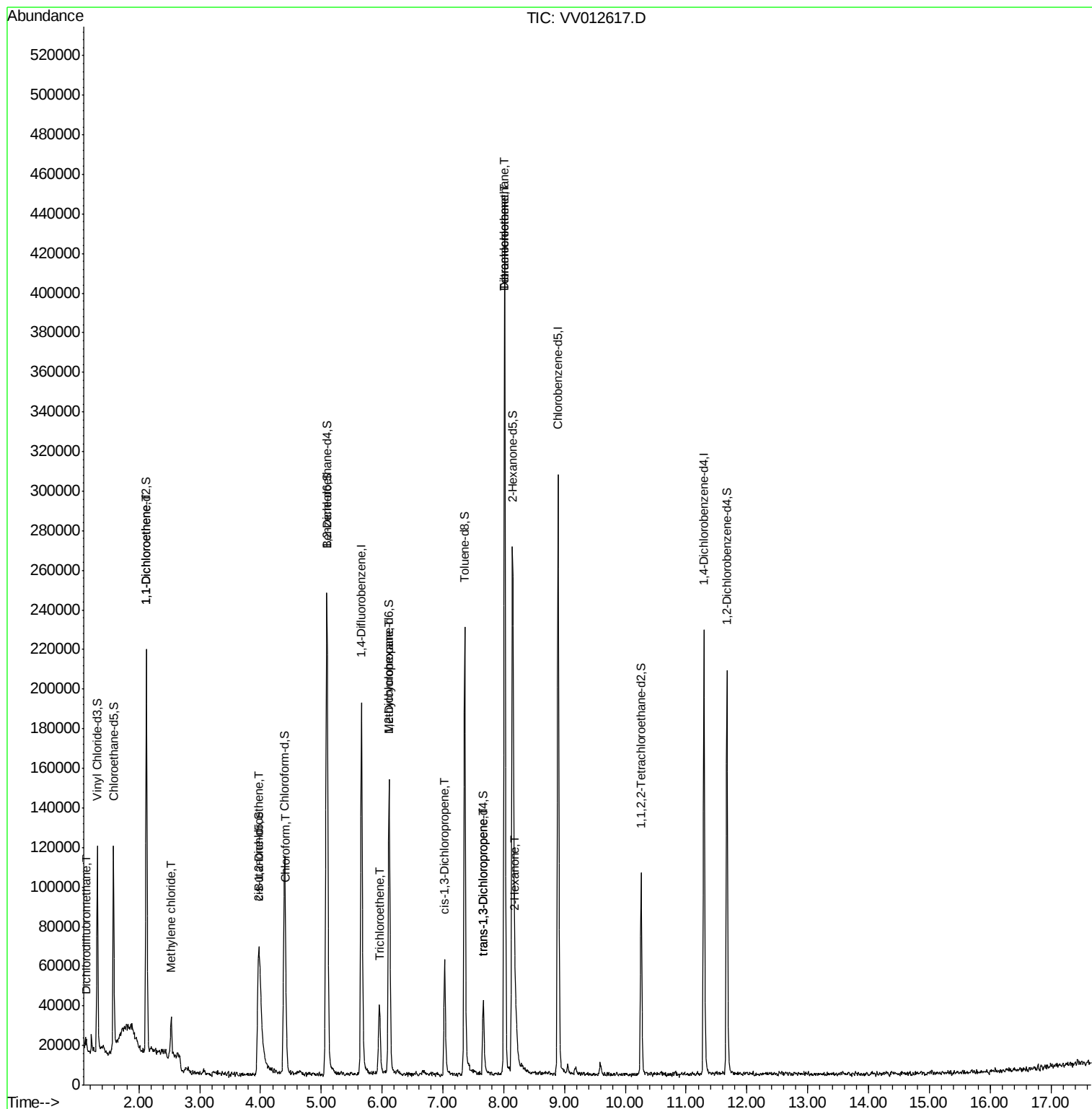
					Qvalue
2) Dichlorodifluoromethane	1.14	85	3777	0.241 ug/L	97
12) 1,1-Dichloroethene	2.13	96	6320	0.355 ug/L #	1
16) Methylene chloride	2.53	84	8390	0.407 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	1115	0.080 ug/L #	95
25) Chloroform	4.42	83	6439	0.219 ug/L	100
34) Trichloroethene	5.96	95	9766	0.643 ug/L	95
35) Methylcyclohexane	6.11	83	15689	0.692 ug/L #	16
39) cis-1,3-Dichloropropene	7.03	75	1930	0.103 ug/L #	76
44) trans-1,3-Dichloropropene	7.67	75	1275	0.089 ug/L #	54
47) Tetrachloroethene	8.02	164	89173	8.056 ug/L	99
48) 2-Hexanone	8.19	43	18118	3.015 ug/L #	53
49) Dibromochloromethane	8.02	129	81193	7.396 ug/L #	12

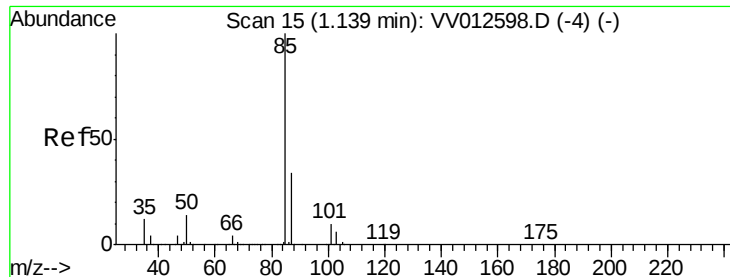
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.241 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012617.D

Acq: 06 Sep 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

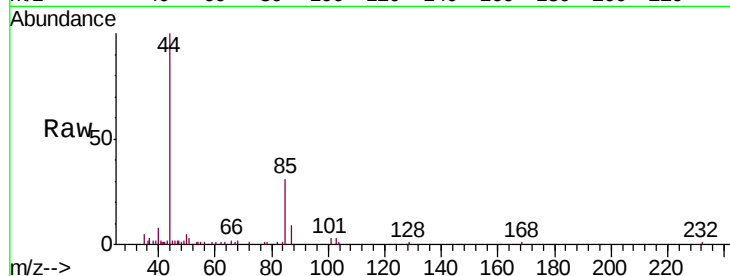
BFD78DL

Tgt Ion: 85 Resp: 3777

Ion Ratio Lower Upper

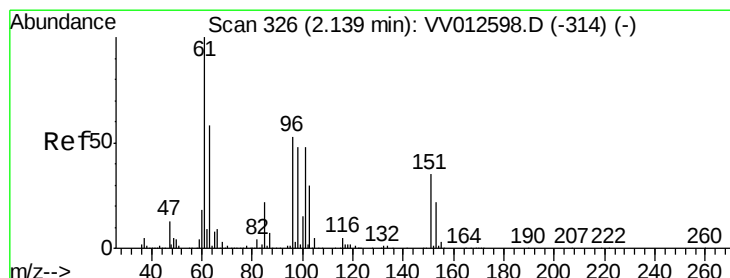
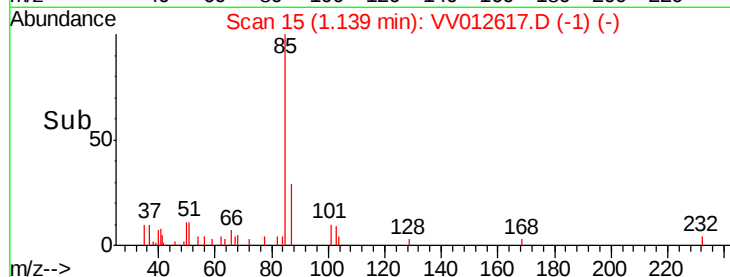
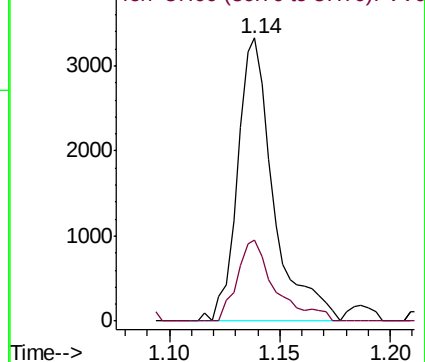
85 100

87 29.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#12

1,1-Dichloroethene

Concen: 0.355 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012617.D

Acq: 06 Sep 2019 23:58

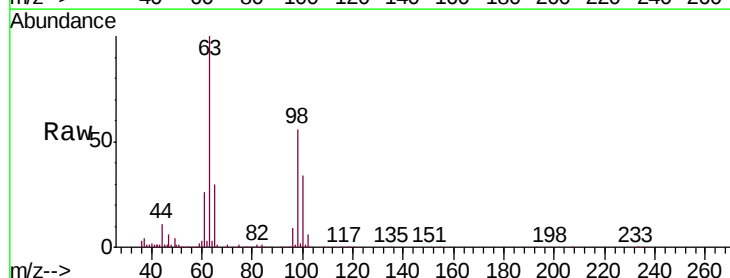
Tgt Ion: 96 Resp: 6320

Ion Ratio Lower Upper

96 100

61 308.3 132.7 246.5#

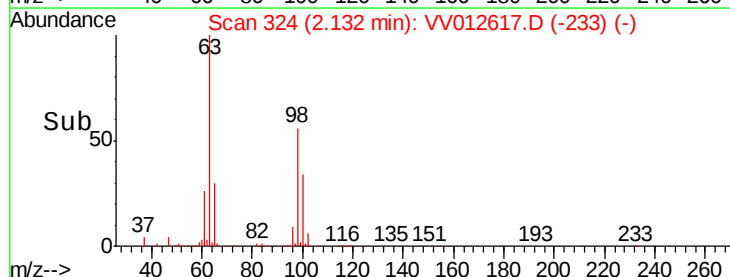
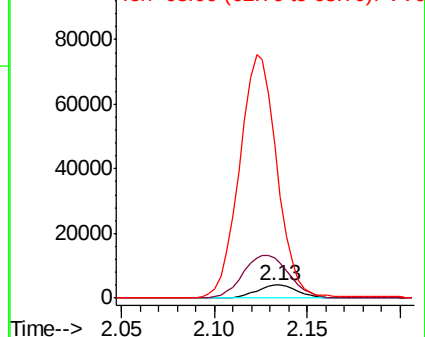
63 1166.6 84.1 156.1#

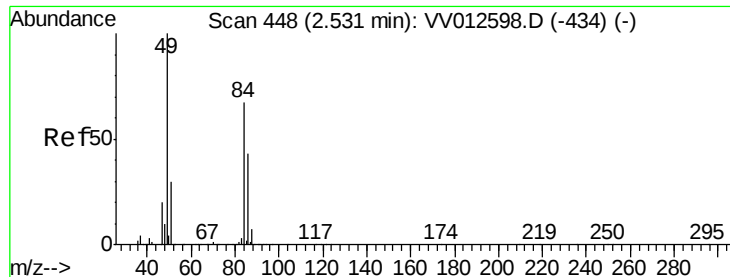


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

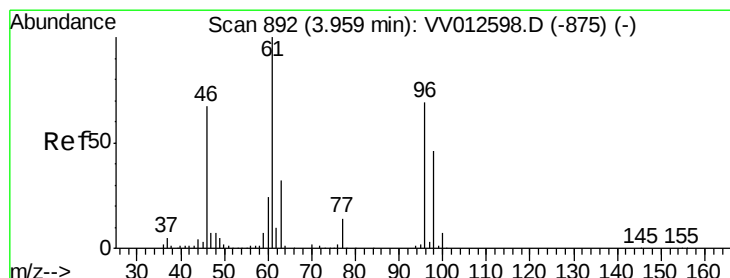
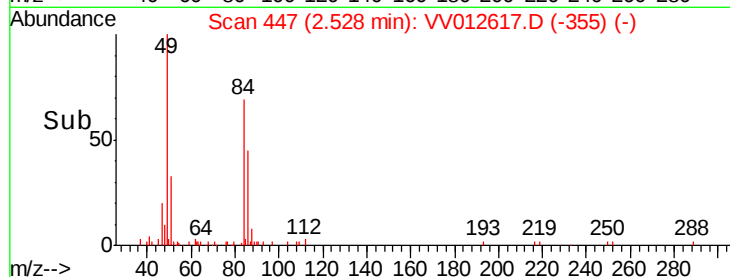
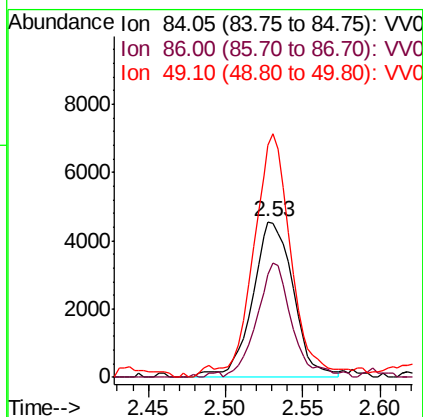
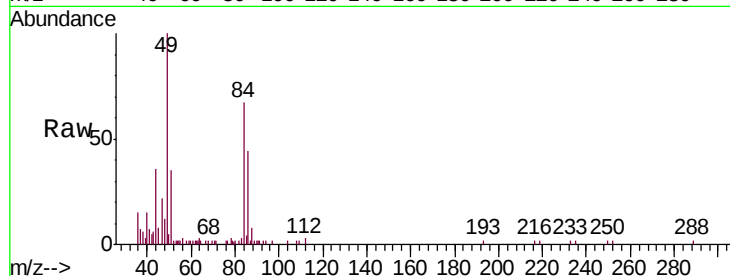




#16
Methylene chloride
Concen: 0.407 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV012617.D
Acq: 06 Sep 2019 23:58

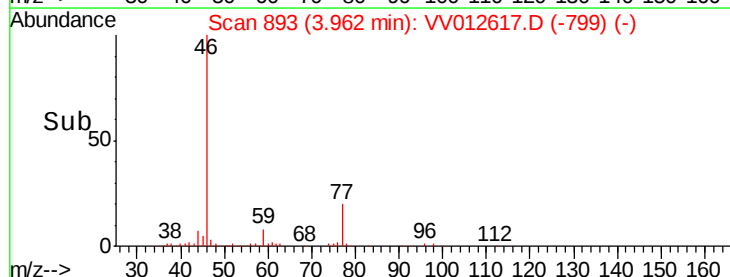
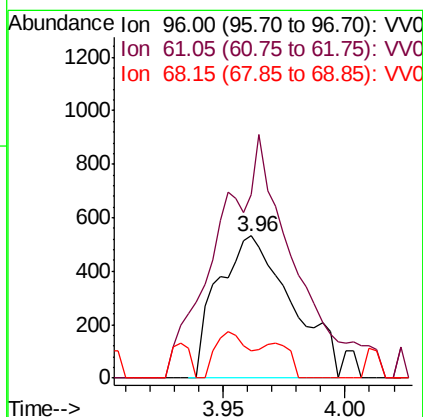
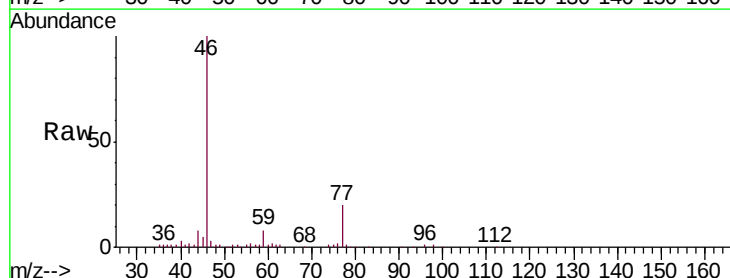
Instrument :
MSVOA_V
ClientSampleId :
BFD78DL

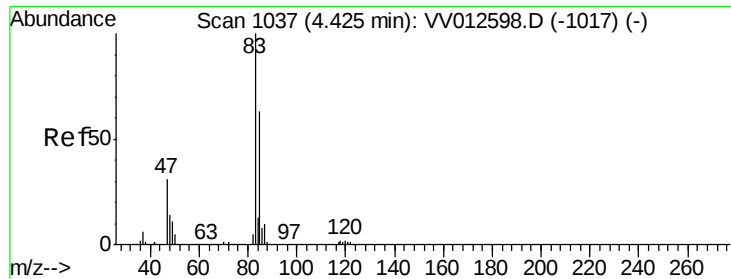
Tgt Ion: 84 Resp: 8390
Ion Ratio Lower Upper
84 100
86 66.0 43.6 81.0
49 148.7 103.0 191.2



#22
cis-1,2-Dichloroethene
Concen: 0.080 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012617.D
Acq: 06 Sep 2019 23:58

Tgt Ion: 96 Resp: 1115
Ion Ratio Lower Upper
96 100
61 128.3 93.9 174.5
68 19.3 0.0 0.0#





#25

Chloroform

Concen: 0.219 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV012617.D

Acq: 06 Sep 2019 23:58

Instrument :

MSVOA_V

ClientSampled :

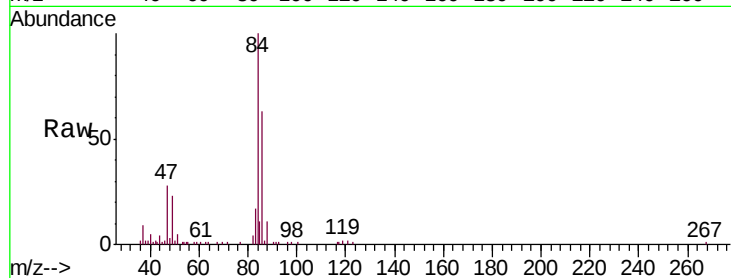
BFD78DL

Tgt Ion: 83 Resp: 6439

Ion Ratio Lower Upper

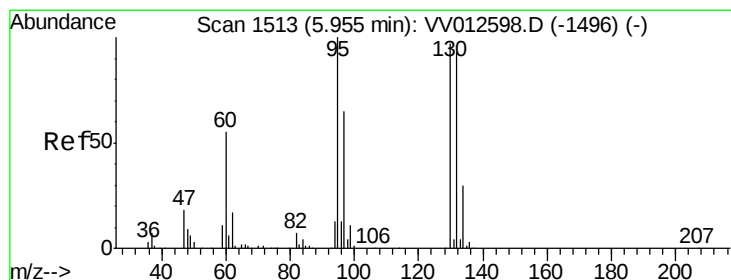
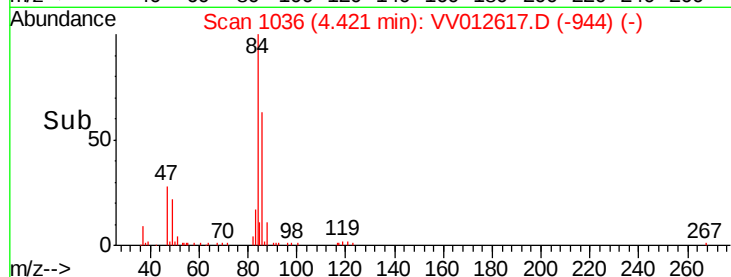
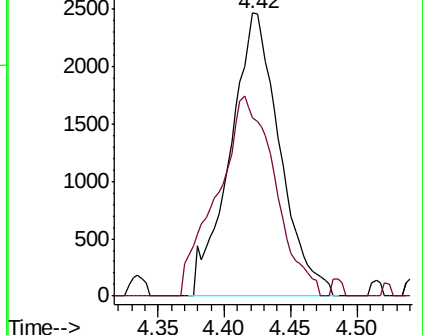
83 100

85 63.2 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV012598.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV012598.D (-1017) (-)



#34

Trichloroethene

Concen: 0.643 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012617.D

Acq: 06 Sep 2019 23:58

Tgt Ion: 95 Resp: 9766

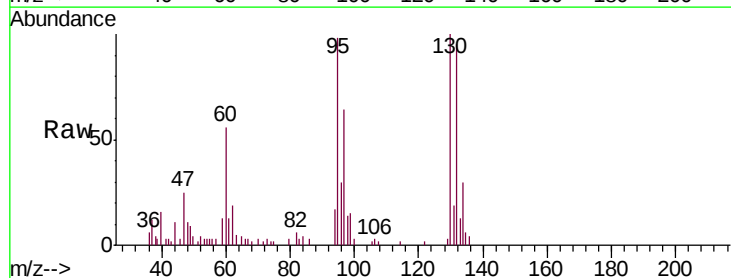
Ion Ratio Lower Upper

95 100

97 65.9 43.9 81.5

132 97.3 64.8 120.4

130 102.3 67.1 124.7

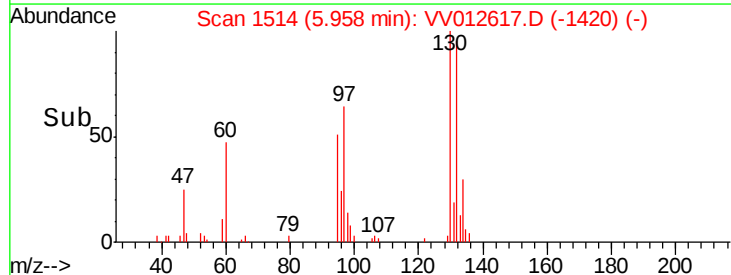
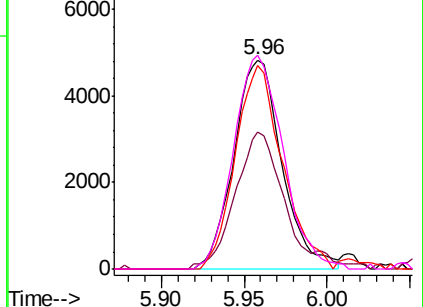


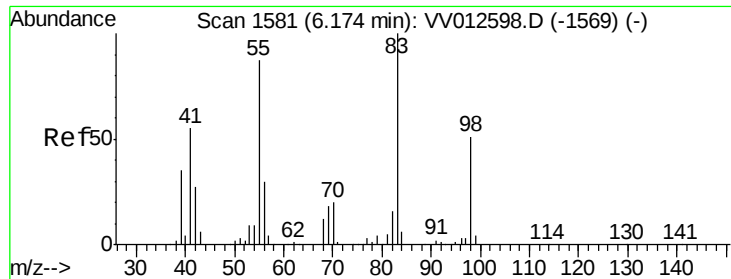
Abundance Ion 95.00 (94.70 to 95.70): VV012598.D (-1496) (-)

Ion 96.95 (96.65 to 97.65): VV012598.D (-1496) (-)

Ion 131.95 (131.65 to 132.65): VV012598.D (-1496) (-)

Ion 129.95 (129.65 to 130.65): VV012598.D (-1496) (-)

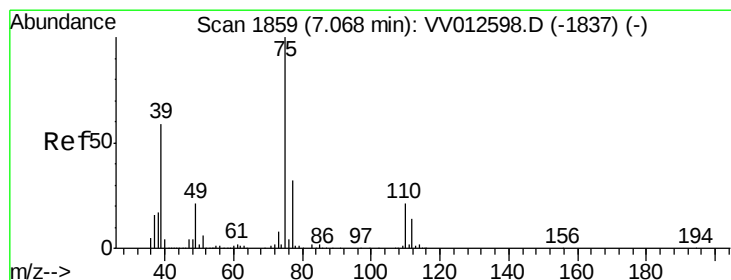
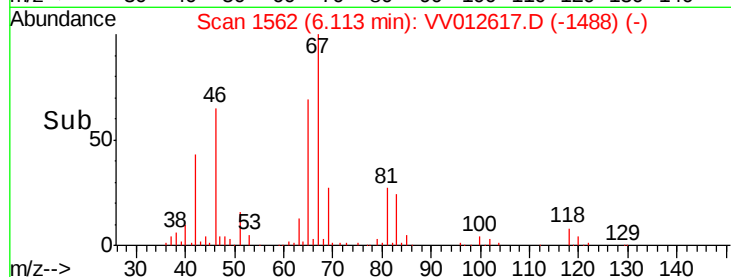
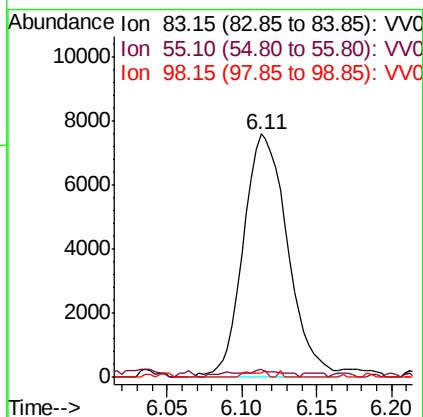
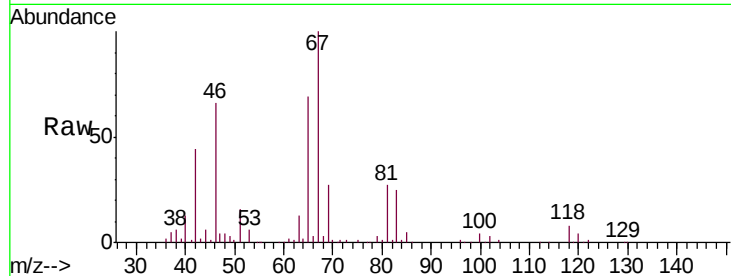




#35
Methylcyclohexane
Concen: 0.692 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV012617.D
Acq: 06 Sep 2019 23:58

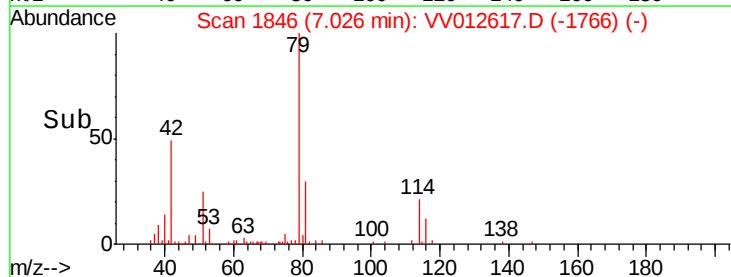
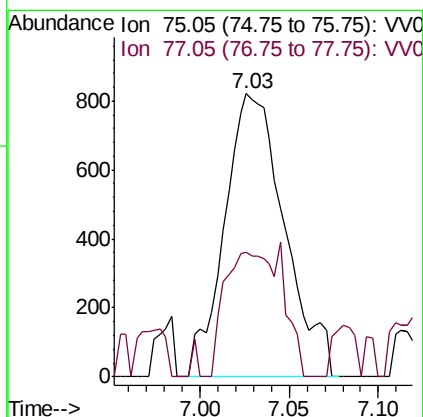
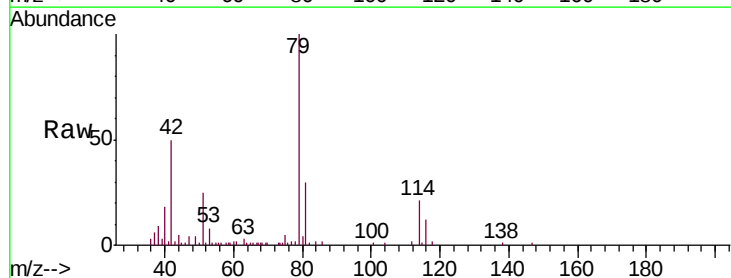
Instrument :
MSVOA_V
ClientSampleId :
BFD78DL

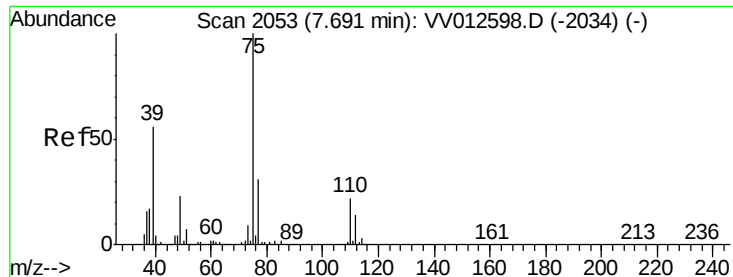
Tgt Ion: 83 Resp: 15689
Ion Ratio Lower Upper
83 100
55 2.1 69.0 103.6#
98 0.7 38.0 57.0#



#39
cis-1,3-Dichloropropene
Concen: 0.103 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.04 min
Lab File: VV012617.D
Acq: 06 Sep 2019 23:58

Tgt Ion: 75 Resp: 1930
Ion Ratio Lower Upper
75 100
77 43.8 21.6 40.2#





#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012617.D

Acq: 06 Sep 2019 23:58

Instrument :

MSVOA_V

ClientSampleId :

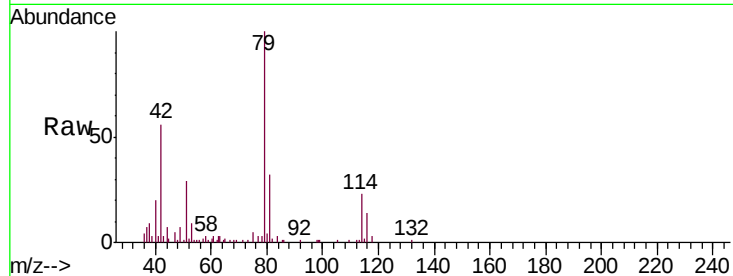
BFD78DL

Tgt Ion: 75 Resp: 1275

Ion Ratio Lower Upper

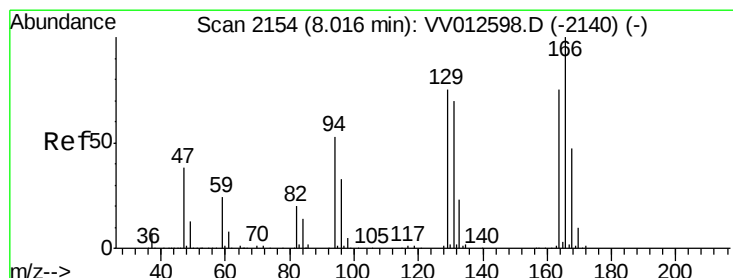
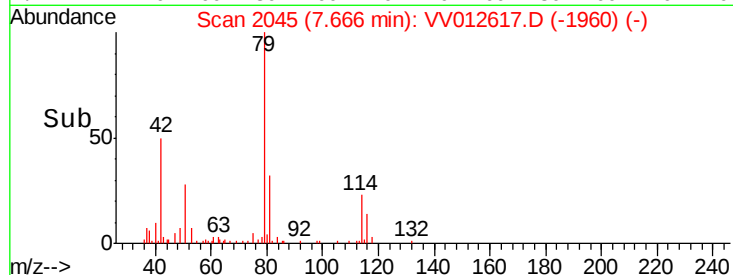
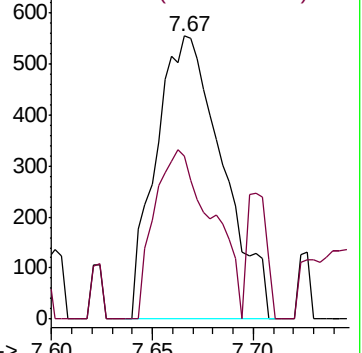
75 100

77 57.7 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 8.056 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012617.D

Acq: 06 Sep 2019 23:58

Tgt Ion: 164 Resp: 89173

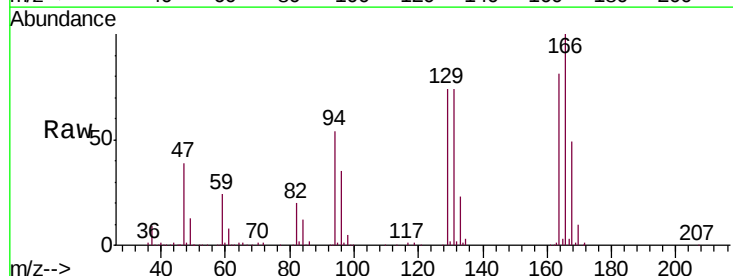
Ion Ratio Lower Upper

164 100

129 91.7 65.0 120.6

131 90.9 62.0 115.2

166 123.2 87.0 161.6

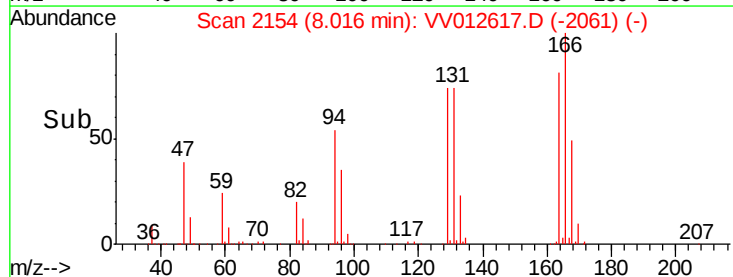
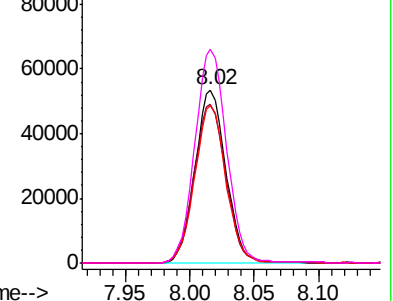


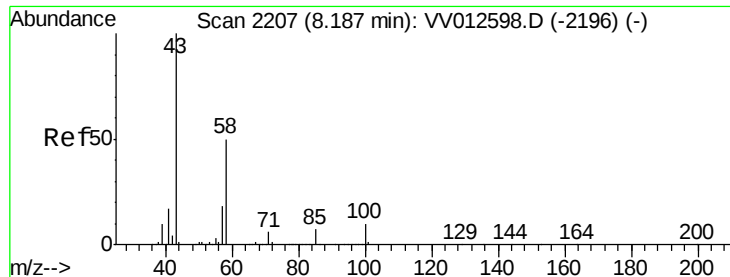
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

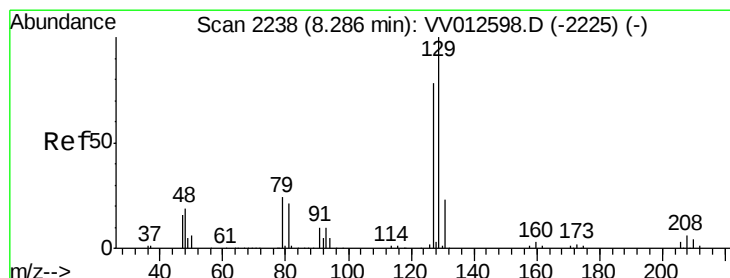
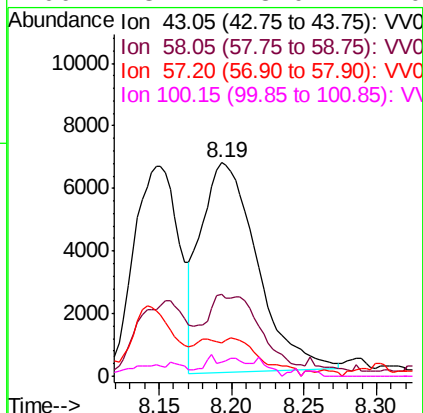
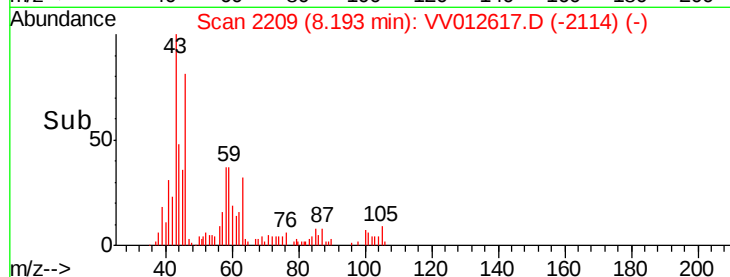
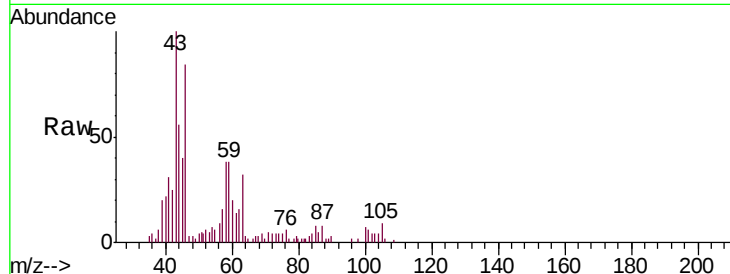




#48
2-Hexanone
Concen: 3.015 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012617.D
Acq: 06 Sep 2019 23:58

Instrument :
MSVOA_V
ClientSampleId :
BFD78DL

Tgt Ion: 43 Resp: 18118
Ion Ratio Lower Upper
43 100
58 4.7 39.3 58.9#
57 11.6 12.9 19.3#
100 3.2 8.0 12.0#



#49
Dibromochloromethane
Concen: 7.396 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012617.D
Acq: 06 Sep 2019 23:58

Tgt Ion: 129 Resp: 81193
Ion Ratio Lower Upper
129 100
127 0.4 53.0 98.4#

