

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052538.D
 Acq On : 29 Nov 2018 00:20
 Operator : MD\SY
 Sample : J6086-01DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1DL

Quant Time: Nov 29 02:36:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	178739	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1011865	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	824268	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	356581	29.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.60%
60) 4-Bromofluorobenzene	12.40	95	327193	25.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.53%
63) Toluene-d8	10.09	98	1168237	30.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.90%

Target Compounds

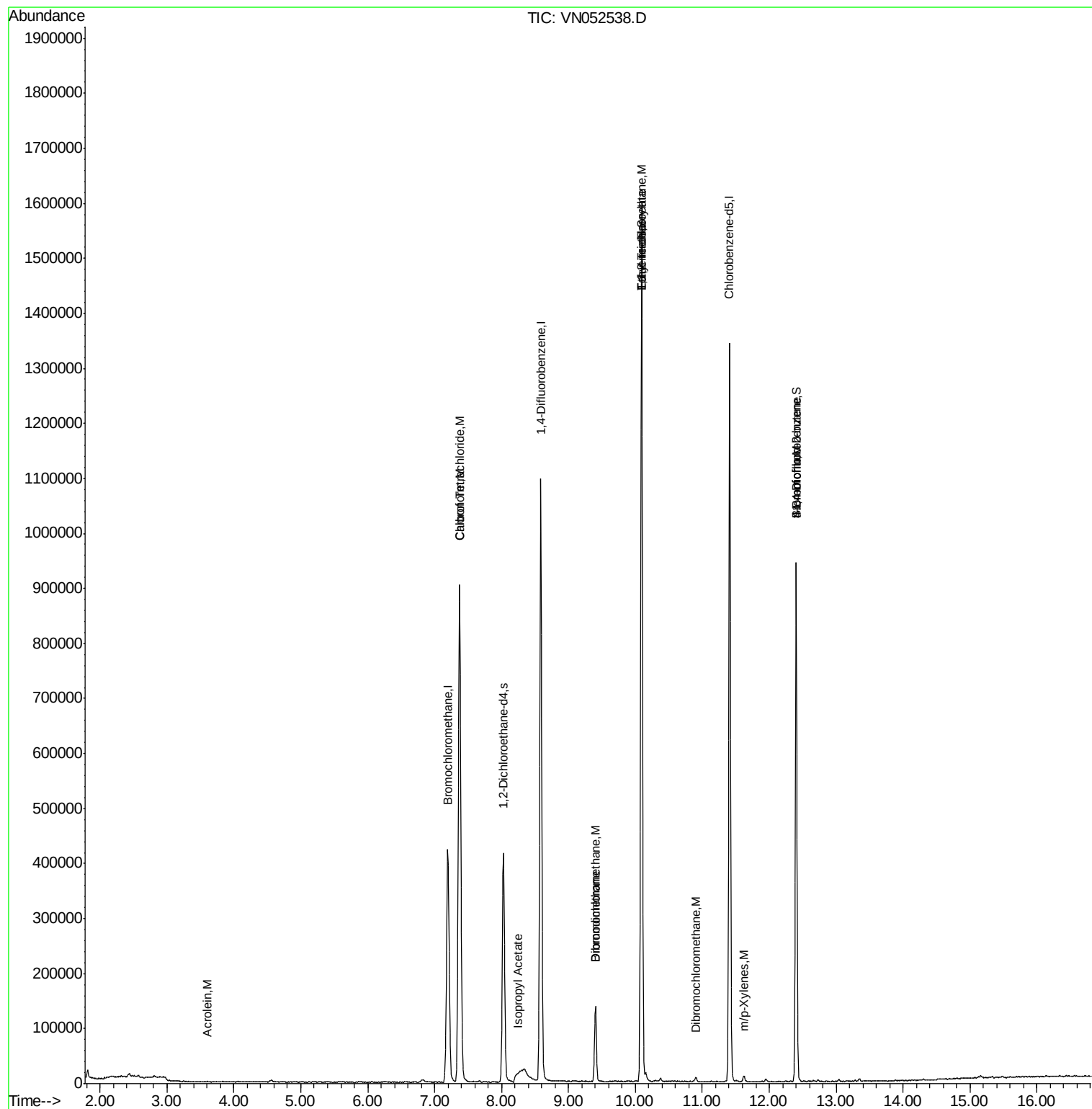
					Ovalue
13) Acrolein	3.61	56	205	0.205 ug/l	89
25) Chloroform	7.37	83	985749	48.803 ug/l	98
33) Carbon Tetrachloride	7.37	117	11748	0.835 ug/l	97
40) Dibromomethane	9.40	93	1586	0.236 ug/l #	5
41) Bromodichloromethane	9.40	83	99090	6.664 ug/l	97
44) Isopropyl Acetate	8.24	43	14112	0.915 ug/l #	58
50) 1,1,2-Trichloroethane	10.10	97	34179	3.583 ug/l #	1
51) Ethyl methacrylate	10.10	69	3595	0.300 ug/l	91
53) Dibromochloromethane	10.90	129	4363	0.415 ug/l	92
56) Bromoform	12.40	173	1949	0.284 ug/l #	1
67) m/p-Xylenes	11.62	106	3650	0.200 ug/l	92
77) t-1,4-Dichloro-2-butene	12.40	75	155316	55.881 ug/l #	11

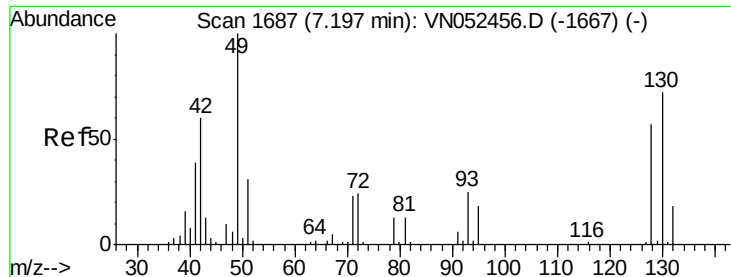
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
14B-1DL

Quant Time: Nov 29 02:36:07 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

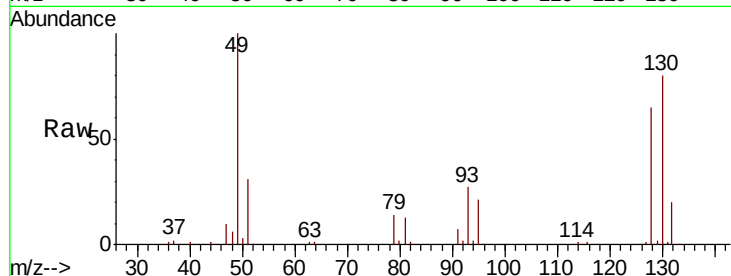




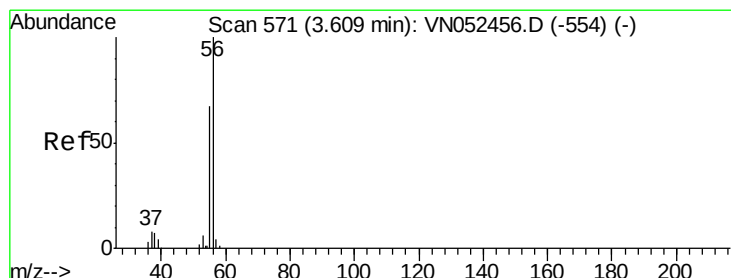
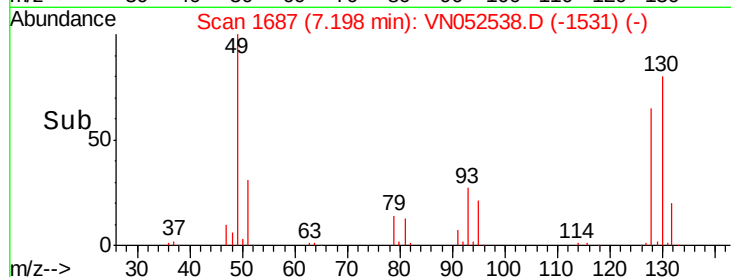
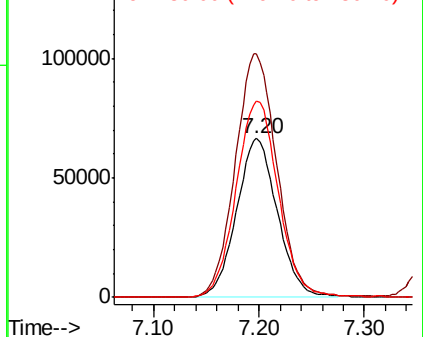
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052538.D
 Acq: 29 Nov 2018 00:20

Instrument :
 MSVOA_N
 ClientSampled :
 14B-1DL

Tot Ion:128 Resp: 178739
 Ion Ratio Lower Upper
 128 100
 49 156.4 0.0 431.8
 130 127.9 0.0 317.0

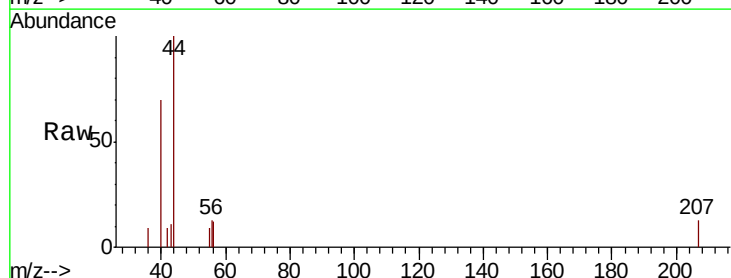


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

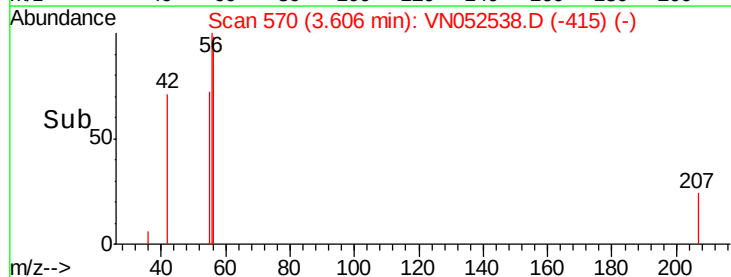
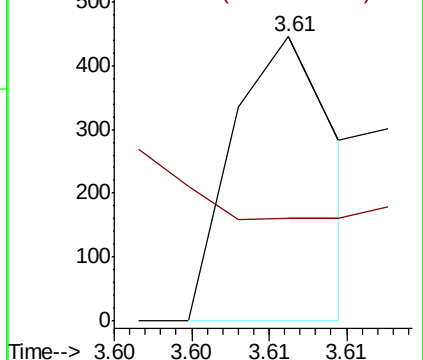


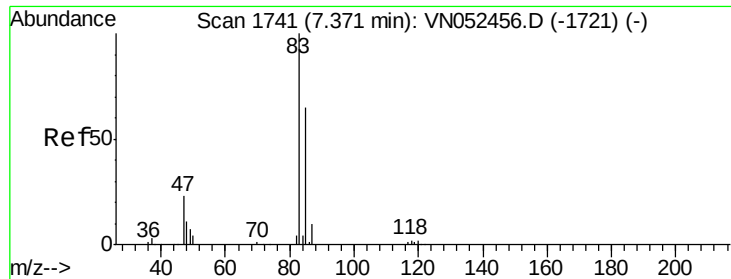
#13
 Acrolein
 Concen: 0.205 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VN052538.D
 Acq: 29 Nov 2018 00:20

Tgt Ion: 56 Resp: 205
 Ion Ratio Lower Upper
 56 100
 55 80.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN
 Ion 55.00 (54.70 to 55.70): VN

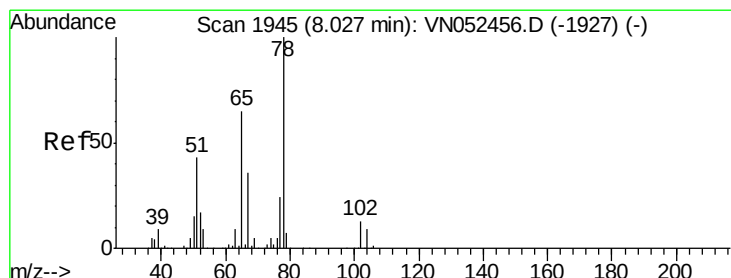
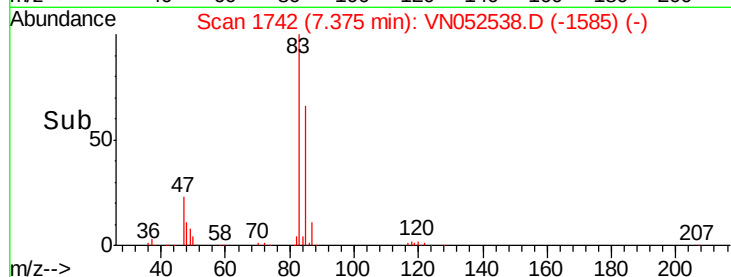
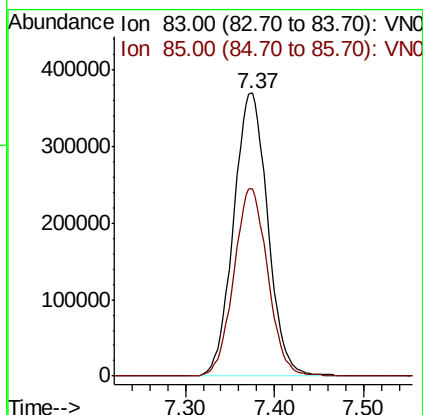
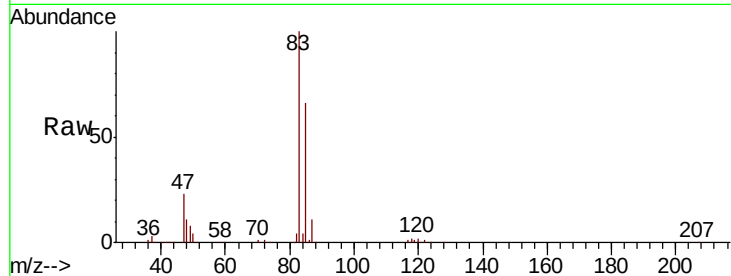




#25
Chloroform
Concen: 48.803 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052538.D
Acq: 29 Nov 2018 00:20

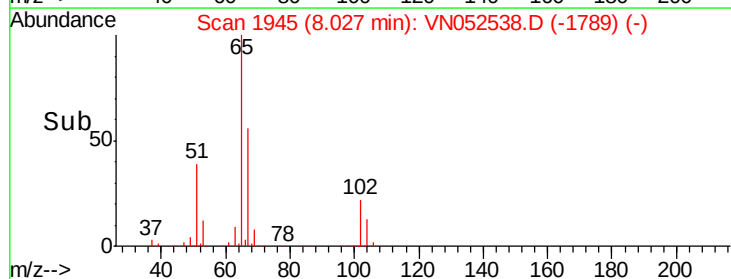
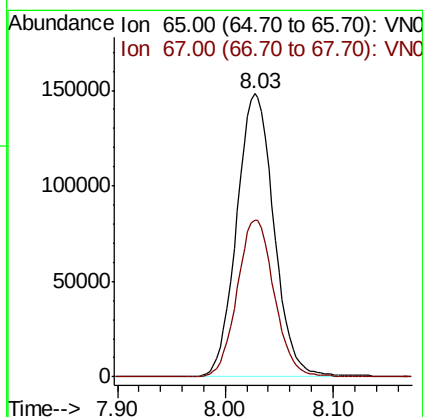
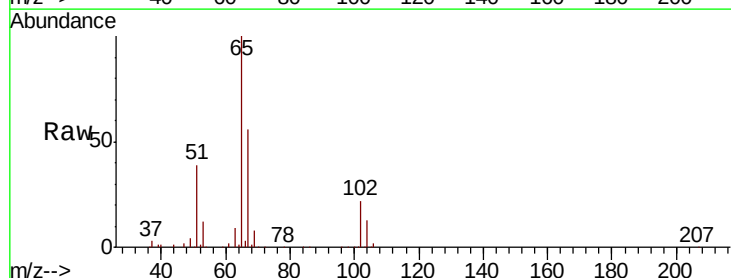
Instrument :
MSVOA_N
ClientSampled :
14B-1DL

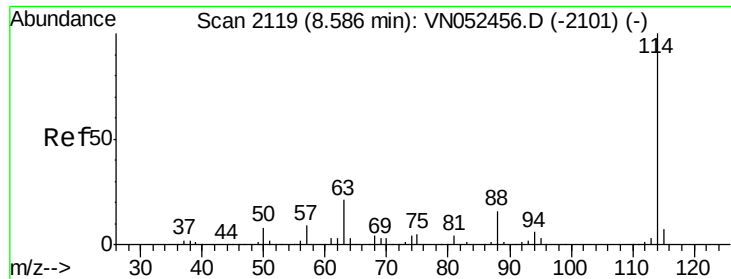
Tot Ion: 83 Resp: 985749
Ion Ratio Lower Upper
83 100
85 66.1 51.7 77.5



#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052538.D
Acq: 29 Nov 2018 00:20

Tgt Ion: 65 Resp: 356581
Ion Ratio Lower Upper
65 100
67 55.0 44.6 66.8

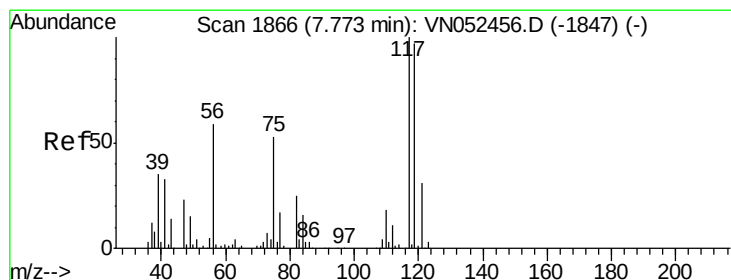
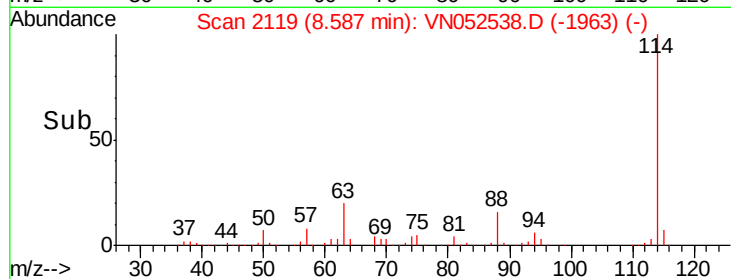
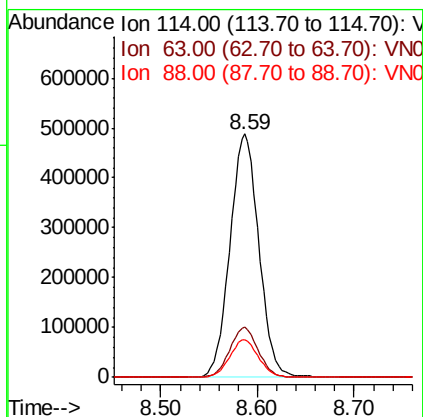
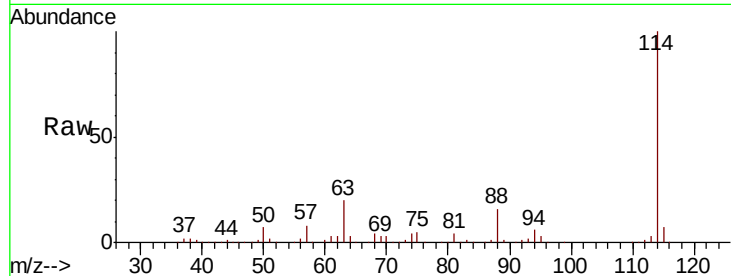




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052538.D
 Acq: 29 Nov 2018 00:20

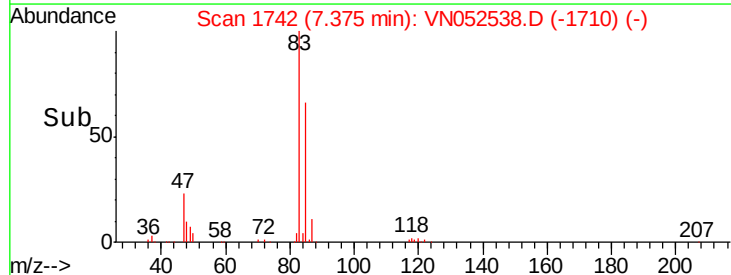
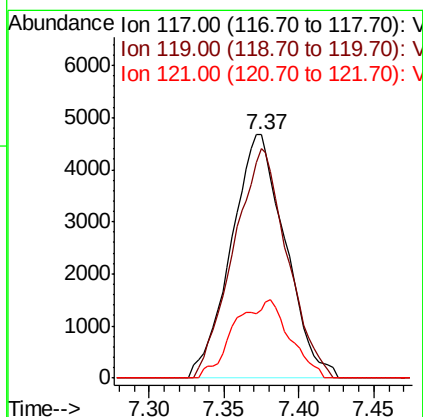
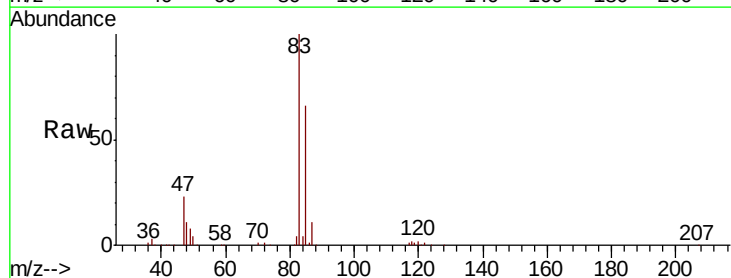
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1DL

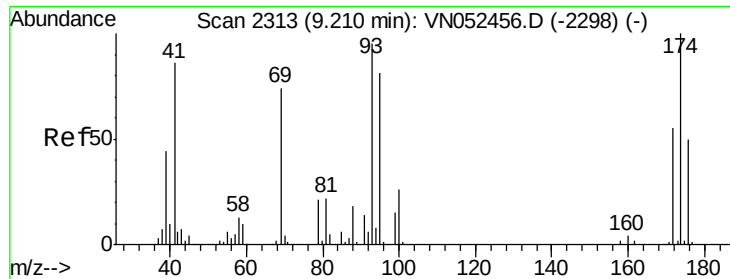
Tot Ion:114 Resp: 1011865
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.9 25.3
 88 15.5 12.8 19.2



#33
 Carbon Tetrachloride
 Concen: 0.835 ug/l
 RT: 7.37 min Scan# 1742
 Delta R.T. -0.40 min
 Lab File: VN052538.D
 Acq: 29 Nov 2018 00:20

Tgt Ion:117 Resp: 11748
 Ion Ratio Lower Upper
 117 100
 119 94.4 77.3 115.9
 121 28.1 24.9 37.3

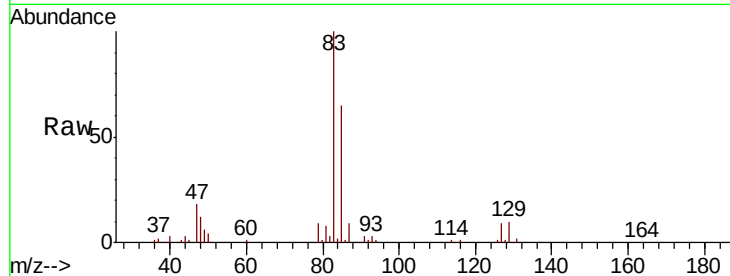




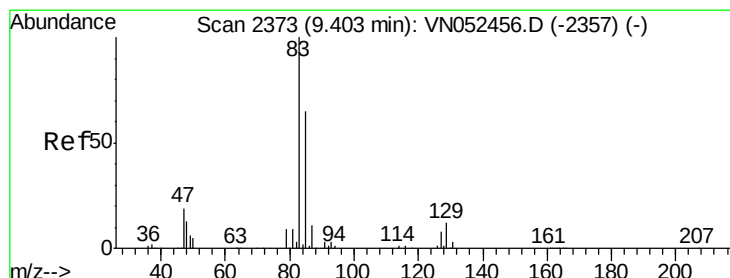
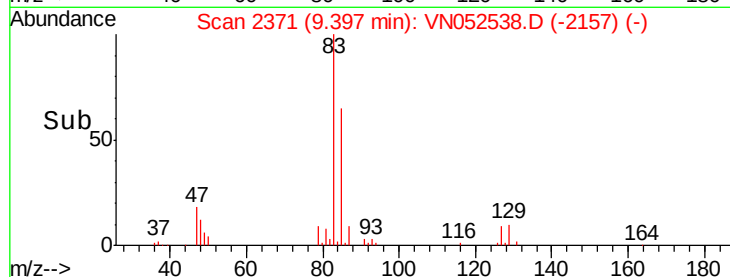
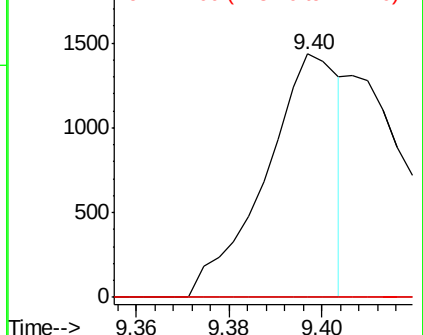
#40
Dibromomethane
Concen: 0.236 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.19 min
Lab File: VN052538.D
Acq: 29 Nov 2018 00:20

Instrument :
MSVOA_N
ClientSampleId :
14B-1DL

Tot Ion: 93 Resp: 1586
Ion Ratio Lower Upper
93 100
95 0.0 0.0 168.4
174 4.7 0.0 210.0

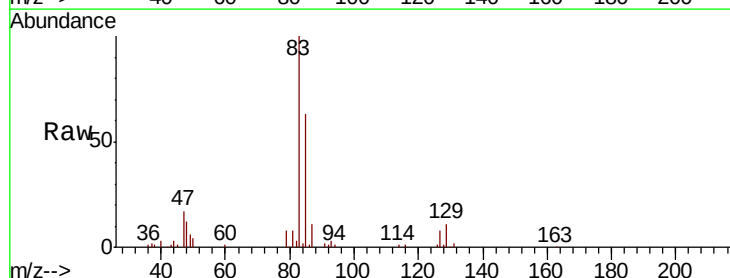


Abundance Ion 93.00 (92.70 to 93.70): VN0
Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V

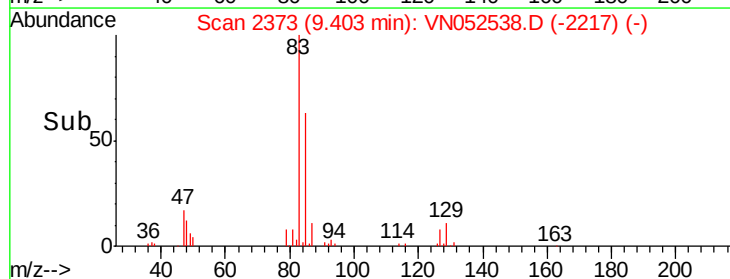
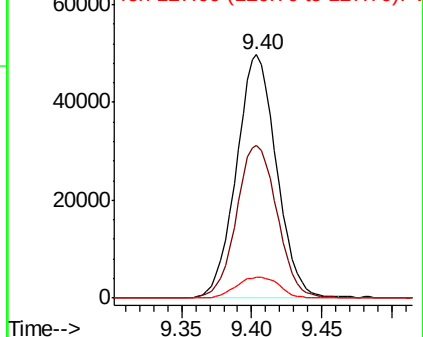


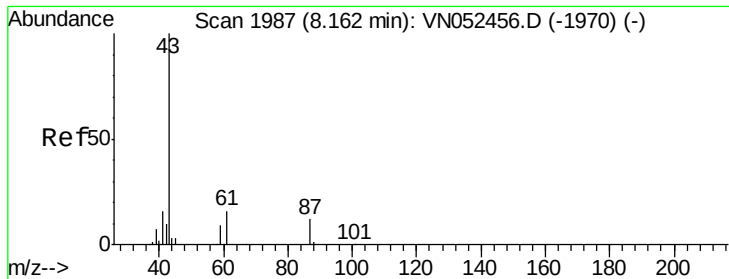
#41
Bromodichloromethane
Concen: 6.664 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052538.D
Acq: 29 Nov 2018 00:20

Tgt Ion: 83 Resp: 99090
Ion Ratio Lower Upper
83 100
85 62.6 52.4 78.6
127 8.4 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V





#44

Isopropyl Acetate

Concen: 0.915 ug/l

RT: 8.24 min Scan# 2010

Delta R.T. 0.07 min

Lab File: VN052538.D

Acq: 29 Nov 2018 00:20

Instrument :

MSVOA_N

ClientSampleId :

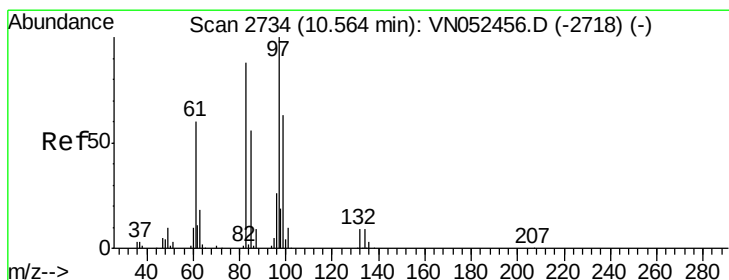
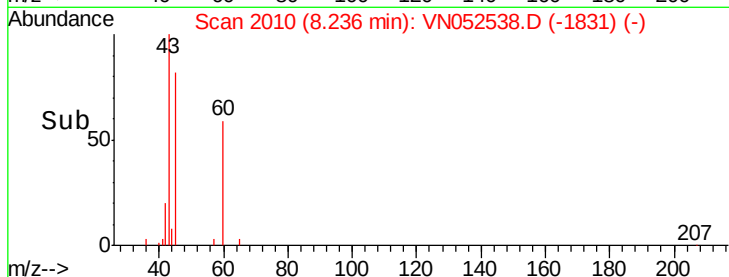
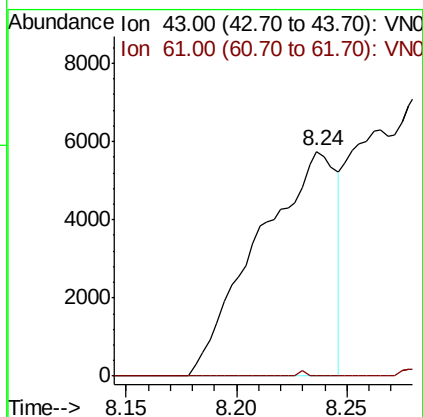
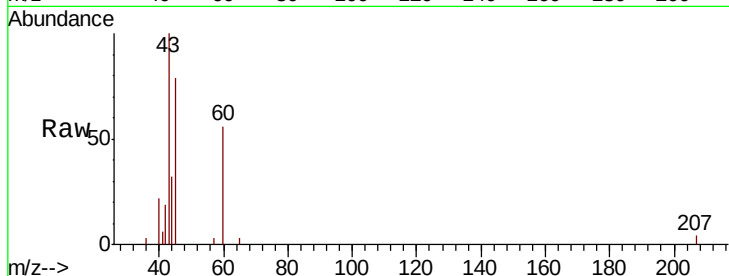
14B-1DL

Tot Ion: 43 Resp: 14112

Ion Ratio Lower Upper

43 100

61 0.7 16.0 24.0#



#50

1,1,2-Trichloroethane

Concen: 3.583 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.47 min

Lab File: VN052538.D

Acq: 29 Nov 2018 00:20

Tgt Ion: 97 Resp: 34179

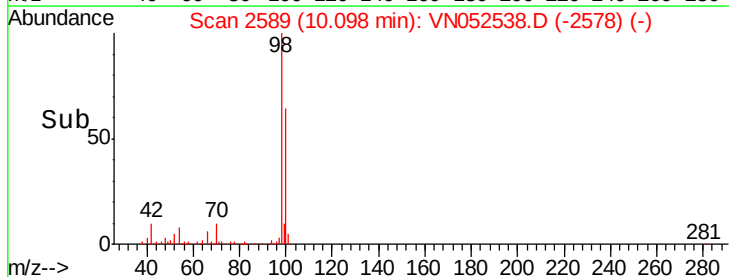
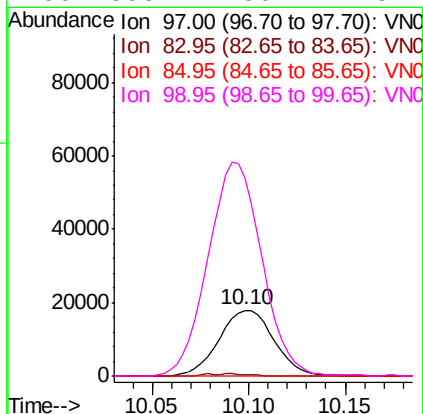
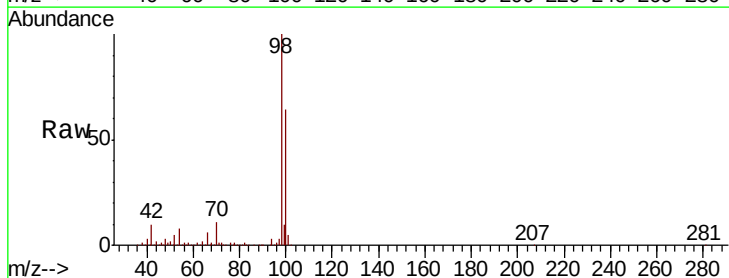
Ion Ratio Lower Upper

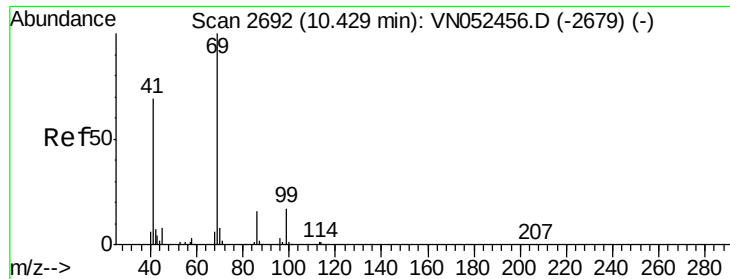
97 100

83 2.7 70.4 105.6#

85 0.0 45.0 67.6#

99 305.1 50.2 75.2#





#51

Ethyl methacrylate

Concen: 0.300 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN052538.D

Acq: 29 Nov 2018 00:20

Instrument :

MSVOA_N

ClientSampled :

14B-1DL

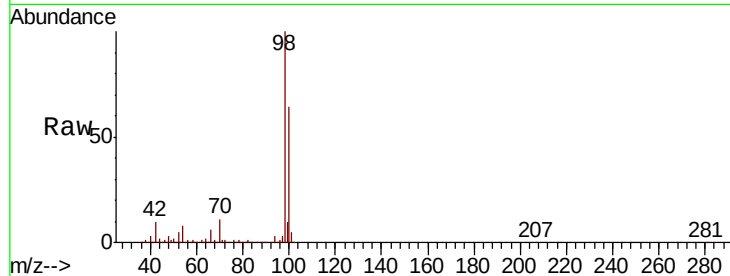
Tot Ion: 69 Resp: 3595

Ion Ratio Lower Upper

69 100

41 78.6 34.4 103.3

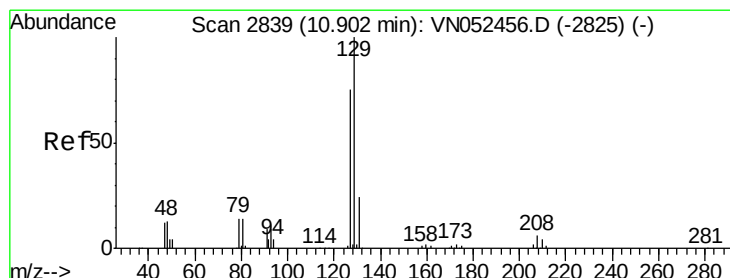
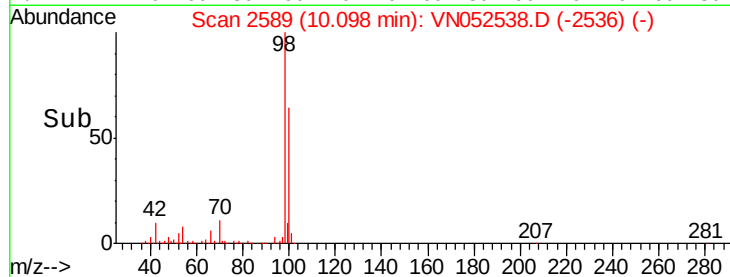
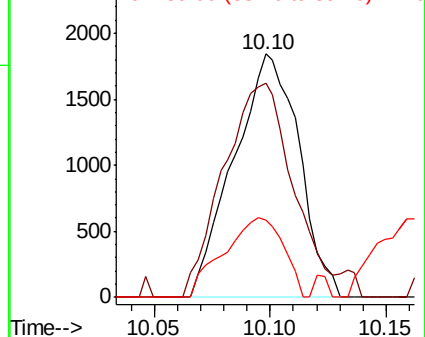
39 31.9 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN052456.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN052456.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN052456.D (-2679) (-)



#53

Dibromochloromethane

Concen: 0.415 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052538.D

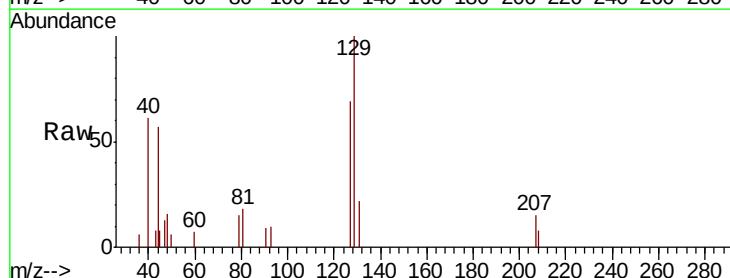
Acq: 29 Nov 2018 00:20

Tgt Ion: 129 Resp: 4363

Ion Ratio Lower Upper

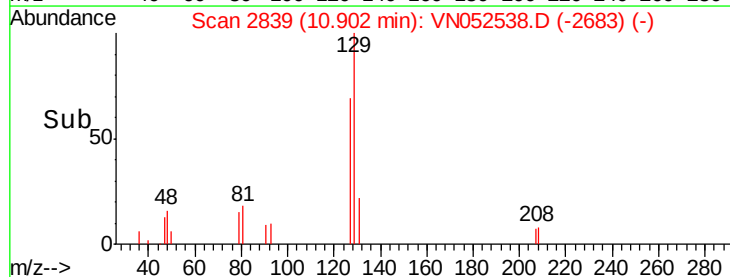
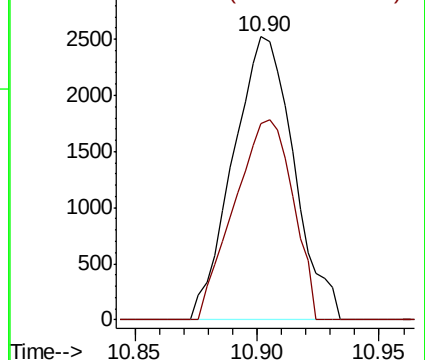
129 100

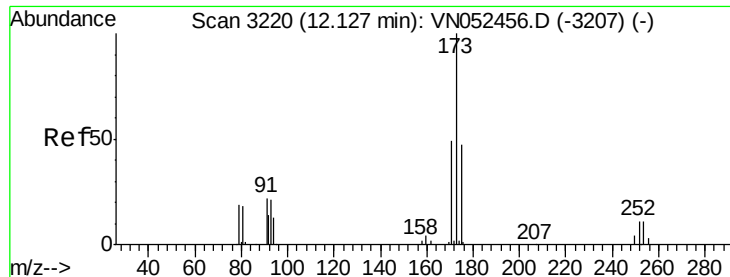
127 68.3 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): VN052456.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN052456.D (-2825) (-)

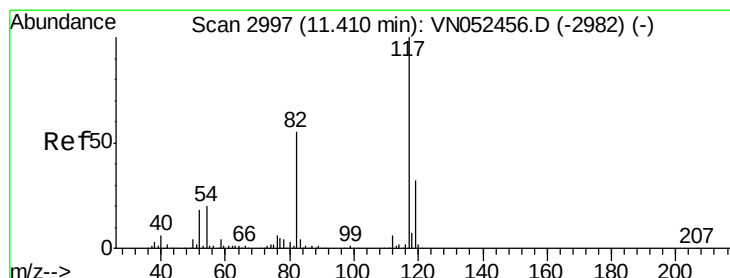
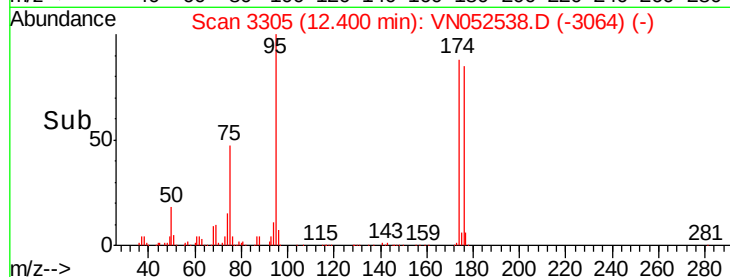
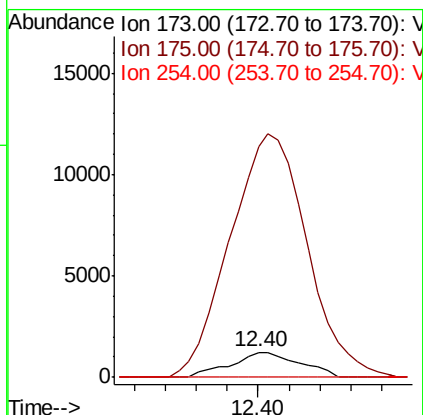
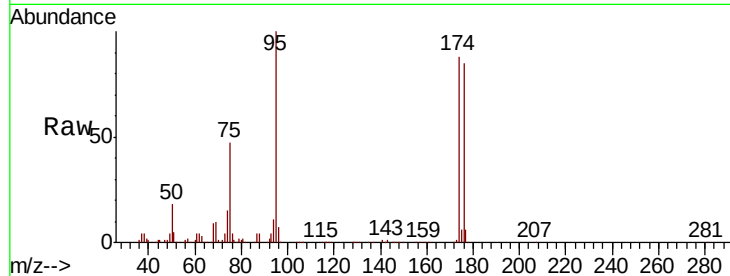




#56
Bromoform
Concen: 0.284 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052538.D
Acq: 29 Nov 2018 00:20

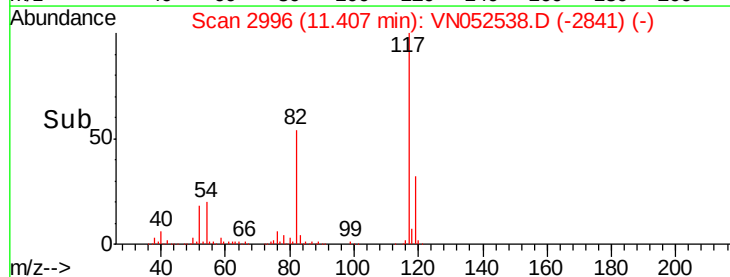
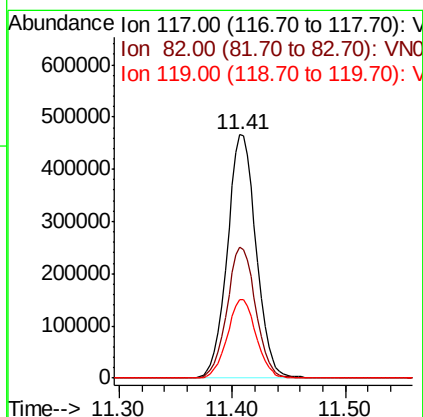
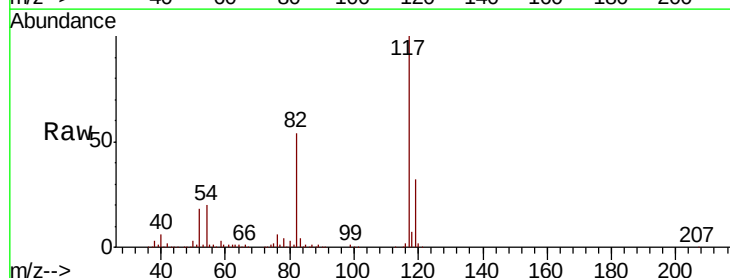
Instrument :
MSVOA_N
ClientSampleId :
14B-1DL

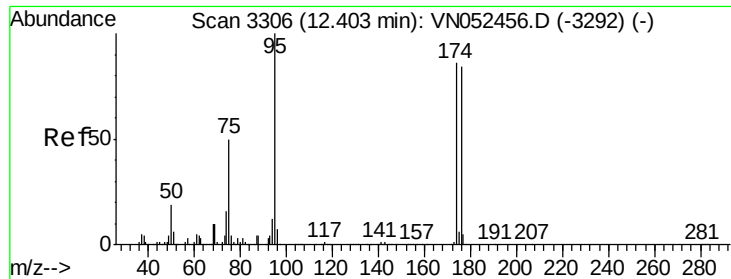
Tot Ion:173 Resp: 1949
Ion Ratio Lower Upper
173 100
175 1063.4 38.7 58.1#
254 0.0 8.4 12.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052538.D
Acq: 29 Nov 2018 00:20

Tgt Ion:117 Resp: 824268
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 32.5 25.4 38.2

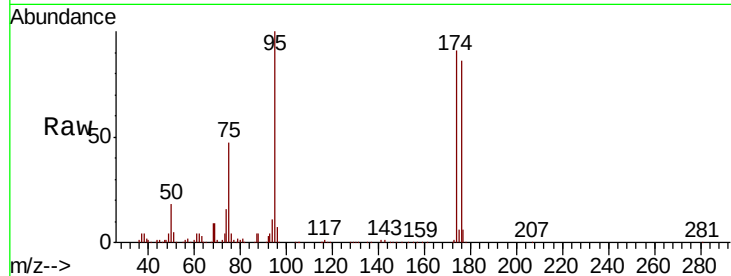




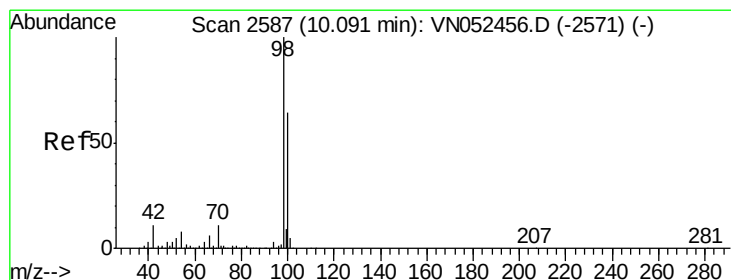
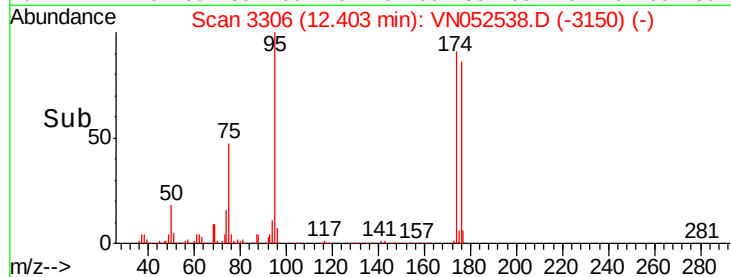
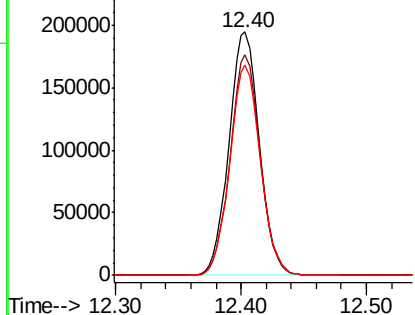
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052538.D
Acq: 29 Nov 2018 00:20

Instrument :
MSVOA_N
ClientSampled :
14B-1DL

Tot Ion: 95 Resp: 327193
Ion Ratio Lower Upper
95 100
174 89.7 67.9 101.9
176 86.4 66.4 99.6

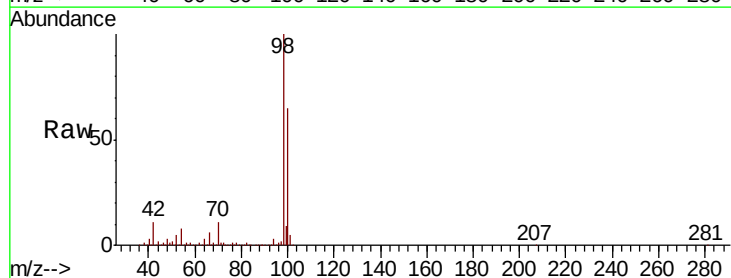


Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

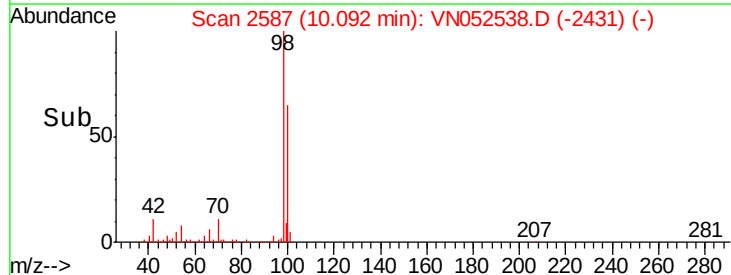
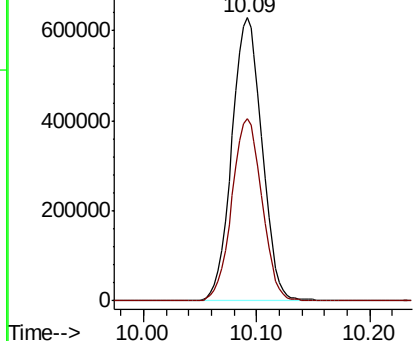


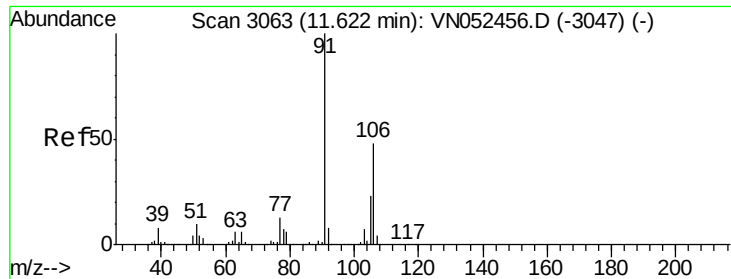
#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052538.D
Acq: 29 Nov 2018 00:20

Tgt Ion: 98 Resp: 1168237
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): V

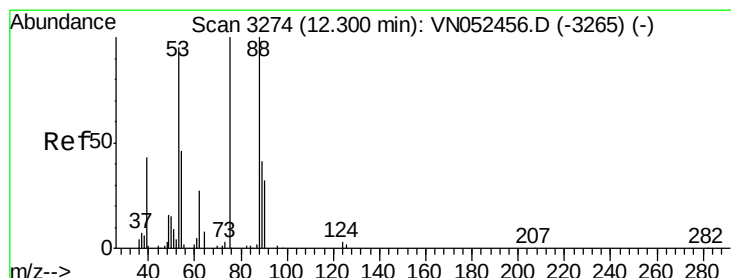
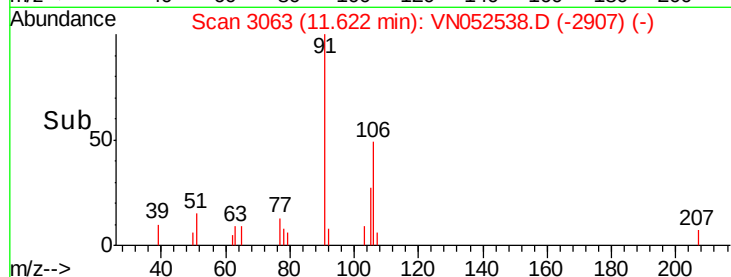
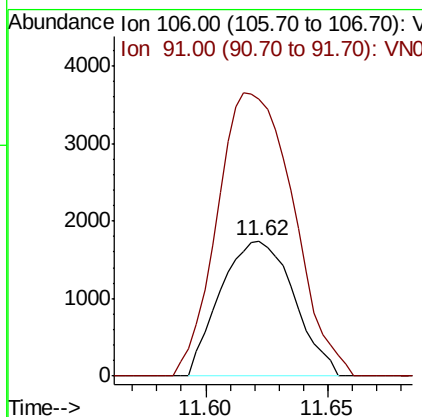
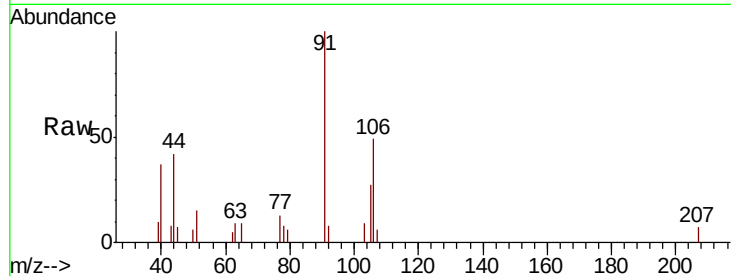




#67
m/p-Xylenes
Concen: 0.200 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052538.D
Acq: 29 Nov 2018 00:20

Instrument :
MSVOA_N
ClientSampleId :
14B-1DL

Tot Ion:106 Resp: 3650
Ion Ratio Lower Upper
106 100
91 216.5 163.9 245.9



#77
t-1,4-Dichloro-2-butene
Concen: 55.881 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052538.D
Acq: 29 Nov 2018 00:20

Tgt Ion: 75 Resp: 155316
Ion Ratio Lower Upper
75 100
53 0.0 48.5 145.6#
89 0.0 21.7 65.1#

