

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050359.D
 Acq On : 4 Aug 2018 12:03
 Operator : MD\SY
 Sample : J4356-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Quant Time: Aug 06 01:34:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	632675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1018129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	844736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	287824	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	442484	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
35) Dibromofluoromethane	7.59	113	393329	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	10.09	98	1396241	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
62) 4-Bromofluorobenzene	12.40	95	365506	36.32	ug/l	0.00
Spiked Amount			Recovery	=	72.64%	

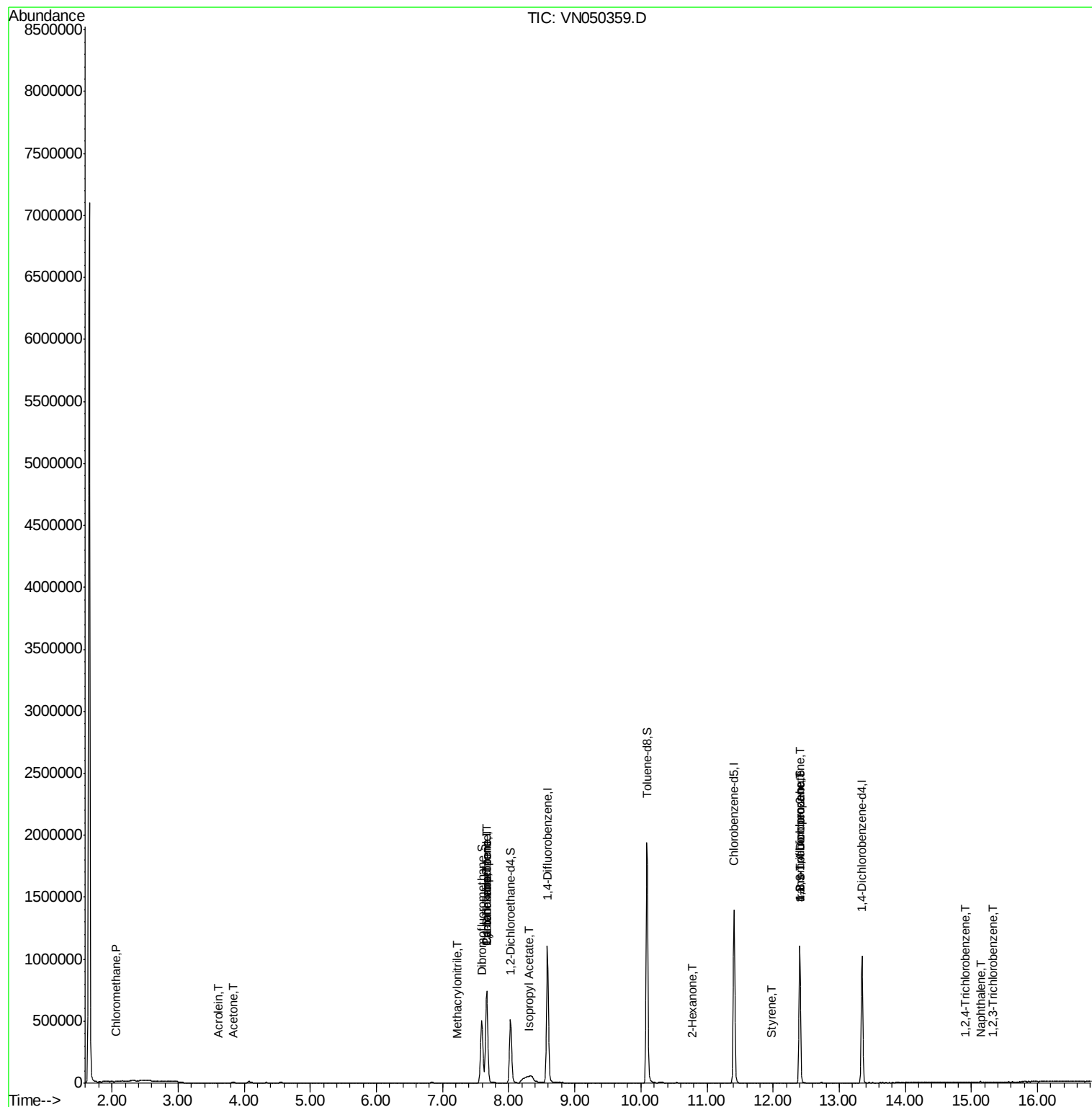
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3638	0.37	ug/l	94
5) Bromomethane	2.57	94	4838	Below	Cal	99
13) Acrolein	3.61	56	781	1.50	ug/l #	75
16) Acetone	3.82	43	11101	1.01	ug/l	95
18) Methyl Acetate	4.34	43	5447	Below	Cal #	70
20) Methylene Chloride	4.55	84	2818	Below	Cal	91
31) Cyclohexane	7.67	56	12182	0.93	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44818	3.91	ug/l #	48
38) Carbon Tetrachloride	7.67	117	56995	4.68	ug/l #	16
41) Methacrylonitrile	7.22	41	63	2.76	ug/l #	10
43) Isopropyl Acetate	8.31	43	109469	6.27	ug/l #	61
59) 2-Hexanone	10.77	43	112	5.19	ug/l #	38
70) Styrene	11.96	104	195	0.93	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	12.40	83	222	Below	Cal #	1
76) 1,2,3-Trichloropropane	12.40	75	176633	33.02	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	176633	104.74	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	659	3.20	ug/l #	56
95) Naphthalene	15.14	128	1909	4.55	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.31	180	389	2.27	ug/l	69

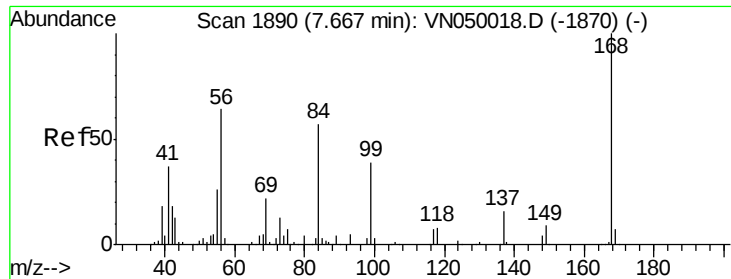
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050359.D

Acq: 4 Aug 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

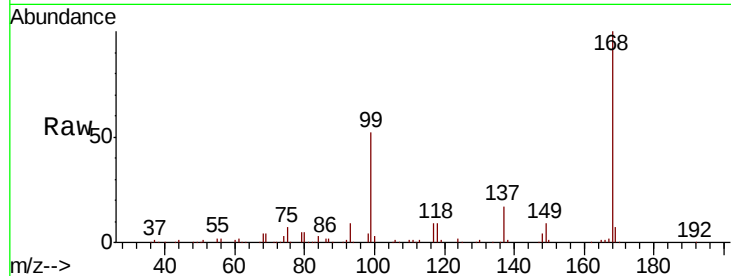
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Tot Ion:168 Resp: 632675

Ion Ratio Lower Upper

168 100

99 51.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

250000

200000

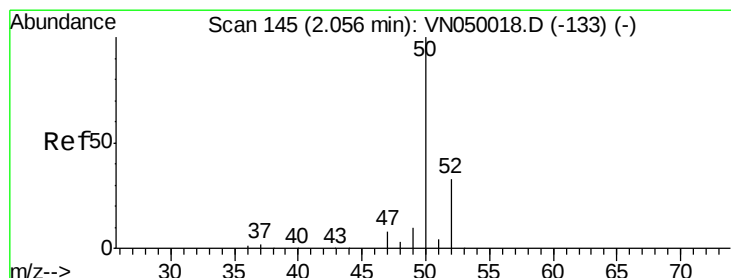
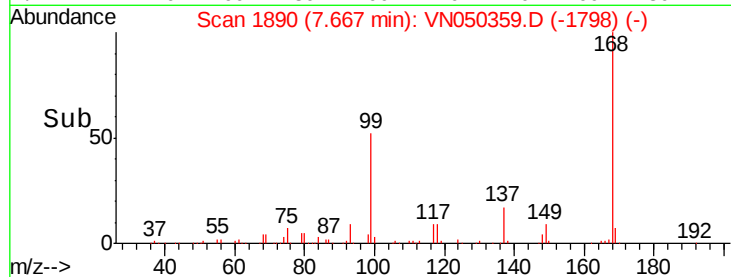
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.37 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050359.D

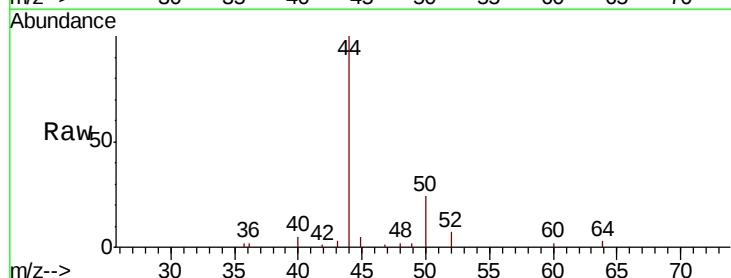
Acq: 4 Aug 2018 12:03

Tgt Ion: 50 Resp: 3638

Ion Ratio Lower Upper

50 100

52 29.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050018.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN050018.D (-133) (-)

2.06

3000

2500

2000

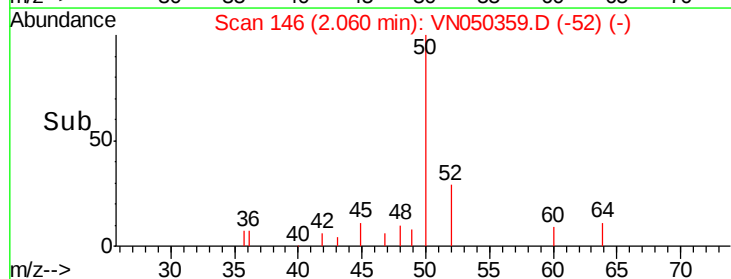
1500

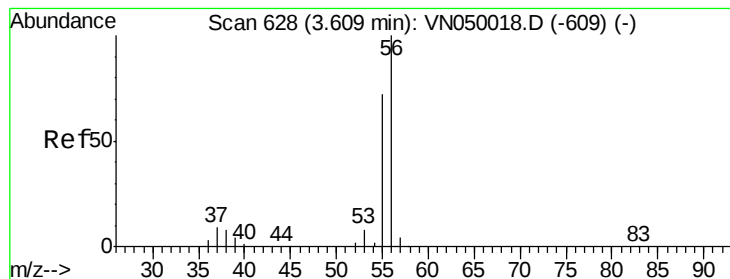
1000

500

0

Time-->





#13

Acrolein

Concen: 1.50 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050359.D

Acq: 4 Aug 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

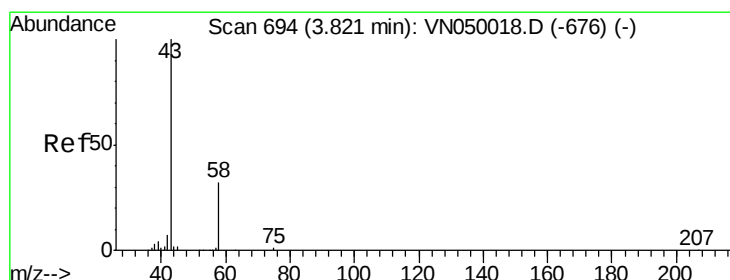
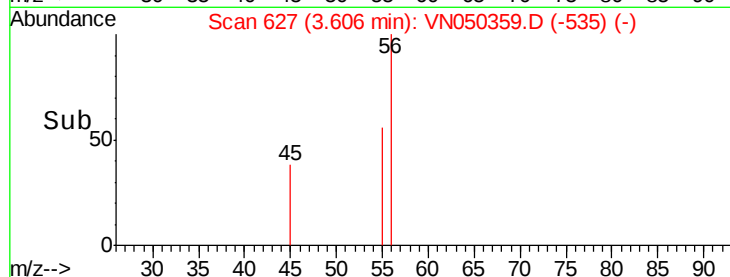
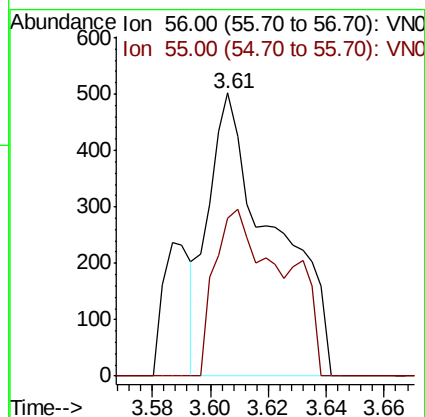
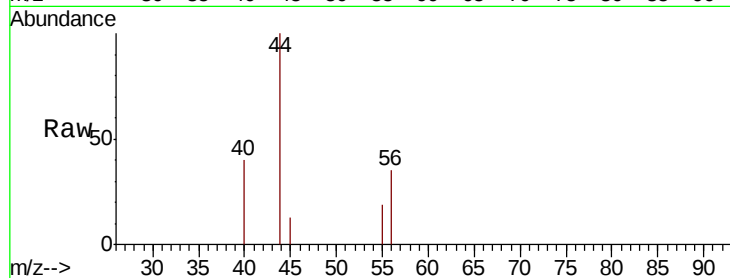
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Tot Ion: 56 Resp: 781

Ion Ratio Lower Upper

56 100

55 49.3 55.8 83.6#



#16

Acetone

Concen: 1.01 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050359.D

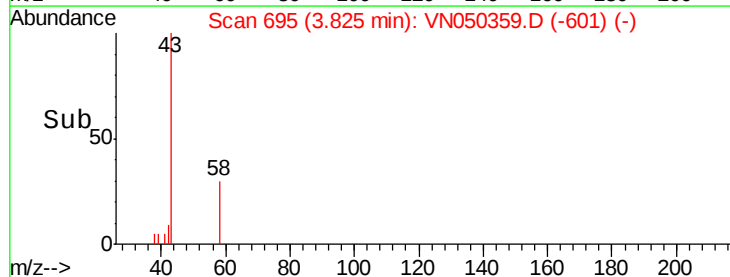
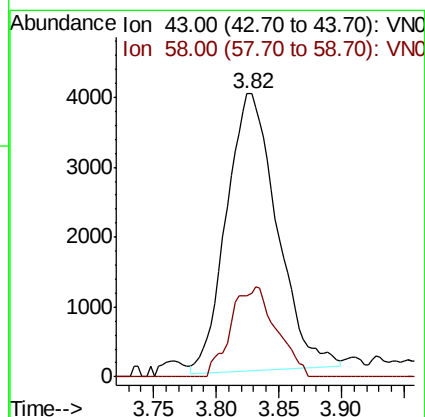
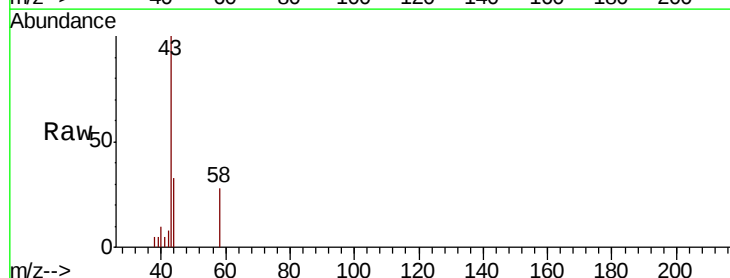
Acq: 4 Aug 2018 12:03

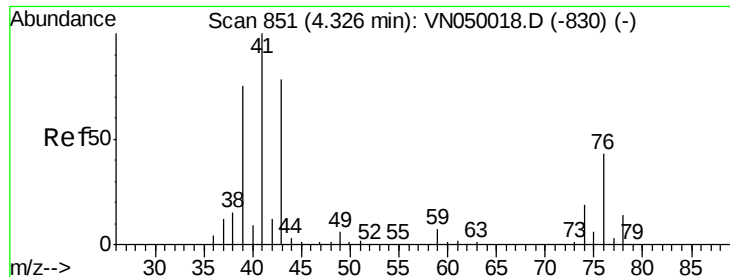
Tgt Ion: 43 Resp: 11101

Ion Ratio Lower Upper

43 100

58 29.6 25.8 38.8

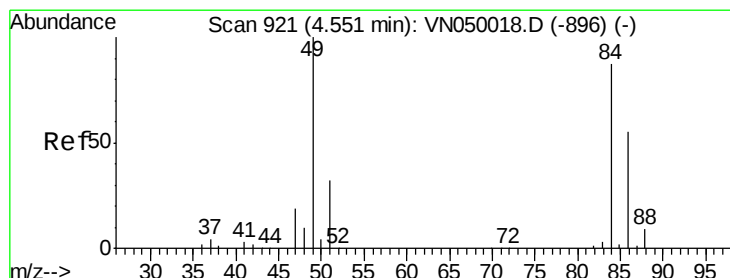
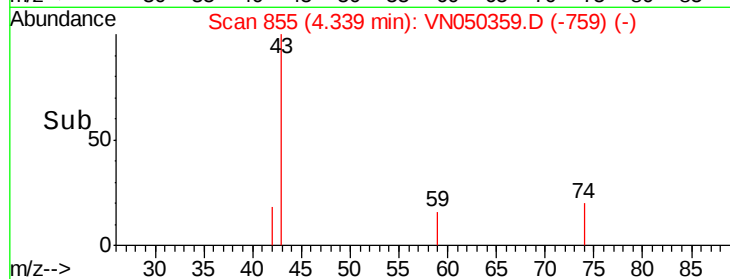
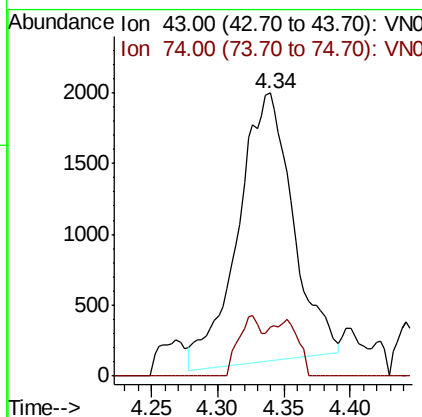
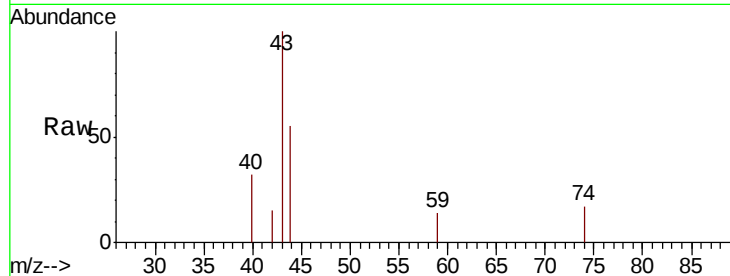




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050359.D
Acq: 4 Aug 2018 12:03

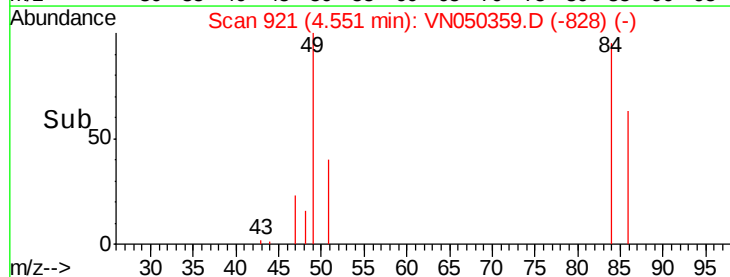
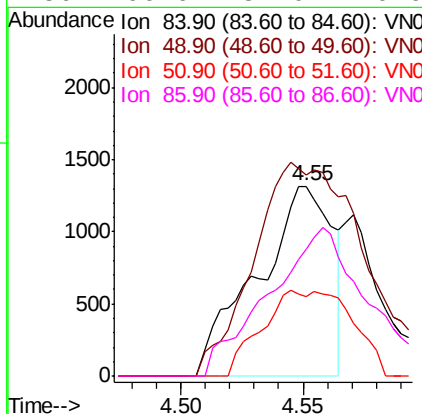
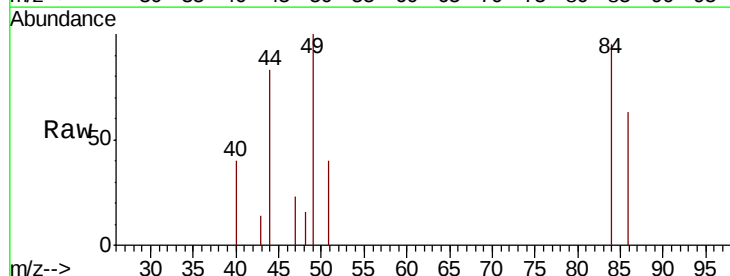
Instrument :
MSVOA_N
ClientSampleId :
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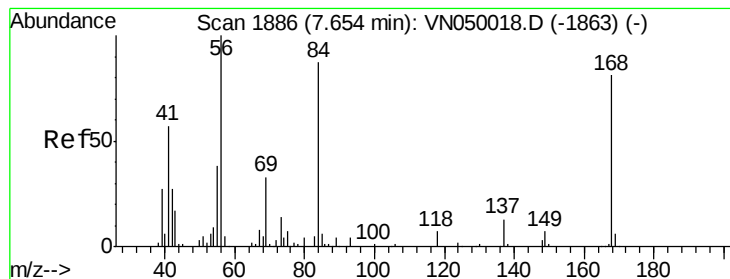
Tot Ion: 43 Resp: 5447
Ion Ratio Lower Upper
43 100
74 9.0 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050359.D
Acq: 4 Aug 2018 12:03

Tgt Ion: 84 Resp: 2818
Ion Ratio Lower Upper
84 100
49 105.7 94.8 142.2
51 42.1 28.3 42.5
86 66.6 51.0 76.6





#31

Cyclohexane

Concen: 0.93 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050359.D

Acq: 4 Aug 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

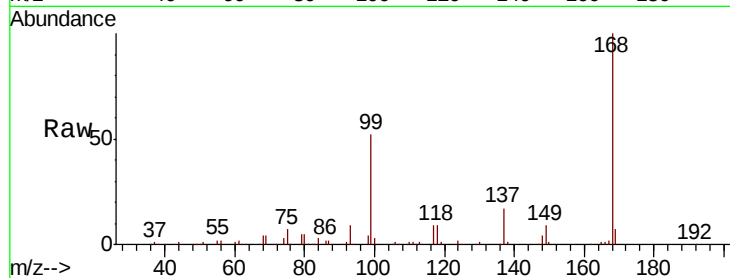
Tot Ion: 56 Resp: 12182

Ion Ratio Lower Upper

56 100

69 189.1 26.2 39.4#

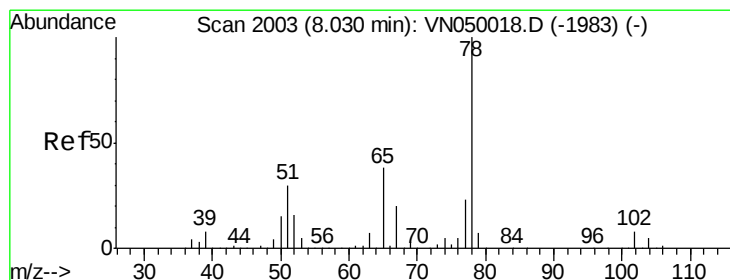
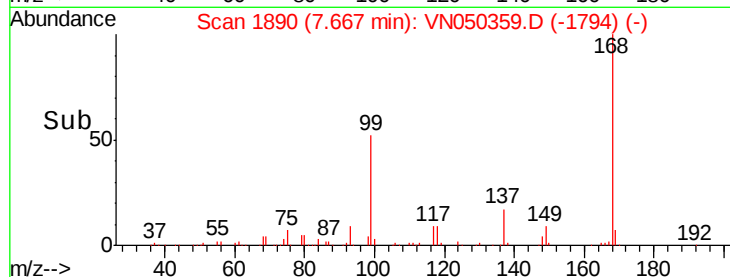
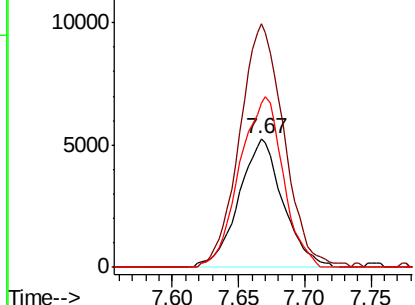
84 127.3 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.13 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050359.D

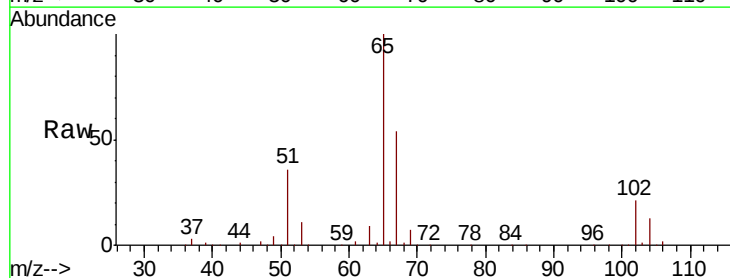
Acq: 4 Aug 2018 12:03

Tgt Ion: 65 Resp: 442484

Ion Ratio Lower Upper

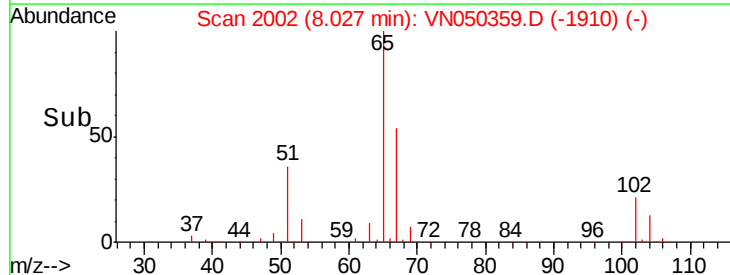
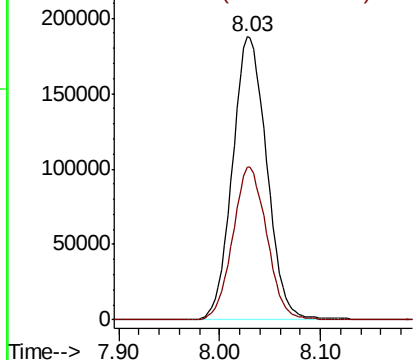
65 100

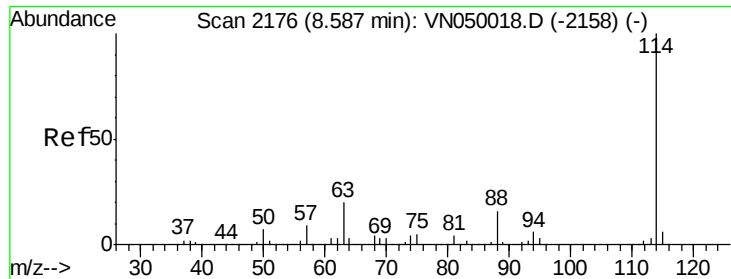
67 53.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

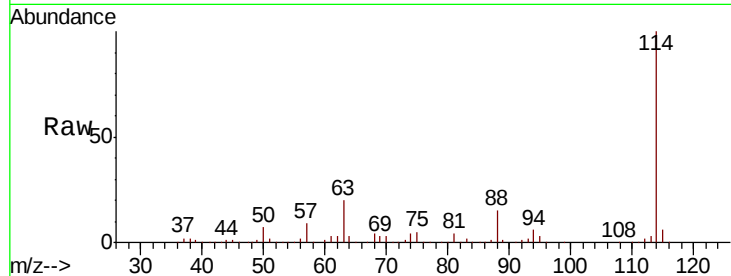




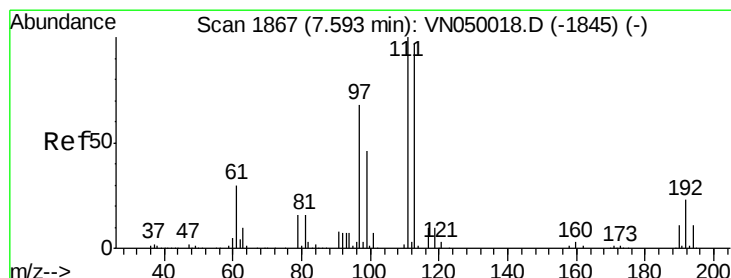
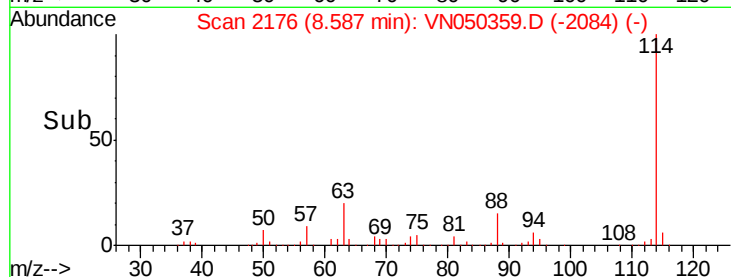
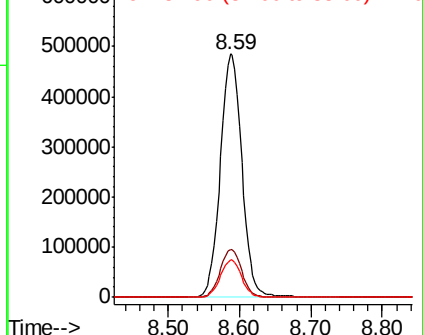
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050359.D
 Acq: 4 Aug 2018 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Tot Ion:114 Resp: 1018129
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.4 0.0 31.2

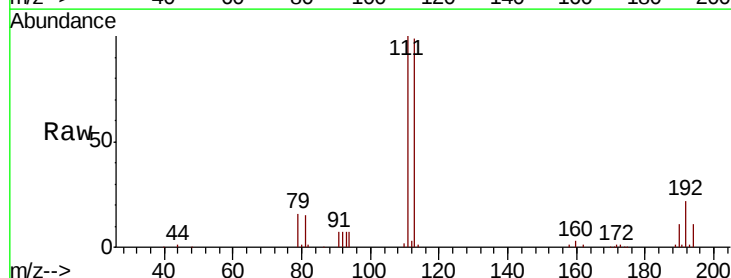


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

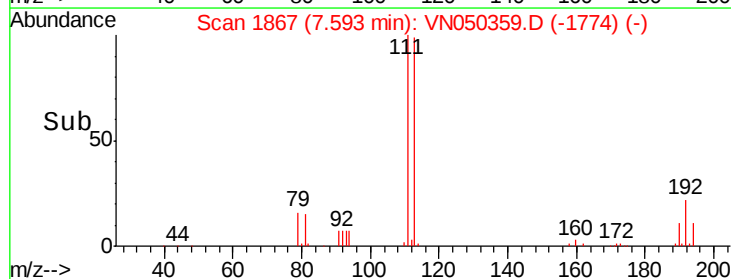
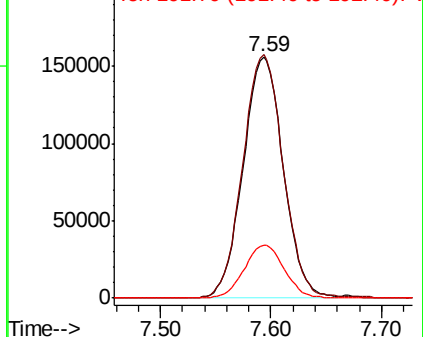


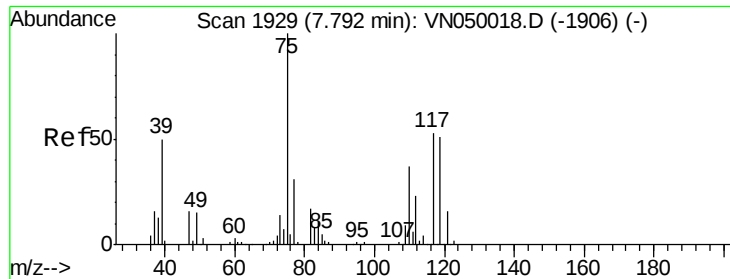
#35
 Dibromofluoromethane
 Concen: 47.32 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050359.D
 Acq: 4 Aug 2018 12:03

Tgt Ion:113 Resp: 393329
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.7 121.1
 192 22.0 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

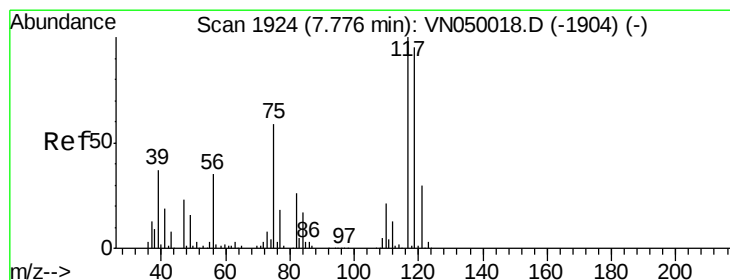
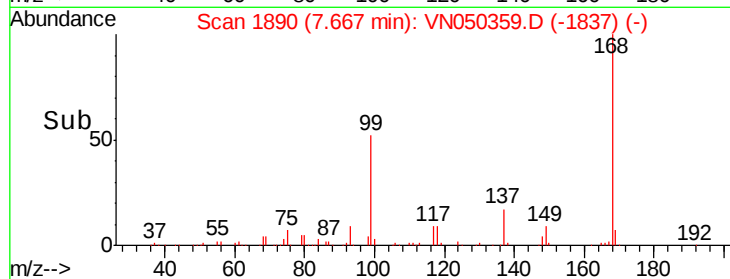
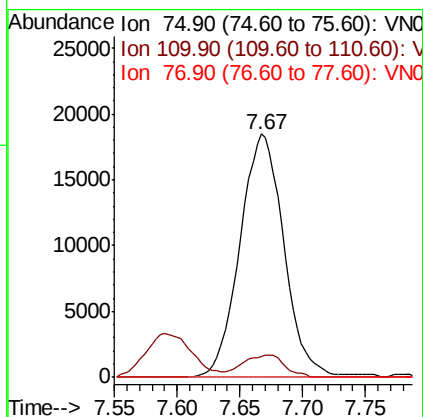
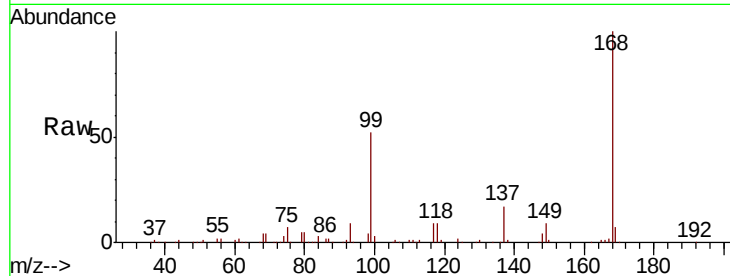




#36
 1,1-Dichloropropene
 Concen: 3.91 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050359.D
 Acq: 4 Aug 2018 12:03

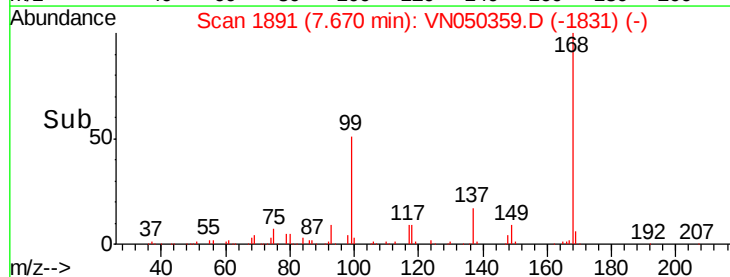
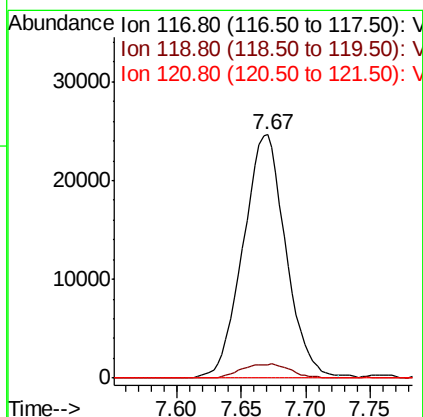
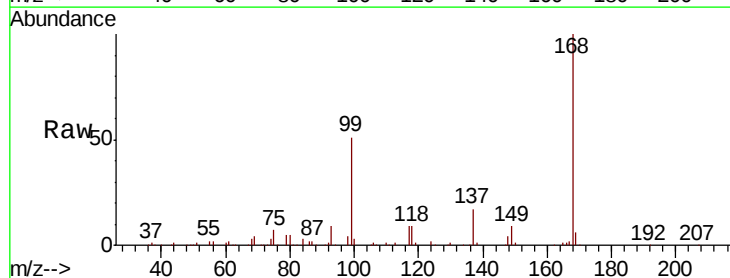
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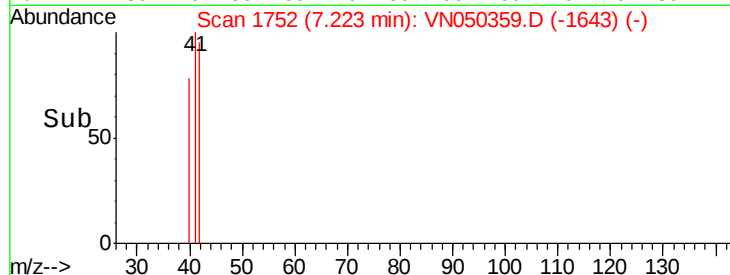
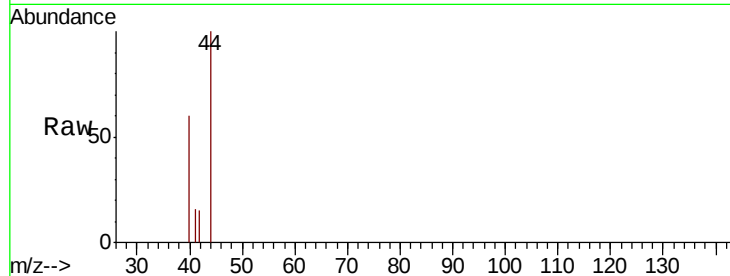
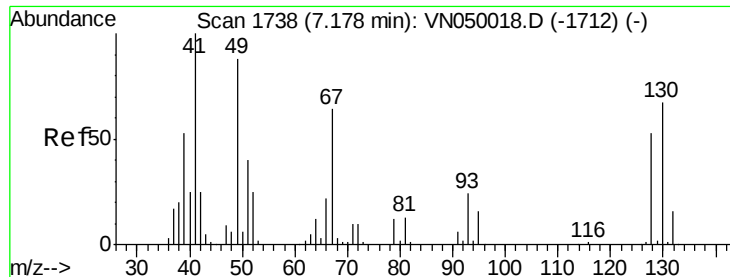
Tot Ion	75	Resp	44818
Ion Ratio	100	Lower	Upper
75	100		
110	8.7	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.68 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050359.D
 Acq: 4 Aug 2018 12:03

Tgt Ion	117	Resp	56995
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.5	77.4	116.0#
121	0.0	23.9	35.9#

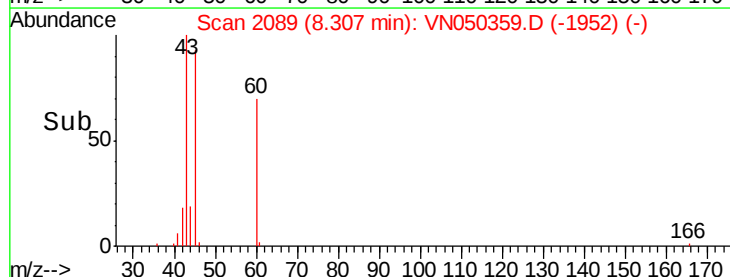
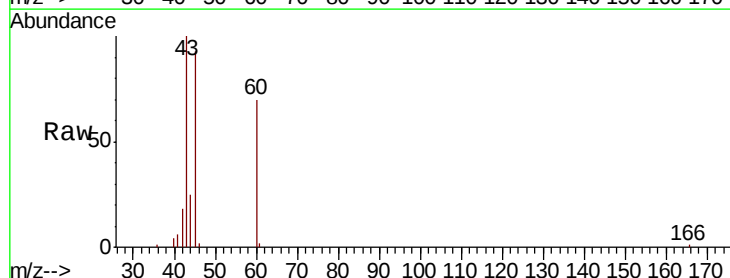
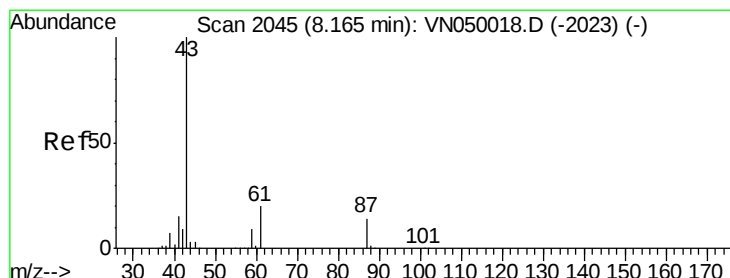
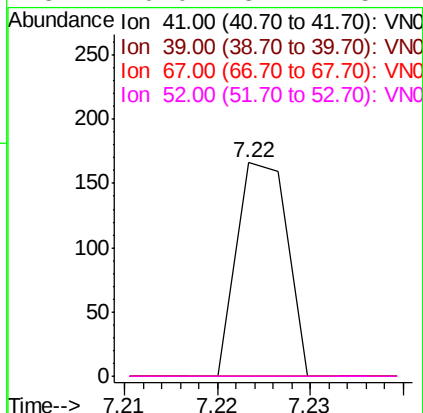




#41
Methacrylonitrile
Concen: 2.76 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.05 min
Lab File: VN050359.D
Acq: 4 Aug 2018 12:03

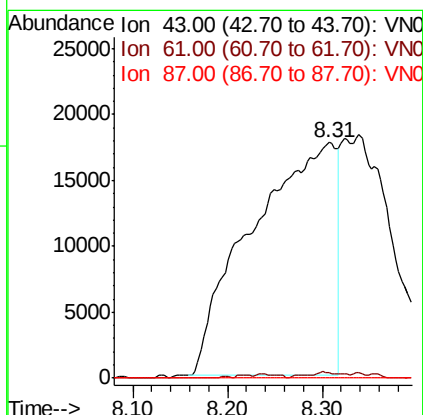
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MSVOA_N
ClientSampleId :
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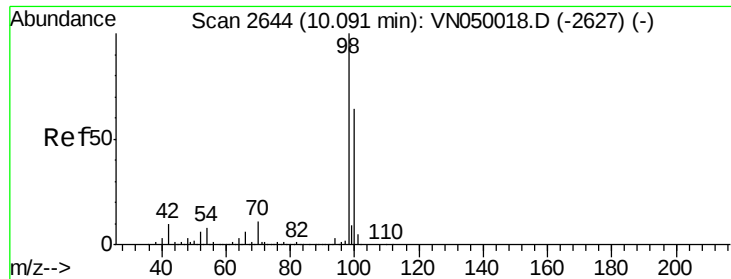
Tot Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 6.27 ug/l
RT: 8.31 min Scan# 2089
Delta R.T. 0.14 min
Lab File: VN050359.D
Acq: 4 Aug 2018 12:03

Tgt Ion: 43 Resp: 109469
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.0 10.3 15.5#





#50

Toluene-d8

Concen: 45.69 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050359.D

Acq: 4 Aug 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

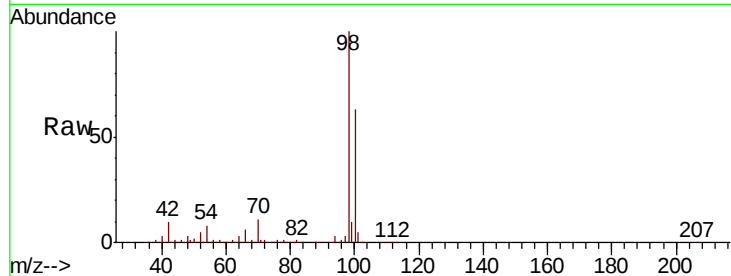
TRIPBLANK

Tot Ion: 98 Resp: 1396241

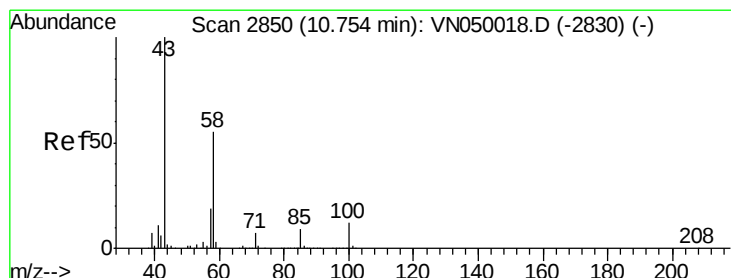
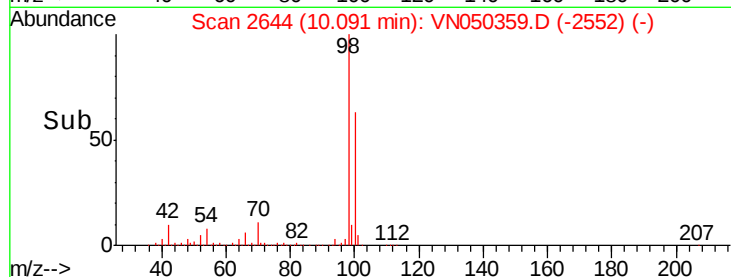
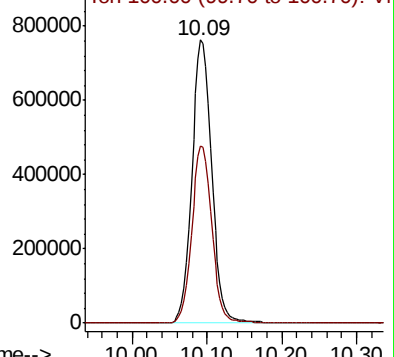
Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)



#59

2-Hexanone

Concen: 5.19 ug/l

RT: 10.77 min Scan# 2856

Delta R.T. 0.02 min

Lab File: VN050359.D

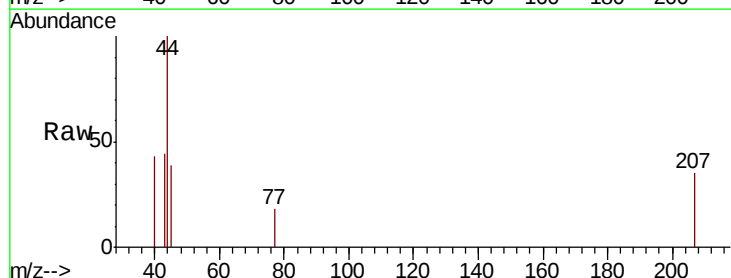
Acq: 4 Aug 2018 12:03

Tgt Ion: 43 Resp: 112

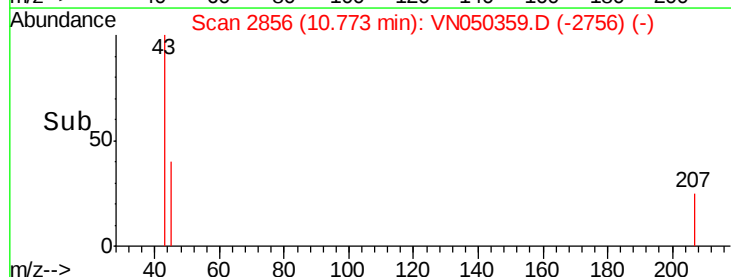
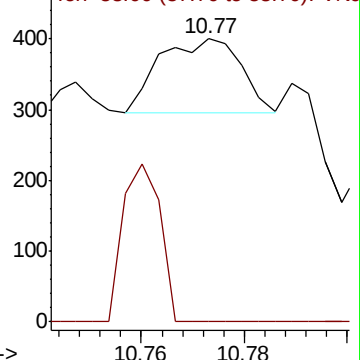
Ion Ratio Lower Upper

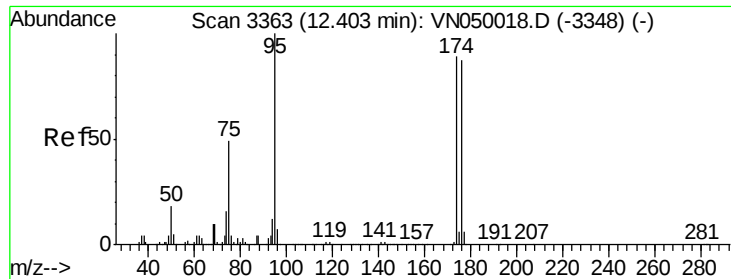
43 100

58 100.0 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2830) (-)





#62

4-Bromofluorobenzene

Concen: 36.32 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050359.D

Acq: 4 Aug 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

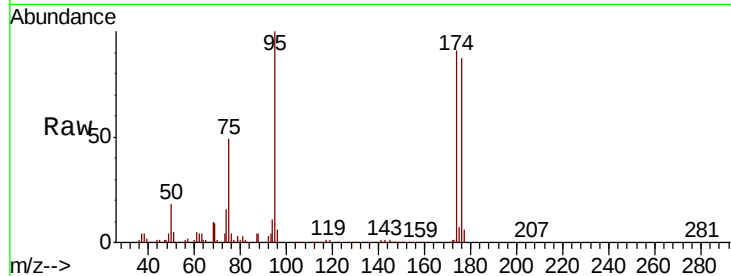
Tot Ion: 95 Resp: 365506

Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.2

176 86.8 0.0 173.4

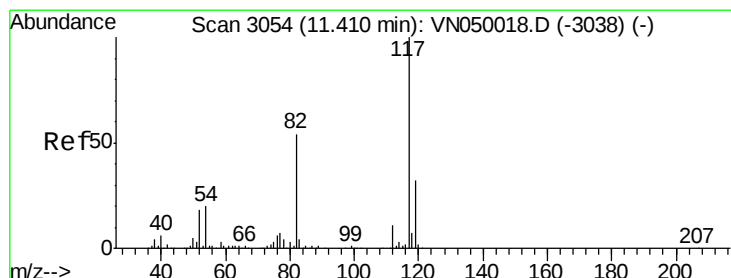
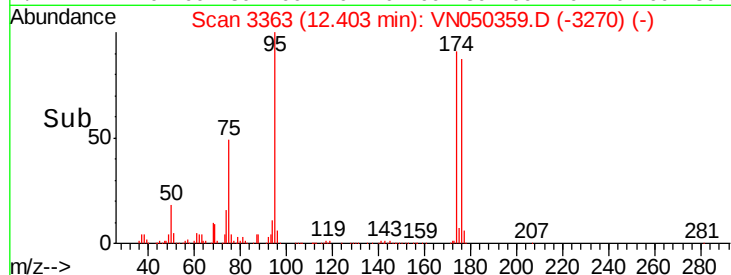


Abundance Ion 94.90 (94.60 to 95.60): VN050018.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050018.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050018.D (-3348) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050359.D

Acq: 4 Aug 2018 12:03

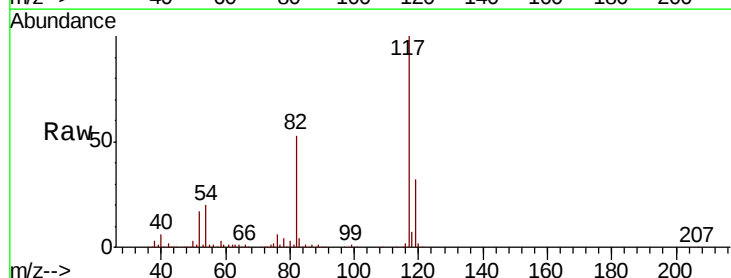
Tgt Ion: 117 Resp: 844736

Ion Ratio Lower Upper

117 100

82 53.4 43.7 65.5

119 31.8 26.1 39.1

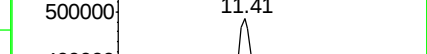
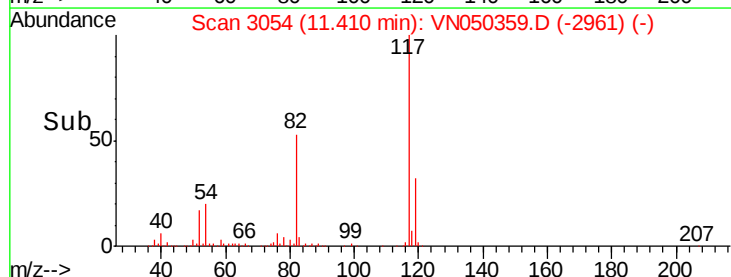


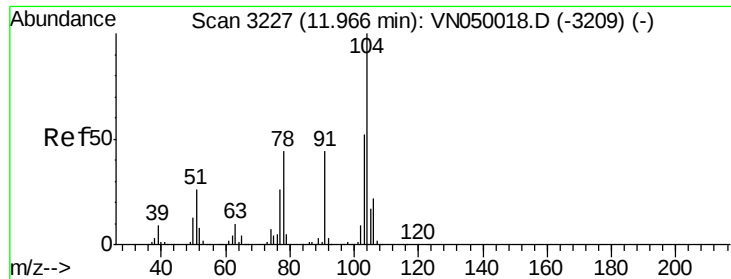
Abundance Ion 116.90 (116.60 to 117.60): VN050018.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050018.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050018.D (-3038) (-)

Time-->

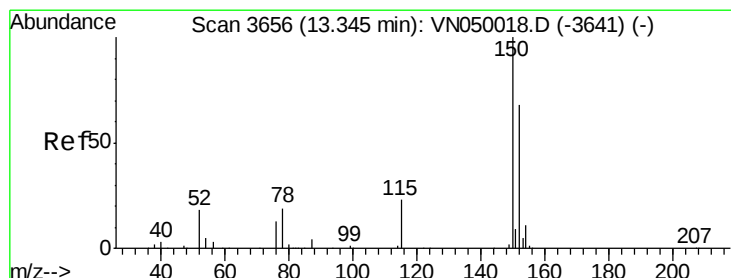
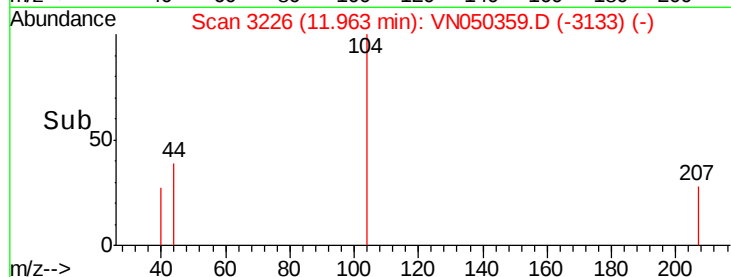
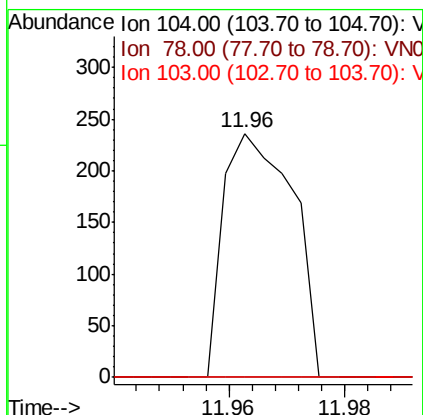
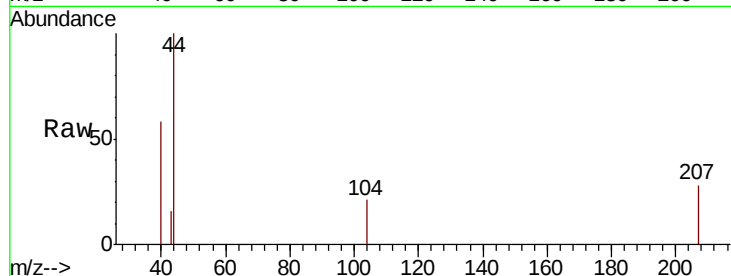




#70
Stvrene
Concen: 0.93 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050359.D
Acq: 4 Aug 2018 12:03

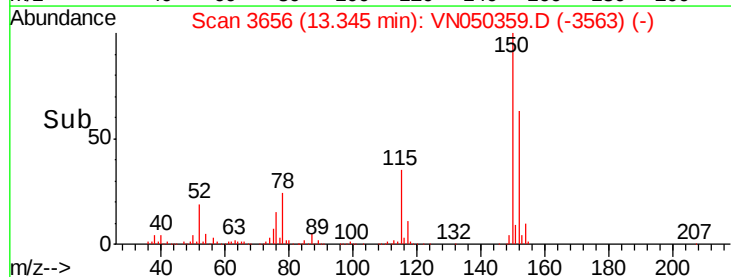
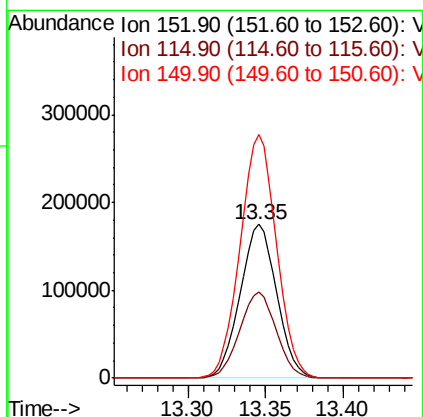
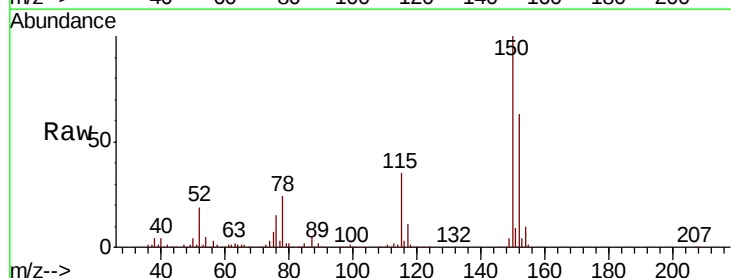
Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

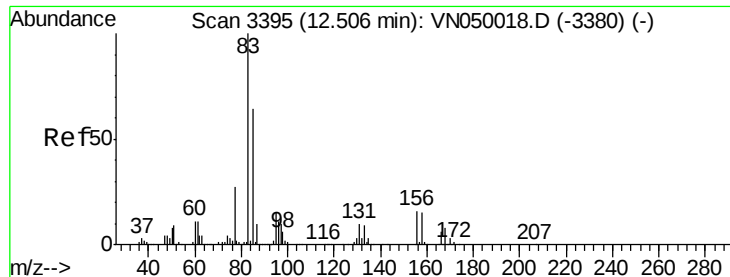
Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.3	58.9#
103	0.0	45.0	67.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050359.D
Acq: 4 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.8	83.3
150	157.1	0.0	348.6





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3363

Delta R.T. -0.10 min

Lab File: VN050359.D

Acq: 4 Aug 2018 12:03

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

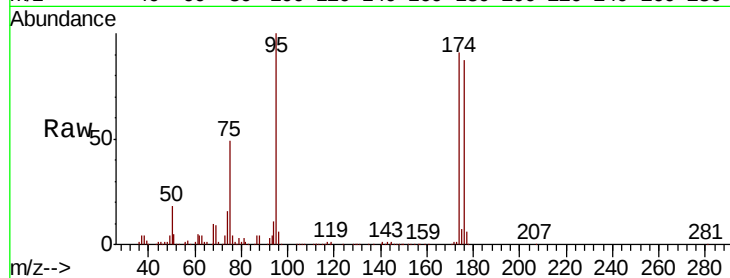
Tot Ion: 83 Resp: 222

Ion Ratio Lower Upper

83 100

131 209.0 5.1 15.3#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

500

400

300

200

100

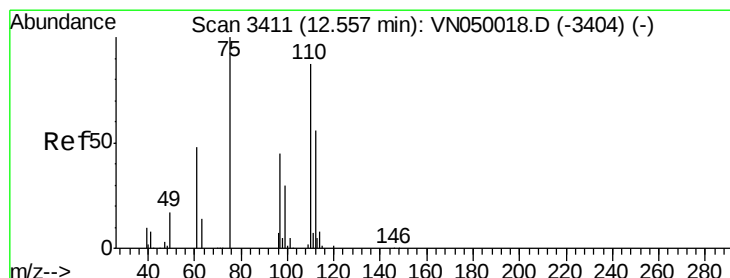
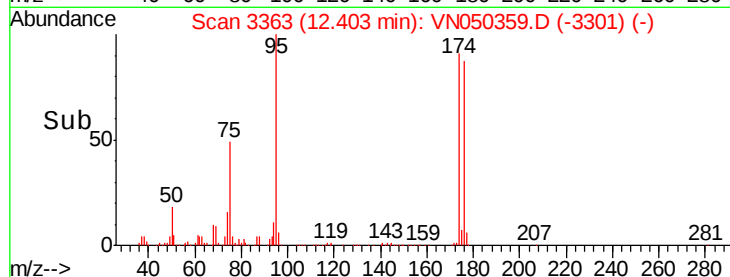
0

12.38

12.40

12.42

Time-->



#76

1,2,3-Trichloropropane

Concen: 33.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050359.D

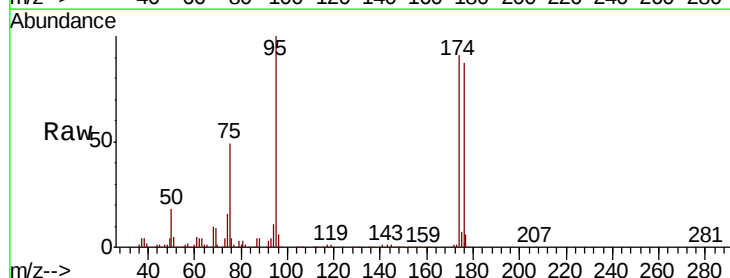
Acq: 4 Aug 2018 12:03

Tgt Ion: 75 Resp: 176633

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

40000

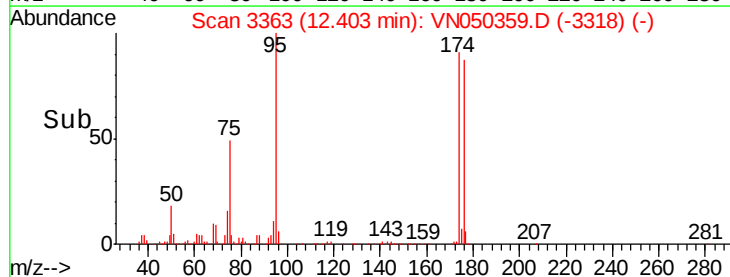
20000

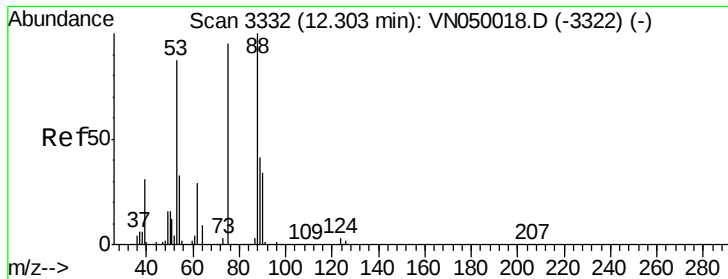
0

12.40

12.50

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 104.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050359.D

Acq: 4 Aug 2018 12:03

Instrument :

MSVOA_N

ClientSampled :

TRIPBLANK

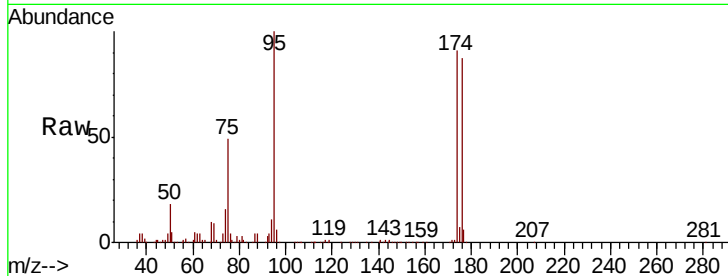
Tot Ion: 75 Resp: 176633

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

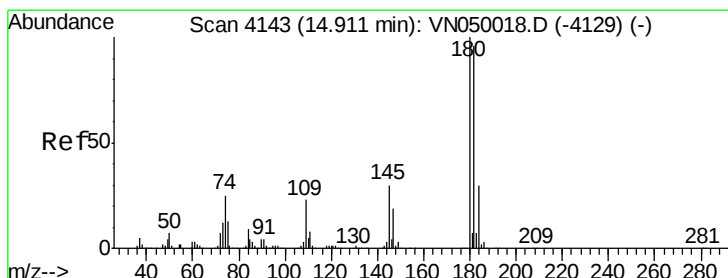
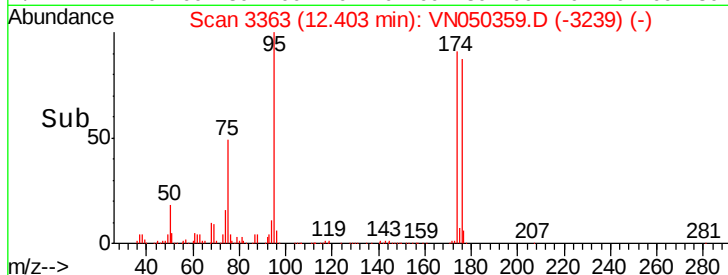
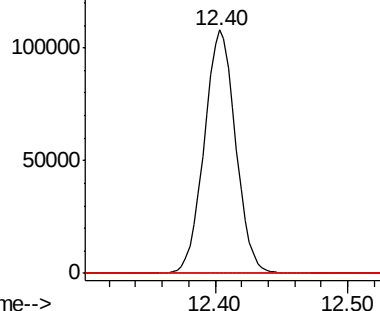
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050359.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN050359.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN050359.D (-3363) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.20 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN050359.D

Acq: 4 Aug 2018 12:03

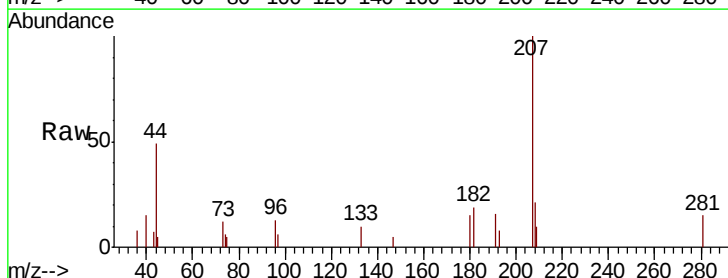
Tgt Ion: 180 Resp: 659

Ion Ratio Lower Upper

180 100

182 133.7 46.7 140.1

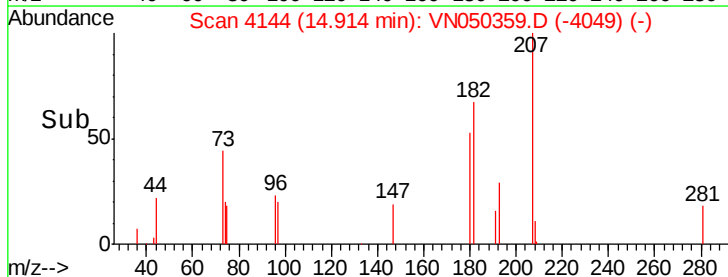
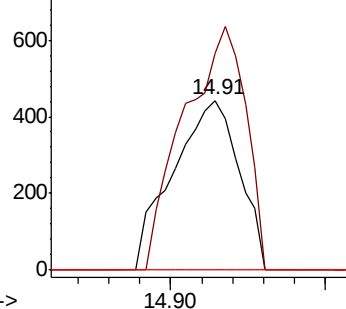
145 0.0 13.8 41.4#

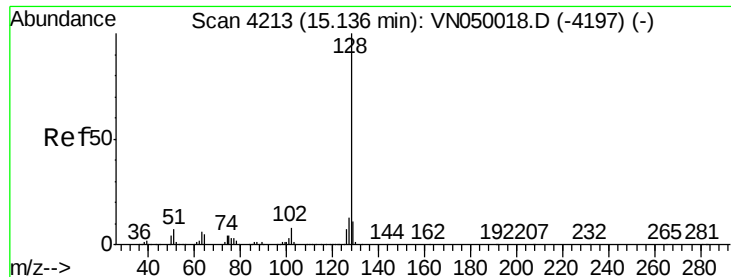


Abundance Ion 179.80 (179.50 to 180.50): VN050359.D (-4144) (-)

Ion 181.80 (181.50 to 182.50): VN050359.D (-4144) (-)

Ion 144.80 (144.50 to 145.50): VN050359.D (-4144) (-)

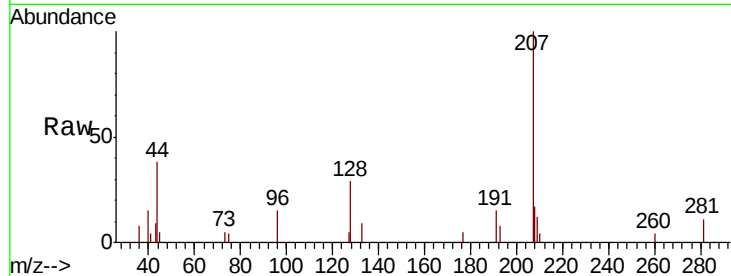




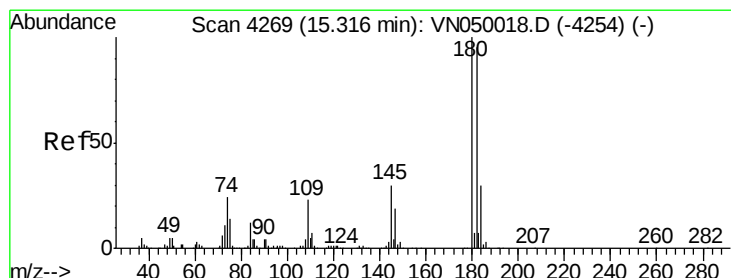
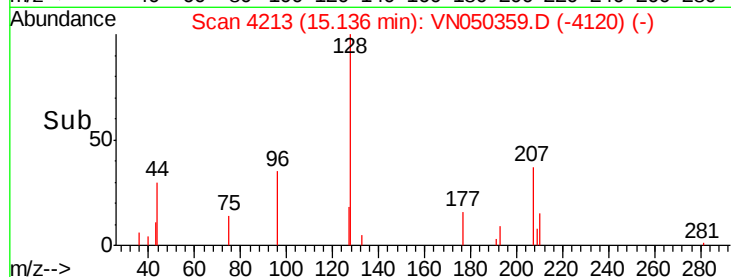
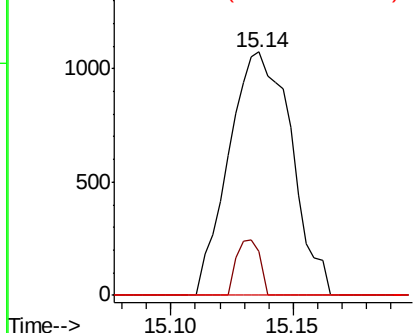
#95
Naphthalene
Concen: 4.55 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050359.D
Acq: 4 Aug 2018 12:03

Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

Tot Ion:128 Resp: 1909
Ion Ratio Lower Upper
128 100
127 8.5 10.4 15.6#
129 0.0 8.8 13.2#

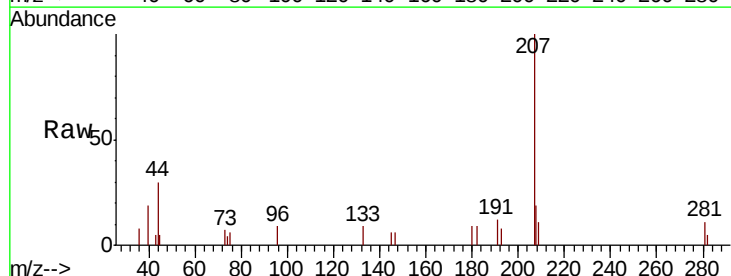


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 2.27 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. -0.01 min
Lab File: VN050359.D
Acq: 4 Aug 2018 12:03

Tgt Ion:180 Resp: 389
Ion Ratio Lower Upper
180 100
182 135.0 48.1 144.4
145 29.3 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

