

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050205.D
 Acq On : 31 Jul 2018 10:02
 Operator : MD\SY
 Sample : J4239-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-17

Quant Time: Aug 01 09:07:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123793	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	669880	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	547166	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	261976	31.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.77%
60) 4-Bromofluorobenzene	12.40	95	186397	22.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	73.90%
63) Toluene-d8	10.09	98	766308	29.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.73%

Target Compounds

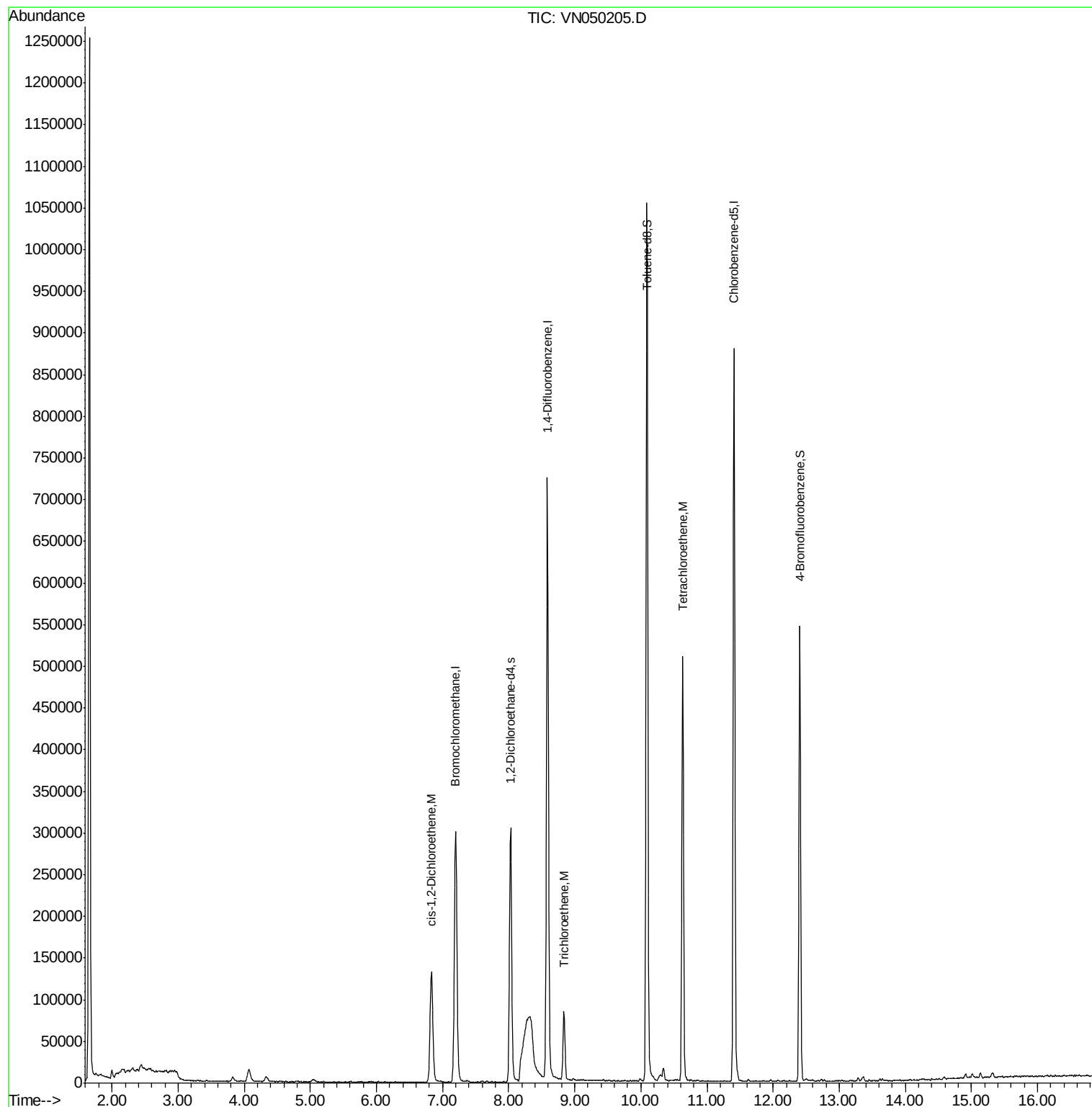
					Ovalue
22) cis-1,2-Dichloroethene	6.83	96	91635	11.694 ug/l	92
37) Trichloroethene	8.84	130	31805	3.841 ug/l	99
61) Tetrachloroethene	10.63	164	125779	16.971 ug/l	97

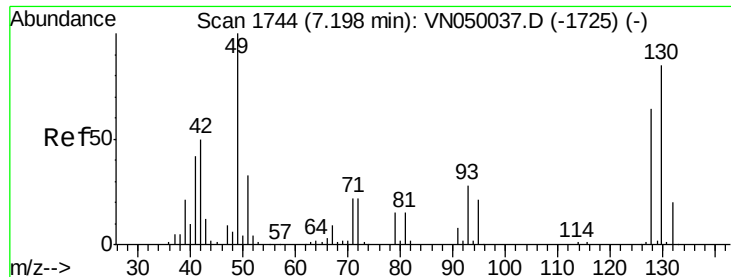
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050205.D

Acq: 31 Jul 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

2-AVE-17

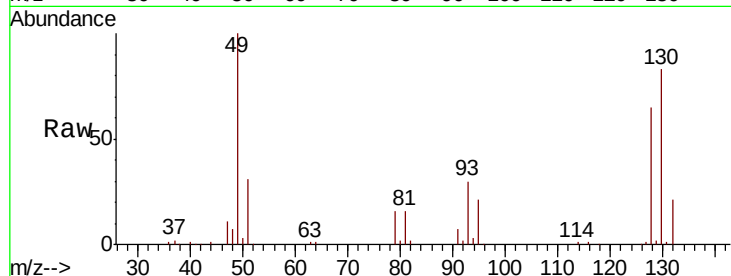
Tot Ion:128 Resp: 123793

Ion Ratio Lower Upper

128 100

49 157.9 0.0 378.3

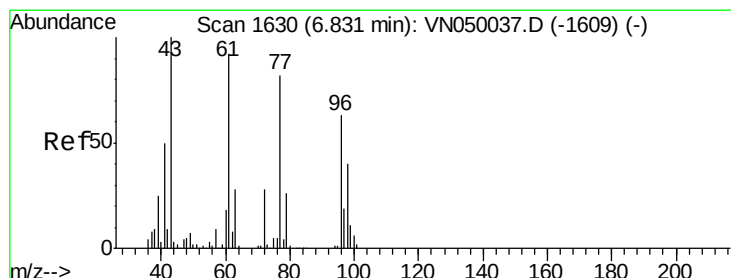
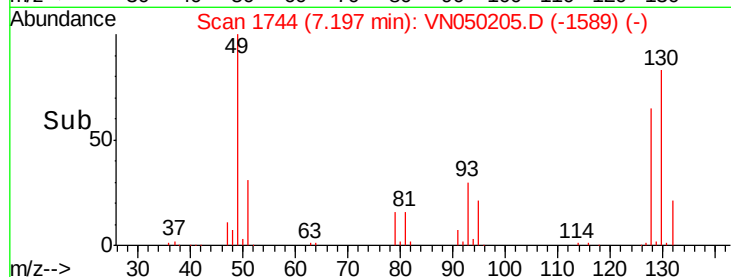
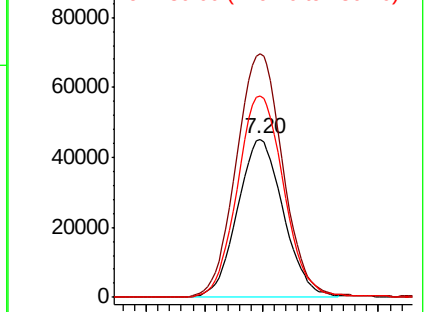
130 129.7 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#22

cis-1,2-Dichloroethene

Concen: 11.694 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050205.D

Acq: 31 Jul 2018 10:02

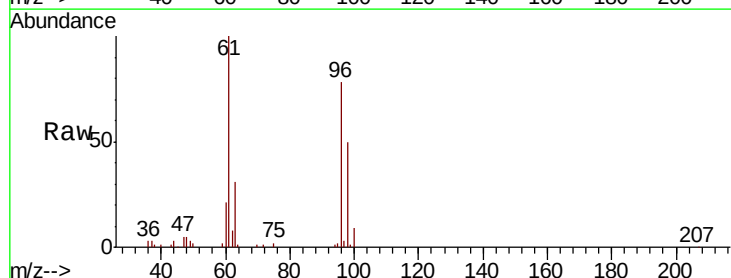
Tgt Ion: 96 Resp: 91635

Ion Ratio Lower Upper

96 100

61 128.1 114.2 171.2

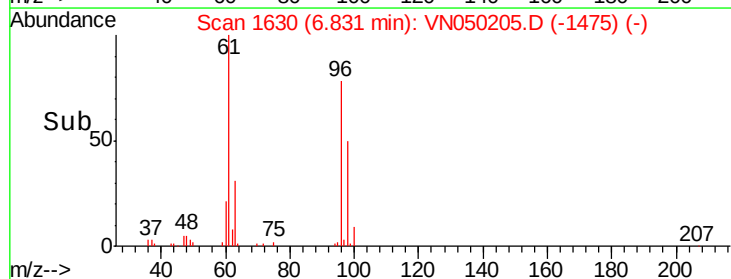
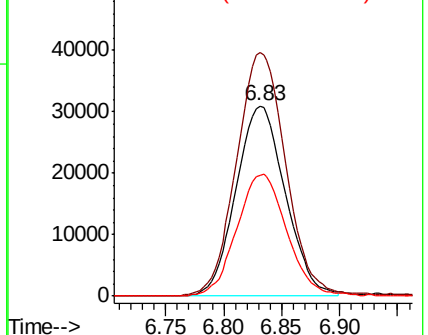
98 65.1 51.7 77.5

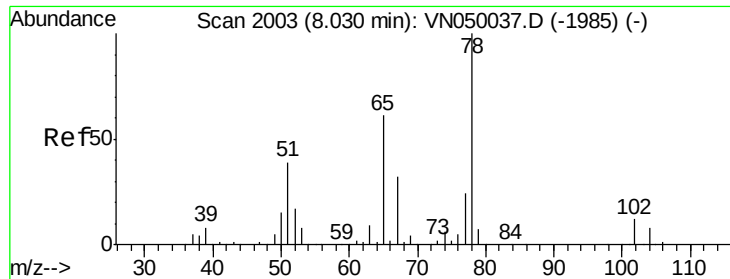


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

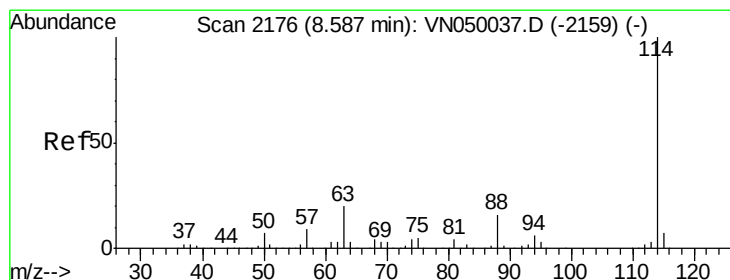
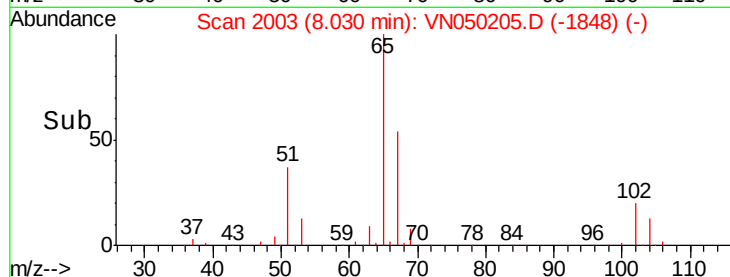
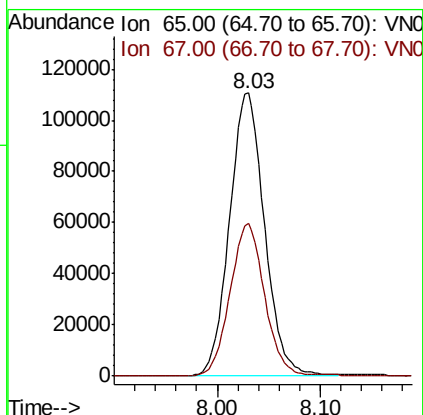
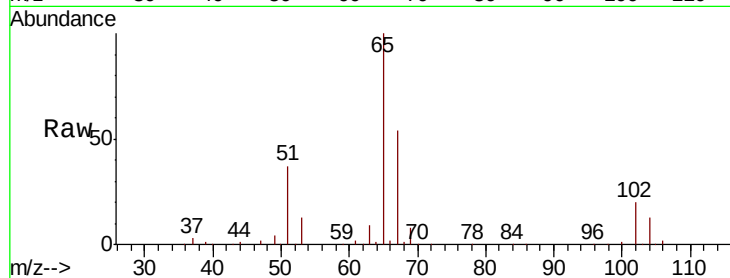




#27
 1,2-Dichloroethane-d4
 Concen: 31.134 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050205.D
 Acq: 31 Jul 2018 10:02

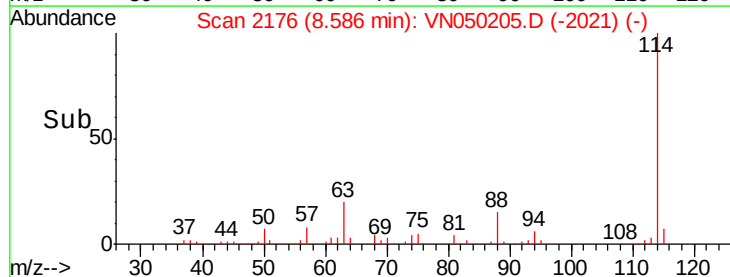
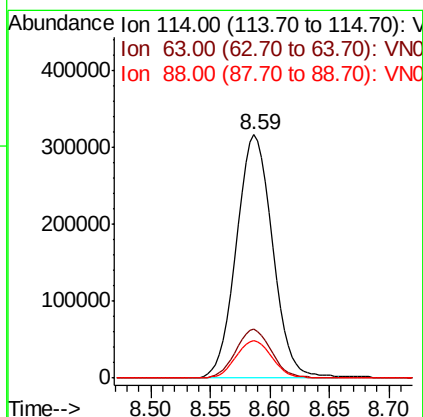
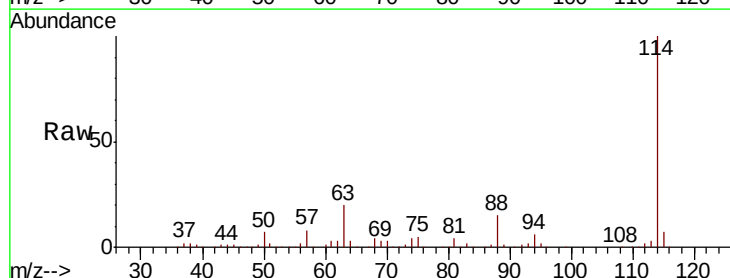
Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-17

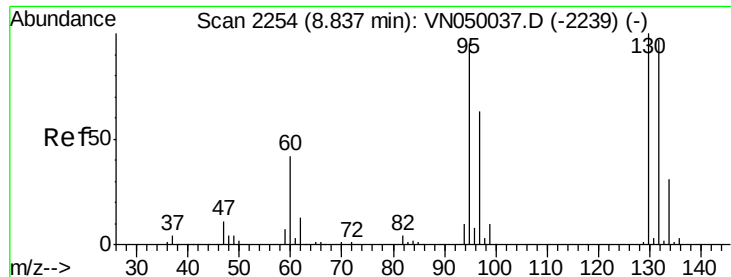
Tot Ion: 65 Resp: 261976
 Ion Ratio Lower Upper
 65 100
 67 53.1 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050205.D
 Acq: 31 Jul 2018 10:02

Tgt Ion: 114 Resp: 669880
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.2 24.2
 88 15.3 12.3 18.5

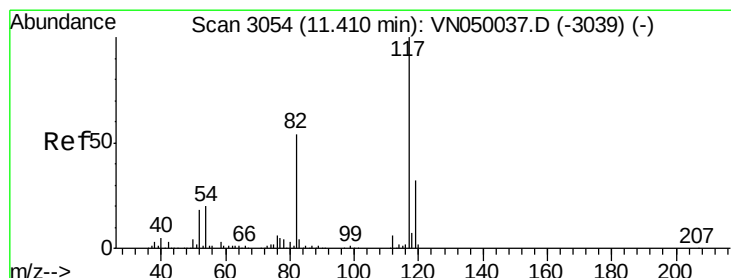
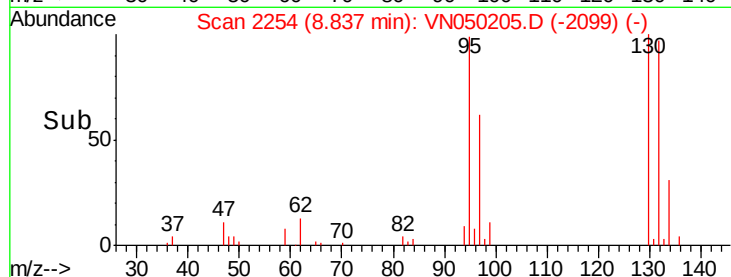
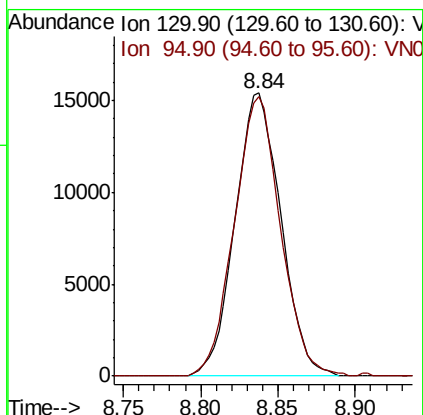
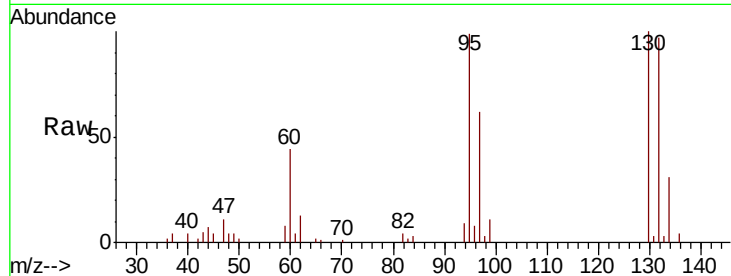




#37
 Trichloroethene
 Concen: 3.841 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050205.D
 Acq: 31 Jul 2018 10:02

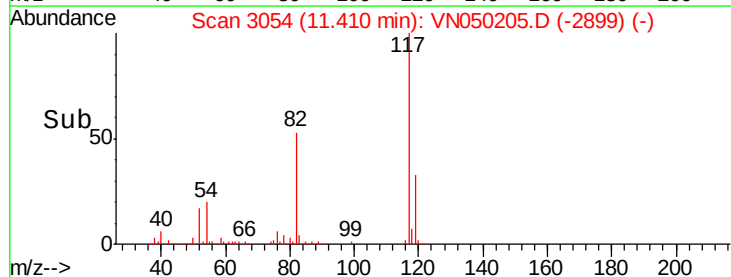
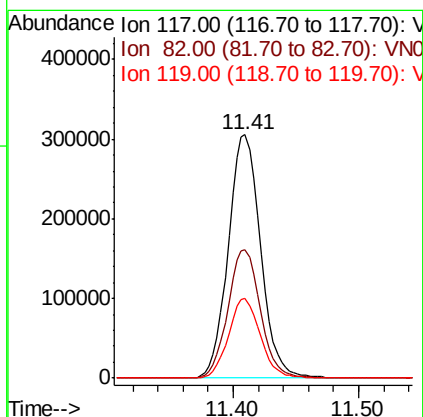
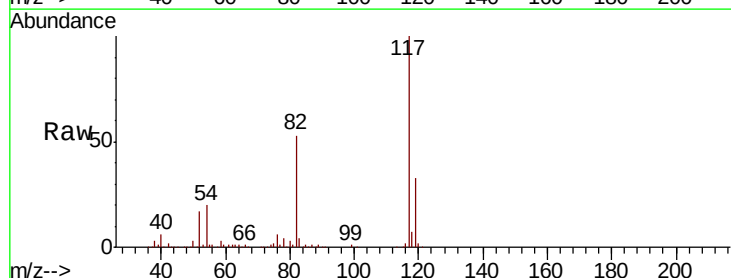
Instrument :
 MSVOA_N
 ClientSampled :
 2-AVE-17

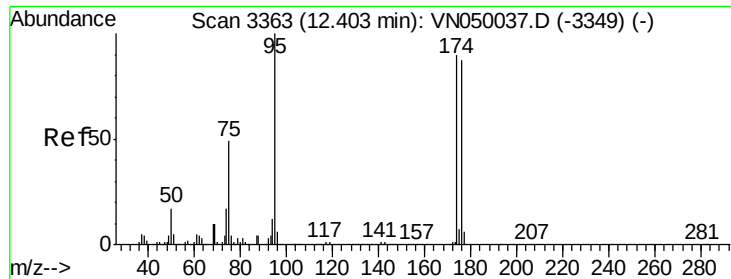
Tot Ion:130 Resp: 31805
 Ion Ratio Lower Upper
 130 100
 95 98.5 79.7 119.5



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050205.D
 Acq: 31 Jul 2018 10:02

Tgt Ion:117 Resp: 547166
 Ion Ratio Lower Upper
 117 100
 82 53.1 42.4 63.6
 119 32.3 25.4 38.0

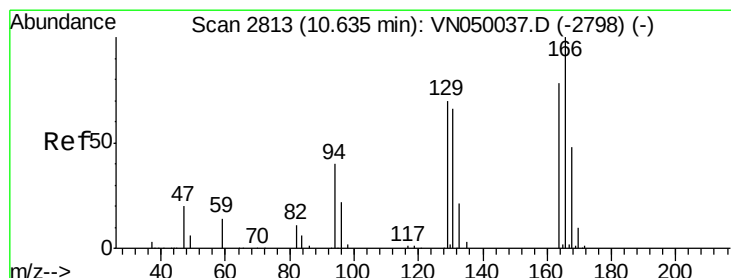
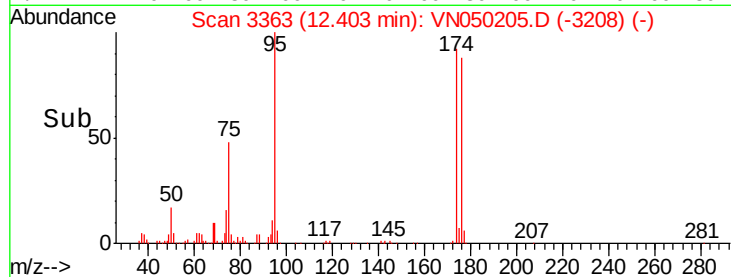
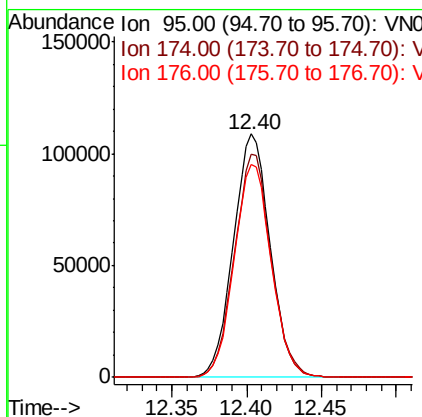
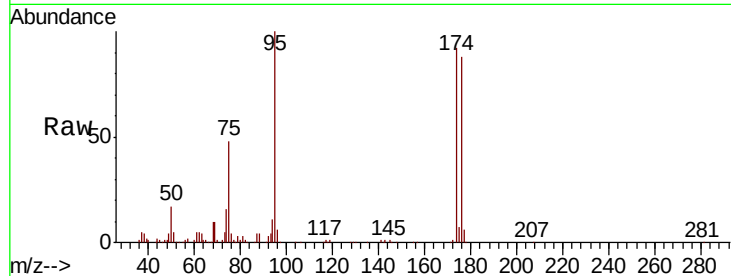




#60
4-Bromofluorobenzene
Concen: 22.174 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050205.D
Acq: 31 Jul 2018 10:02

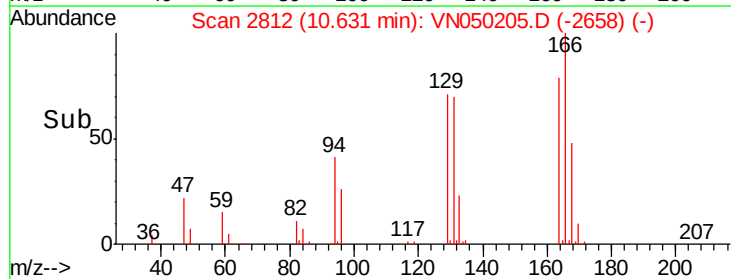
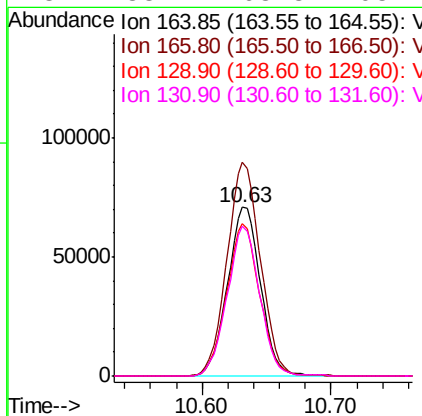
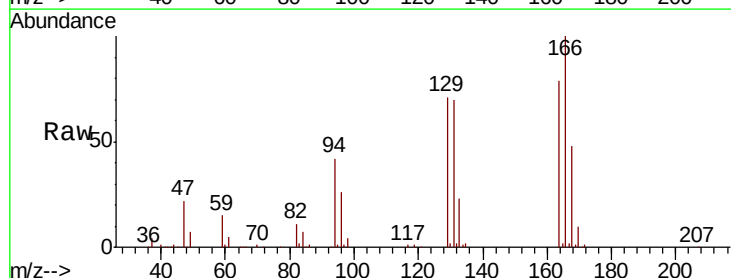
Instrument :
MSVOA_N
ClientSampleId :
2-AVE-17

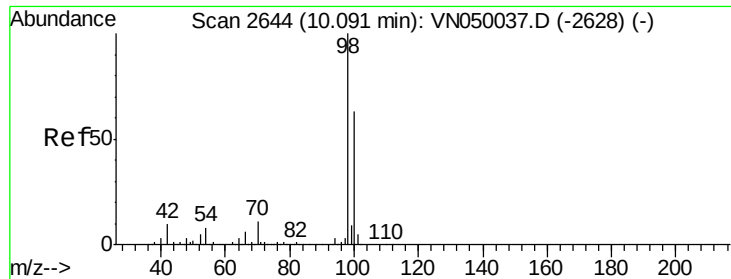
Tot Ion	95	Resp	186397
Ion Ratio	Lower	Upper	
95	100		
174	91.4	72.3	108.5
176	88.1	70.0	105.0



#61
Tetrachloroethene
Concen: 16.971 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050205.D
Acq: 31 Jul 2018 10:02

Tgt Ion	164	Resp	125779
Ion Ratio	Lower	Upper	
164	100		
166	126.7	100.0	150.0
129	90.6	69.3	103.9
131	88.7	68.8	103.2





#63
 Toluene-d8
 Concen: 29.320 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050205.D
 Acq: 31 Jul 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-17

Tot Ion: 98 Resp: 766308
 Ion Ratio Lower Upper
 98 100
 100 63.3 51.2 76.8

