

Data File : VV012659.D
Acq On : 10 Sep 2019 16:02
Operator : SY/MD
Sample : K4724-01DL 20X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFDA2DL

Quant Time: Sep 11 05:26:24 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	369630	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	383944	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	145913	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	109524	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	101004	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	134371	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	3.96	46	366146	60.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.36%
24) Chloroform-d	4.40	84	225290	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.08	65	120442	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.09	84	419832	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.12	67	143513	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.36	98	321372	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.20%
43) trans-1,3-Dichloropropene-	7.67	79	44654	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.14	63	180076	47.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	105130	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	131903	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

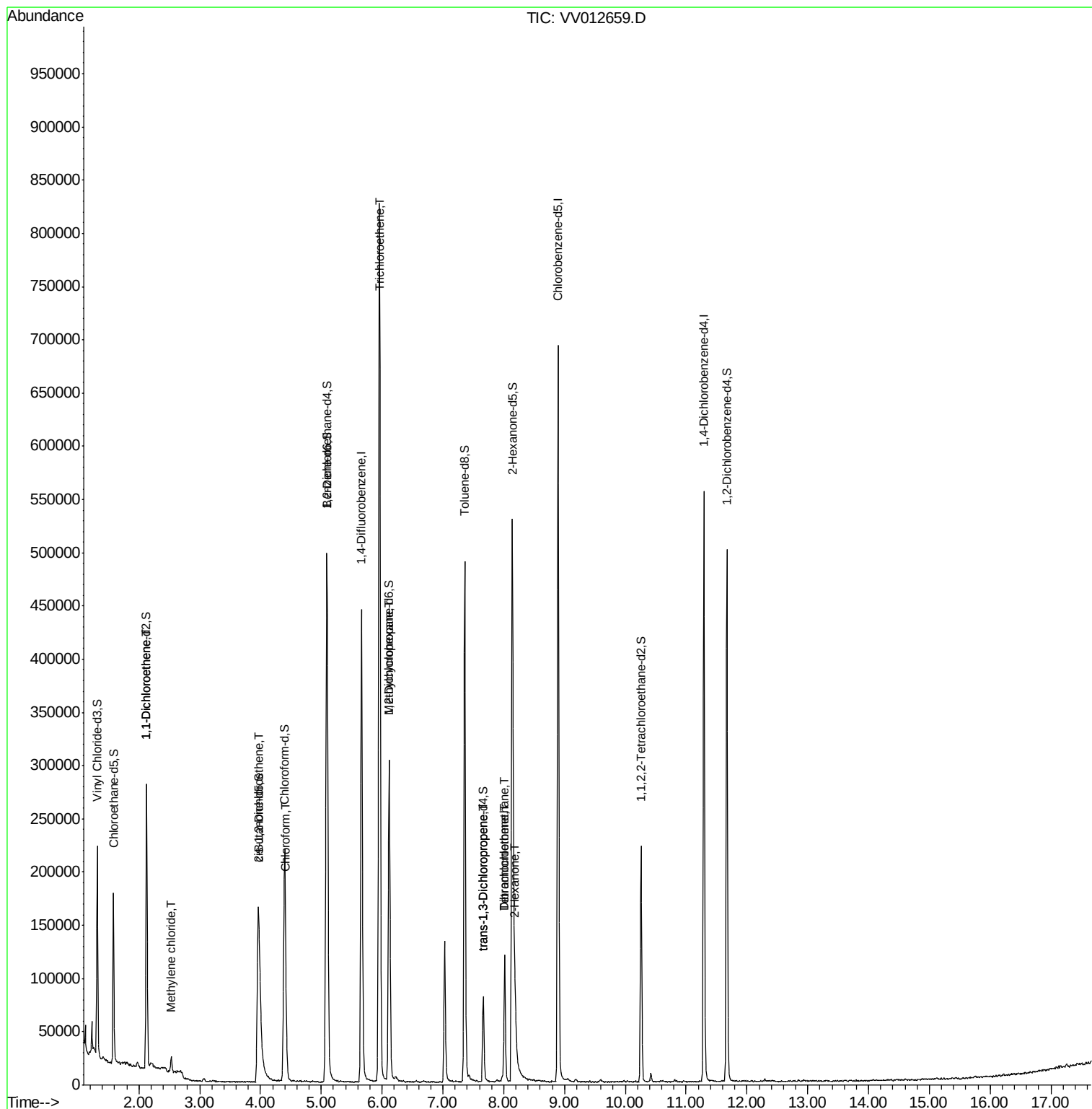
Target Compounds

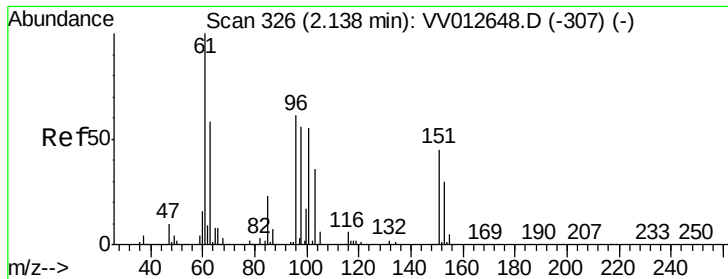
					Qvalue
12) 1,1-Dichloroethene	2.13	96	3187	0.139 ug/L #	1
16) Methylene chloride	2.53	84	5504	0.196 ug/L	81
22) cis-1,2-Dichloroethene	3.96	96	2410	0.086 ug/L	97
25) Chloroform	4.42	83	11578	0.216 ug/L	87
34) Trichloroethene	5.96	95	283015	9.127 ug/L	98
35) Methylcyclohexane	6.12	83	35021	0.799 ug/L #	18
44) trans-1,3-Dichloropropene	7.67	75	2258	0.082 ug/L #	75
47) Tetrachloroethene	8.02	164	27177	1.117 ug/L	98
48) 2-Hexanone	8.19	43	44997	4.059 ug/L #	85
49) Dibromochloromethane	8.02	129	23681	1.023 ug/L #	11

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

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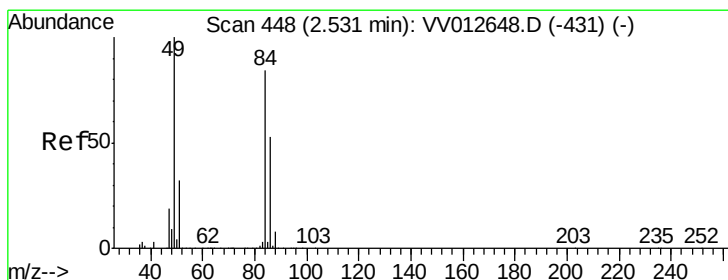
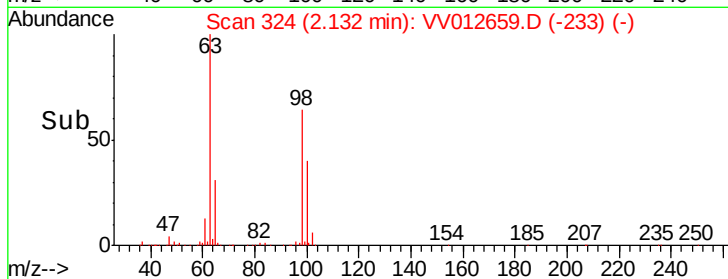
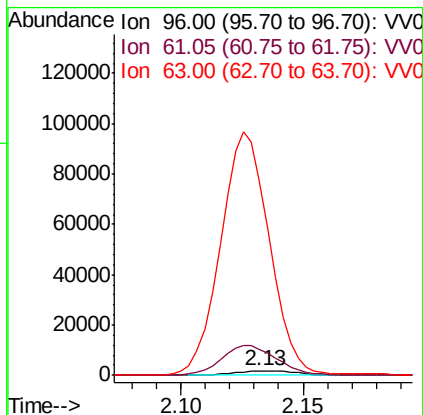
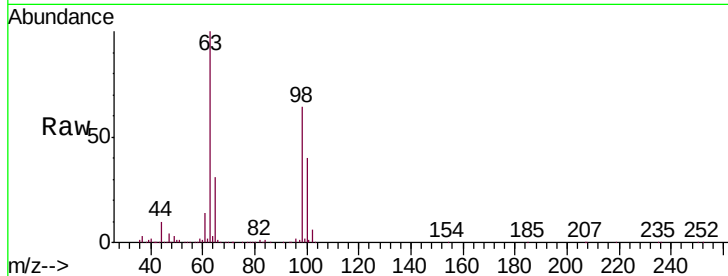




#12
 1,1-Dichloroethene
 Concen: 0.139 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VV012659.D
 Acq: 10 Sep 2019 16:02

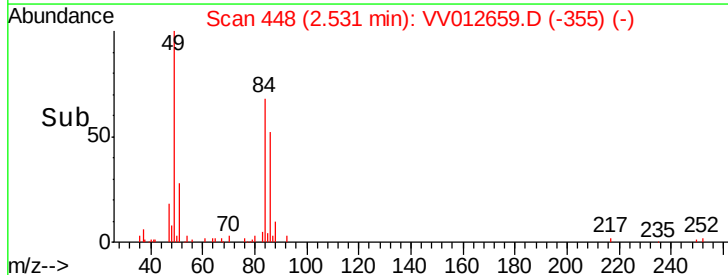
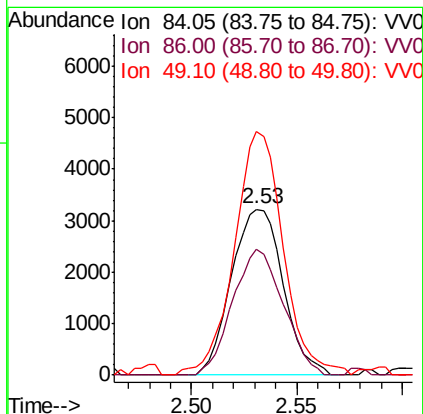
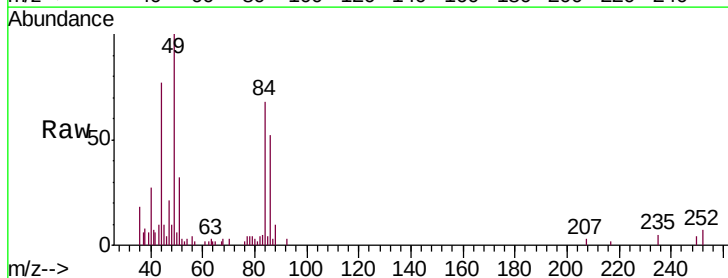
Instrument :
 MSVOA_V
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 BFDA2DL

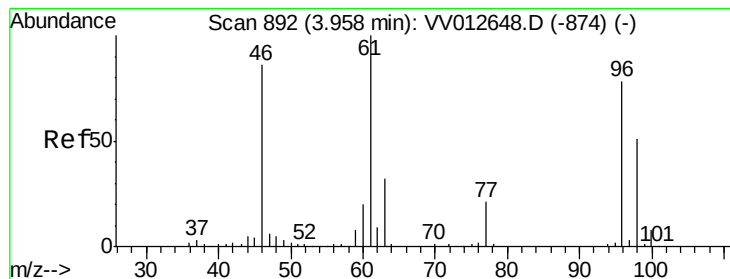
Tgt Ion: 96 Resp: 3187
 Ion Ratio Lower Upper
 96 100
 61 549.8 115.8 215.0#
 63 4059.6 79.4 147.4#



#16
 Methylene chloride
 Concen: 0.196 ug/L
 RT: 2.53 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: VV012659.D
 Acq: 10 Sep 2019 16:02

Tgt Ion: 84 Resp: 5504
 Ion Ratio Lower Upper
 84 100
 86 76.1 46.1 85.7
 49 146.9 85.3 158.3



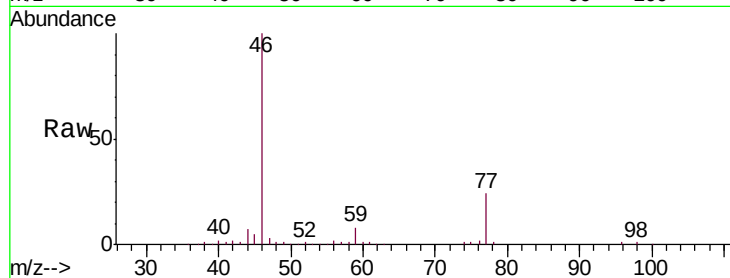


#22

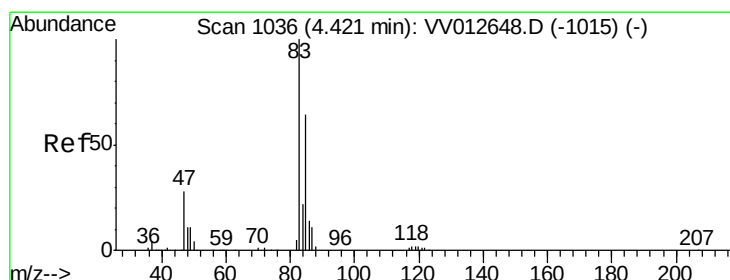
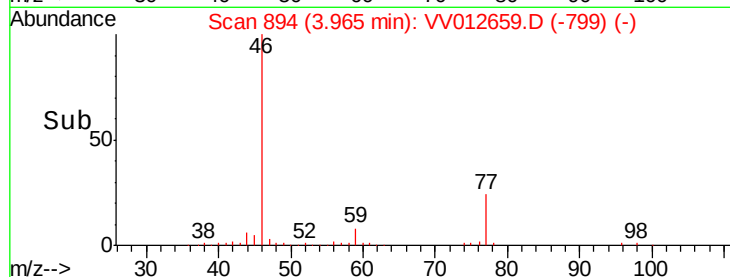
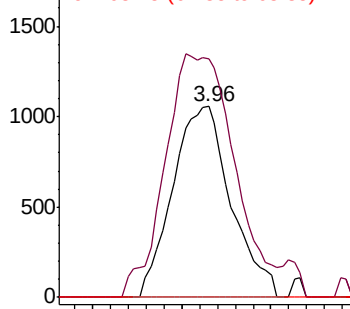
cis-1,2-Dichloroethene
 Concen: 0.086 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV012659.D
 Acq: 10 Sep 2019 16:02

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDA2DL

Tgt Ion: 96 Resp: 2410
 Ion Ratio Lower Upper
 96 100
 61 125.0 89.7 166.5
 68 0.0 0.0 0.0



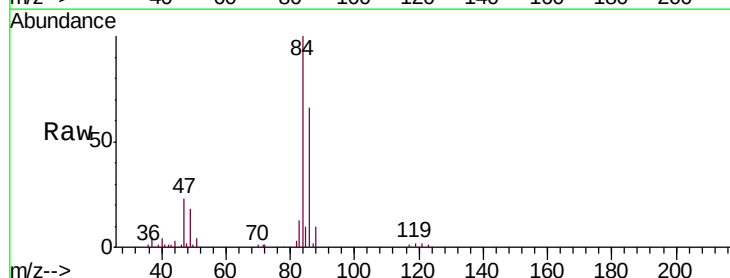
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



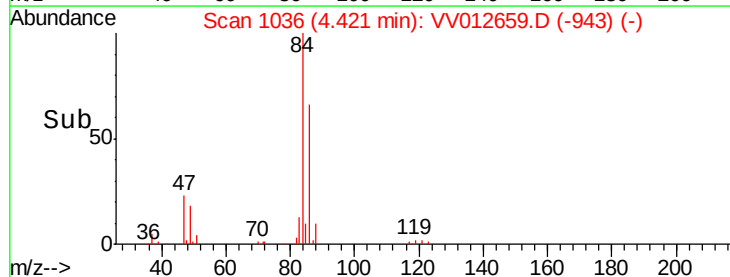
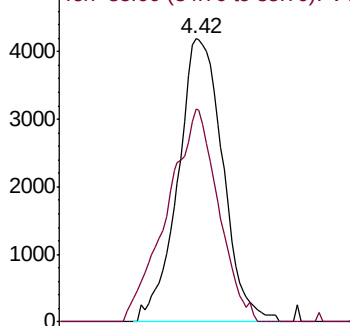
#25

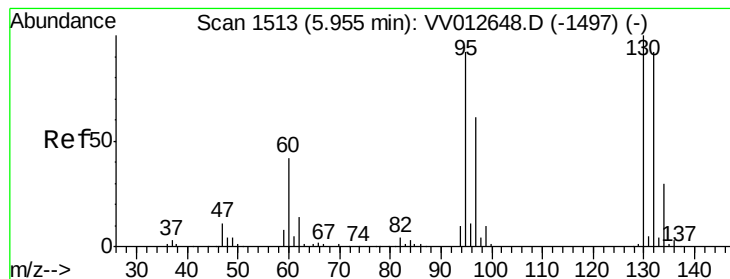
Chloroform
 Concen: 0.216 ug/L
 RT: 4.42 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VV012659.D
 Acq: 10 Sep 2019 16:02

Tgt Ion: 83 Resp: 11578
 Ion Ratio Lower Upper
 83 100
 85 75.3 45.3 84.1



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





#34

Trichloroethene

Concen: 9.127 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012659.D

Acq: 10 Sep 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

BFDA2DL

Tgt Ion: 95 Resp: 283015

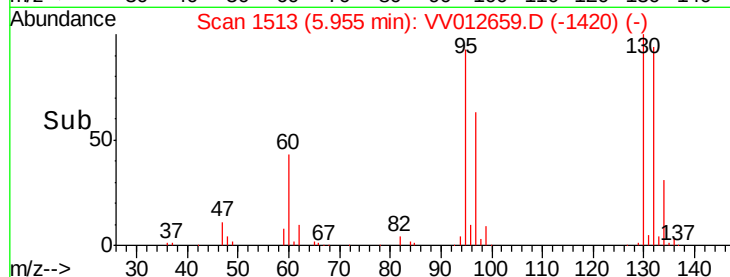
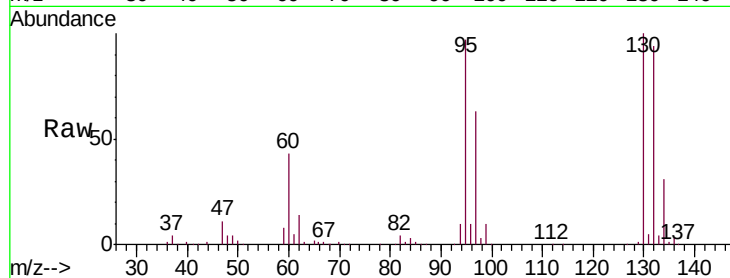
Ion Ratio Lower Upper

95 100

97 64.8 45.4 84.2

132 96.6 70.2 130.4

130 103.2 74.2 137.8



Abundance Ion 95.00 (94.70 to 95.70): VV012659.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV012659.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV012659.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV012659.D (-1420) (-)

Time-->

5.85 5.90 5.95 6.00 6.05

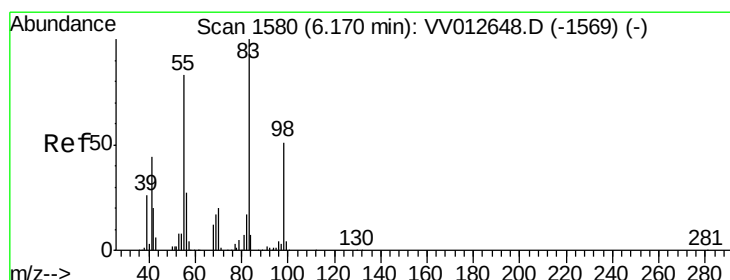
150000

100000

50000

0

5.96



#35

Methylcyclohexane

Concen: 0.799 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV012659.D

Acq: 10 Sep 2019 16:02

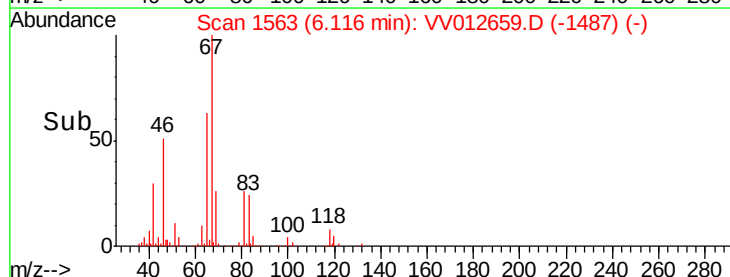
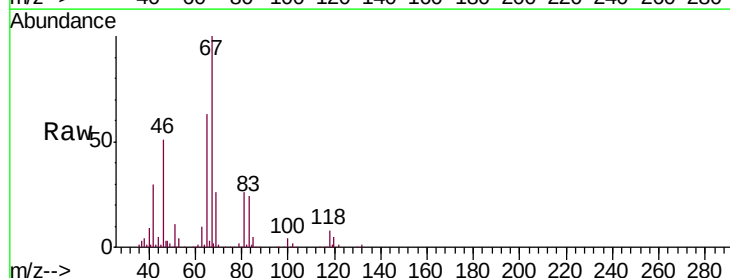
Tgt Ion: 83 Resp: 35021

Ion Ratio Lower Upper

83 100

55 0.6 63.0 94.4#

98 1.5 39.8 59.8#



Abundance Ion 83.15 (82.85 to 83.85): VV012659.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV012659.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV012659.D (-1487) (-)

Time-->

6.05 6.10 6.15 6.20

20000

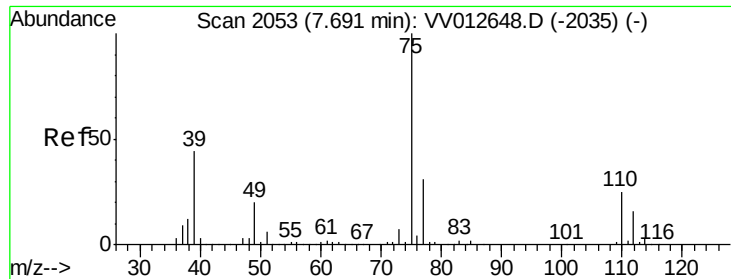
15000

10000

5000

0

6.12



#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012659.D

Acq: 10 Sep 2019 16:02

Instrument :

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ClientSampleId :

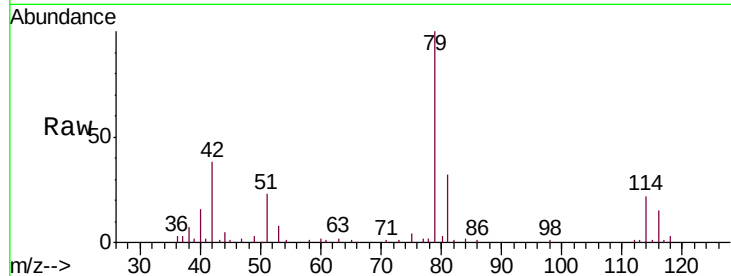
BFDA2DL

Tgt Ion: 75 Resp: 2258

Ion Ratio Lower Upper

75 100

77 46.1 22.4 41.6#



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

Ion 77.05 (76.75 to 77.75): VV012659.D (-1960) (-)

7.67

1200

1000

800

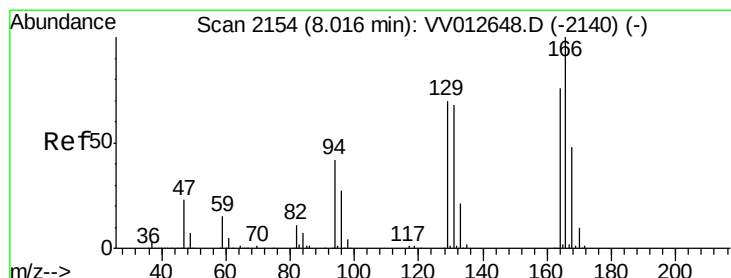
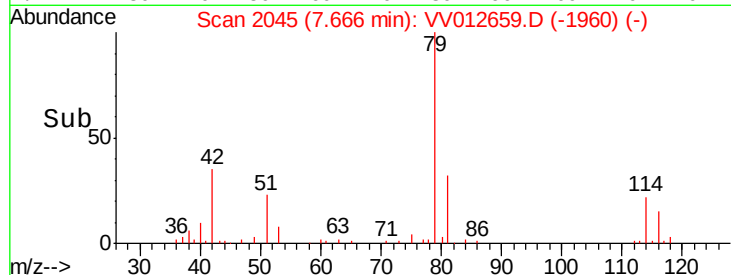
600

400

200

0

Time-->



#47

Tetrachloroethene

Concen: 1.117 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012659.D

Acq: 10 Sep 2019 16:02

Tgt Ion: 164 Resp: 27177

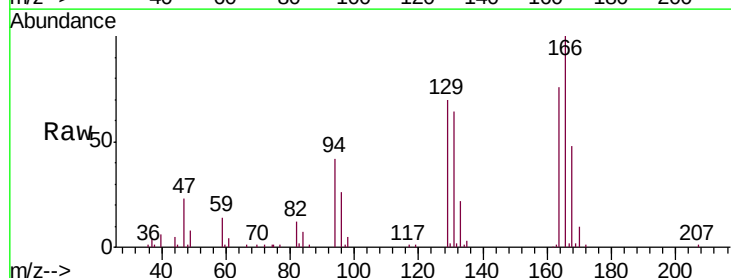
Ion Ratio Lower Upper

164 100

129 91.0 61.9 114.9

131 83.2 59.7 110.9

166 130.8 90.4 167.8



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

Ion 128.95 (128.65 to 129.65): VV012659.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV012659.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV012659.D (-2061) (-)

30000

25000

20000

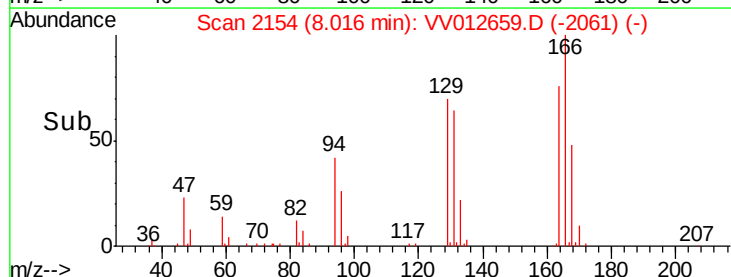
15000

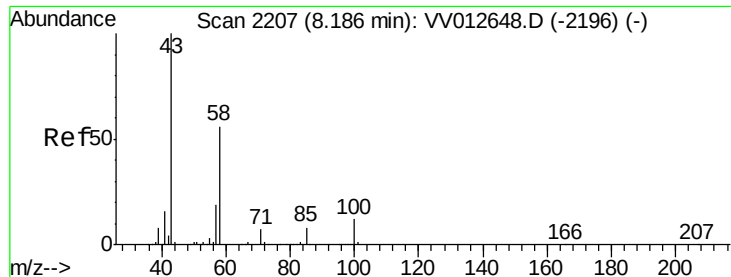
10000

5000

0

Time-->

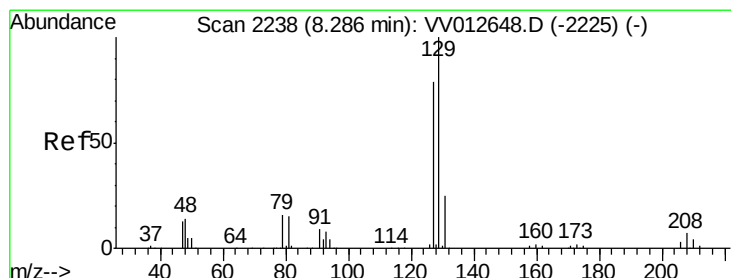
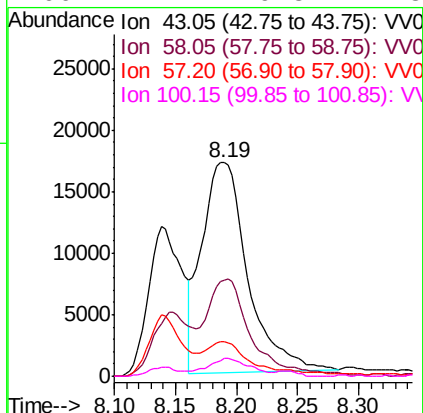
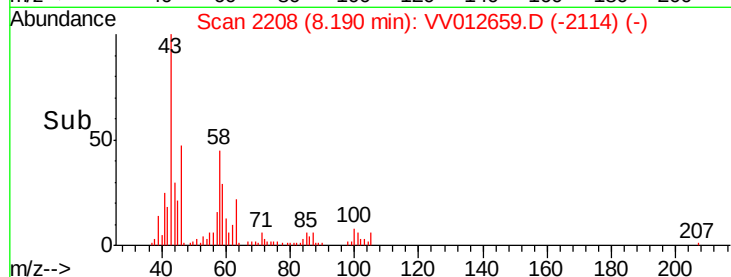
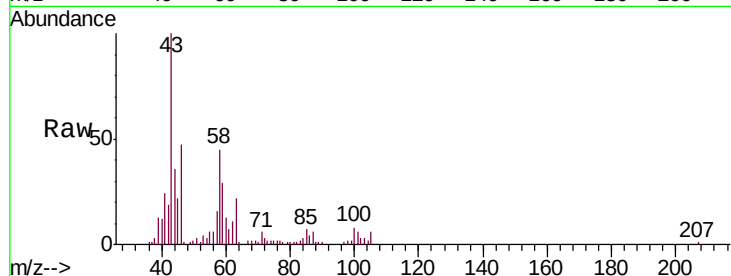




#48
2-Hexanone
Concen: 4.059 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012659.D
Acq: 10 Sep 2019 16:02

Instrument :
MSVOA_V
ClientSampleId :
BFDA2DL

Tgt Ion: 43 Resp: 44997
Ion Ratio Lower Upper
43 100
58 43.1 44.8 67.2#
57 14.4 14.9 22.3#
100 7.7 9.8 14.8#



#49
Dibromochloromethane
Concen: 1.023 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012659.D
Acq: 10 Sep 2019 16:02

Tgt Ion: 129 Resp: 23681
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#

