

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011119\
 Data File : VN053370.D
 Acq On : 11 Jan 2019 17:07
 Operator : JC/SP
 Sample : K1127-02 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Quant Time: Jan 12 00:41:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	995831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1556797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1496082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	717686	50.00	ug/l	0.00

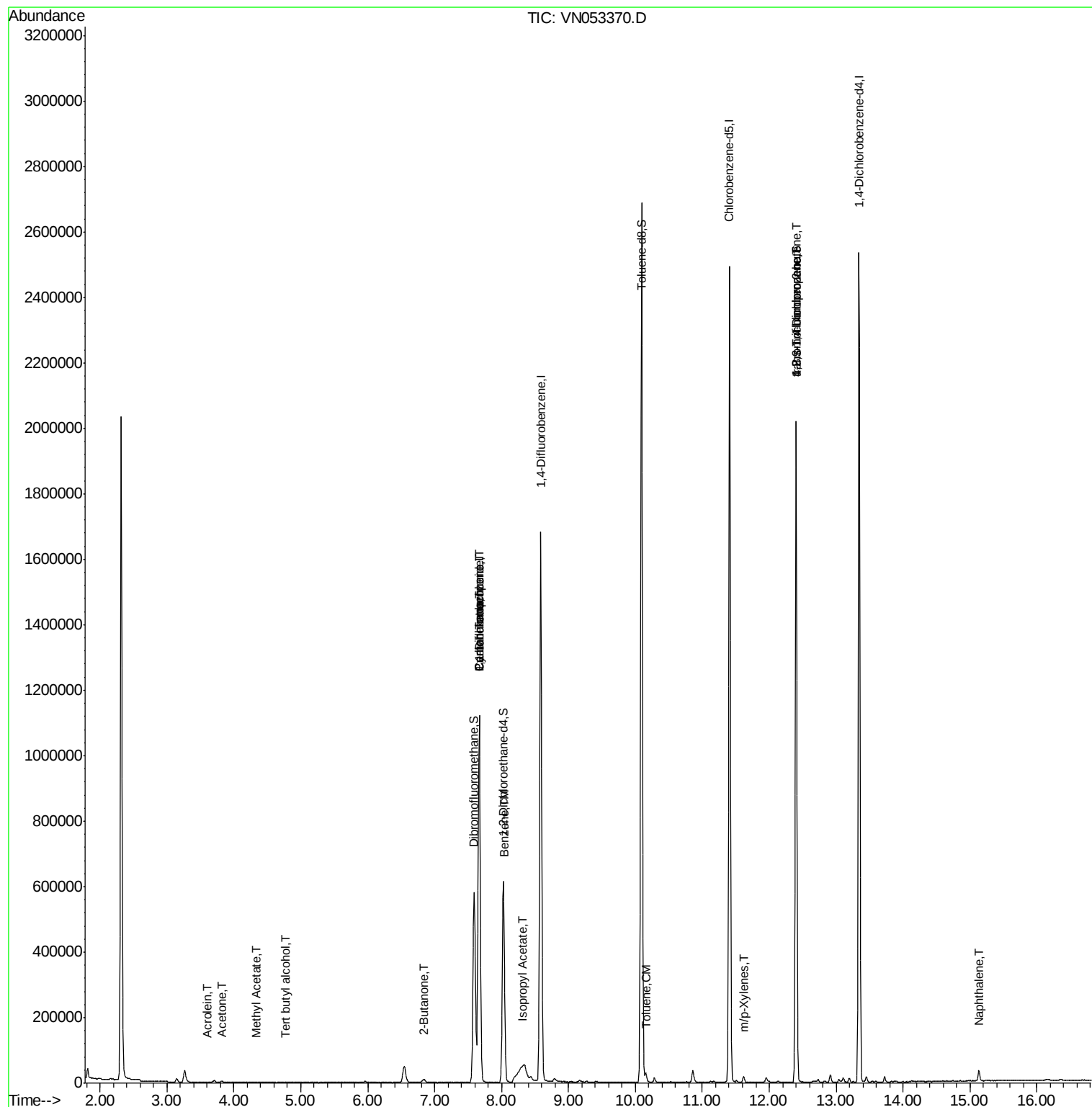
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	497562	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
35) Dibromofluoromethane	7.59	113	456023	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
50) Toluene-d8	10.09	98	1937650	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.40	95	704811	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	

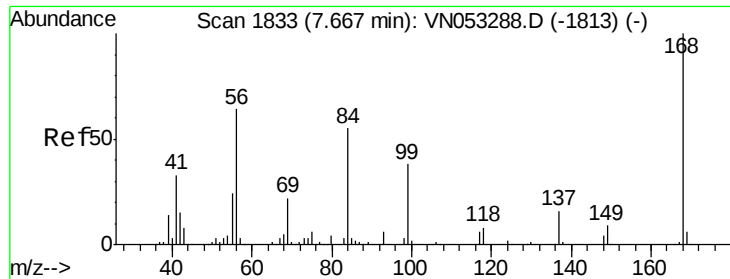
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	279	0.448	ug/l #	73
13) Acrolein	3.61	56	290	0.370	ug/l #	58
16) Acetone	3.82	43	8001	0.982	ug/l #	87
18) Methyl Acetate	4.32	43	3248	0.346	ug/l #	85
25) 2-Butanone	6.84	43	12058	2.837	ug/l	99
31) Cyclohexane	7.66	56	15642	0.693	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	65142	4.482	ug/l #	48
38) Carbon Tetrachloride	7.67	117	84855	6.326	ug/l #	16
40) Benzene	8.04	78	14703	0.331	ug/l	99
43) Isopropyl Acetate	8.30	43	86037	4.620	ug/l #	52
52) Toluene	10.16	92	10652	0.391	ug/l	93
68) m/p-Xylenes	11.62	106	5859	0.282	ug/l	91
76) 1,2,3-Trichloropropane	12.40	75	331877	31.704	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	331877	93.280	ug/l #	14
95) Naphthalene	15.13	128	27661	2.192	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053370.D

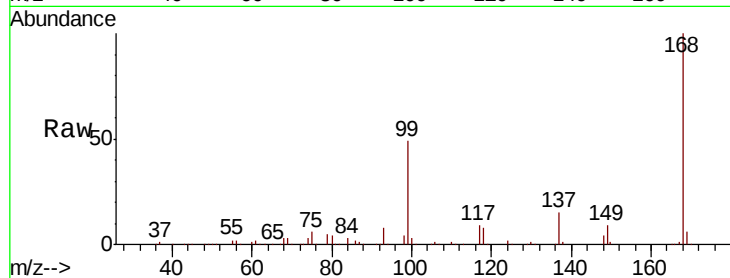
Acq: 11 Jan 2019 17:07

Tgt Ion: 168 Resp: 995831

Ion Ratio Lower Upper

168 100

99 49.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053288.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053288.D (-1813) (-)

7.67

400000

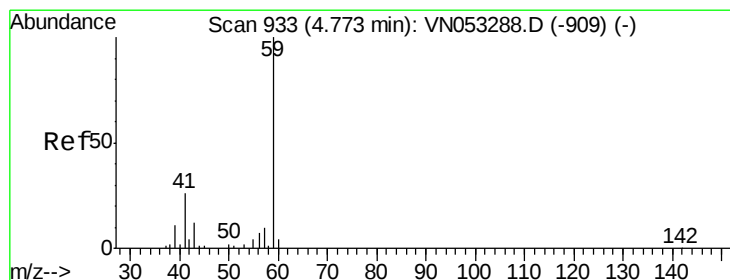
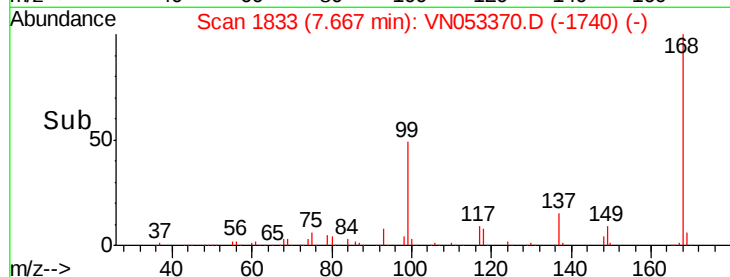
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.448 ug/l

RT: 4.77 min Scan# 932

Delta R.T. -0.00 min

Lab File: VN053370.D

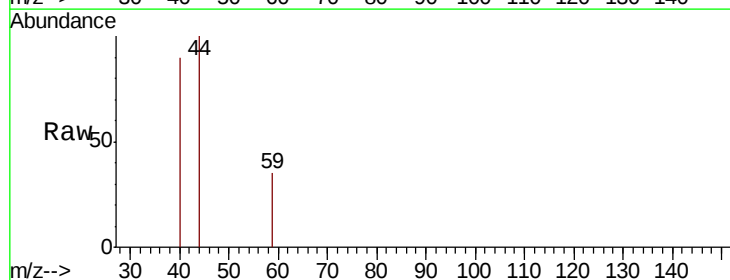
Acq: 11 Jan 2019 17:07

Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN053288.D (-909) (-)

Ion 57.00 (56.70 to 57.70): VN053288.D (-909) (-)

4.77

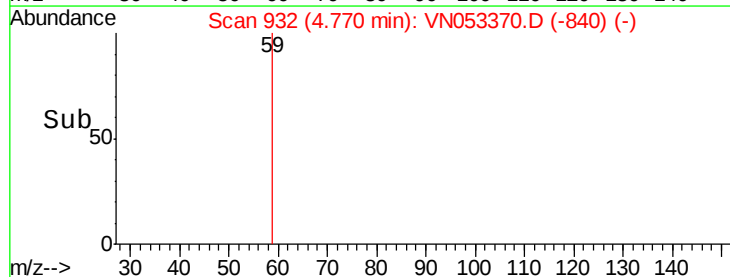
300

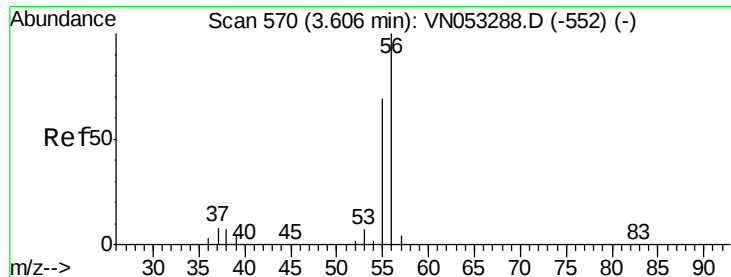
200

100

0

Time-->





#13

Acrolein

Concen: 0.370 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053370.D

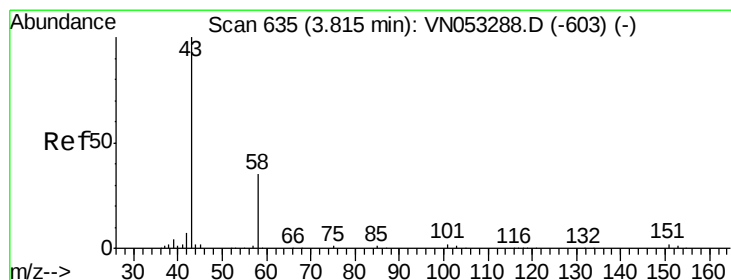
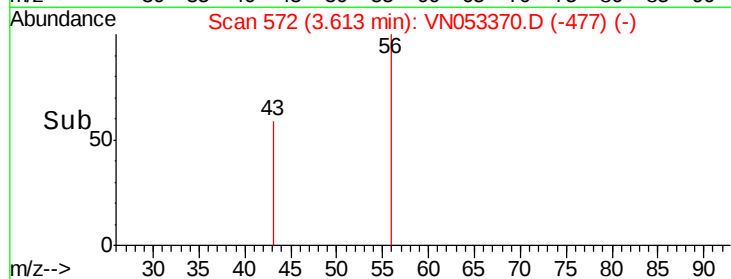
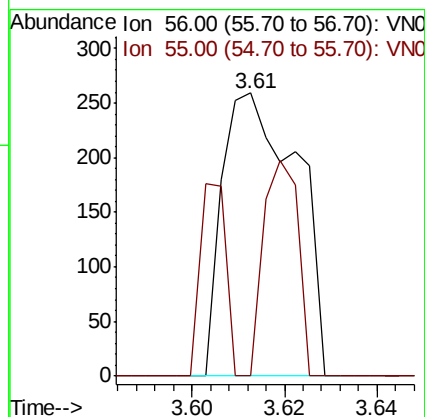
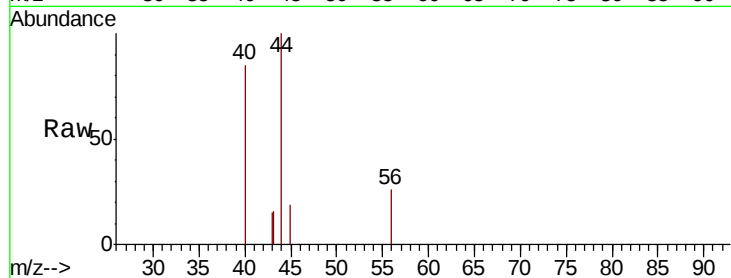
Acq: 11 Jan 2019 17:07

Tgt Ion: 56 Resp: 290

Ion Ratio Lower Upper

56 100

55 35.5 56.3 84.5#



#16

Acetone

Concen: 0.982 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053370.D

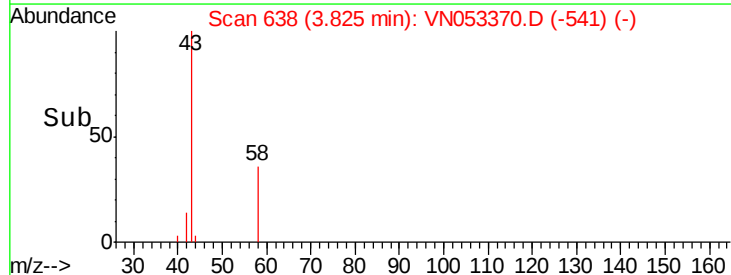
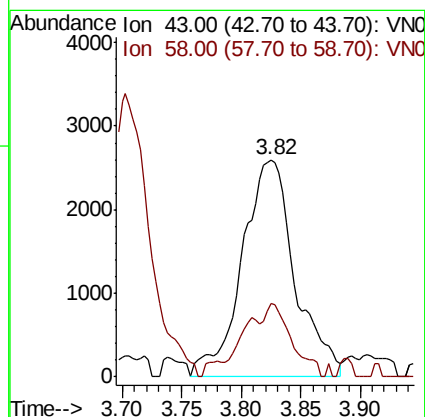
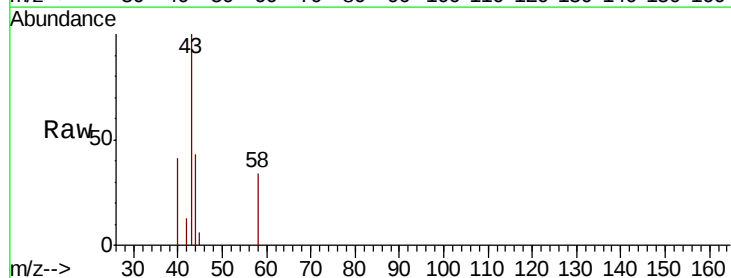
Acq: 11 Jan 2019 17:07

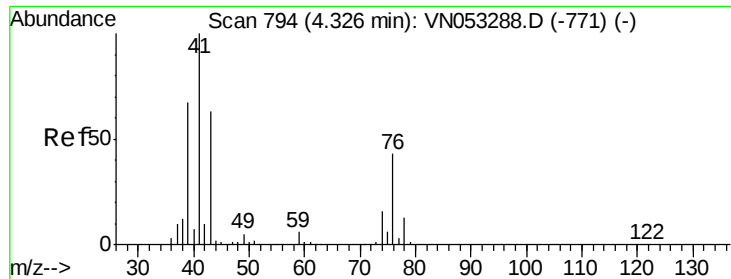
Tgt Ion: 43 Resp: 8001

Ion Ratio Lower Upper

43 100

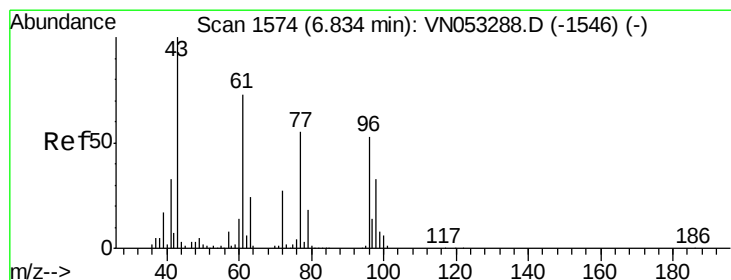
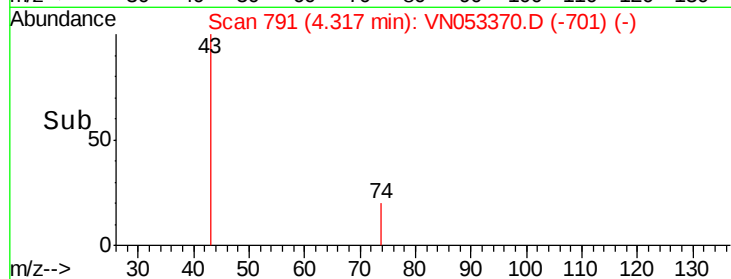
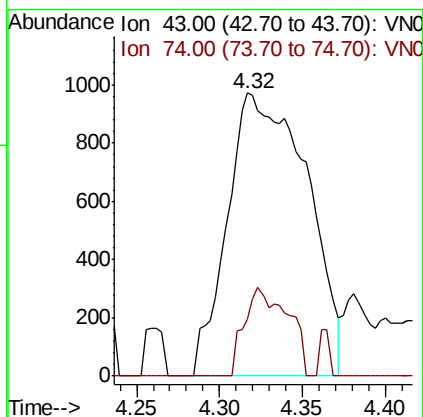
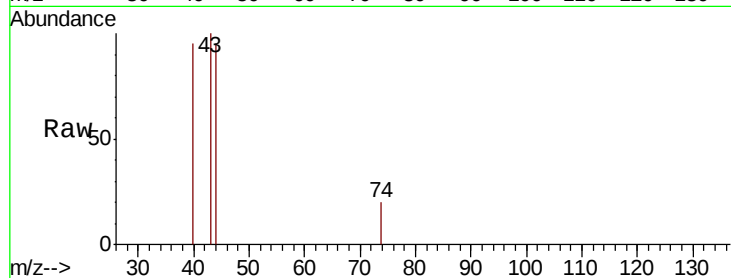
58 27.4 27.8 41.6#





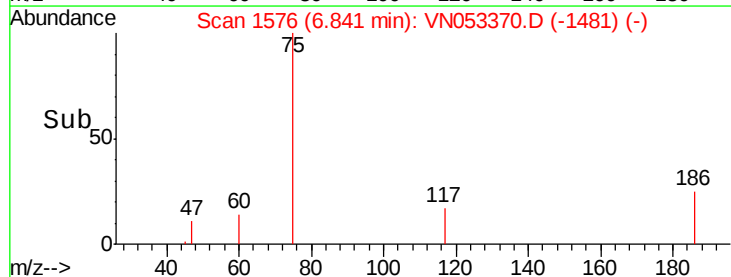
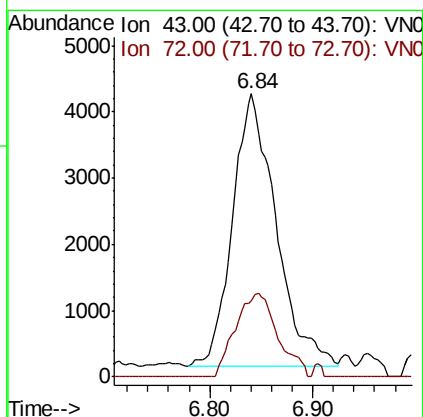
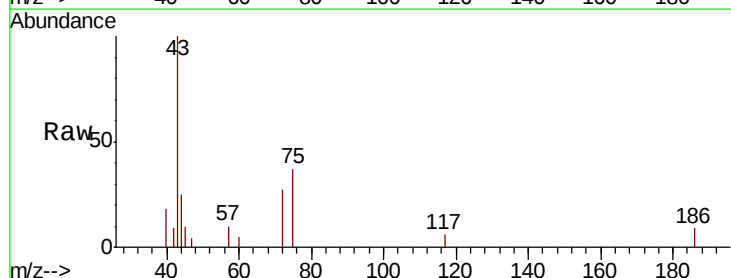
#18
Methyl Acetate
Concen: 0.346 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.01 min
Lab File: VN053370.D
Acq: 11 Jan 2019 17:07

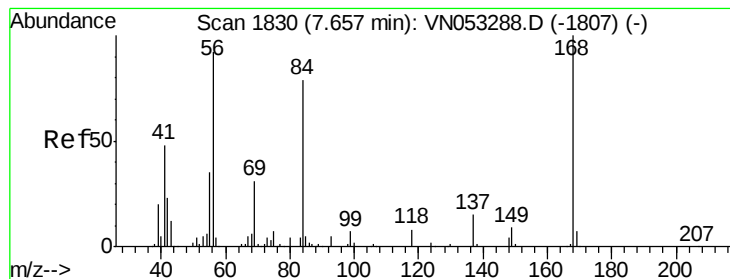
Tgt Ion: 43 Resp: 3248
Ion Ratio Lower Upper
43 100
74 17.1 19.8 29.8#



#25
2-Butanone
Concen: 2.837 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN053370.D
Acq: 11 Jan 2019 17:07

Tgt Ion: 43 Resp: 12058
Ion Ratio Lower Upper
43 100
72 28.1 22.0 33.0





#31

Cyclohexane

Concen: 0.693 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053370.D

Acq: 11 Jan 2019 17:07

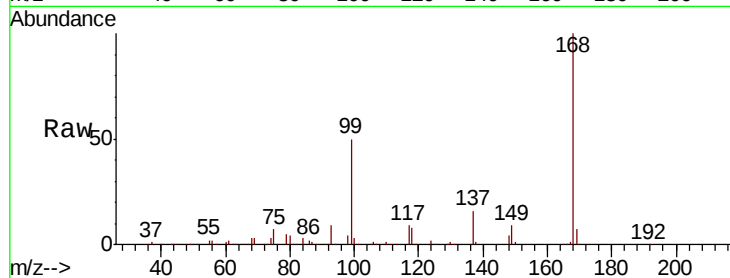
Tgt Ion: 56 Resp: 15642

Ion Ratio Lower Upper

56 100

69 200.5 26.7 40.1#

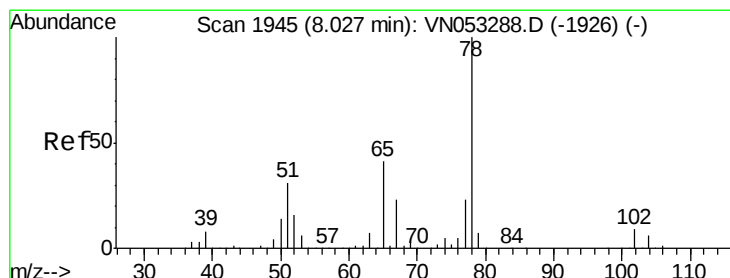
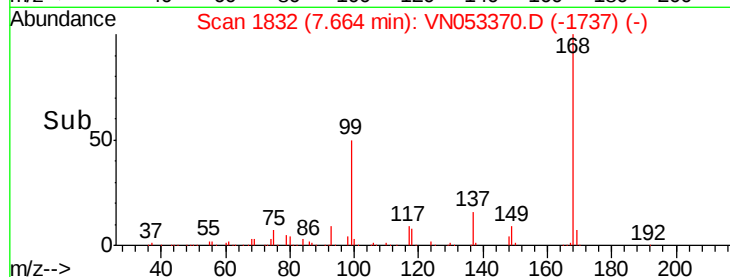
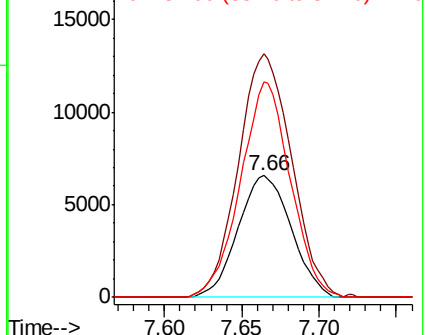
84 177.7 68.2 102.4#



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: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053370.D

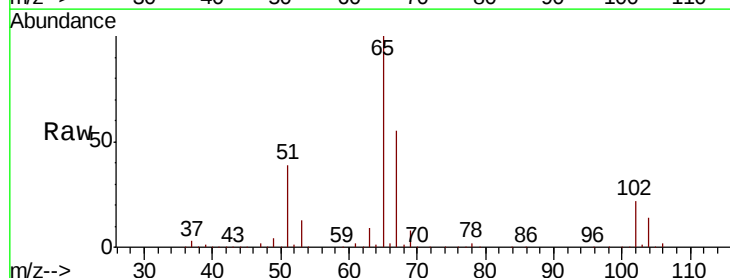
Acq: 11 Jan 2019 17:07

Tgt Ion: 65 Resp: 497562

Ion Ratio Lower Upper

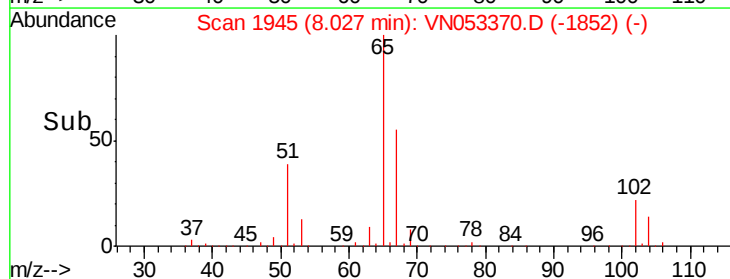
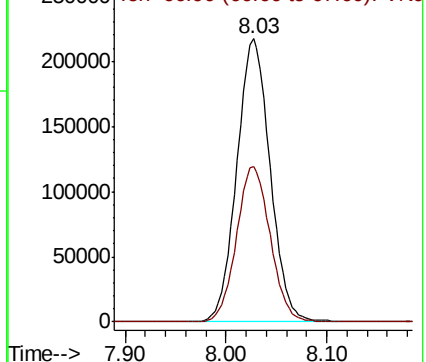
65 100

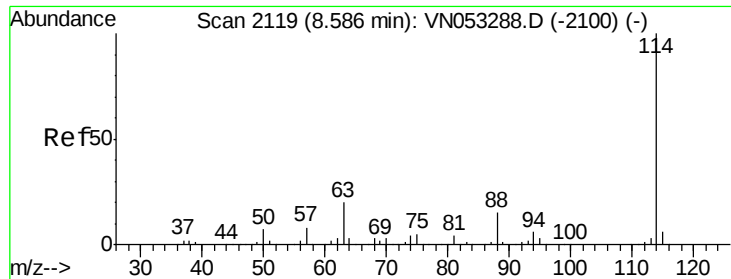
67 55.7 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

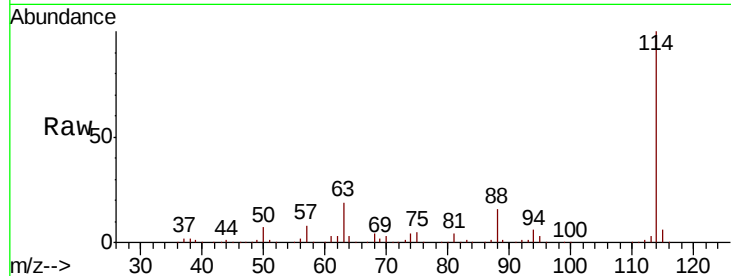
Ion 66.90 (66.60 to 67.60): VN0



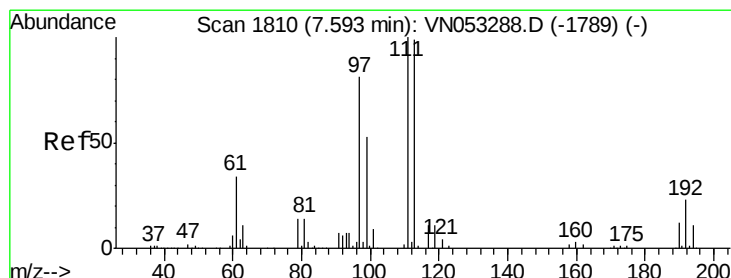
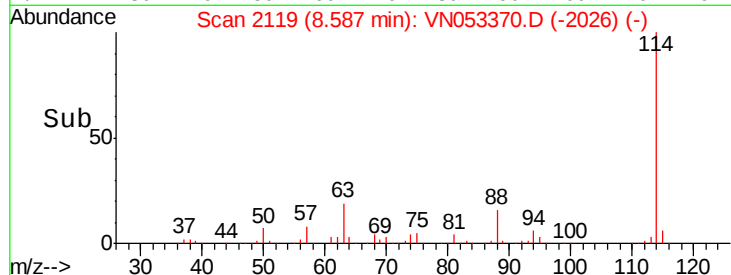
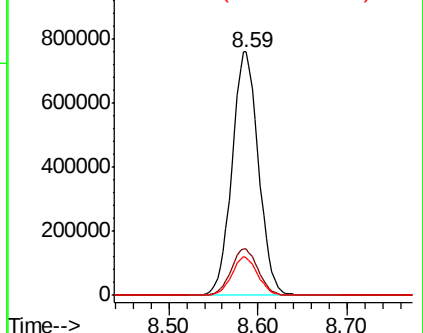


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053370.D
 Acq: 11 Jan 2019 17:07

Tgt Ion:114 Resp: 1556797
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.0
 88 15.7 0.0 30.8

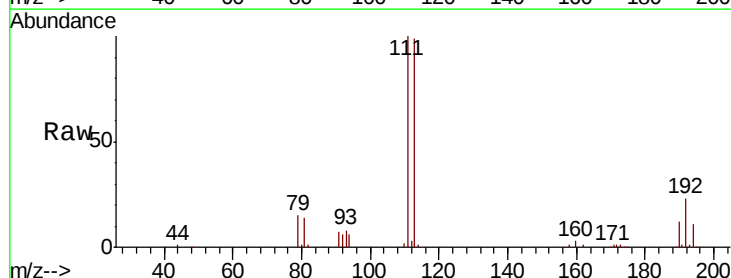


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

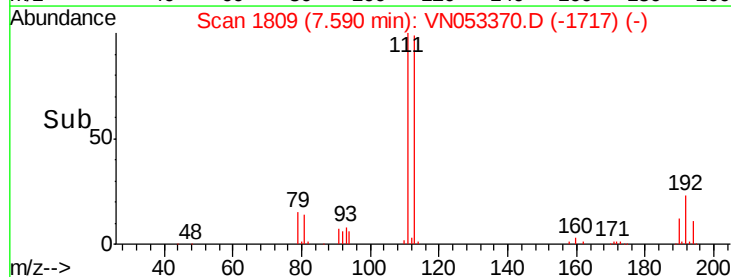
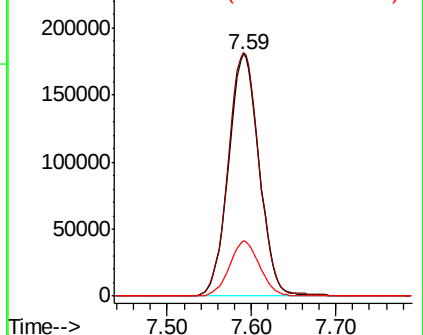


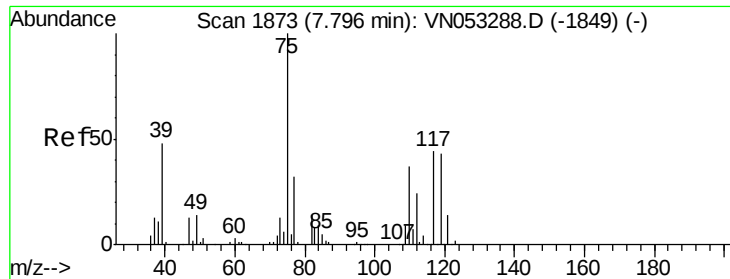
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053370.D
 Acq: 11 Jan 2019 17:07

Tgt Ion:113 Resp: 456023
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.4 122.2
 192 22.4 17.9 26.9



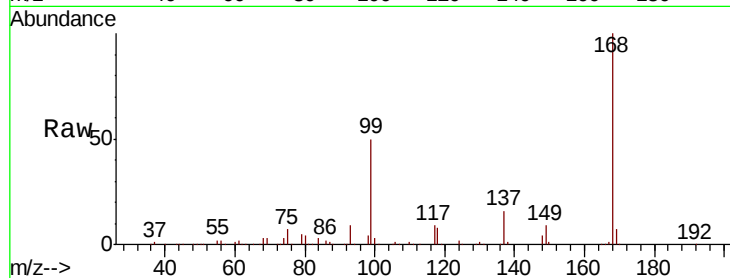
Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



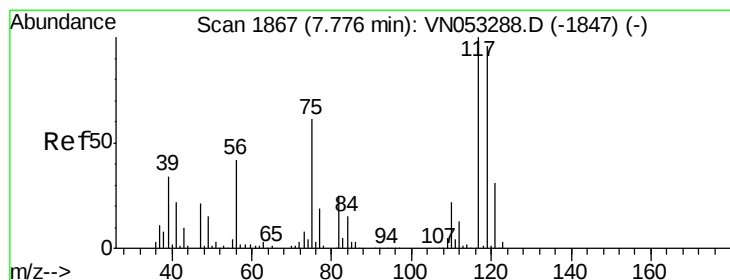
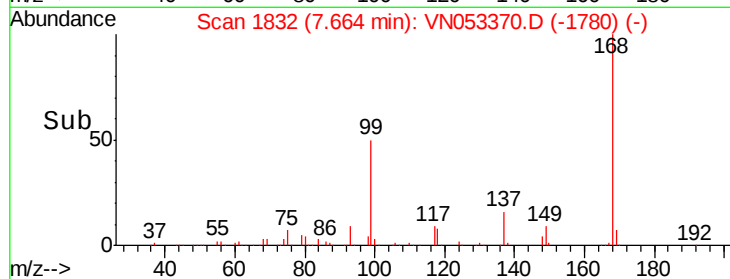
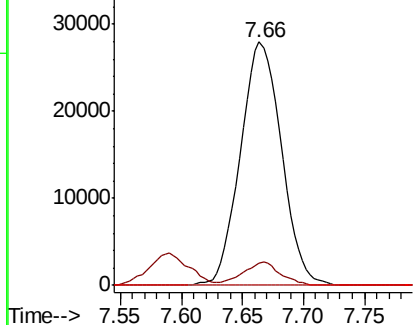


#36
 1,1-Dichloropropene
 Concen: 4.482 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053370.D
 Acq: 11 Jan 2019 17:07

Tgt Ion: 75 Resp: 65142
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.0#
 77 0.0 25.3 37.9#

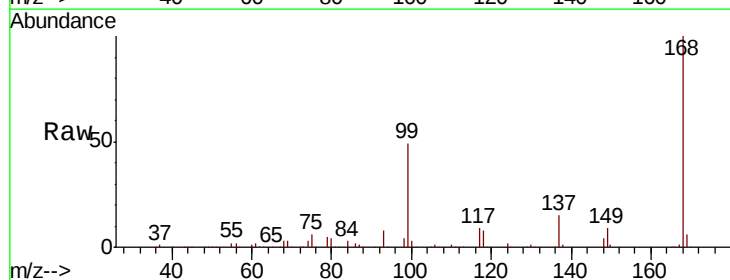


Abundance Ion 74.90 (74.60 to 75.60): VN053370.D (-1780) (-)
 Ion 109.90 (109.60 to 110.60): VN053370.D (-1780) (-)
 Ion 76.90 (76.60 to 77.60): VN053370.D (-1780) (-)

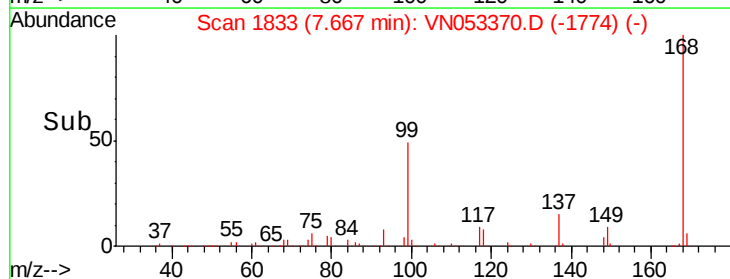
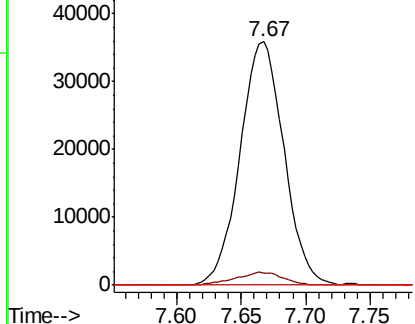


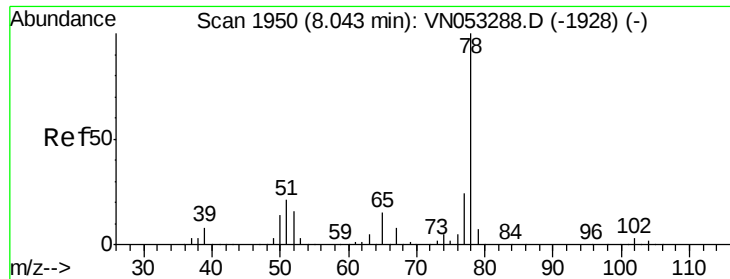
#38
 Carbon Tetrachloride
 Concen: 6.326 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053370.D
 Acq: 11 Jan 2019 17:07

Tgt Ion: 117 Resp: 84855
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.6 115.0#
 121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): VN053370.D (-1774) (-)
 Ion 118.80 (118.50 to 119.50): VN053370.D (-1774) (-)
 Ion 120.80 (120.50 to 121.50): VN053370.D (-1774) (-)





#40

Benzene

Concen: 0.331 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN053370.D

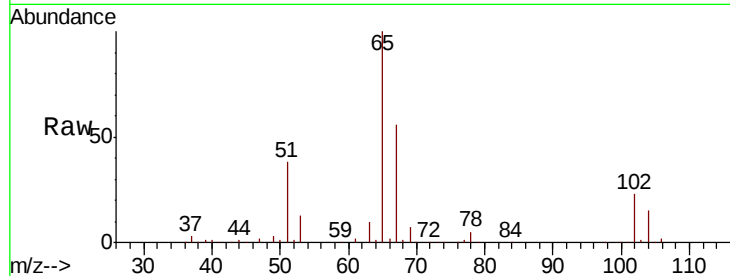
Acq: 11 Jan 2019 17:07

Tgt Ion: 78 Resp: 14703

Ion Ratio Lower Upper

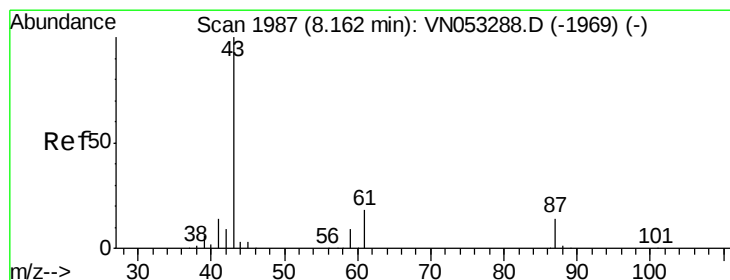
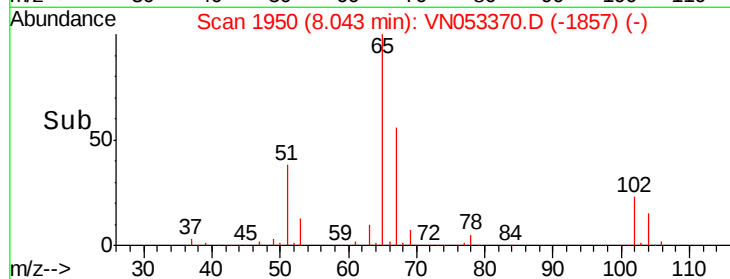
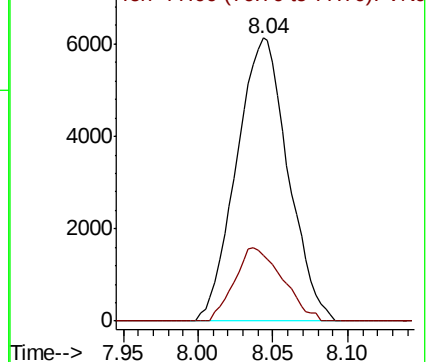
78 100

77 23.3 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#43

Isopropyl Acetate

Concen: 4.620 ug/l

RT: 8.30 min Scan# 2031

Delta R.T. 0.14 min

Lab File: VN053370.D

Acq: 11 Jan 2019 17:07

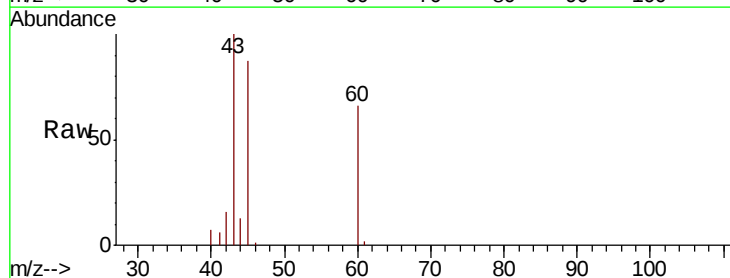
Tgt Ion: 43 Resp: 86037

Ion Ratio Lower Upper

43 100

61 0.0 23.3 34.9#

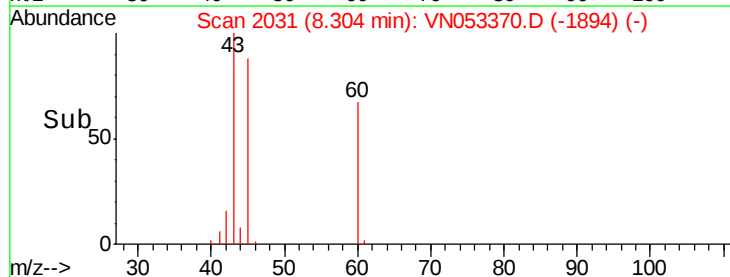
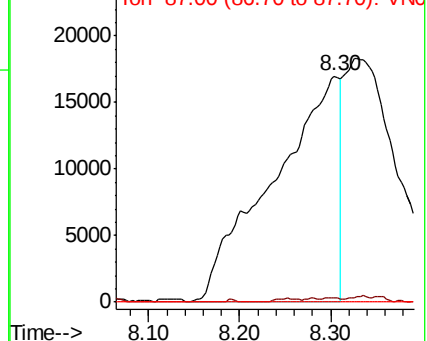
87 0.0 10.8 16.2#

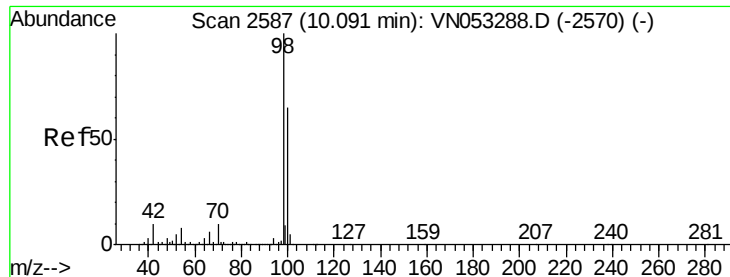


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053370.D

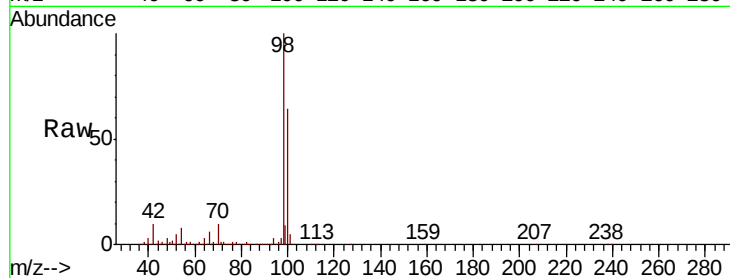
Acq: 11 Jan 2019 17:07

Tgt Ion: 98 Resp: 1937650

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN053370.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053370.D (-2494) (-)

10.09

1200000

1000000

800000

600000

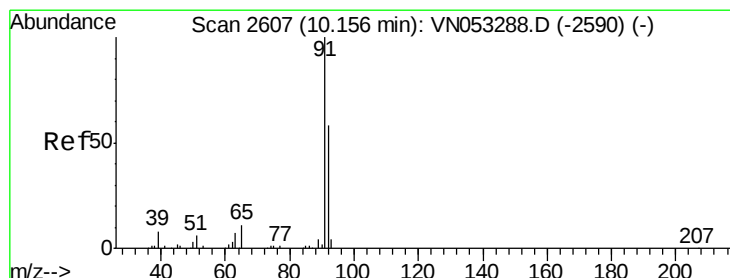
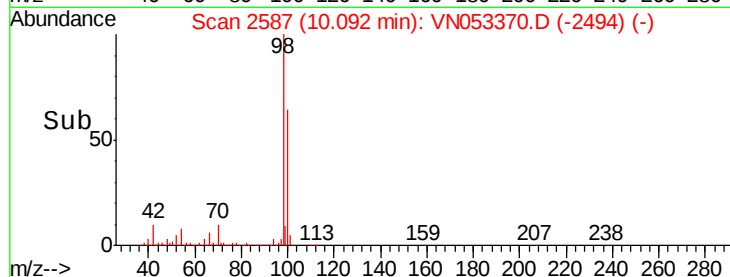
400000

200000

0

Time-->

10.00 10.10 10.20



#52

Toluene

Concen: 0.391 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053370.D

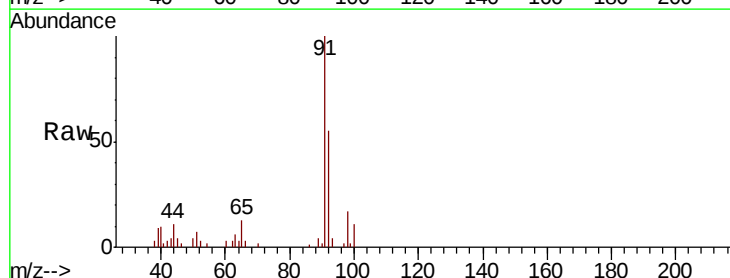
Acq: 11 Jan 2019 17:07

Tgt Ion: 92 Resp: 10652

Ion Ratio Lower Upper

92 100

91 182.5 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN053370.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN053370.D (-2514) (-)

10.16

12000

10000

8000

6000

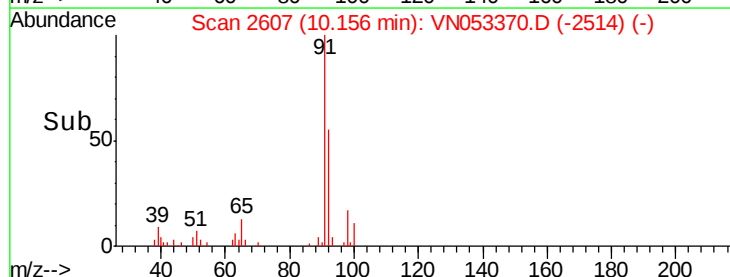
4000

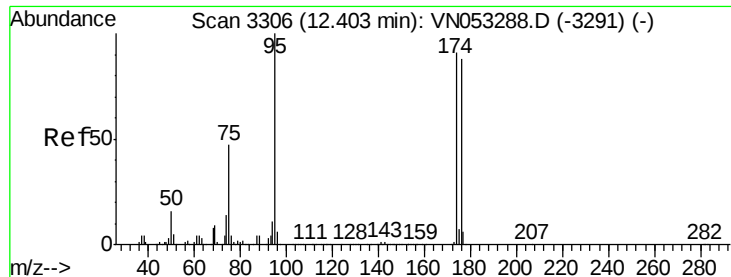
2000

0

Time-->

10.10 10.15 10.20





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

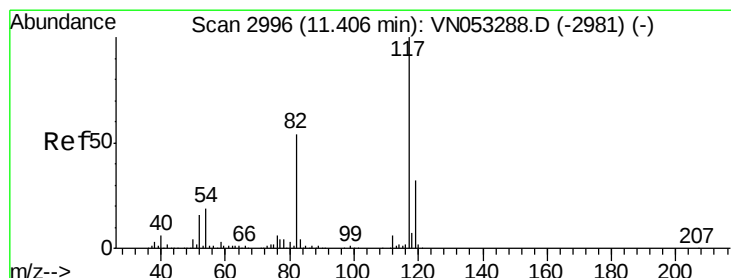
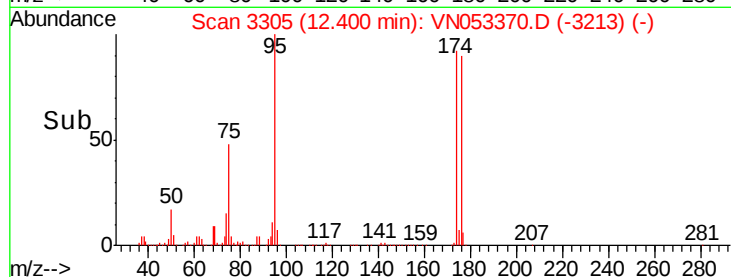
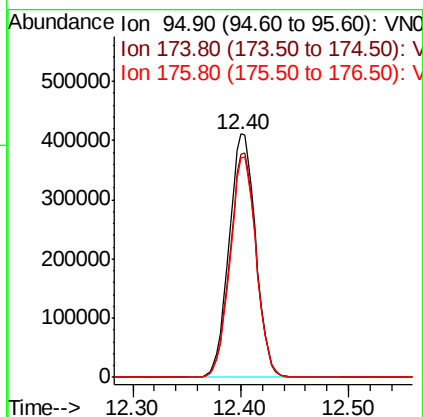
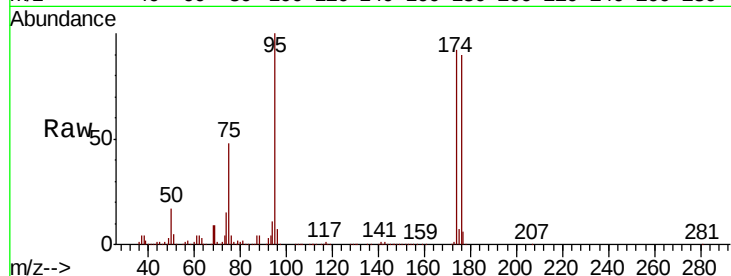
RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053370.D

Acq: 11 Jan 2019 17:07

Tgt Ion:	95	Resp:	704811
Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	180.4
176	88.7	0.0	175.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

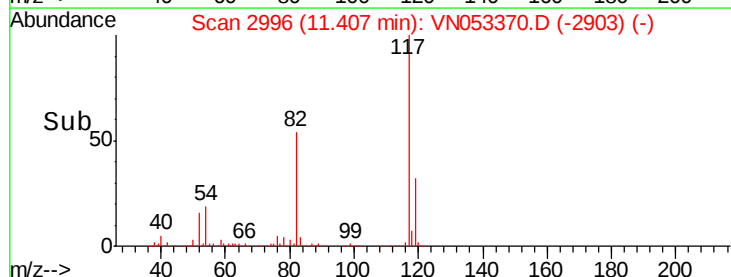
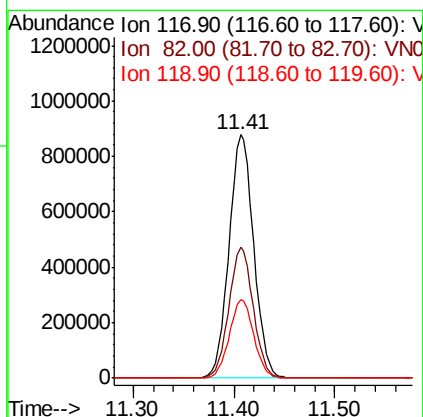
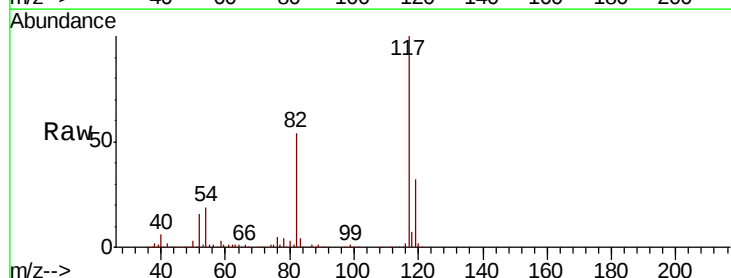
RT: 11.41 min Scan# 2996

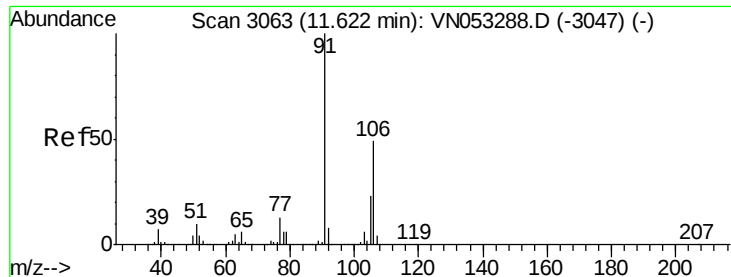
Delta R.T. 0.00 min

Lab File: VN053370.D

Acq: 11 Jan 2019 17:07

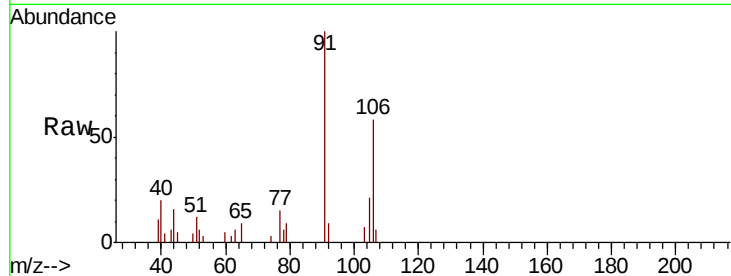
Tgt Ion:	117	Resp:	1496082
Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.9	64.3
119	32.1	25.6	38.4



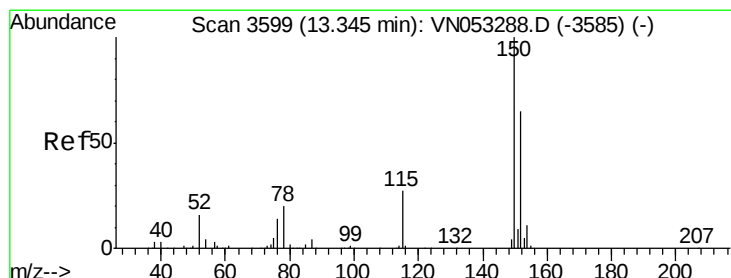
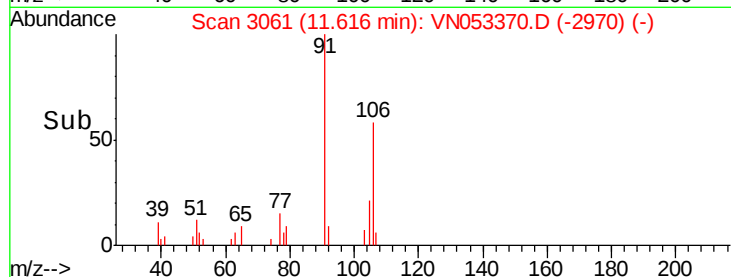
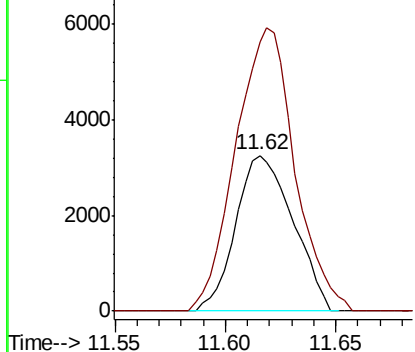


#68
m/p-Xylenes
Concen: 0.282 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN053370.D
Acq: 11 Jan 2019 17:07

Tgt Ion:106 Resp: 5859
Ion Ratio Lower Upper
106 100
91 188.3 161.4 242.2

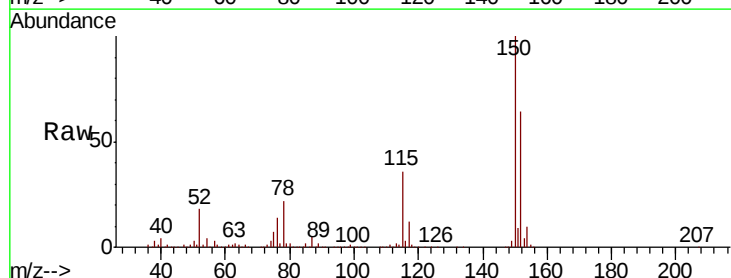


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

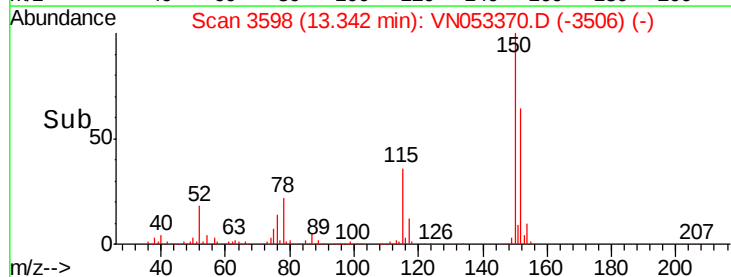
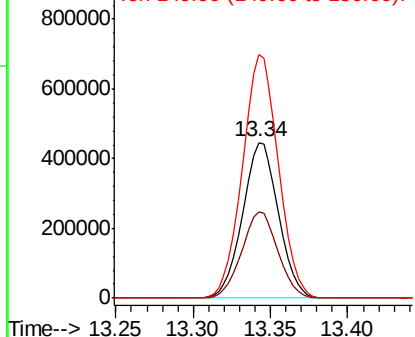


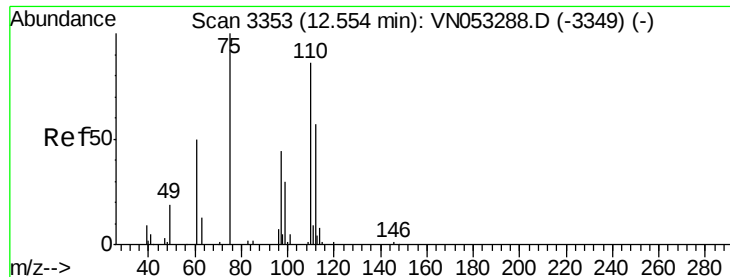
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053370.D
Acq: 11 Jan 2019 17:07

Tgt Ion:152 Resp: 717686
Ion Ratio Lower Upper
152 100
115 55.8 28.0 84.0
150 157.3 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 31.704 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053370.D

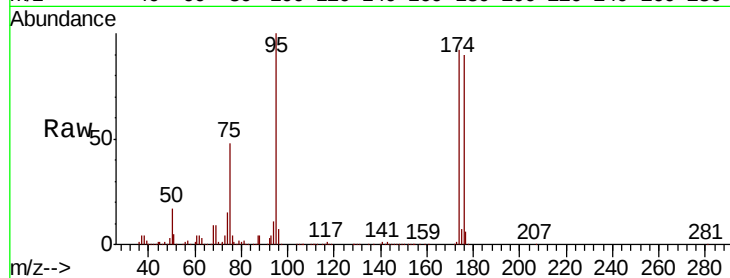
Acq: 11 Jan 2019 17:07

Tgt Ion: 75 Resp: 331877

Ion Ratio Lower Upper

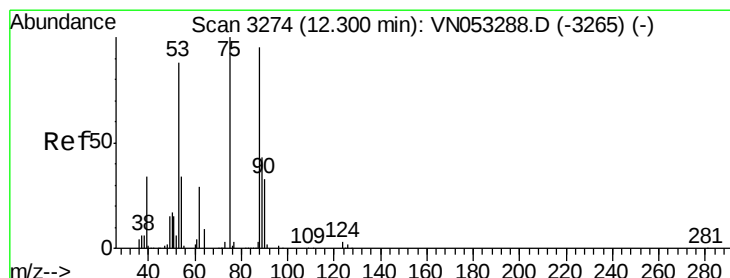
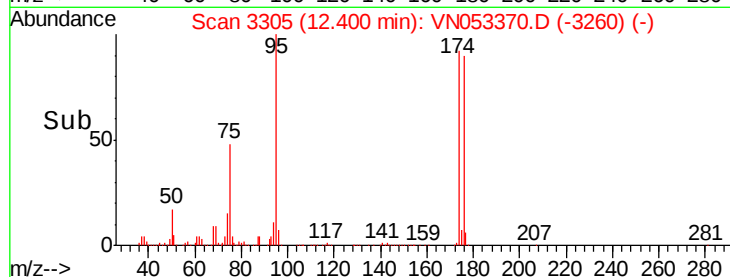
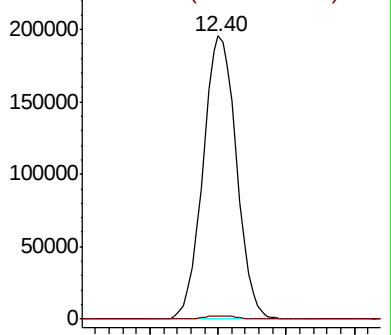
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 93.280 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053370.D

Acq: 11 Jan 2019 17:07

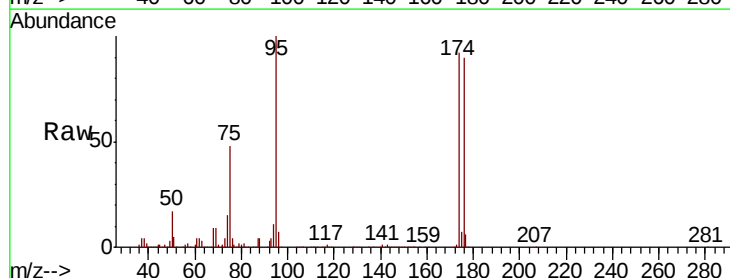
Tgt Ion: 75 Resp: 331877

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

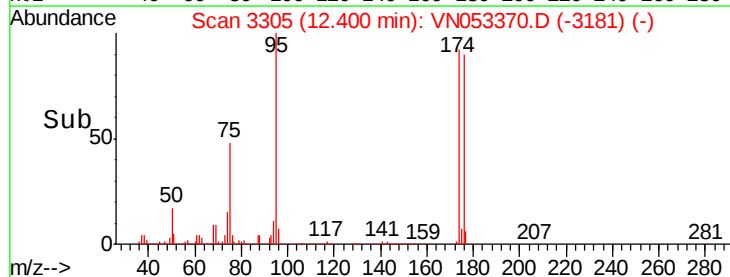
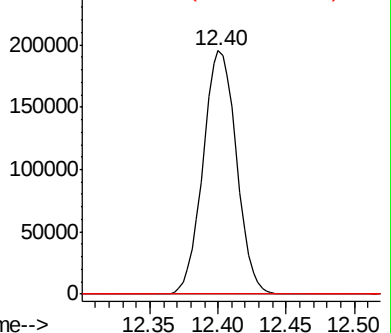
89 0.0 35.4 53.0#

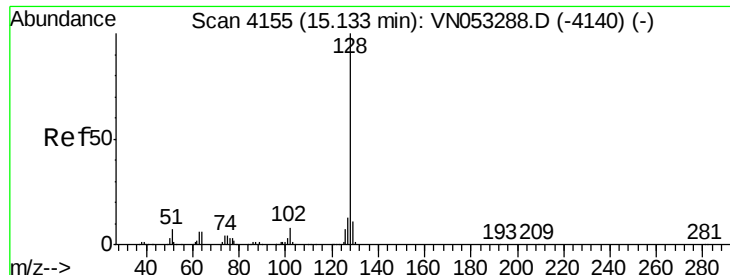


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 2.192 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053370.D

Acq: 11 Jan 2019 17:07

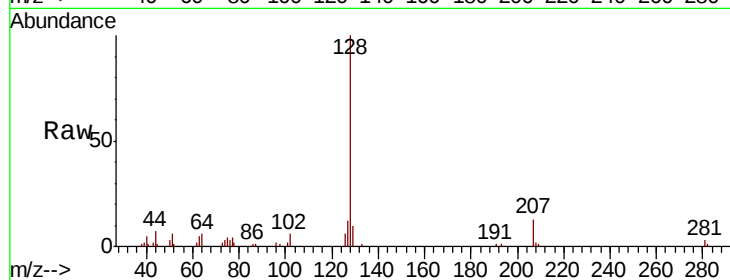
Tgt Ion:128 Resp: 27661

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.4 8.7 13.1



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

