

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053220.D
 Acq On : 28 Dec 2018 12:42
 Operator : MD\SY
 Sample : J6573-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-28

Quant Time: Dec 28 13:16:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	153415	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	881432	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	756318	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	300680	30.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.83%
60) 4-Bromofluorobenzene	12.40	95	320754	27.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.40%
63) Toluene-d8	10.09	98	1029228	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

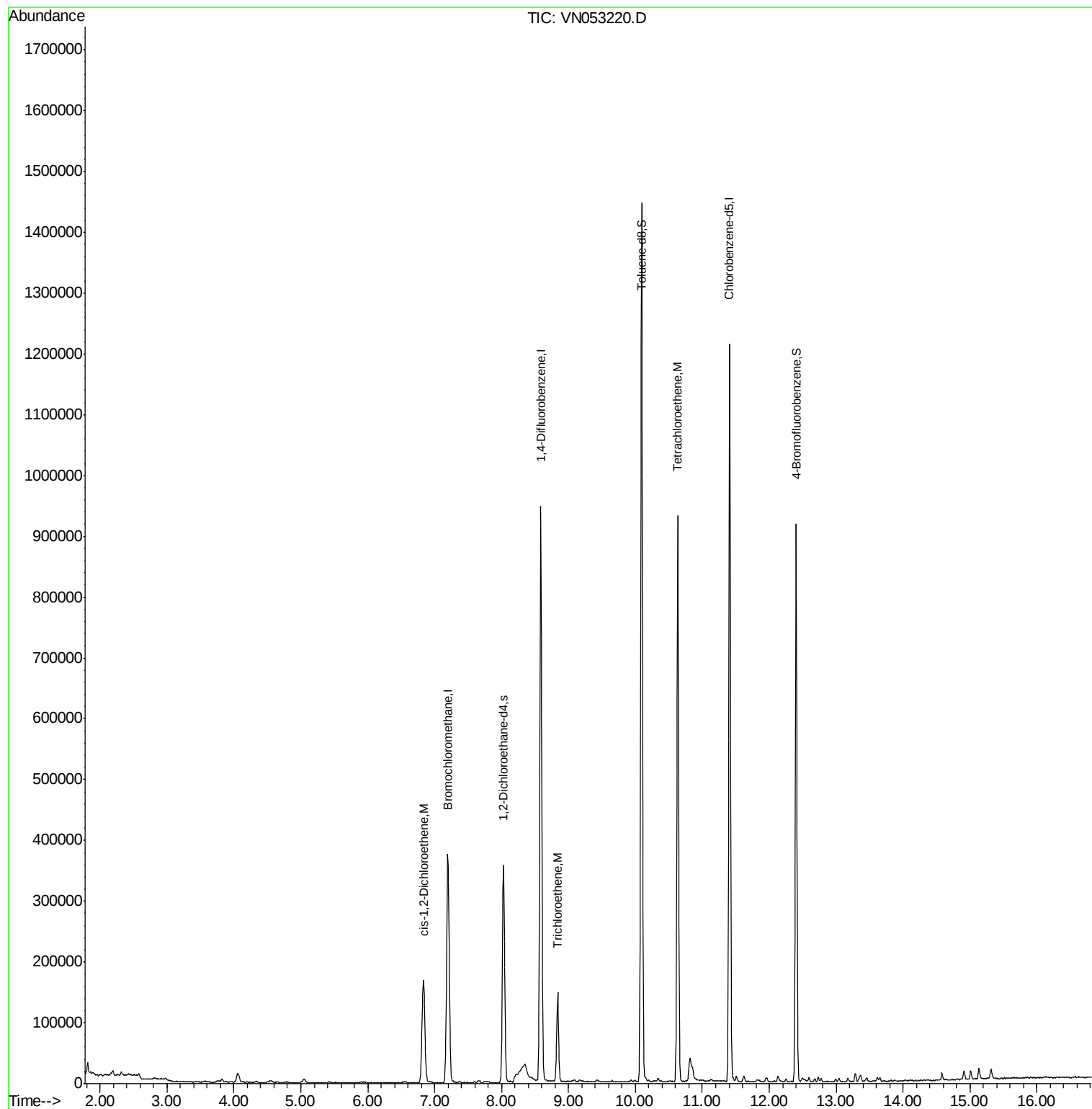
					Ovalue
22) cis-1,2-Dichloroethene	6.83	96	117617	11.052 ug/l	88
37) Trichloroethene	8.84	130	57784	5.316 ug/l	98
61) Tetrachloroethene	10.63	164	231238	20.689 ug/l	96

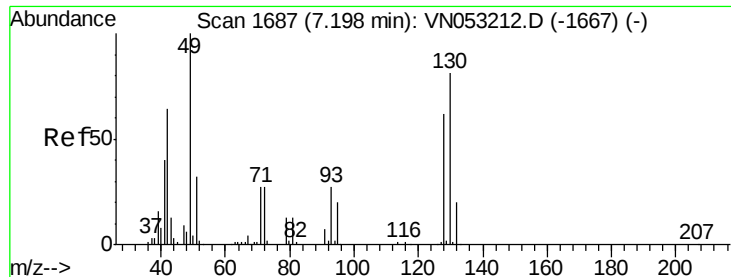
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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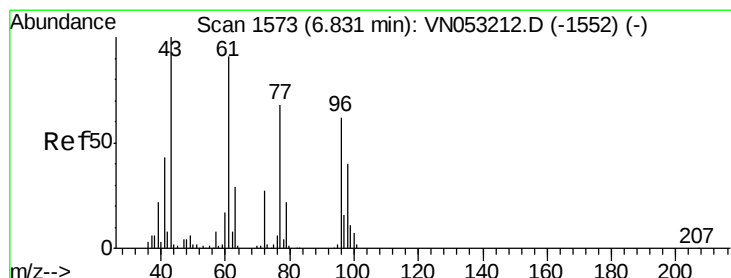
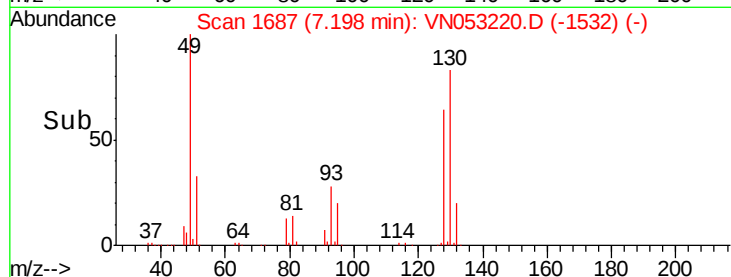
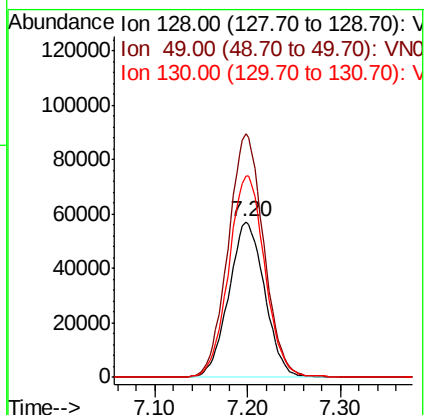
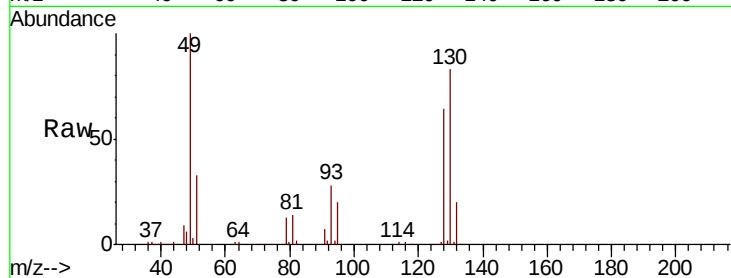




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN053220.D
 Acq: 28 Dec 2018 12:42

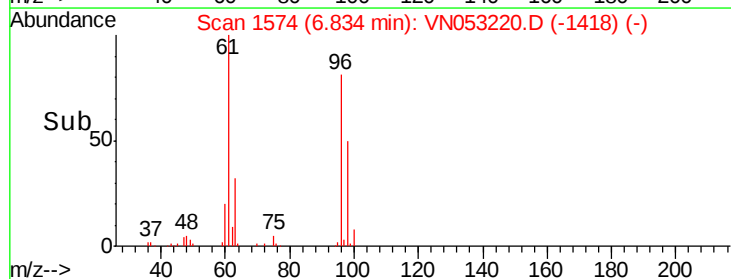
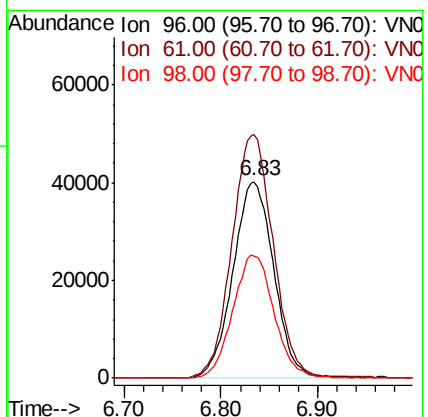
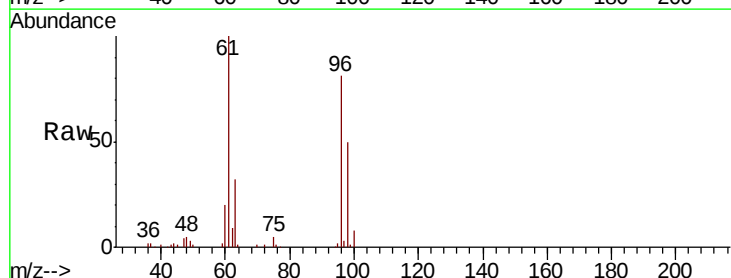
Instrument :
 MSVOA_N
 ClientSampled :
 2-AVE-28

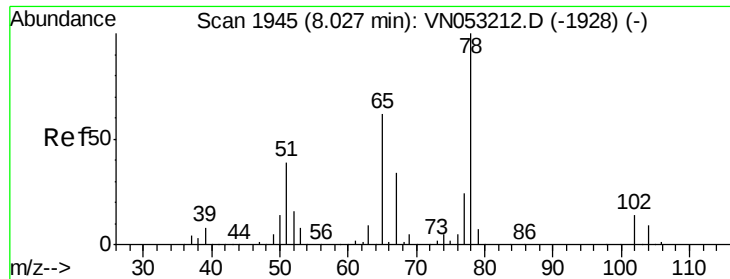
Tot Ion:128 Resp: 153415
 Ion Ratio Lower Upper
 128 100
 49 155.9 0.0 431.8
 130 130.5 0.0 317.0



#22
 cis-1,2-Dichloroethene
 Concen: 11.052 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053220.D
 Acq: 28 Dec 2018 12:42

Tgt Ion: 96 Resp: 117617
 Ion Ratio Lower Upper
 96 100
 61 125.2 116.7 175.1
 98 63.3 50.8 76.2





#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053220.D

Acq: 28 Dec 2018 12:42

Instrument :

MSVOA_N

ClientSampled :

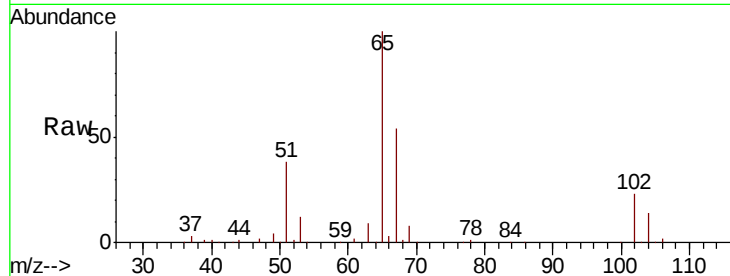
2-AVE-28

Tot Ion: 65 Resp: 300680

Ion Ratio Lower Upper

65 100

67 54.6 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN053220.D (-1790) (-)

Ion 67.00 (66.70 to 67.70): VN053220.D (-1790) (-)

8.03

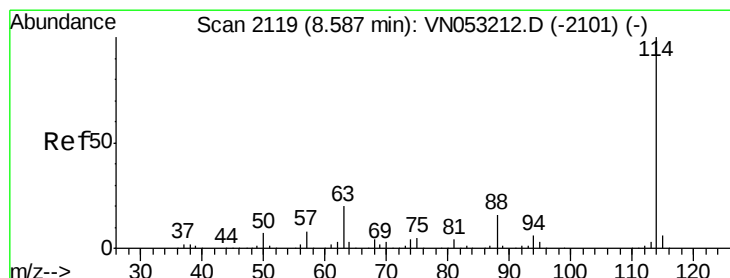
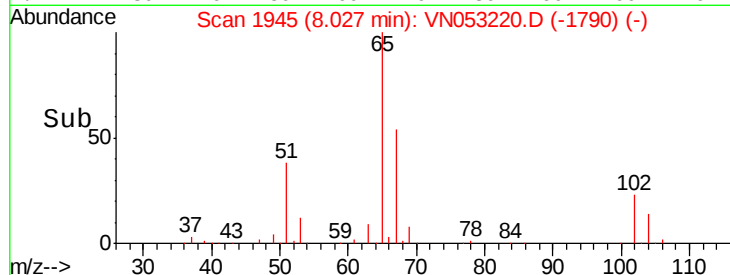
150000

100000

50000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053220.D

Acq: 28 Dec 2018 12:42

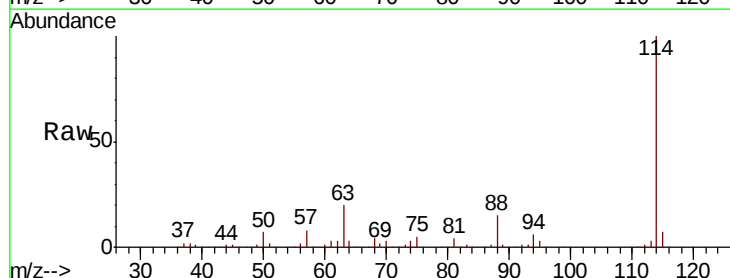
Tgt Ion: 114 Resp: 881432

Ion Ratio Lower Upper

114 100

63 19.8 16.9 25.3

88 15.5 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN053220.D (-1964) (-)

Ion 63.00 (62.70 to 63.70): VN053220.D (-1964) (-)

Ion 88.00 (87.70 to 88.70): VN053220.D (-1964) (-)

8.59

500000

400000

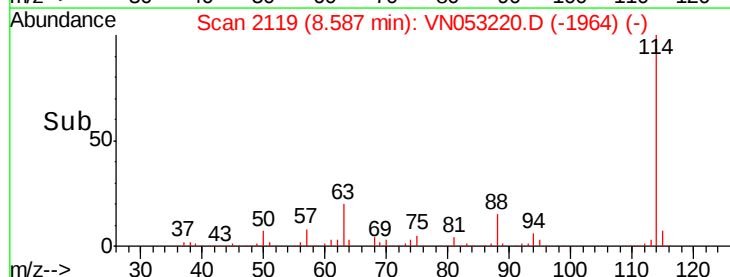
300000

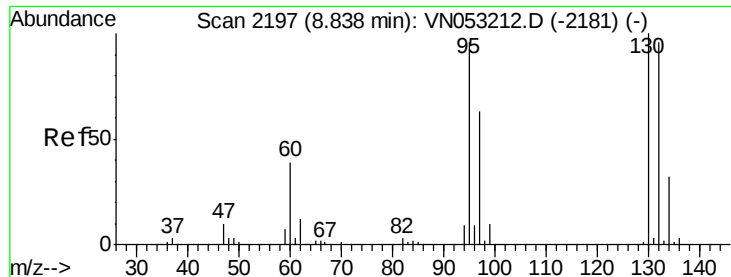
200000

100000

0

Time-->

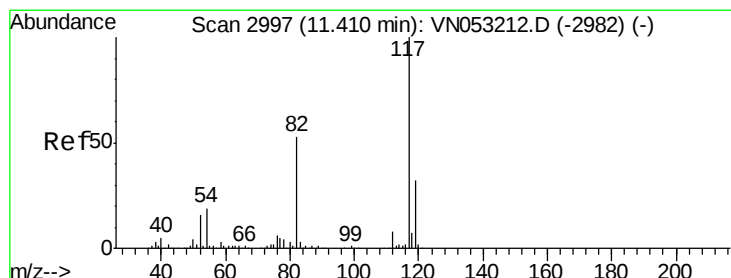
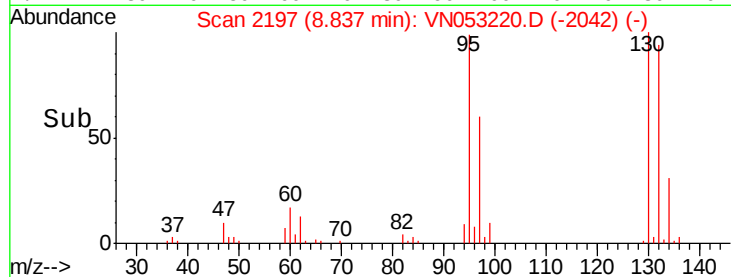
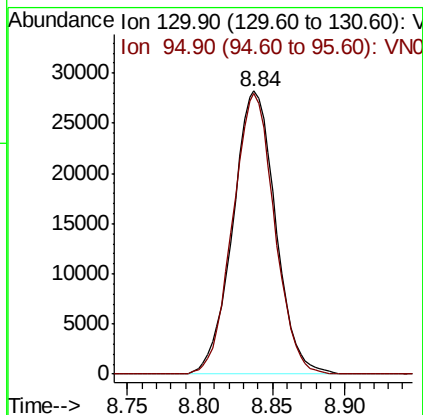
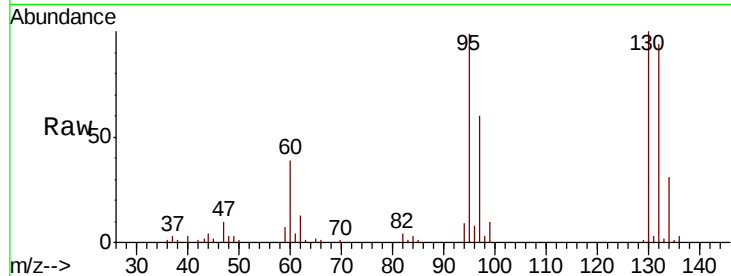




#37
 Trichloroethene
 Concen: 5.316 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053220.D
 Acq: 28 Dec 2018 12:42

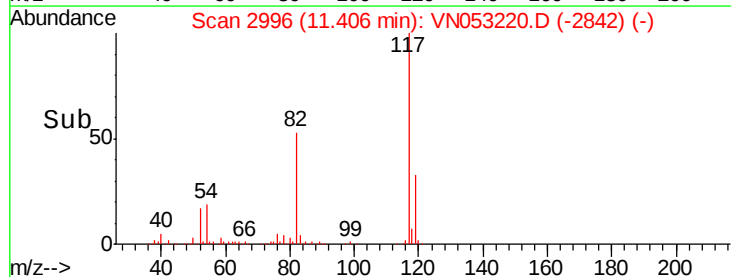
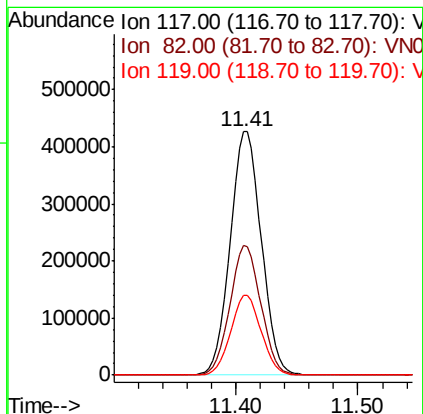
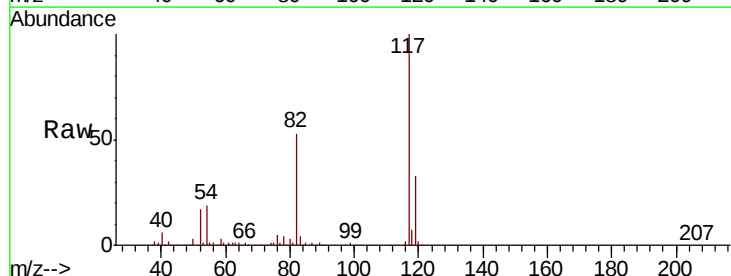
Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-28

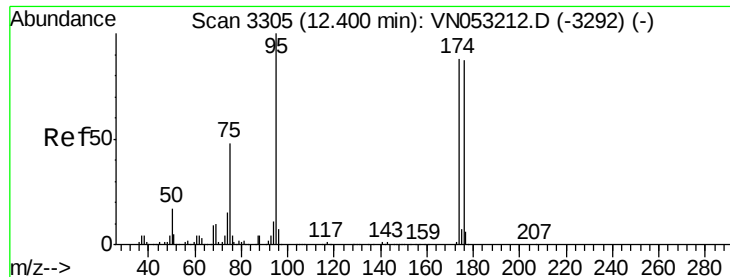
Tot Ion:130 Resp: 57784
 Ion Ratio Lower Upper
 130 100
 95 99.0 81.0 121.4



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN053220.D
 Acq: 28 Dec 2018 12:42

Tgt Ion:117 Resp: 756318
 Ion Ratio Lower Upper
 117 100
 82 52.7 44.2 66.2
 119 32.2 25.4 38.2





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053220.D

Acq: 28 Dec 2018 12:42

Instrument :

MSVOA_N

ClientSampled :

2-AVE-28

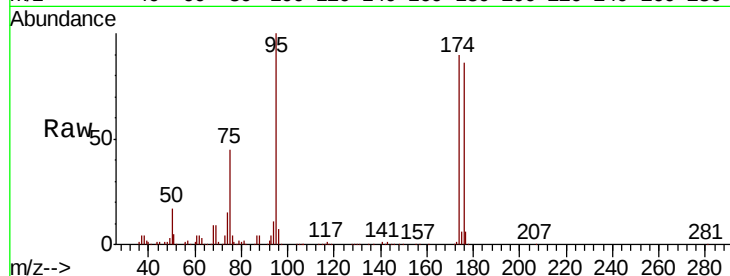
Tot Ion: 95 Resp: 320754

Ion Ratio Lower Upper

95 100

174 89.6 67.9 101.9

176 86.5 66.4 99.6

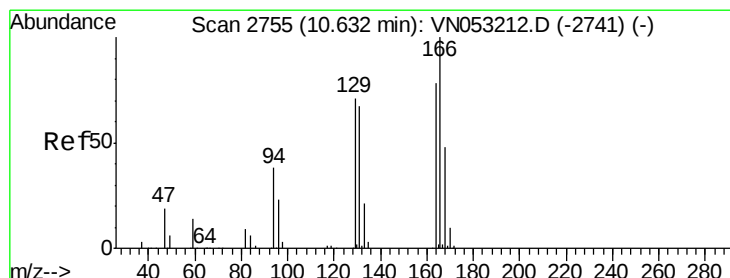
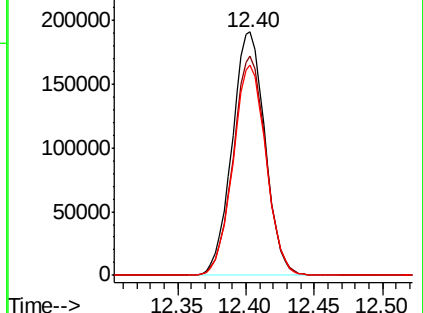
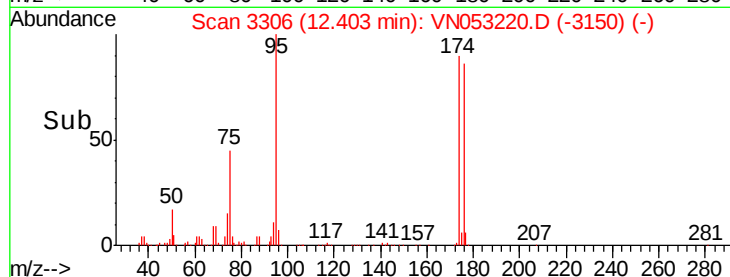


Abundance

Ion 95.00 (94.70 to 95.70): VN053220.D (-3150) (-)

Ion 174.00 (173.70 to 174.70): VN053220.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN053220.D (-3150) (-)



#61

Tetrachloroethene

Concen: 20.689 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053220.D

Acq: 28 Dec 2018 12:42

Tgt Ion: 164 Resp: 231238

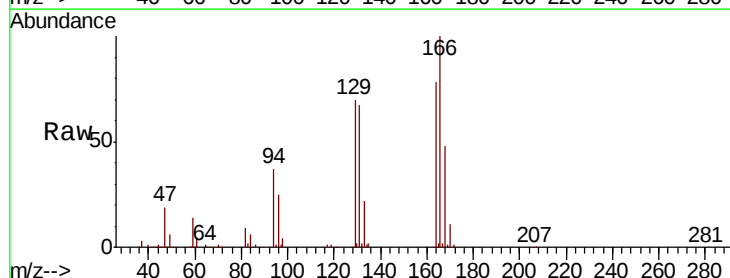
Ion Ratio Lower Upper

164 100

166 128.5 104.6 157.0

129 89.6 75.3 112.9

131 86.3 74.3 111.5



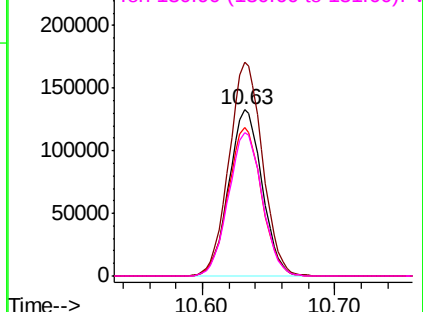
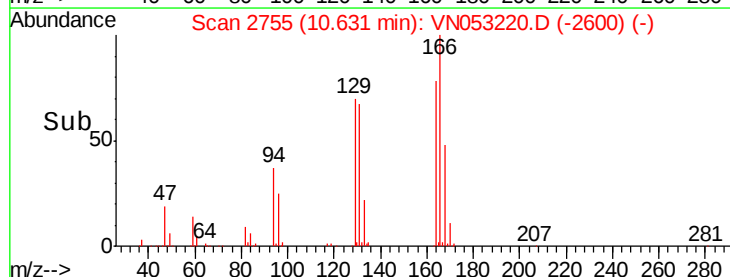
Abundance

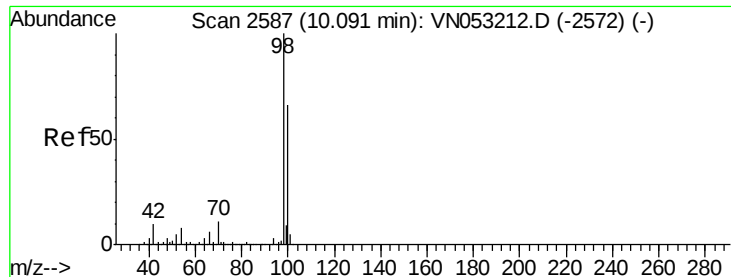
Ion 163.85 (163.55 to 164.55): VN053220.D (-2600) (-)

Ion 165.80 (165.50 to 166.50): VN053220.D (-2600) (-)

Ion 128.90 (128.60 to 129.60): VN053220.D (-2600) (-)

Ion 130.90 (130.60 to 131.60): VN053220.D (-2600) (-)





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053220.D

Acq: 28 Dec 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

2-AVE-28

Tot Ion: 98 Resp: 1029228

Ion Ratio Lower Upper

98 100

100 64.9 51.1 76.7

