

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022219\
 Data File : VN053905.D
 Acq On : 22 Feb 2019 10:13
 Operator : JC/SP
 Sample : VN0222WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 22 22:11:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	587151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	994091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	929863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	339493	50.00	ug/l	0.00

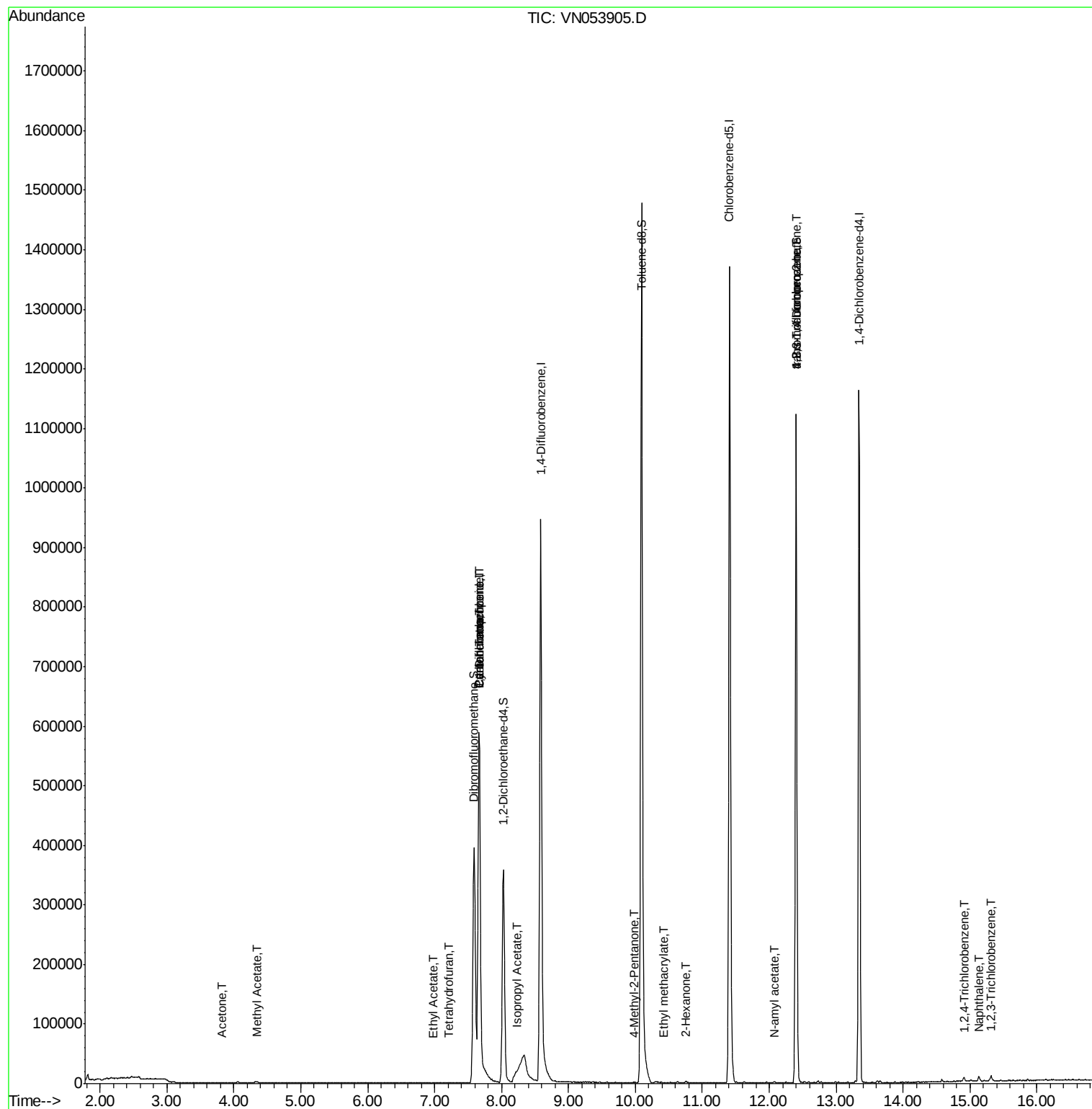
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	312660	52.10	ug/l	0.00
Spiked Amount						
			Recovery	=	104.20%	
35) Dibromofluoromethane	7.59	113	315313	48.33	ug/l	0.00
Spiked Amount						
			Recovery	=	96.66%	
50) Toluene-d8	10.09	98	1212055	51.44	ug/l	0.00
Spiked Amount						
			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	390648	50.22	ug/l	0.00
Spiked Amount						
			Recovery	=	100.44%	

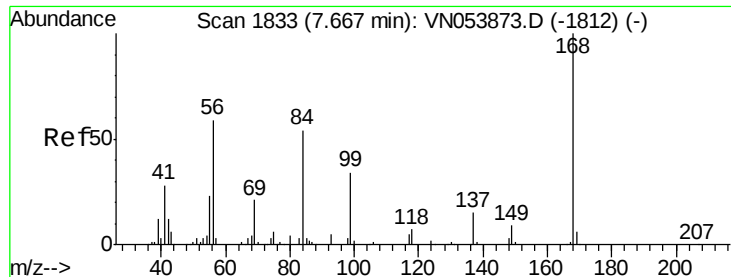
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	403	0.244	ug/l #	40
18) Methyl Acetate	4.33	43	6059	1.556	ug/l #	65
29) Tetrahydrofuran	7.22	42	708	0.514	ug/l #	51
31) Cyclohexane	7.66	56	8388	0.345	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	33445	3.670	ug/l #	48
37) Ethyl Acetate	6.98	43	61	0.230	ug/l #	67
38) Carbon Tetrachloride	7.66	117	47771	5.248	ug/l #	17
41) Methacrylonitrile	7.21	41	354	Below Cal	#	100
43) Isopropyl Acetate	8.22	43	18766	1.931	ug/l #	58
51) 4-Methyl-2-Pentanone	9.98	43	559	6.630	ug/l #	34
56) Ethyl methacrylate	10.43	69	62	2.474	ug/l #	72
59) 2-Hexanone	10.76	43	1933	0.634	ug/l	92
74) N-amyl acetate	12.08	43	1563	0.285	ug/l #	59
76) 1,2,3-Trichloropropane	12.40	75	177797	35.675	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	177797	117.774	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	2629	3.299	ug/l	95
95) Naphthalene	15.13	128	8102	5.158	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.32	180	3736	3.125	ug/l	90

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

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Quant Title : SW846 8260
QLast Update : Thu Feb 21 03:36:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053905.D

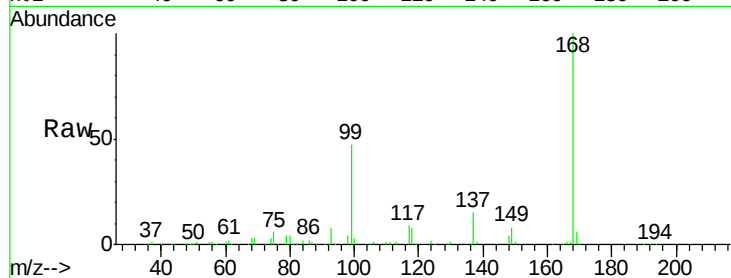
Acq: 22 Feb 2019 10:13

Tot Ion:168 Resp: 587151

Ion Ratio Lower Upper

168 100

99 46.6 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

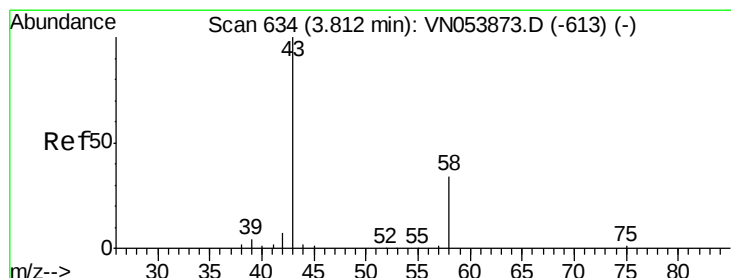
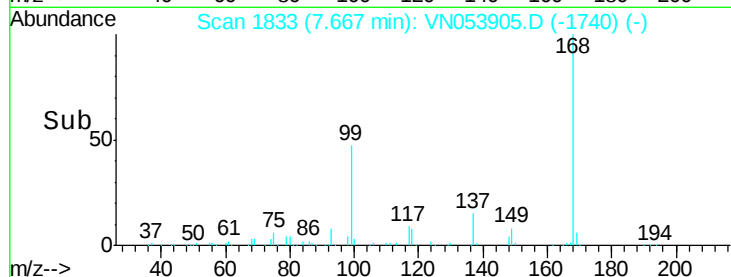
100000

50000

0

Time-->

7.60 7.70 7.80



#16

Acetone

Concen: 0.244 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053905.D

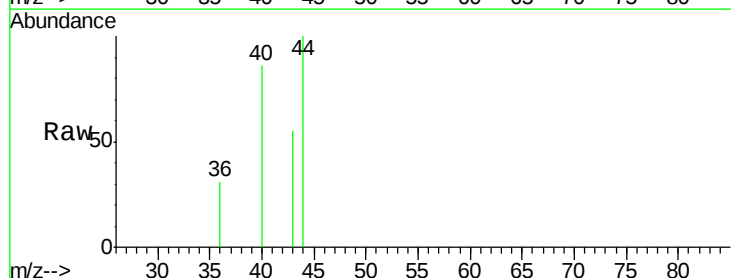
Acq: 22 Feb 2019 10:13

Tgt Ion: 43 Resp: 403

Ion Ratio Lower Upper

43 100

58 0.0 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

500

400

300

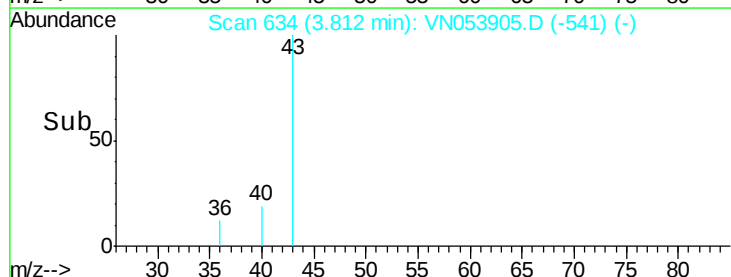
200

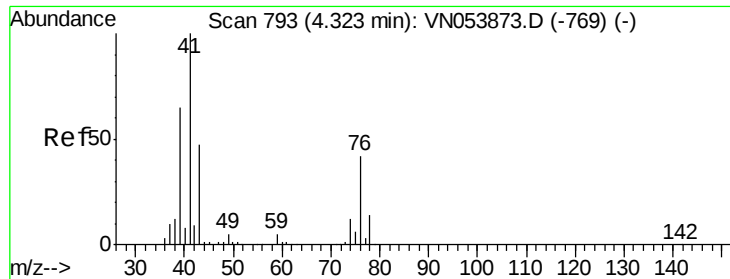
100

0

Time-->

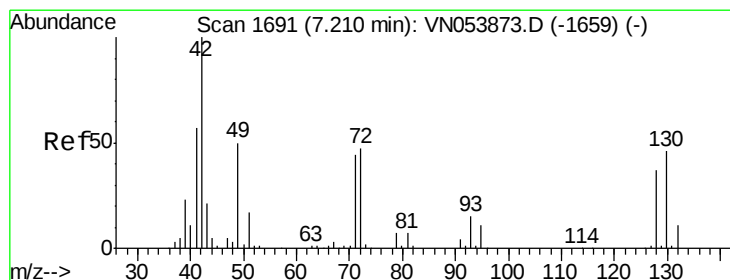
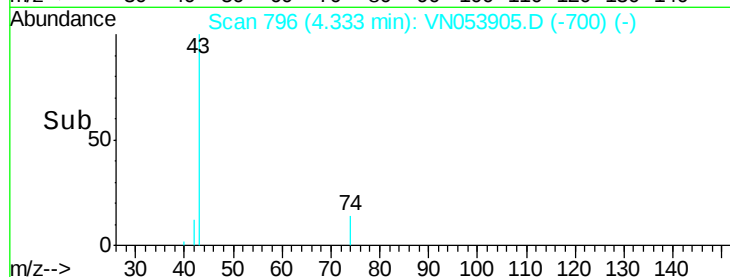
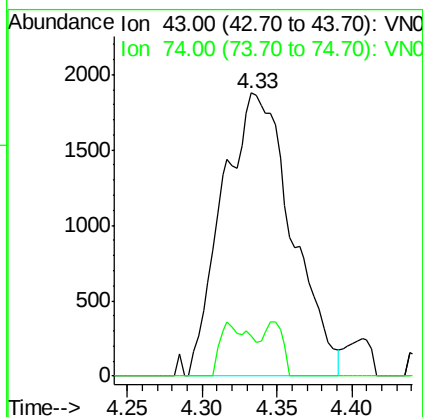
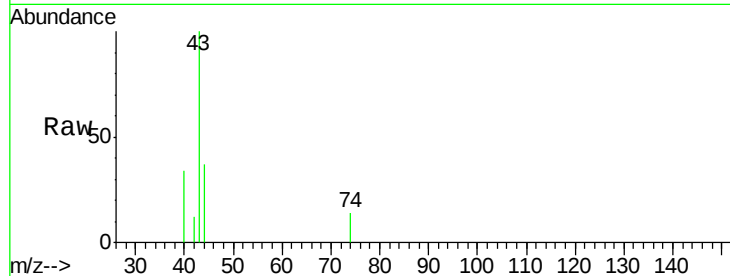
3.79 3.80 3.81 3.82 3.83





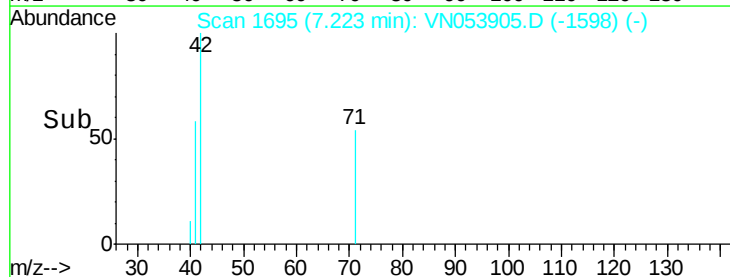
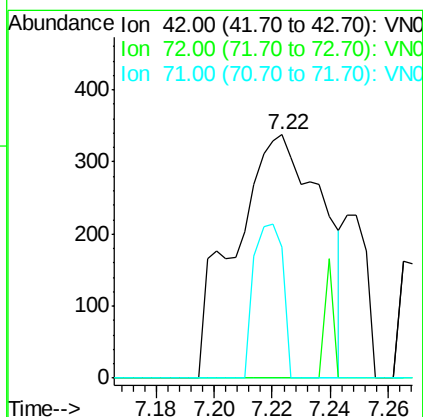
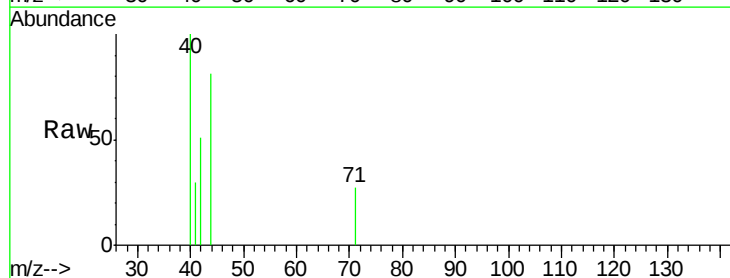
#18
Methvl Acetate
Concen: 1.556 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053905.D
Acq: 22 Feb 2019 10:13

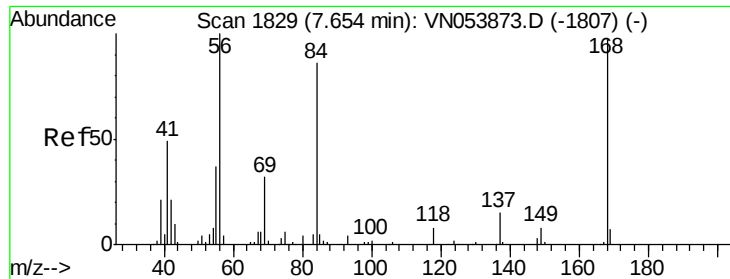
Tot Ion: 43 Resp: 6059
Ion Ratio Lower Upper
43 100
74 8.0 20.5 30.7#



#29
Tetrahydrofuran
Concen: 0.514 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN053905.D
Acq: 22 Feb 2019 10:13

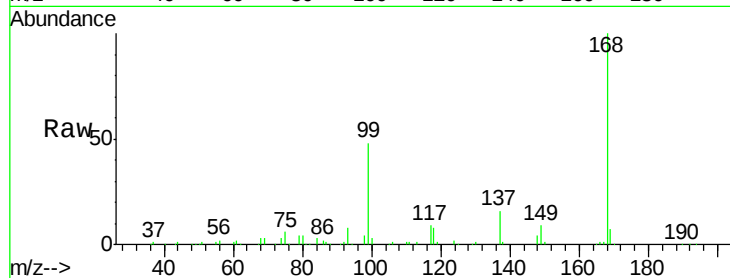
Tgt Ion: 42 Resp: 708
Ion Ratio Lower Upper
42 100
72 4.5 36.9 55.3#
71 21.2 34.6 52.0#



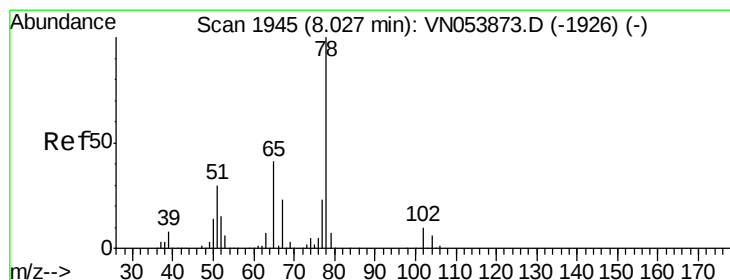
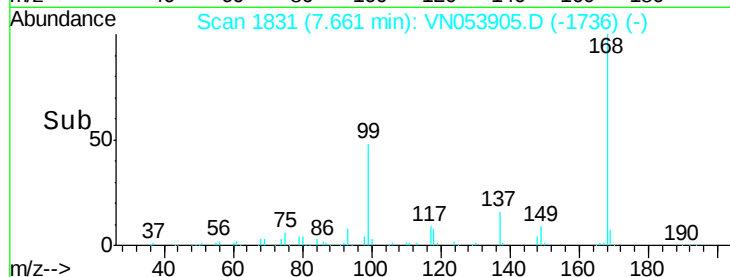
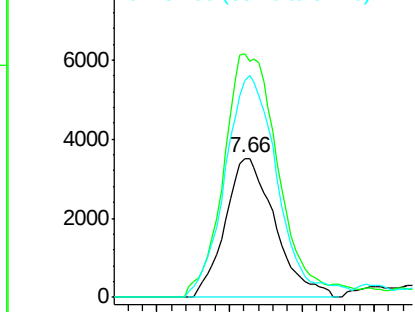


#31
Cyclohexane
Concen: 0.345 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN053905.D
Acq: 22 Feb 2019 10:13

Tot Ion: 56 Resp: 8388
Ion Ratio Lower Upper
56 100
69 167.6 26.0 39.0#
84 152.5 69.1 103.7#

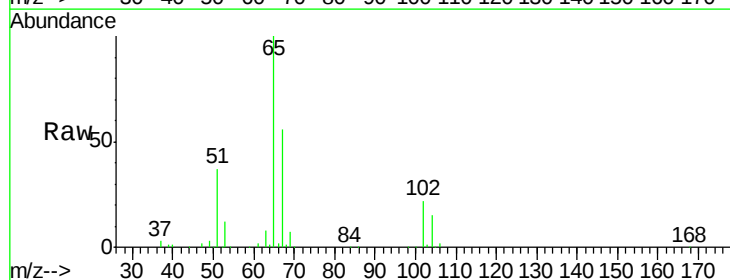


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

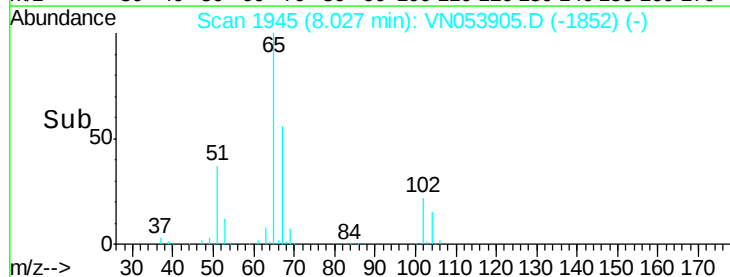
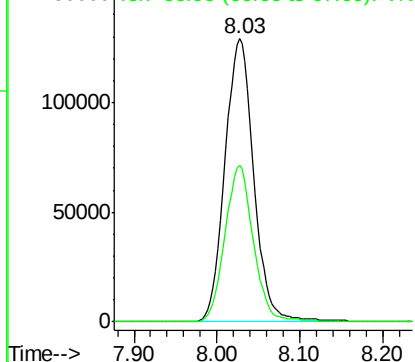


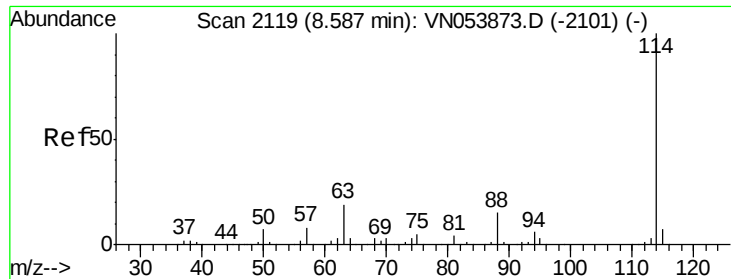
#33
1,2-Dichloroethane-d4
Concen: 52.105 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053905.D
Acq: 22 Feb 2019 10:13

Tgt Ion: 65 Resp: 312660
Ion Ratio Lower Upper
65 100
67 54.6 0.0 111.8



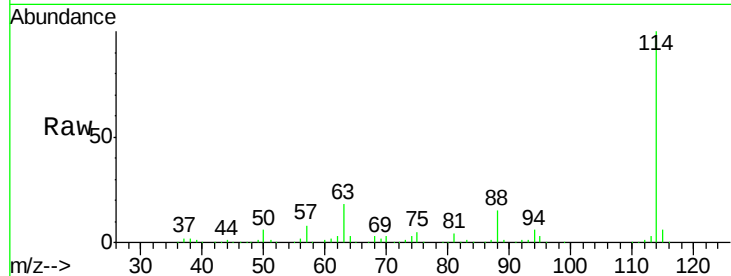
Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



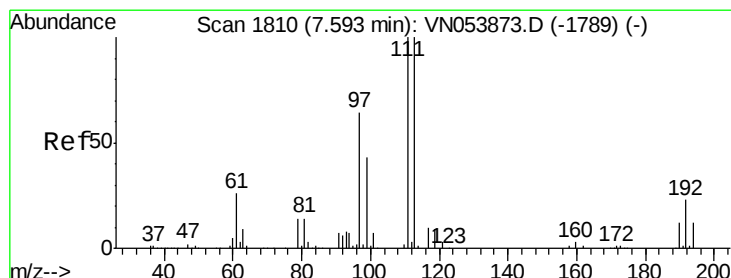
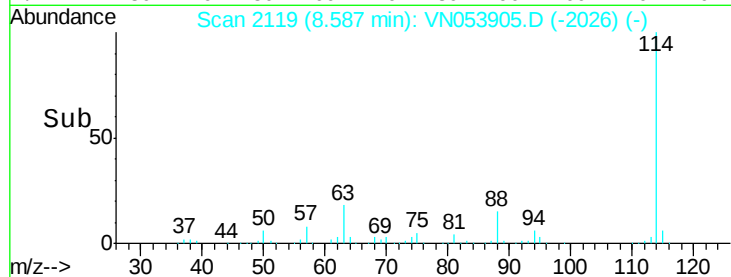
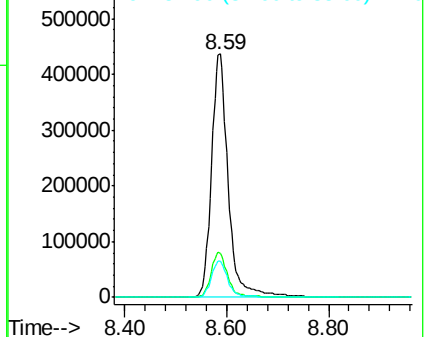


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053905.D
 Acq: 22 Feb 2019 10:13

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	37.4
88	14.8	0.0	30.4

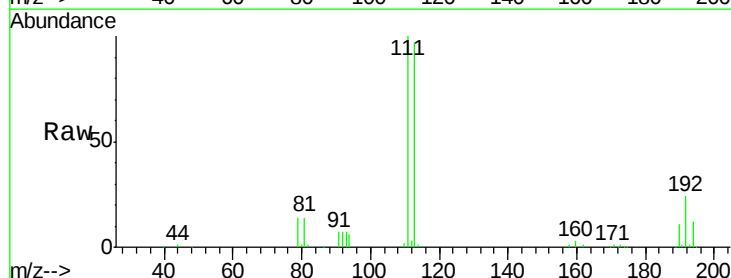


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

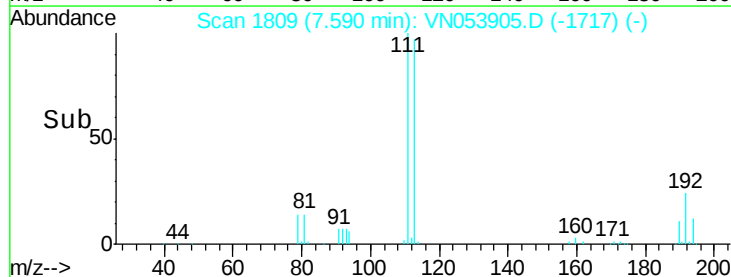
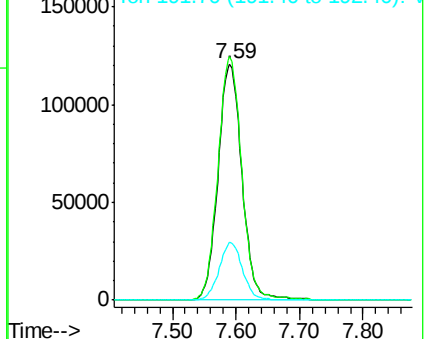


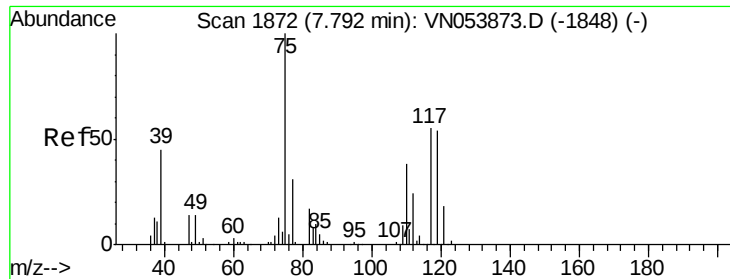
#35
 Dibromofluoromethane
 Concen: 48.331 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053905.D
 Acq: 22 Feb 2019 10:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.1	121.7
192	23.7	18.8	28.2



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: 3.670 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053905.D

Acq: 22 Feb 2019 10:13

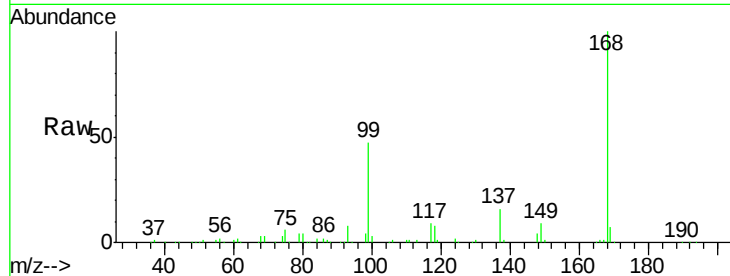
Tot Ion: 75 Resp: 33445

Ion Ratio Lower Upper

75 100

110 9.4 19.0 57.0#

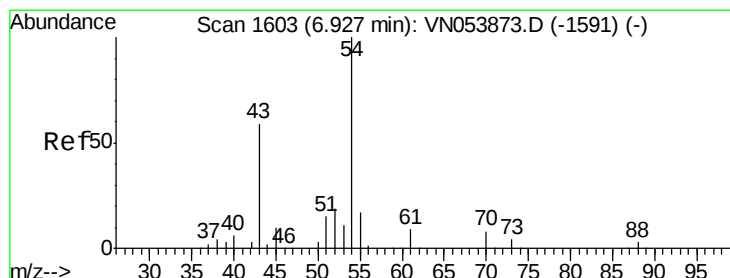
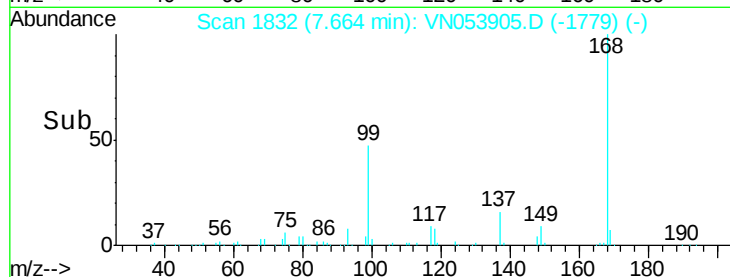
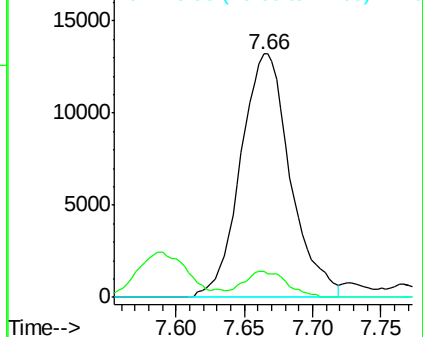
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#37

Ethyl Acetate

Concen: 0.230 ug/l

RT: 6.98 min Scan# 1619

Delta R.T. 0.05 min

Lab File: VN053905.D

Acq: 22 Feb 2019 10:13

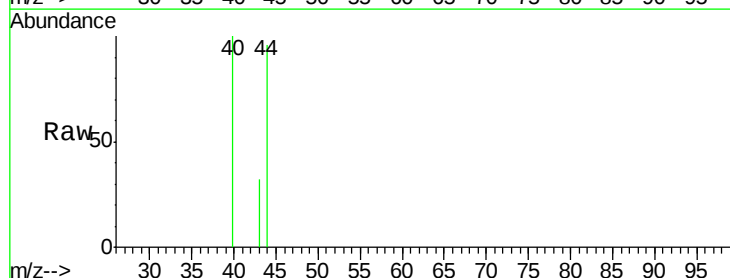
Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

61 0.0 12.0 18.0#

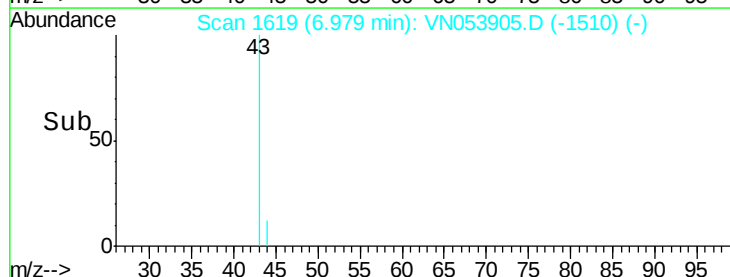
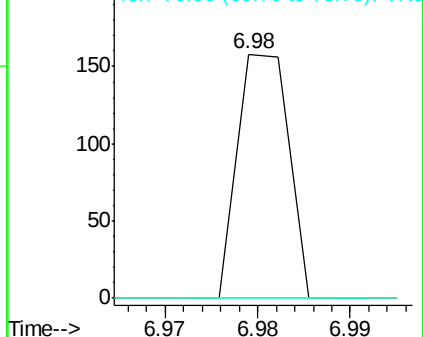
70 0.0 8.7 13.1#

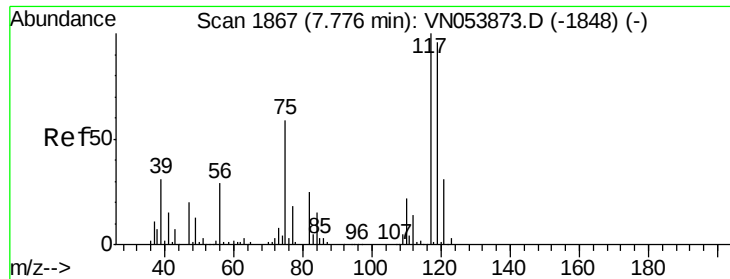


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 70.00 (69.70 to 70.70): VNO





#38

Carbon Tetrachloride

Concen: 5.248 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053905.D

Acq: 22 Feb 2019 10:13

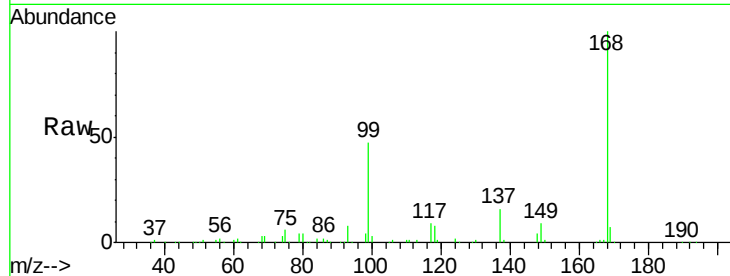
Tot Ion:117 Resp: 47771

Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.2#

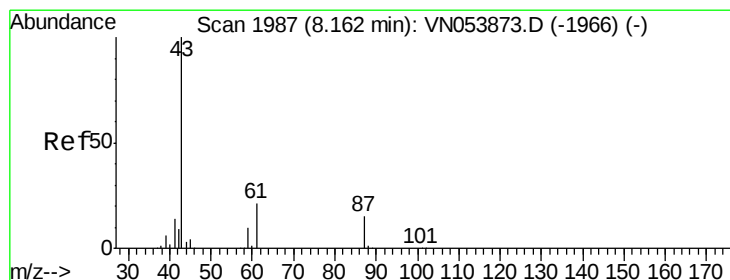
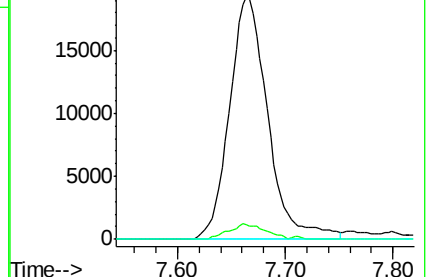
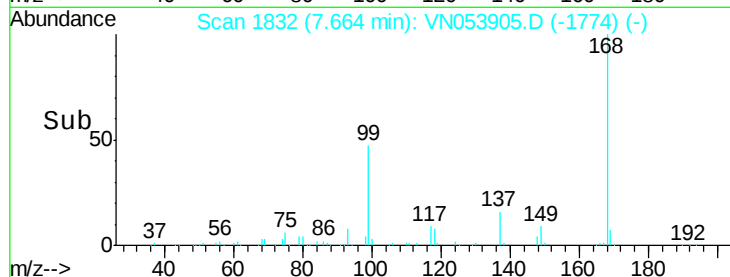
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.931 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.05 min

Lab File: VN053905.D

Acq: 22 Feb 2019 10:13

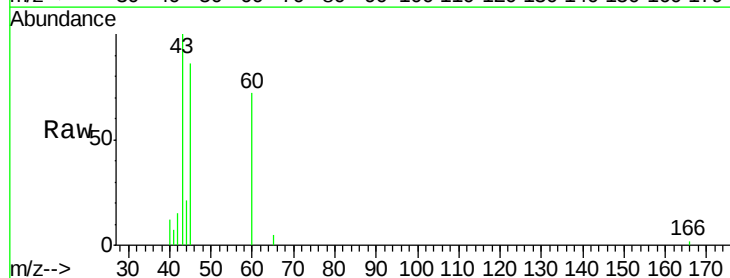
Tgt Ion: 43 Resp: 18766

Ion Ratio Lower Upper

43 100

61 0.0 17.4 26.0#

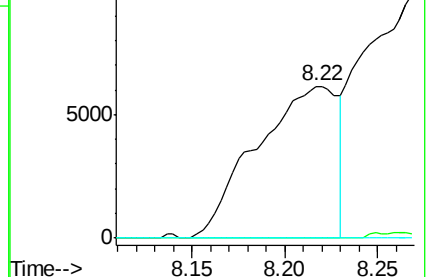
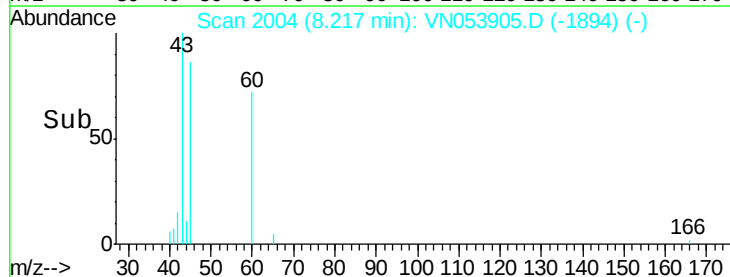
87 0.0 11.5 17.3#

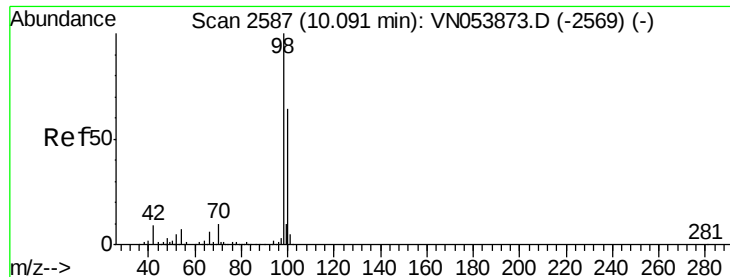


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

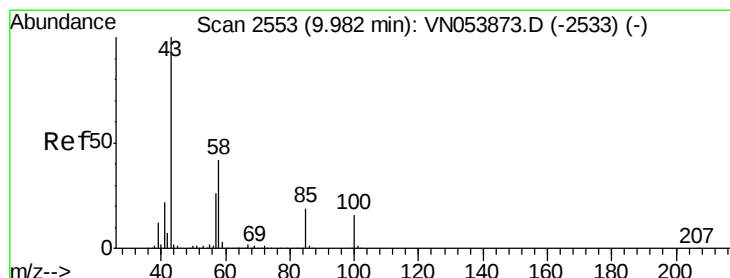
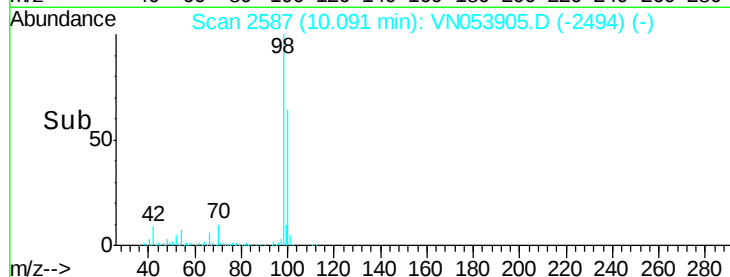
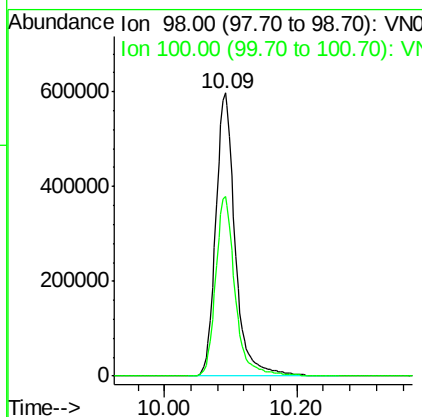
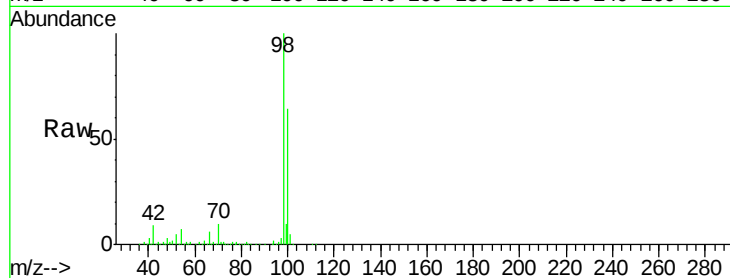
Ion 87.00 (86.70 to 87.70): V





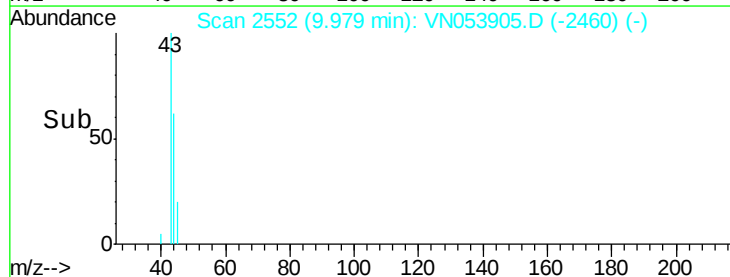
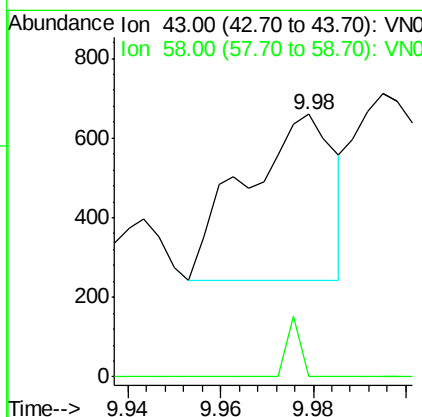
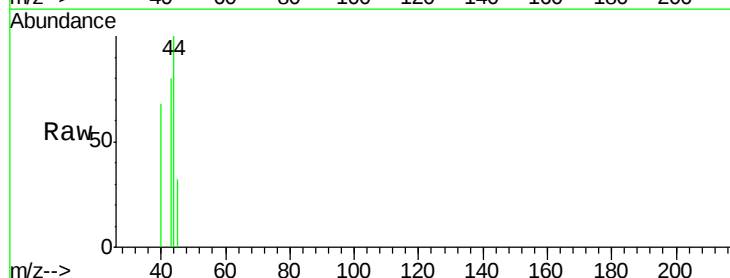
#50
Toluene-d8
Concen: 51.438 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053905.D
Acq: 22 Feb 2019 10:13

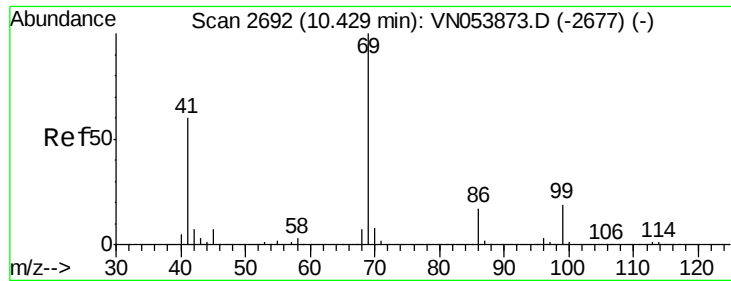
Tot Ion: 98 Resp: 1212055
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 6.630 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN053905.D
Acq: 22 Feb 2019 10:13

Tgt Ion: 43 Resp: 559
Ion Ratio Lower Upper
43 100
58 0.0 32.7 49.1#





#56

Ethyl methacrylate

Concen: 2.474 ug/l

RT: 10.43 min Scan# 2692

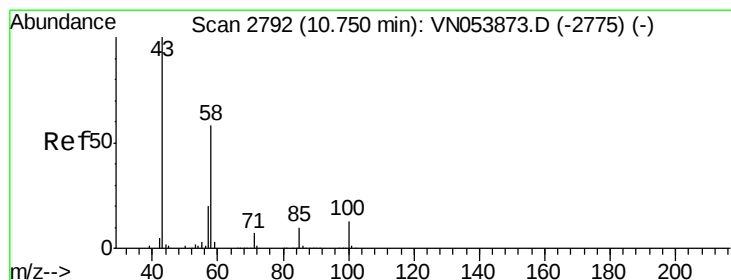
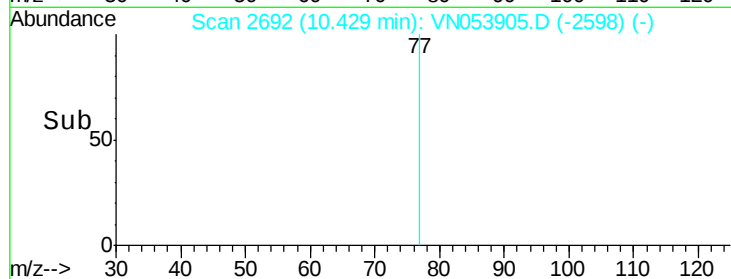
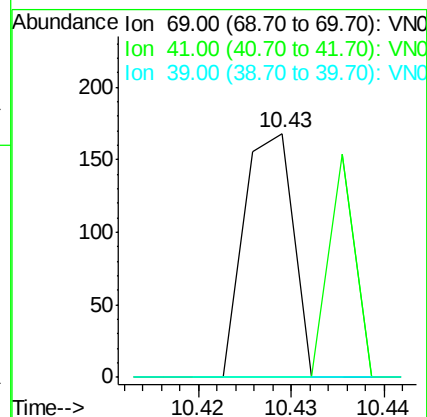
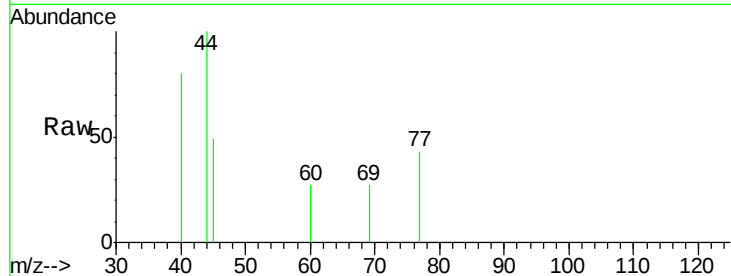
Delta R.T. 0.00 min

Lab File: VN053905.D

Acq: 22 Feb 2019 10:13

Tot Ion: 69 Resp: 62

Ion	Ratio	Lower	Upper
69	100		
41	48.4	47.5	71.3
39	0.0	23.4	35.0#



#59

2-Hexanone

Concen: 0.634 ug/l

RT: 10.76 min Scan# 2794

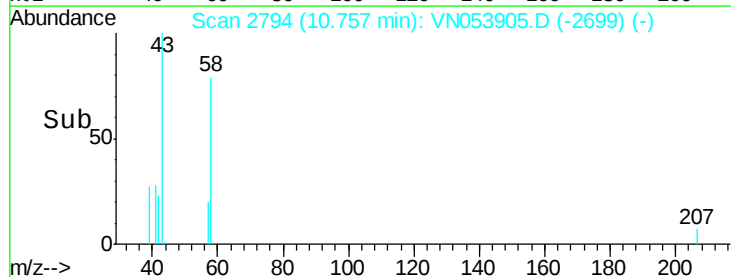
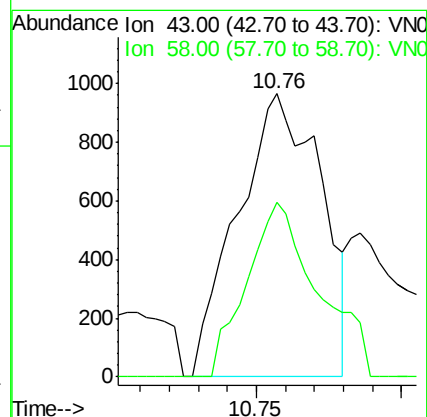
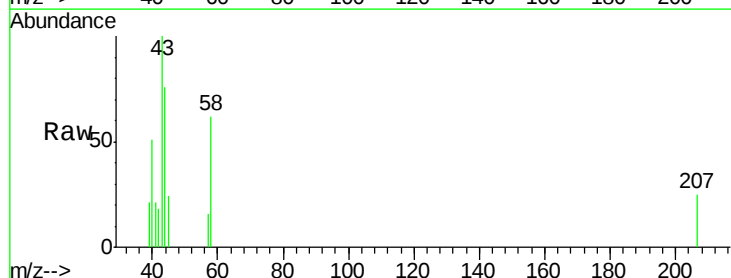
Delta R.T. 0.01 min

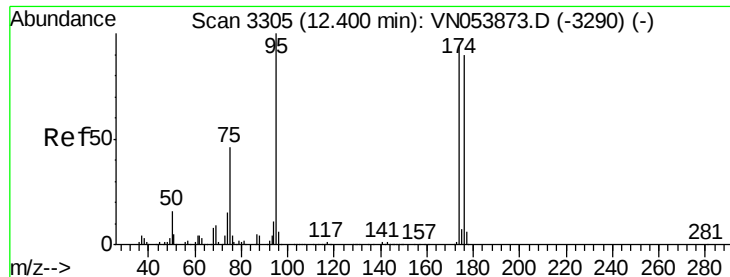
Lab File: VN053905.D

Acq: 22 Feb 2019 10:13

Tgt Ion: 43 Resp: 1933

Ion	Ratio	Lower	Upper
43	100		
58	52.7	29.1	87.4





#62

4-Bromofluorobenzene

Concen: 50.217 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053905.D

Acq: 22 Feb 2019 10:13

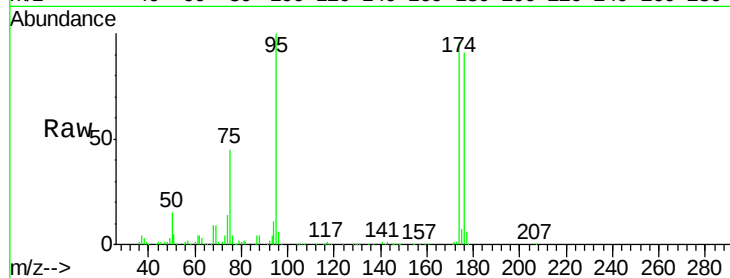
Tot Ion: 95 Resp: 390648

Ion Ratio Lower Upper

95 100

174 96.0 0.0 188.8

176 91.3 0.0 182.6

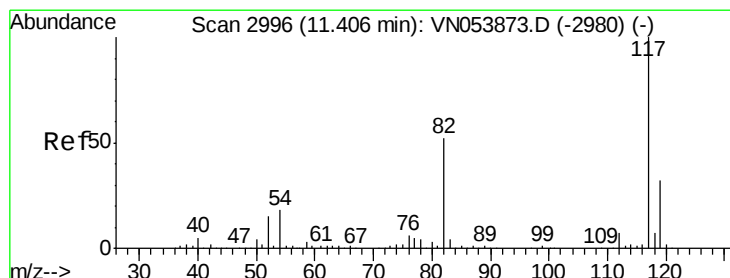
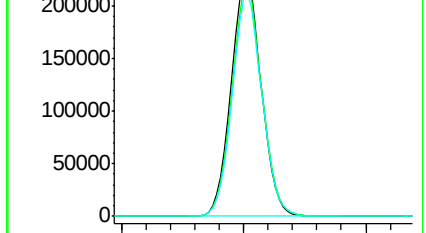
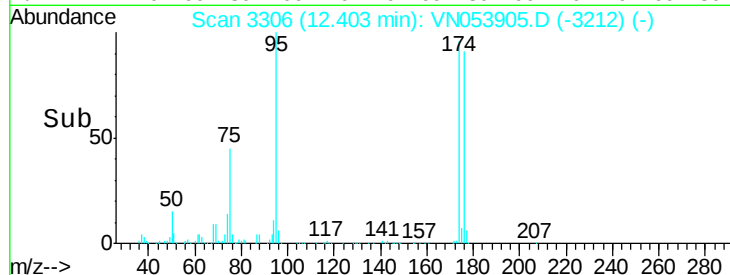


Abundance Ion 94.90 (94.60 to 95.60): VN053873.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053873.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053873.D (-3290) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053905.D

Acq: 22 Feb 2019 10:13

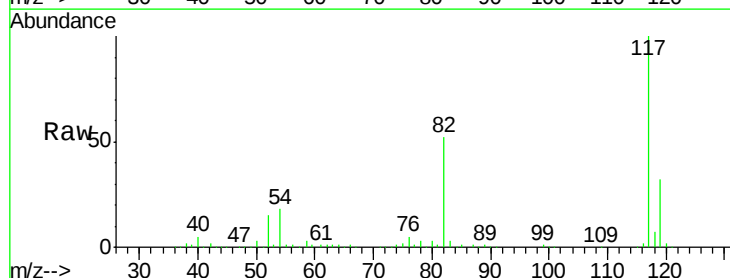
Tgt Ion: 117 Resp: 929863

Ion Ratio Lower Upper

117 100

82 51.5 41.4 62.2

119 32.1 25.3 37.9

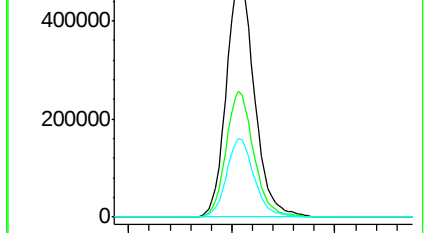
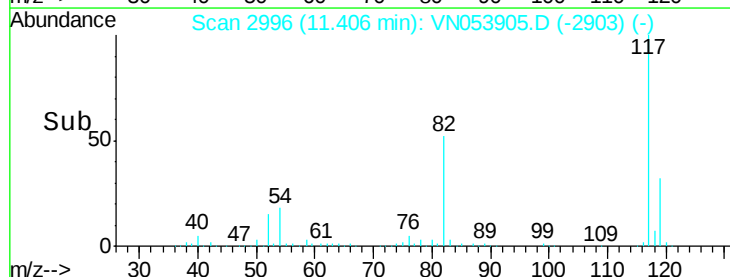


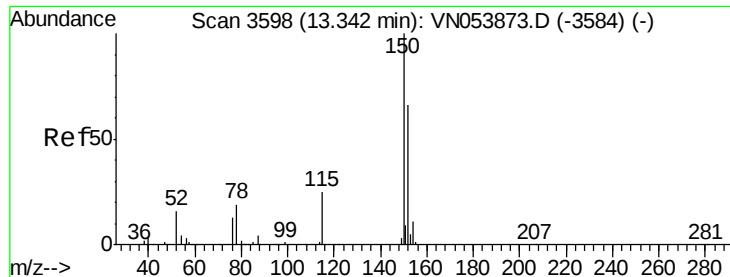
Abundance Ion 116.90 (116.60 to 117.60): VN053873.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053873.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053873.D (-2980) (-)

Time--> 11.30 11.40 11.50

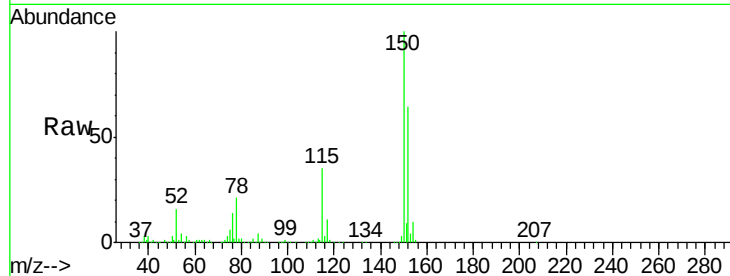




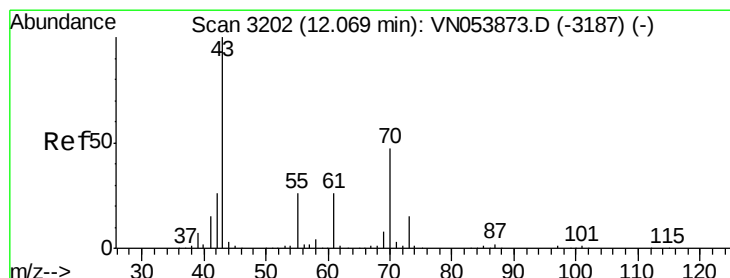
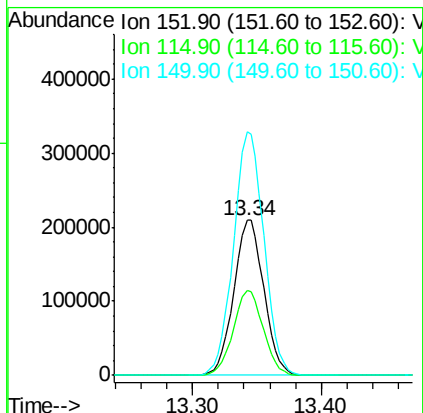
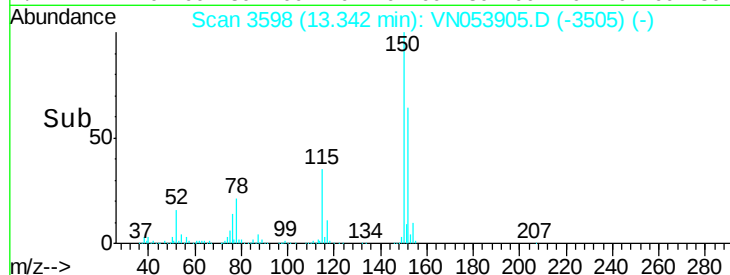
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053905.D
Acq: 22 Feb 2019 10:13

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.2	81.6
150	158.7	0.0	348.2



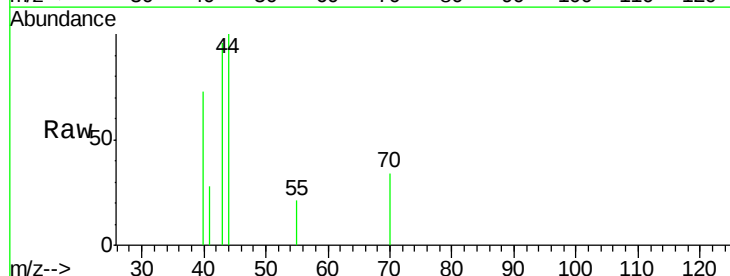
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



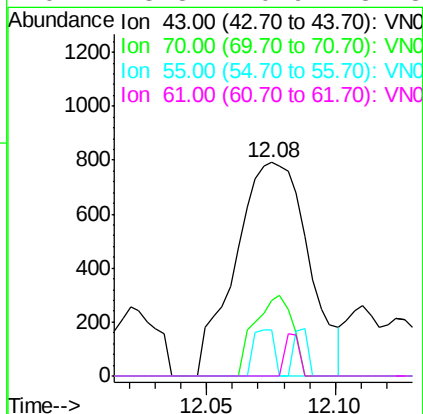
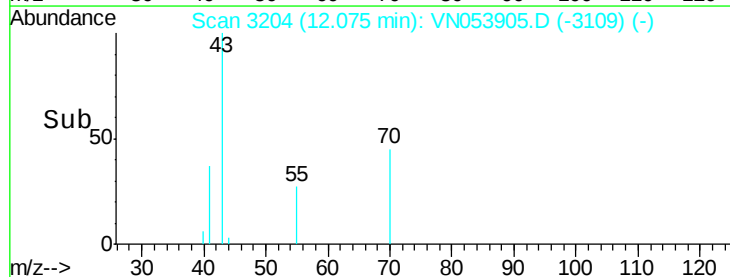
#74

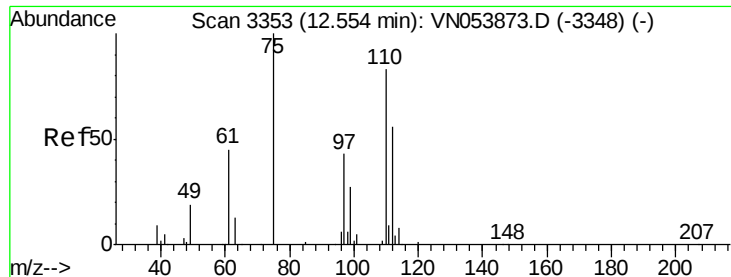
N-ethyl acetate
Concen: 0.285 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.01 min
Lab File: VN053905.D
Acq: 22 Feb 2019 10:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	19.6	37.4	56.2#
55	6.1	21.4	32.0#
61	3.8	20.9	31.3#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 35.675 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053905.D

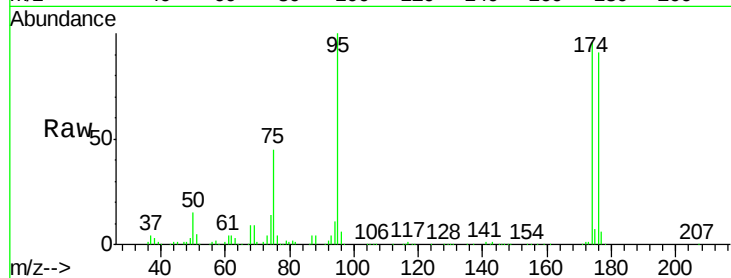
Acq: 22 Feb 2019 10:13

Tot Ion: 75 Resp: 177797

Ion Ratio Lower Upper

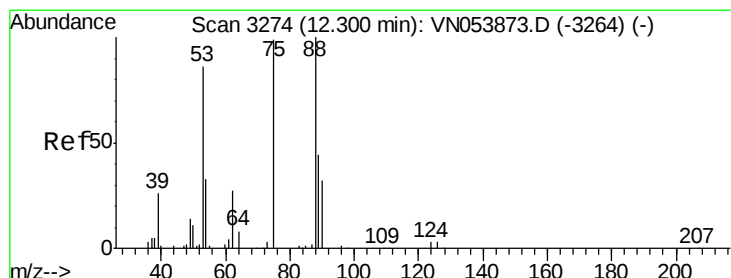
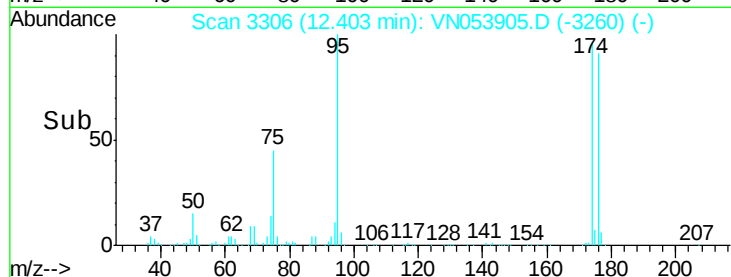
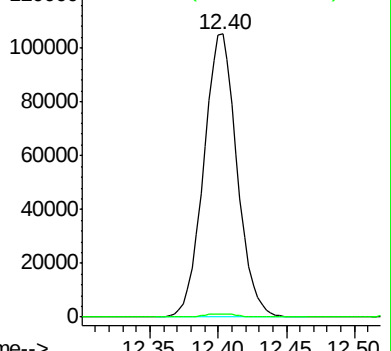
75 100

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: 117.774 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053905.D

Acq: 22 Feb 2019 10:13

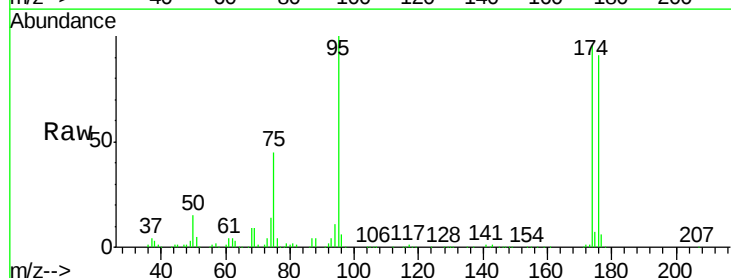
Tgt Ion: 75 Resp: 177797

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

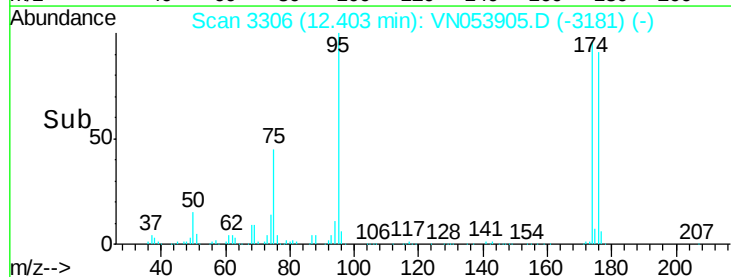
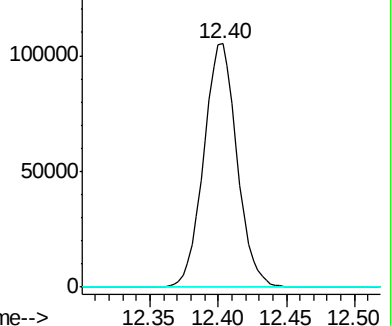
89 0.0 35.3 52.9#

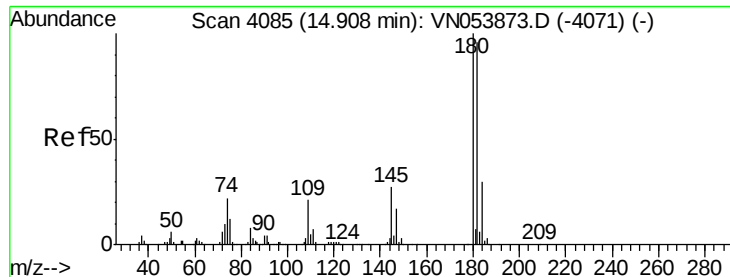


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

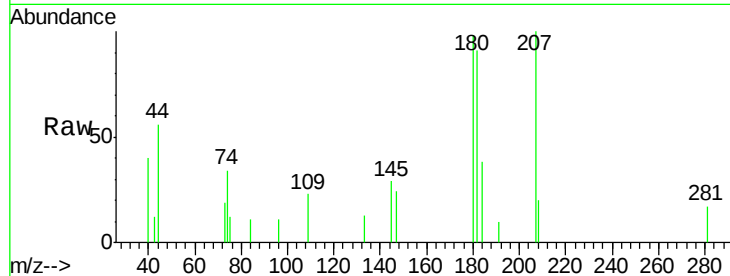
Ion 88.90 (88.60 to 89.60): VN0



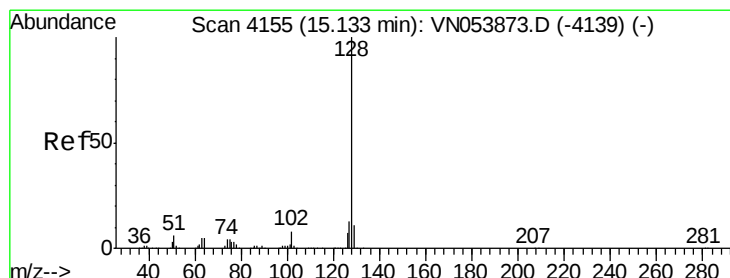
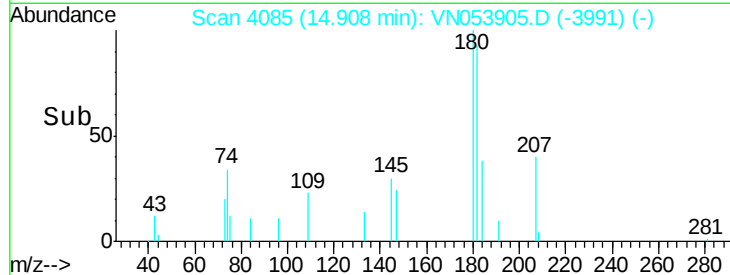
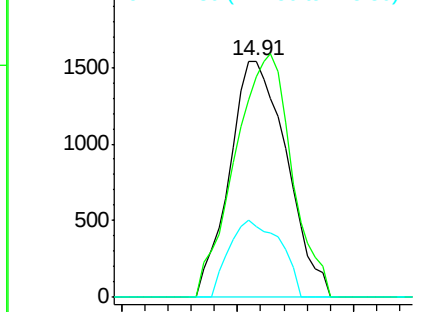


#93
 1,2,4-Trichlorobenzene
 Concen: 3.299 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053905.D
 Acq: 22 Feb 2019 10:13

Tot Ion:180 Resp: 2629
 Ion Ratio Lower Upper
 180 100
 182 103.2 48.6 145.9
 145 29.3 13.8 41.3

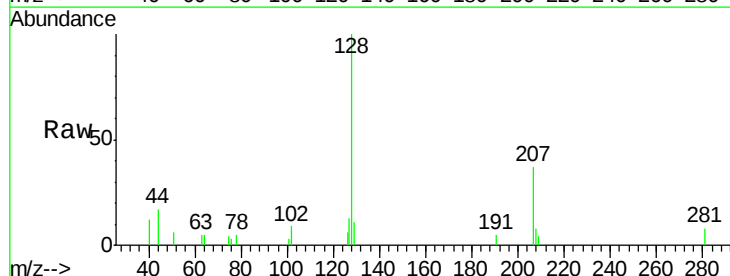


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

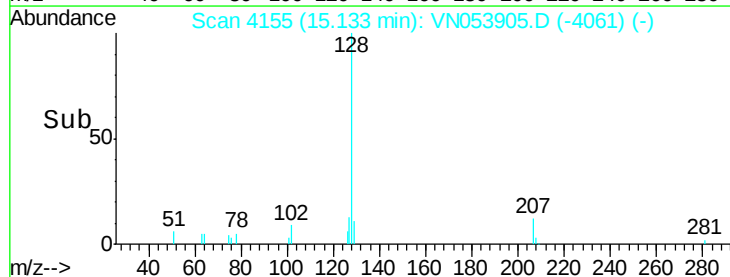
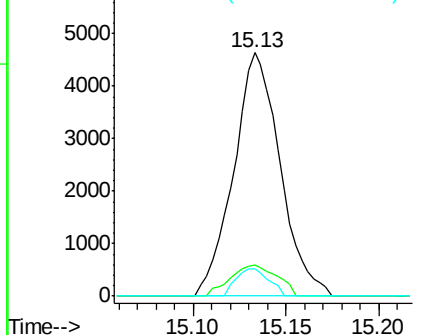


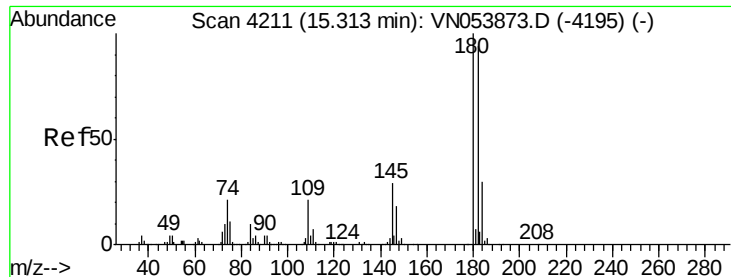
#95
 Naphthalene
 Concen: 5.158 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053905.D
 Acq: 22 Feb 2019 10:13

Tgt Ion:128 Resp: 8102
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.2 15.2
 129 7.8 8.6 12.8#



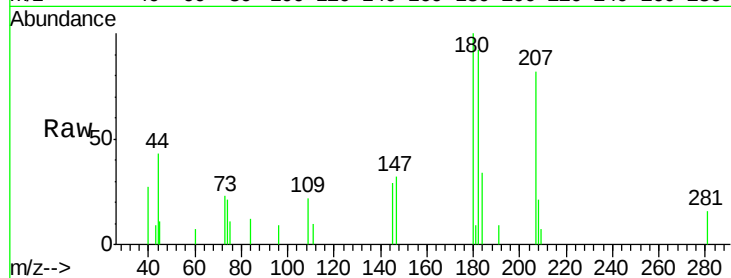
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.125 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053905.D
 Acq: 22 Feb 2019 10:13

Tot Ion	Ratio	Lower	Upper
180	100		
182	106.5	47.3	141.8
145	29.2	14.4	43.0



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

