

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051750.D
 Acq On : 9 Oct 2018 14:31
 Operator : MD\SY
 Sample : J5360-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-22

Quant Time: Oct 10 10:09:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	113609	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	627580	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	506533	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	224048	28.41	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	94.70%	
60) 4-Bromofluorobenzene	12.40	95	184354	23.85	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	79.50%	
63) Toluene-d8	10.09	98	722127	32.11	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	107.03%	

Target Compounds

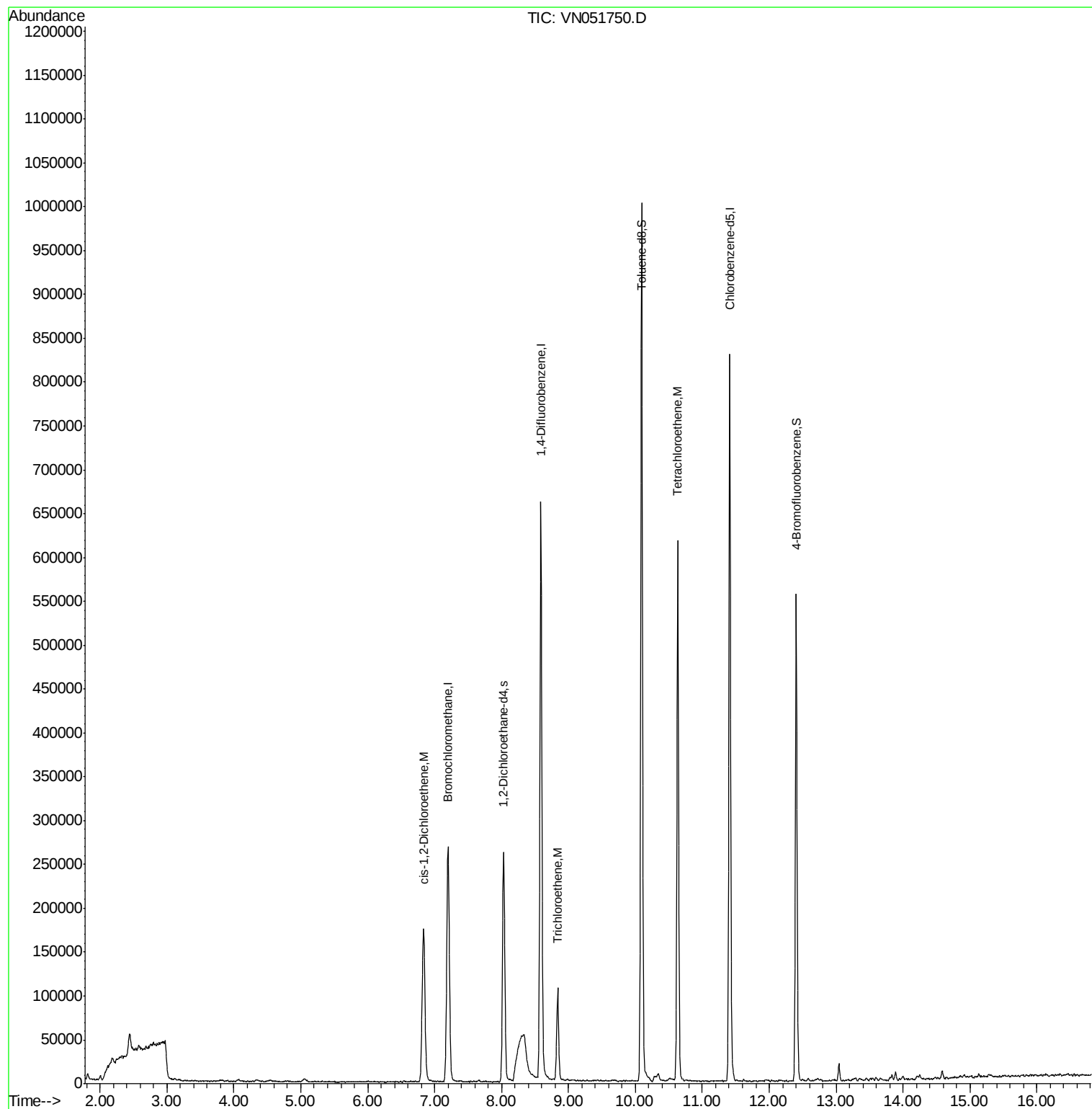
					Ovalue	
22) cis-1,2-Dichloroethene	6.83	96	124879	17.705	ug/l	# 74
37) Trichloroethene	8.84	130	38853	5.538	ug/l	97
61) Tetrachloroethene	10.63	164	144582	24.229	ug/l	96

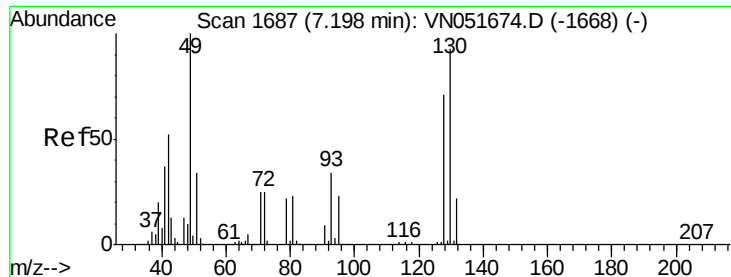
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051750.D

Acq: 9 Oct 2018 14:31

Instrument :

MSVOA_N

ClientSampleId :

2-AVE-22

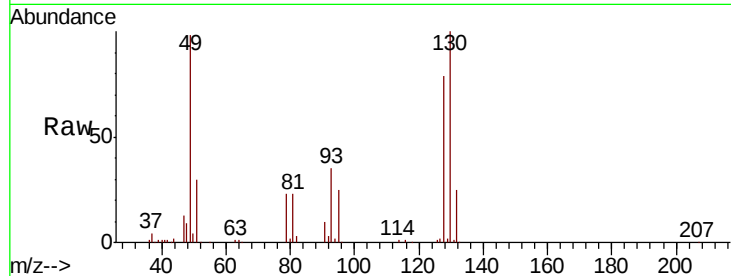
Tot Ion:128 Resp: 113609

Ion Ratio Lower Upper

128 100

49 126.5 0.0 403.3

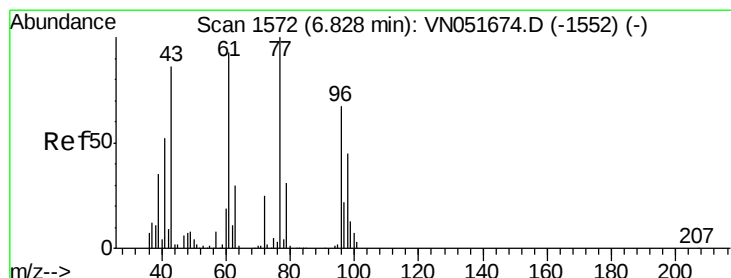
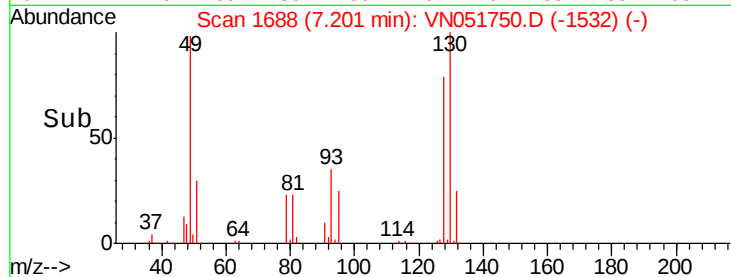
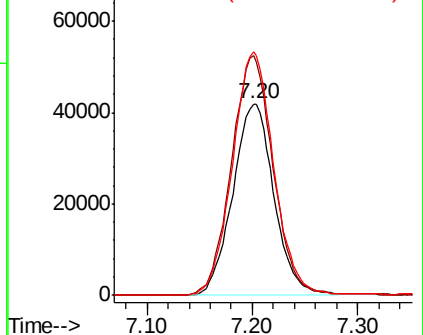
130 127.5 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#22

cis-1,2-Dichloroethene

Concen: 17.705 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051750.D

Acq: 9 Oct 2018 14:31

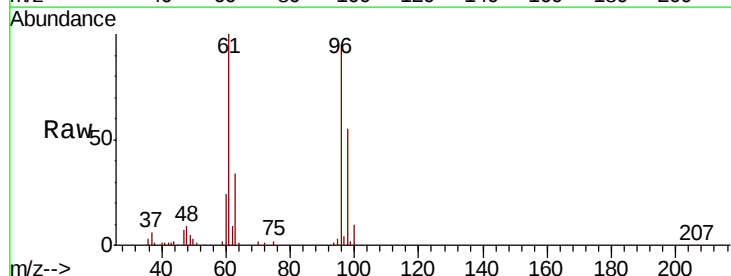
Tgt Ion: 96 Resp: 124879

Ion Ratio Lower Upper

96 100

61 110.4 124.5 186.7#

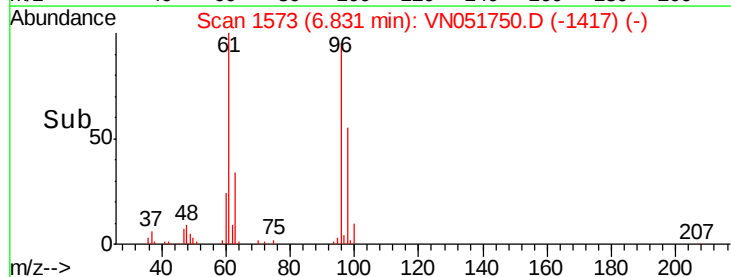
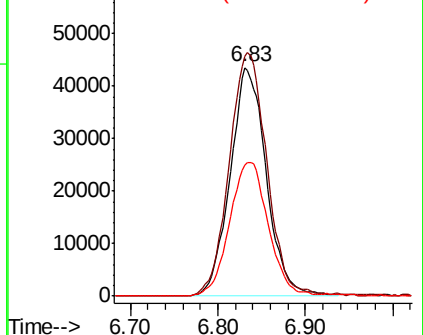
98 62.1 51.9 77.9

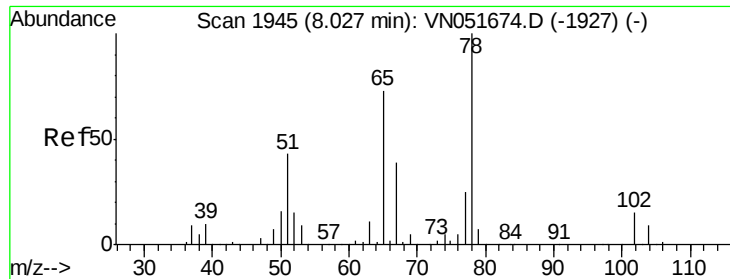


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

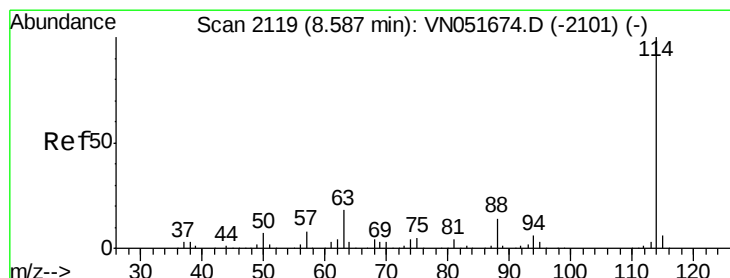
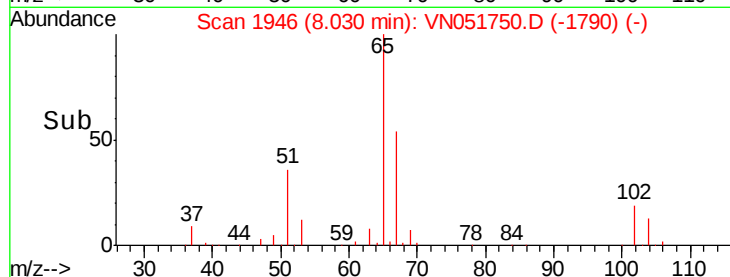
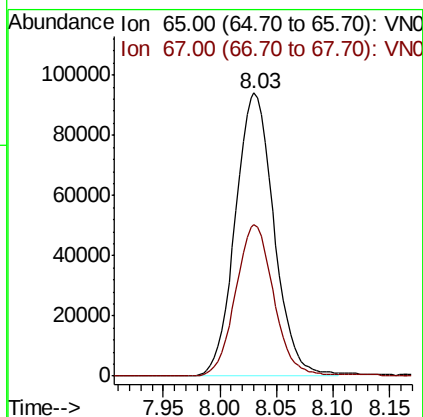
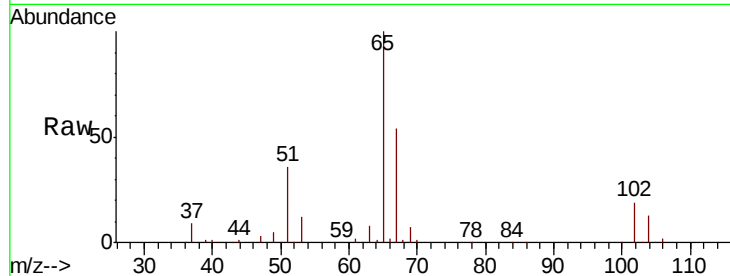




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051750.D
 Acq: 9 Oct 2018 14:31

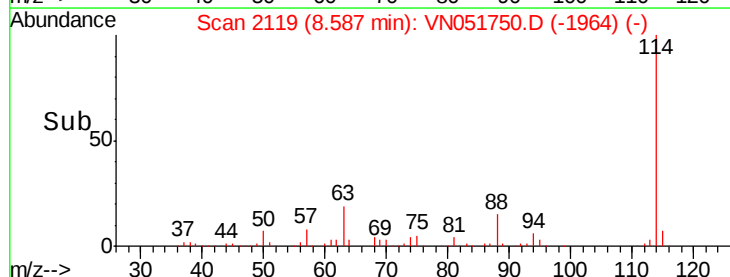
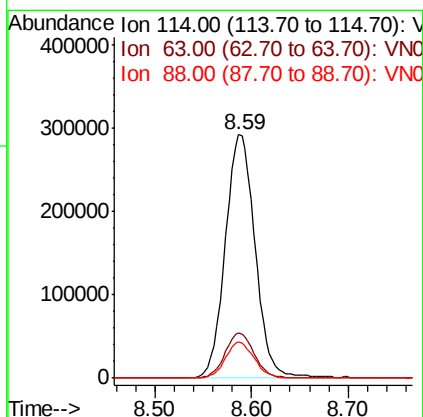
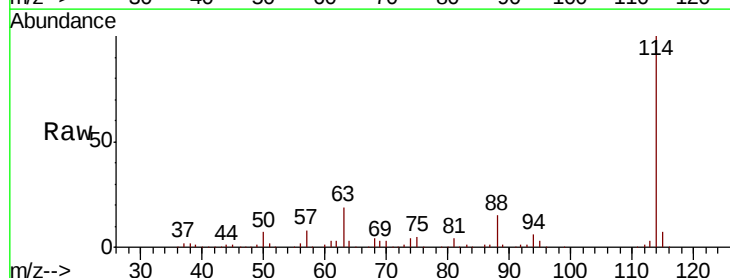
Instrument :
 MSVOA_N
 ClientSampled :
 2-AVE-22

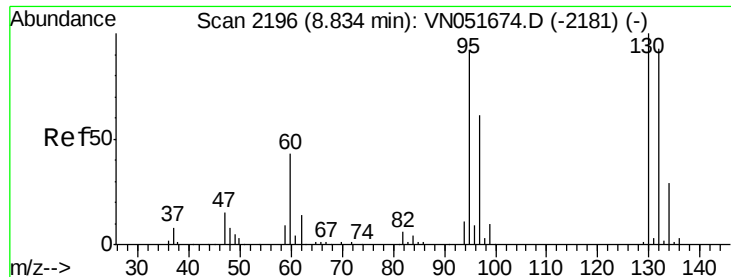
Tot Ion: 65 Resp: 224048
 Ion Ratio Lower Upper
 65 100
 67 52.6 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051750.D
 Acq: 9 Oct 2018 14:31

Tgt Ion: 114 Resp: 627580
 Ion Ratio Lower Upper
 114 100
 63 18.1 16.2 24.2
 88 14.3 12.2 18.4

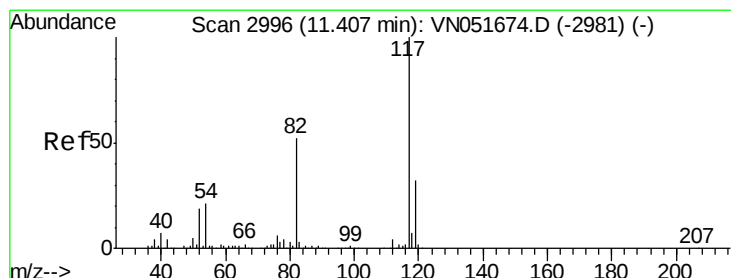
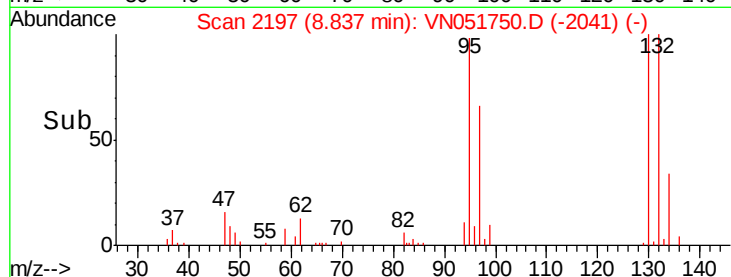
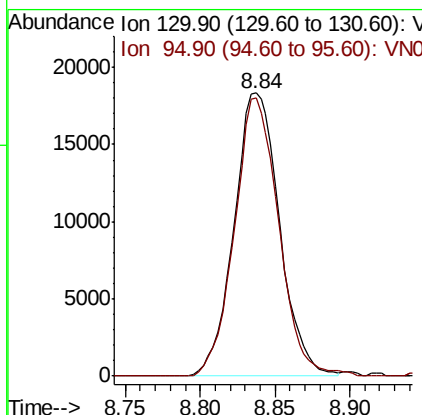
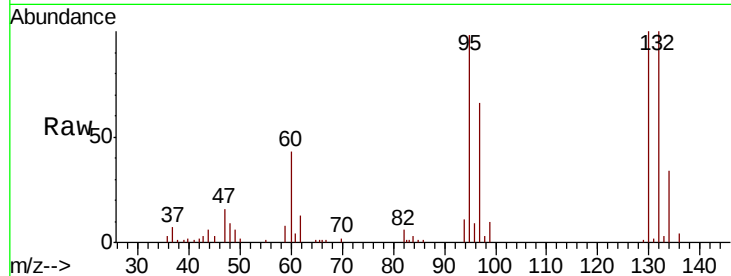




#37
 Trichloroethene
 Concen: 5.538 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051750.D
 Acq: 9 Oct 2018 14:31

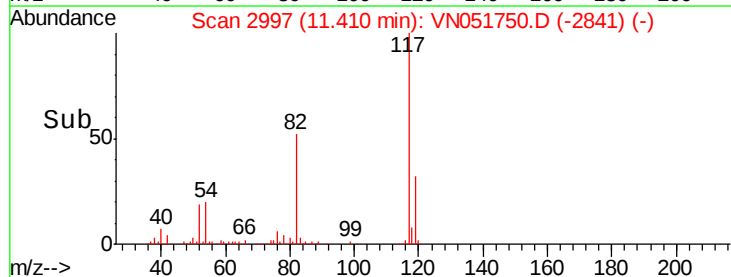
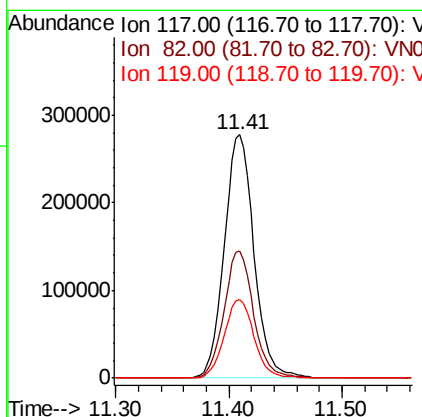
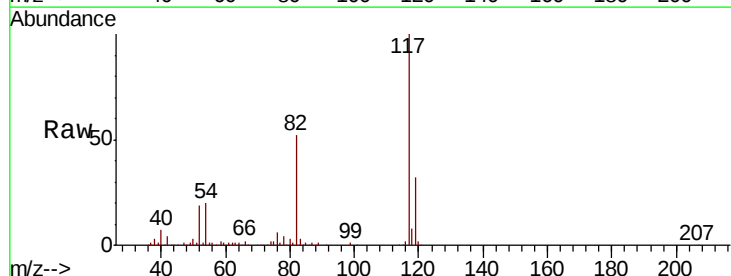
Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-22

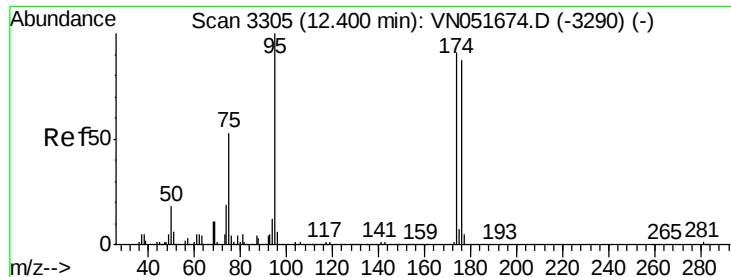
Tot Ion:130 Resp: 38853
 Ion Ratio Lower Upper
 130 100
 95 98.3 76.4 114.6



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN051750.D
 Acq: 9 Oct 2018 14:31

Tgt Ion:117 Resp: 506533
 Ion Ratio Lower Upper
 117 100
 82 51.9 44.1 66.1
 119 32.5 25.8 38.8





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051750.D

Acq: 9 Oct 2018 14:31

Instrument :

MSVOA_N

ClientSampled :

2-AVE-22

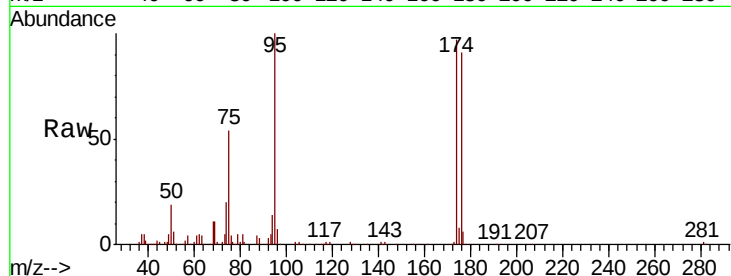
Tot Ion: 95 Resp: 184354

Ion Ratio Lower Upper

95 100

174 95.9 73.5 110.3

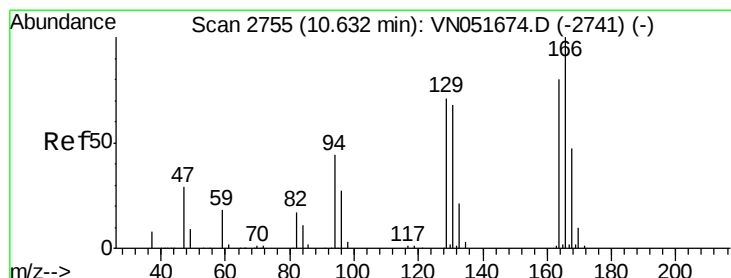
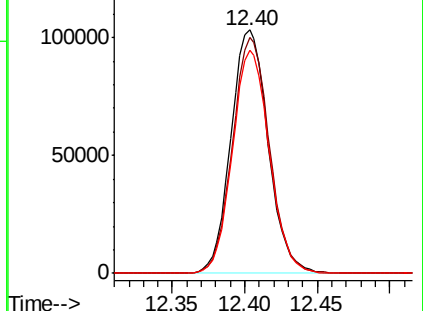
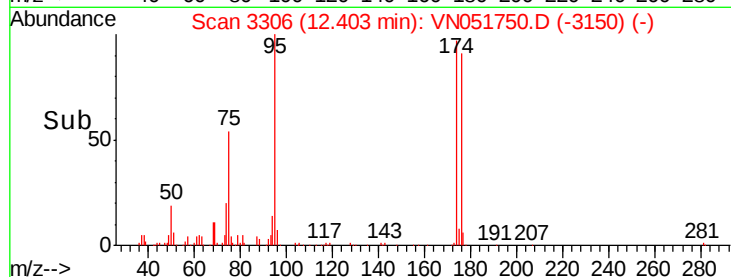
176 90.6 70.2 105.2



Abundance Ion 95.00 (94.70 to 95.70): VN051750.D (-3150) (-)

Ion 174.00 (173.70 to 174.70): VN051750.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN051750.D (-3150) (-)



#61

Tetrachloroethene

Concen: 24.229 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051750.D

Acq: 9 Oct 2018 14:31

Tgt Ion: 164 Resp: 144582

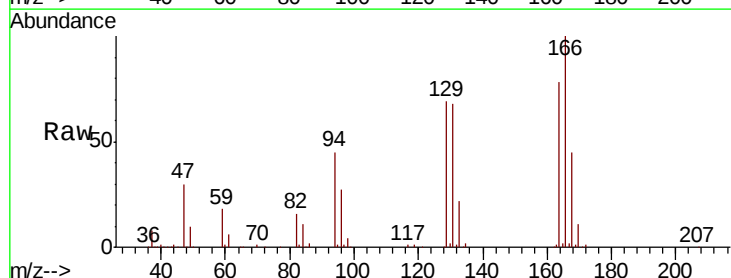
Ion Ratio Lower Upper

164 100

166 128.9 98.7 148.1

129 88.9 69.6 104.4

131 87.2 72.4 108.6

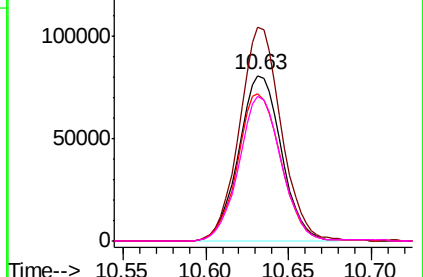
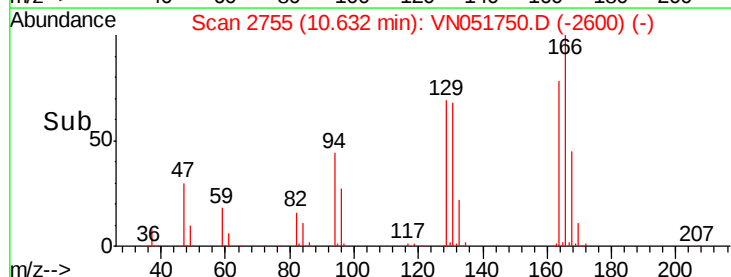


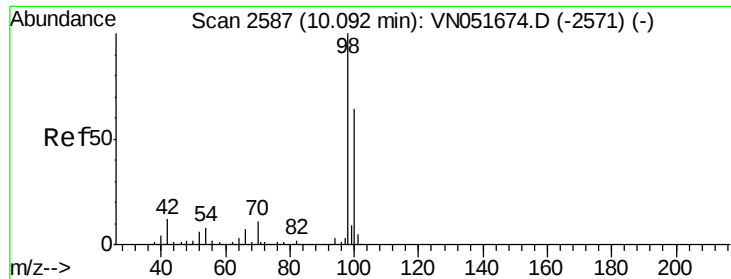
Abundance Ion 163.85 (163.55 to 164.55): VN051750.D (-2600) (-)

Ion 165.80 (165.50 to 166.50): VN051750.D (-2600) (-)

Ion 128.90 (128.60 to 129.60): VN051750.D (-2600) (-)

Ion 130.90 (130.60 to 131.60): VN051750.D (-2600) (-)





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051750.D

Acq: 9 Oct 2018 14:31

Instrument :

MSVOA_N

ClientSampleId :

2-AVE-22

Tot Ion: 98 Resp: 722127

Ion Ratio Lower Upper

98 100

100 63.3 50.8 76.2

