

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041319\
 Data File : VV010324.D
 Acq On : 13 Apr 2019 17:52
 Operator : SY/MD
 Sample : VV0413WBL01
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK35

Quant Time: Apr 14 01:14:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR041319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 13 14:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	137426	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	133531	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61822	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34222	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.58	69	39634	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.13	63	72060	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.96	46	99343	53.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.48%
24) Chloroform-d	4.40	84	84354	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.09	65	44845	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.10	84	161632	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.12	67	49750	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.36	98	141911	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.67	79	15717	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.14	63	74583	52.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.90%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39488	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	59662	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

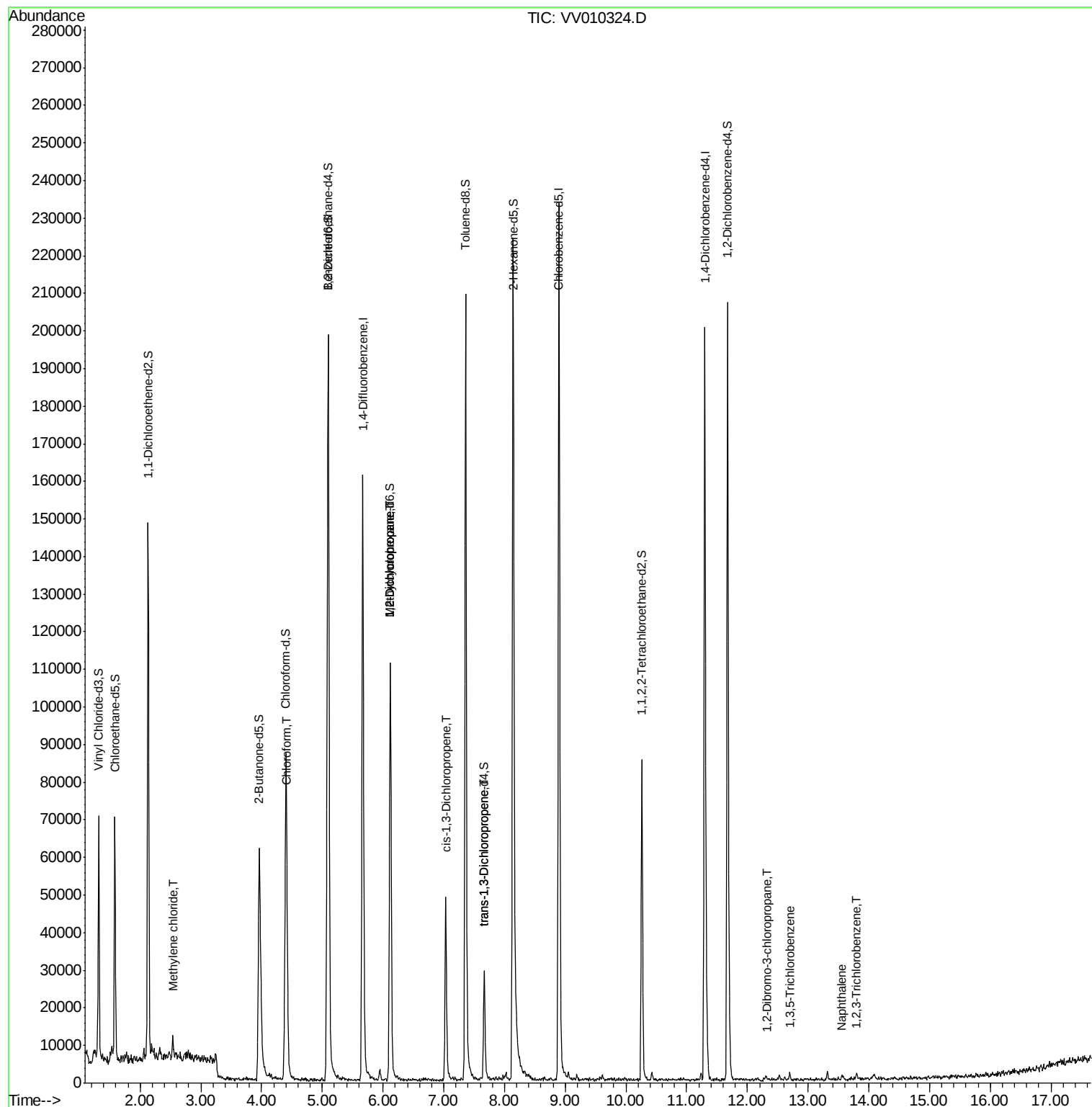
					Ovalue
16) Methylene chloride	2.53	84	1997	0.161 ug/L	80
25) Chloroform	4.42	83	4124	0.215 ug/L	99
35) Methylcyclohexane	6.12	83	13000	0.820 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	5762	0.669 ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	1637	0.136 ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	957	0.103 ug/L	89
66) 1,2-Dibromo-3-chloropropan	12.32	75	78	0.086 ug/L #	1
67) 1,3,5-Trichlorobenzene	12.70	180	853	0.054 ug/L #	88
69) Naphthalene	13.57	128	1400	0.108 ug/L #	76
70) 1,2,3-Trichlorobenzene	13.81	180	759	0.074 ug/L #	83

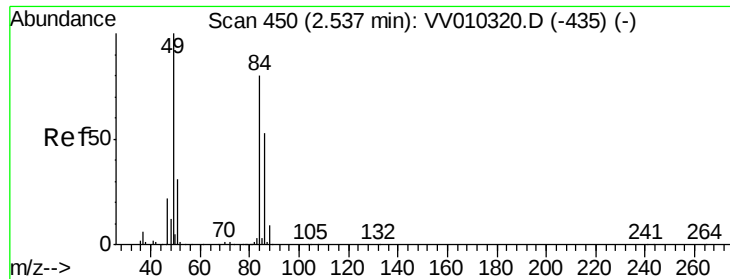
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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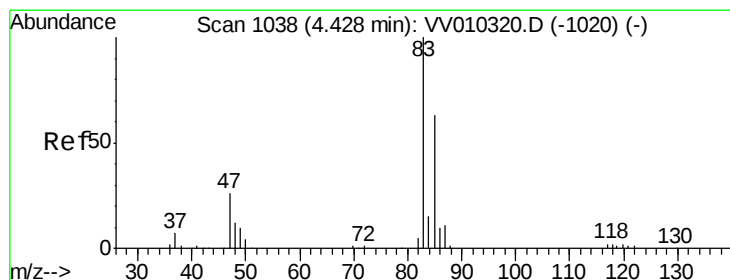
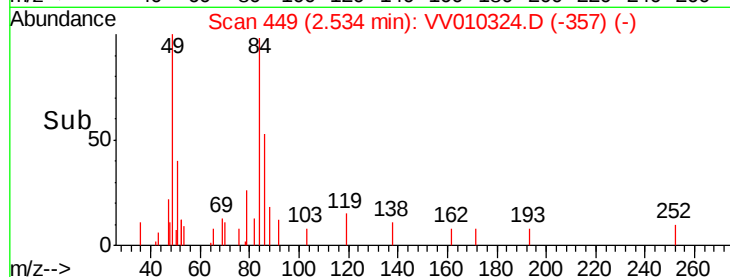
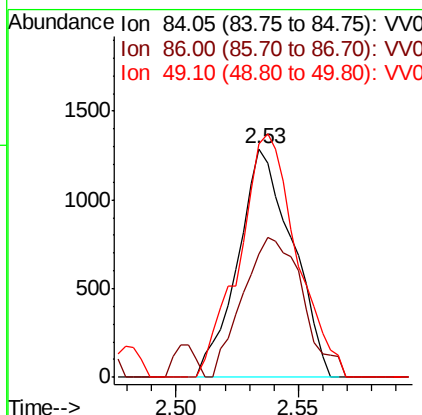
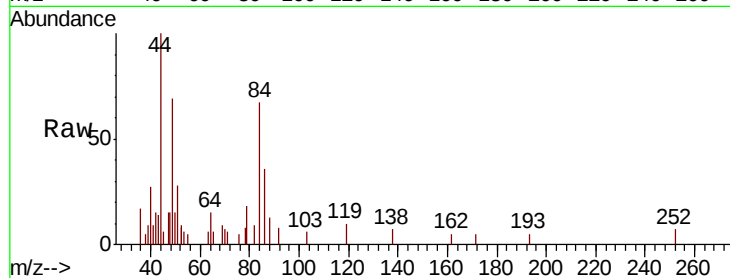




#16
Methvlene chloride
Concen: 0.161 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010324.D
Acq: 13 Apr 2019 17:52

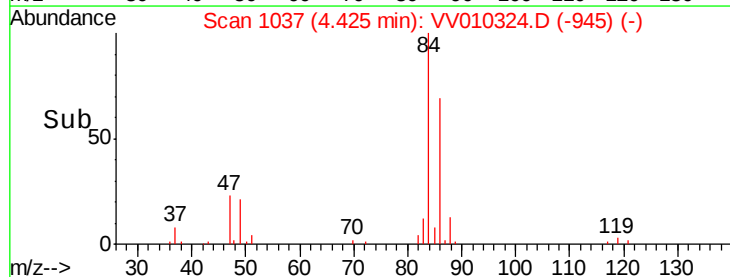
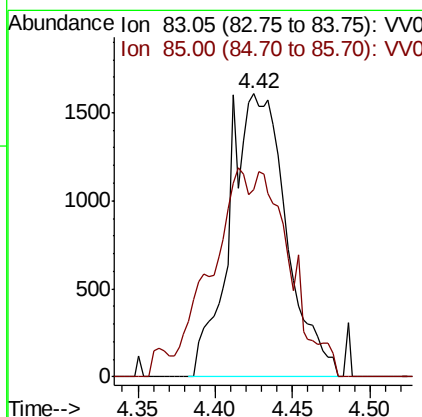
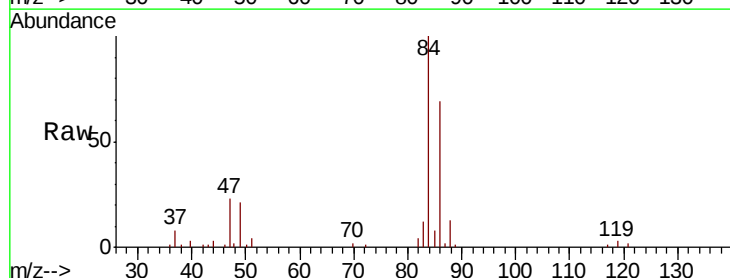
Instrument :
MSVOA_V
ClientSampled :
VBLK35

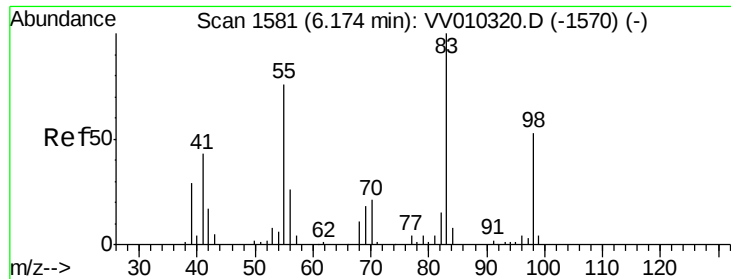
Tot Ion: 84 Resp: 1997
Ion Ratio Lower Upper
84 100
86 53.8 46.1 85.5
49 102.1 89.7 166.5



#25
Chloroform
Concen: 0.215 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010324.D
Acq: 13 Apr 2019 17:52

Tgt Ion: 83 Resp: 4124
Ion Ratio Lower Upper
83 100
85 66.3 45.7 84.9

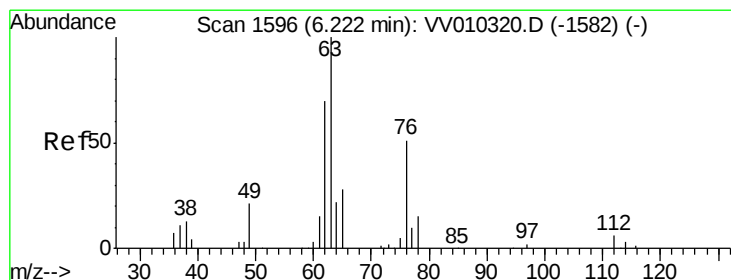
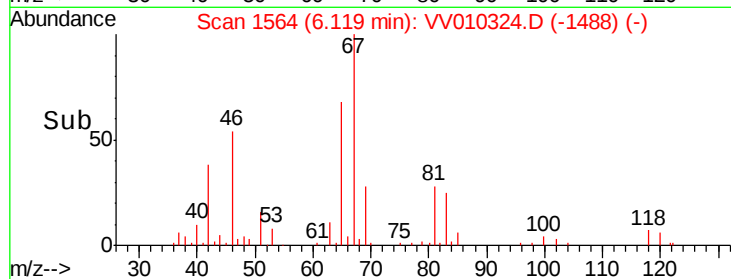
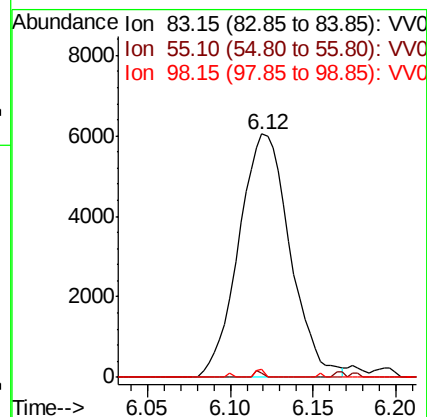
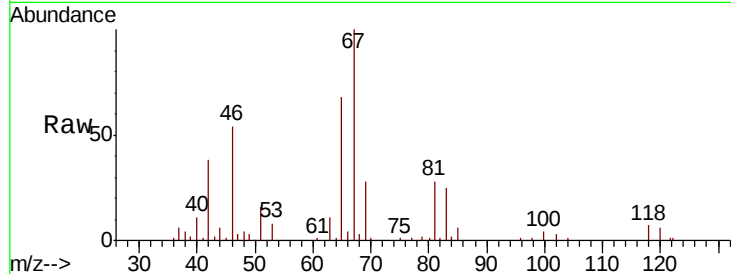




#35
Methvlcvclohexane
Concen: 0.820 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV010324.D
Acq: 13 Apr 2019 17:52

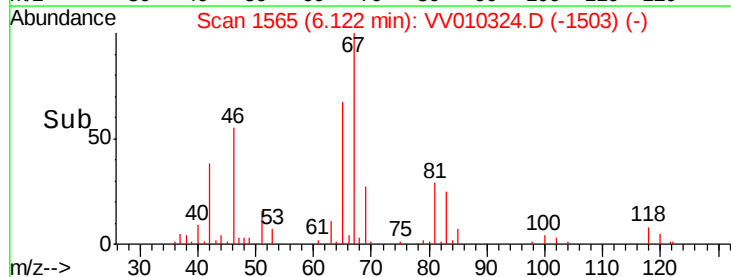
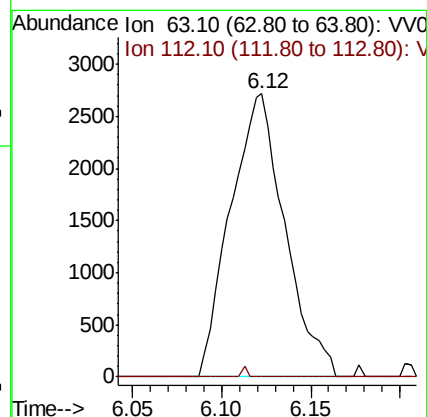
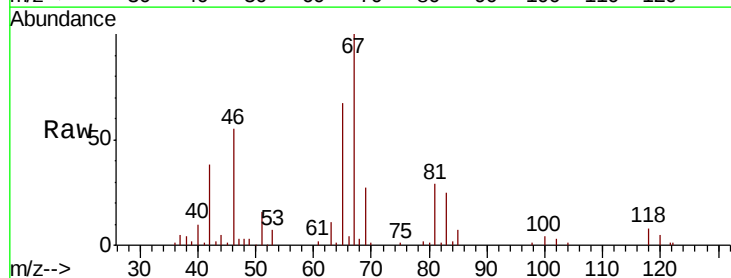
Instrument :
MSVOA_V
ClientSampleId :
VBLK35

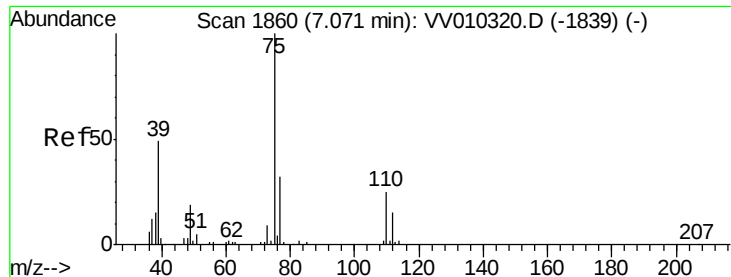
Tot Ion: 83 Resp: 13000
Ion Ratio Lower Upper
83 100
55 0.4 57.4 86.2#
98 0.6 38.9 58.3#



#37
1,2-Dichloropropane
Concen: 0.669 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV010324.D
Acq: 13 Apr 2019 17:52

Tgt Ion: 63 Resp: 5762
Ion Ratio Lower Upper
63 100
112 0.4 3.3 4.9#





#39

cis-1,3-Dichloropropene

Concen: 0.136 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV010324.D

Acq: 13 Apr 2019 17:52

Instrument :

MSVOA_V

ClientSampleId :

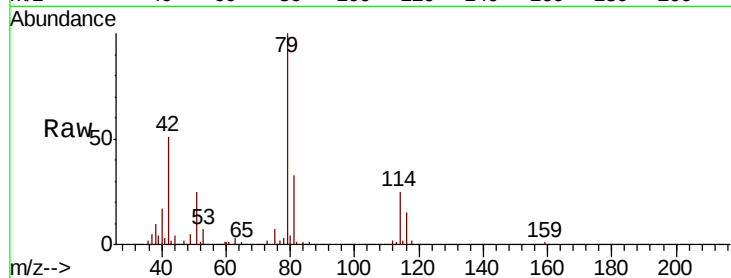
VBLK35

Tot Ion: 75 Resp: 1637

Ion Ratio Lower Upper

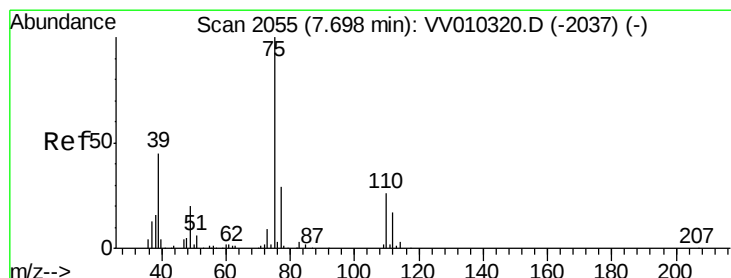
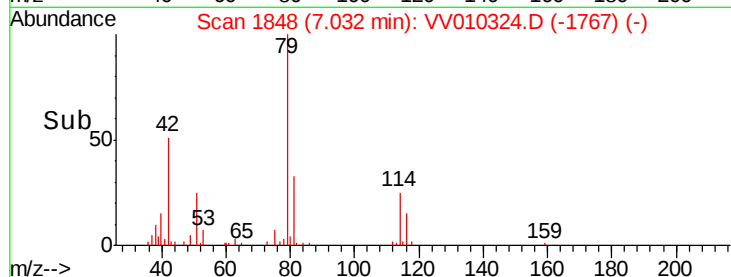
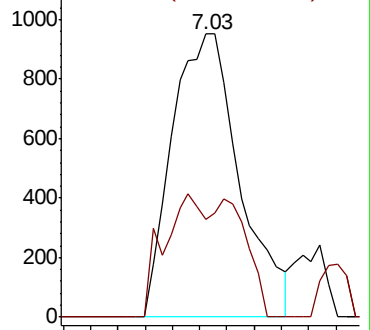
75 100

77 34.5 24.1 44.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010324.D

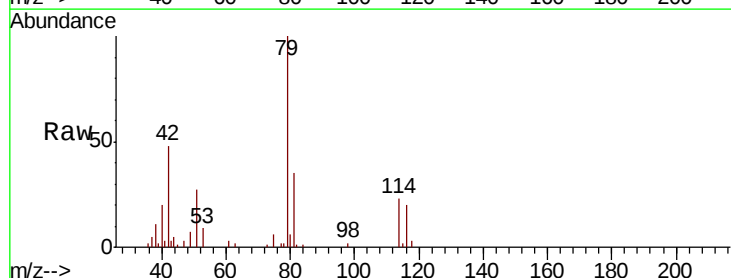
Acq: 13 Apr 2019 17:52

Tgt Ion: 75 Resp: 957

Ion Ratio Lower Upper

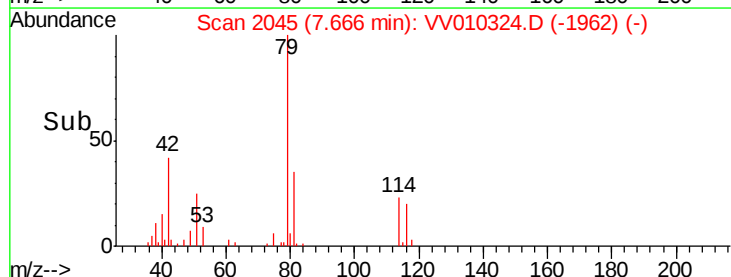
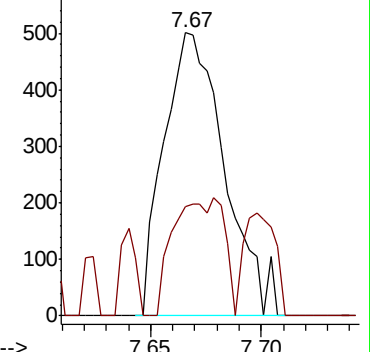
75 100

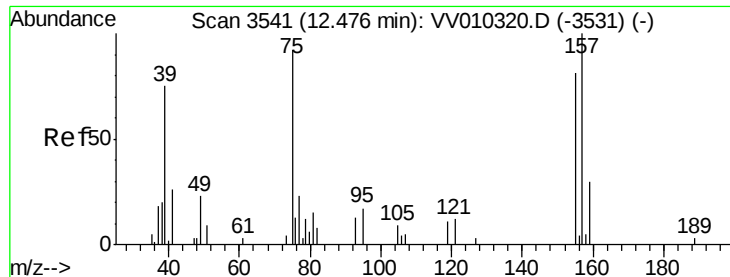
77 38.7 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#66

1,2-Dibromo-3-chloropropane

Concen: 0.086 ug/L

RT: 12.32 min Scan# 3494

Delta R.T. -0.15 min

Lab File: VV010324.D

Acq: 13 Apr 2019 17:52

Instrument :

MSVOA_V

ClientSampleId :

VBLK35

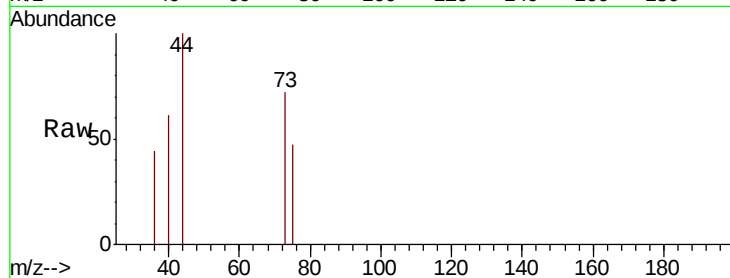
Tot Ion: 75 Resp: 78

Ion Ratio Lower Upper

75 100

155 0.0 73.5 110.3#

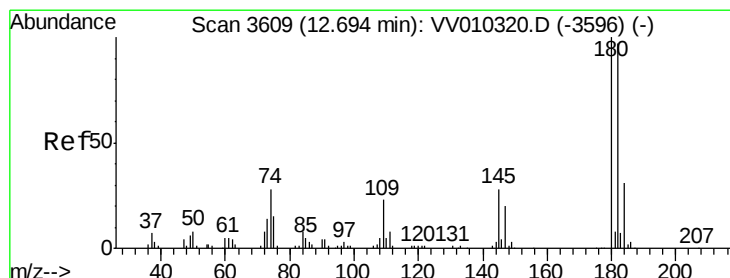
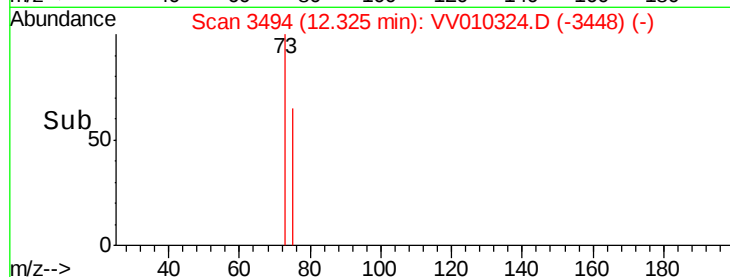
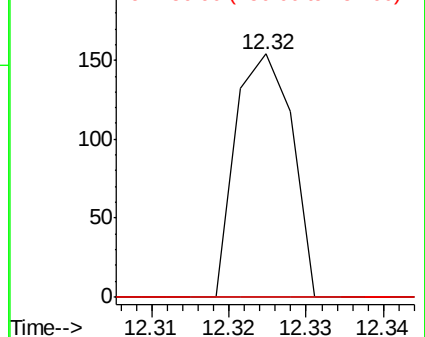
157 0.0 88.3 132.5#



Abundance Ion 75.05 (74.75 to 75.75): VV010324.D (-3494) (-)

Ion 154.95 (154.65 to 155.65): VV010324.D (-3494) (-)

Ion 156.90 (156.60 to 157.60): VV010324.D (-3494) (-)



#67

1,3,5-Trichlorobenzene

Concen: 0.054 ug/L

RT: 12.70 min Scan# 3611

Delta R.T. 0.01 min

Lab File: VV010324.D

Acq: 13 Apr 2019 17:52

Tgt Ion: 180 Resp: 853

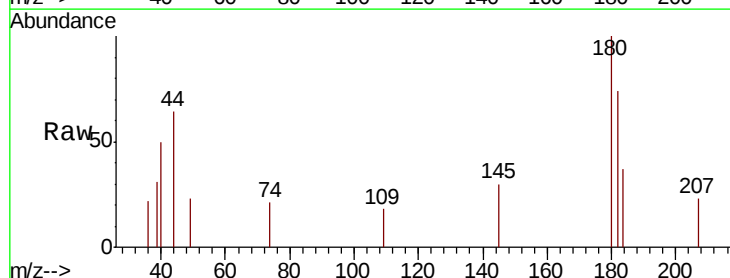
Ion Ratio Lower Upper

180 100

182 87.9 75.0 112.6

184 23.3 23.9 35.9#

145 15.5 25.3 37.9#

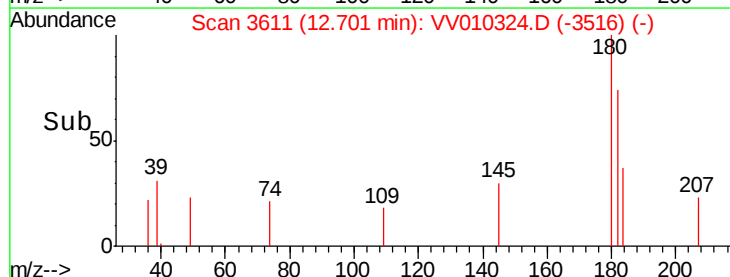
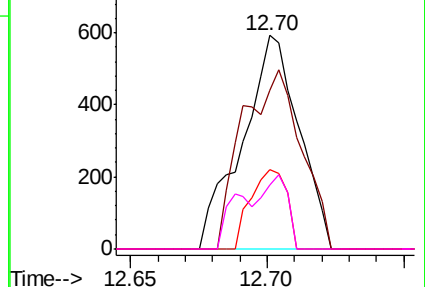


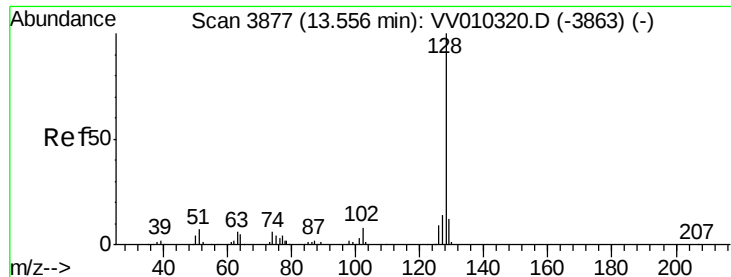
Abundance Ion 180.00 (179.70 to 180.70): VV010324.D (-3611) (-)

Ion 182.00 (181.70 to 182.70): VV010324.D (-3611) (-)

Ion 184.00 (183.70 to 184.70): VV010324.D (-3611) (-)

Ion 145.00 (144.70 to 145.70): VV010324.D (-3611) (-)





#69

Naphthalene

Concen: 0.108 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV010324.D

Acq: 13 Apr 2019 17:52

Instrument :

MSVOA_V

ClientSampleId :

VBLK35

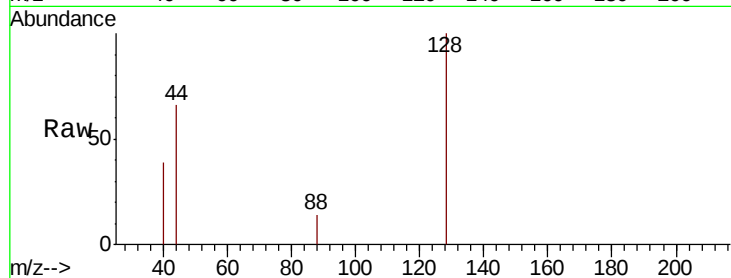
Tot Ion:128 Resp: 1400

Ion Ratio Lower Upper

128 100

129 1.6 8.9 13.3#

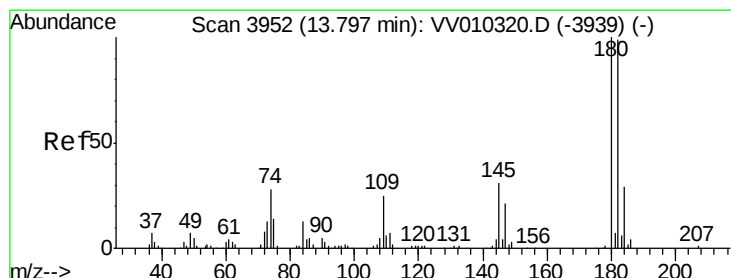
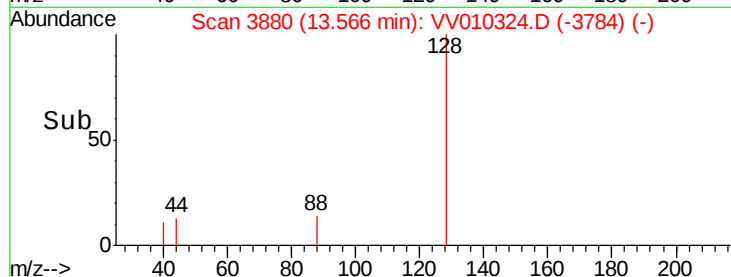
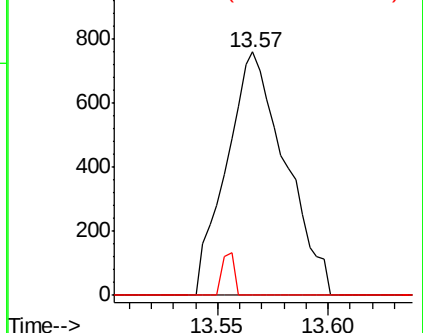
127 3.5 10.4 15.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.074 ug/L

RT: 13.81 min Scan# 3955

Delta R.T. 0.01 min

Lab File: VV010324.D

Acq: 13 Apr 2019 17:52

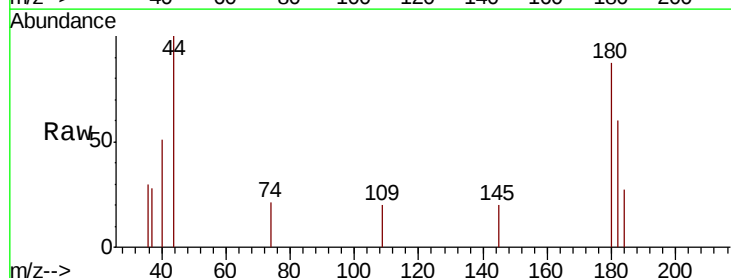
Tgt Ion:180 Resp: 759

Ion Ratio Lower Upper

180 100

182 109.7 76.8 115.2

145 20.3 28.2 42.2#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

