

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011719\
 Data File : VN053454.D
 Acq On : 18 Jan 2019 00:00
 Operator : JC/SP
 Sample : PB116439ZHE#16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Quant Time: Jan 18 01:30:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	921667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1456548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1378575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	601043	50.00	ug/l	0.00

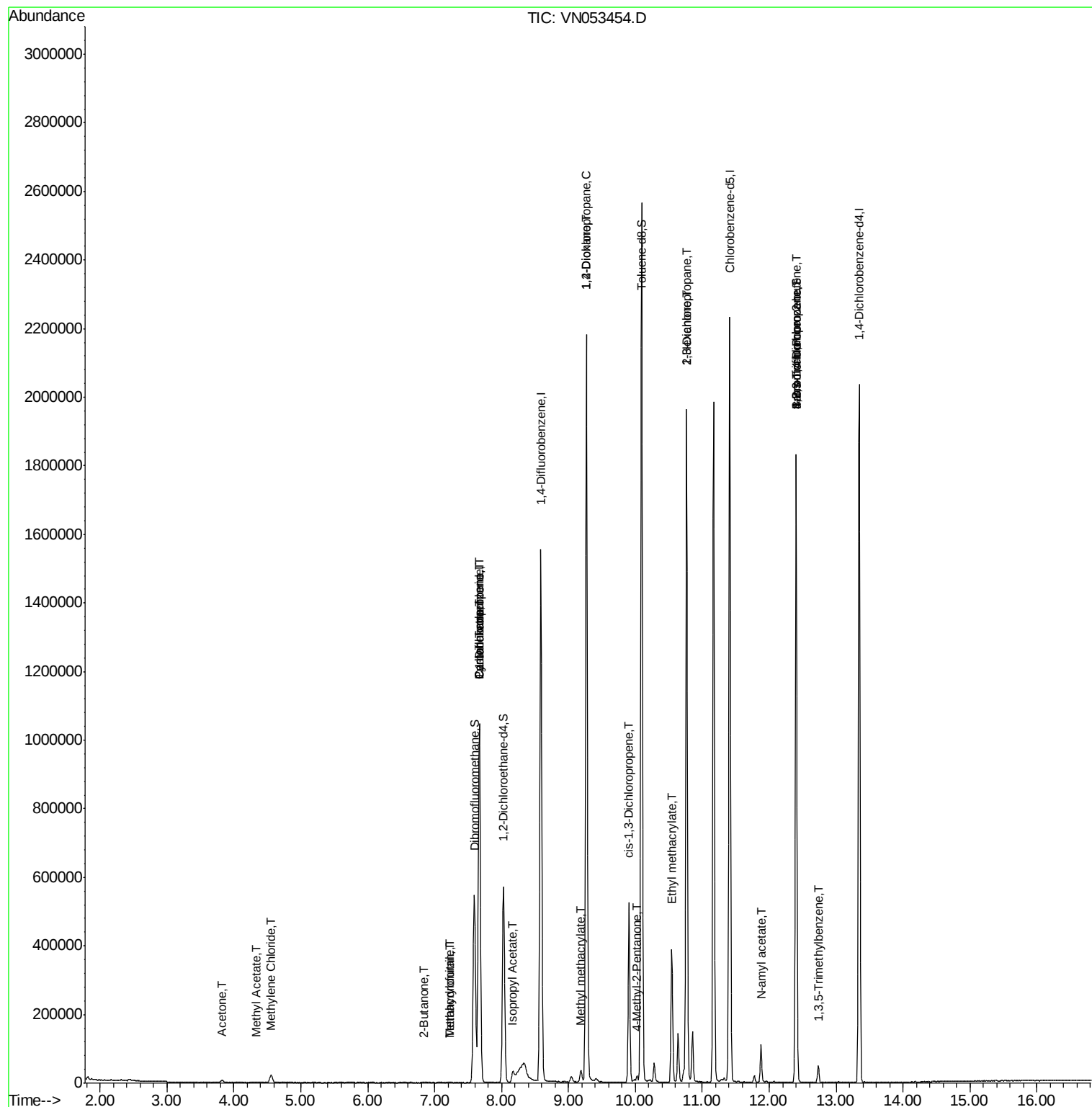
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	470151	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
35) Dibromofluoromethane	7.59	113	421862	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	10.09	98	1808264	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	622944	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	

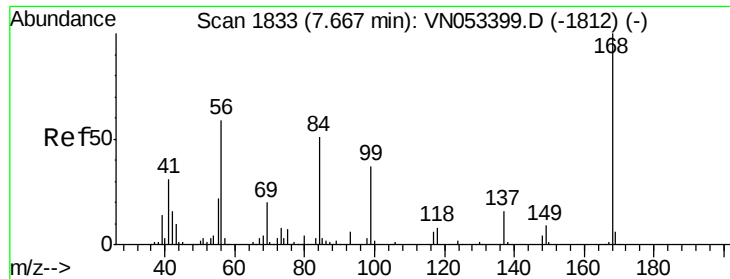
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	12088	5.656	ug/l	93
18) Methyl Acetate	4.33	43	3189	0.443	ug/l #	85
20) Methylene Chloride	4.56	84	16575	1.699	ug/l	94
25) 2-Butanone	6.84	43	2072	0.629	ug/l #	47
29) Tetrahydrofuran	7.22	42	1627	0.759	ug/l #	62
31) Cyclohexane	7.67	56	14393	0.678	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	59304	4.471	ug/l #	49
38) Carbon Tetrachloride	7.67	117	79641	6.342	ug/l #	16
41) Methacrylonitrile	7.22	41	708	0.822	ug/l #	20
43) Isopropyl Acetate	8.17	43	45993	3.352	ug/l #	80
45) 1,2-Dichloropropane	9.27	63	2862	0.268	ug/l #	43
48) Methyl methacrylate	9.18	41	12479	1.761	ug/l #	12
49) 1,4-Dioxane	9.26	88	127	1.835	ug/l #	23
51) 4-Methyl-2-Pentanone	10.02	43	14760	1.970	ug/l #	34
54) cis-1,3-Dichloropropene	9.91	75	97694	6.374	ug/l #	62
56) Ethyl methacrylate	10.54	69	1651	2.187	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	21347	1.430	ug/l #	43
59) 2-Hexanone	10.76	43	278275	52.917	ug/l #	50
71) Bromoform	12.40	173	4221	0.604	ug/l #	1
74) N-amyl acetate	11.88	43	32108	2.736	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	288603	36.437	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	25381	0.709	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	288603	90.074	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 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: VN053454.D

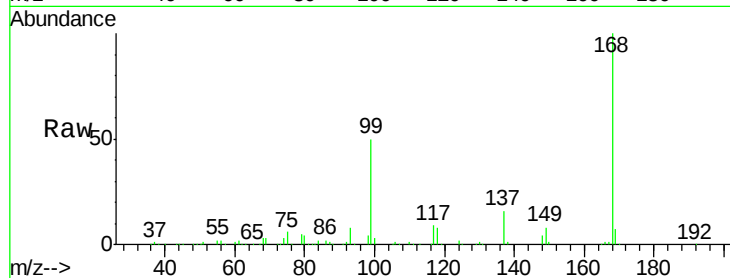
Acq: 18 Jan 2019 00:00

Tot Ion:168 Resp: 921667

Ion Ratio Lower Upper

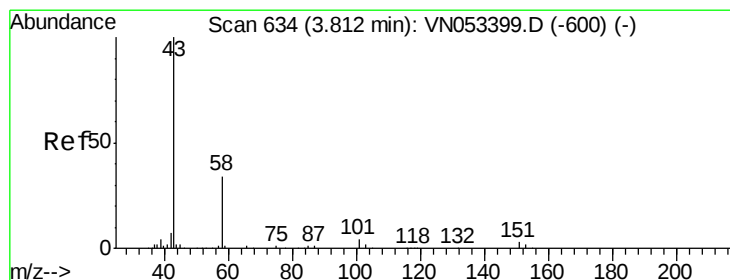
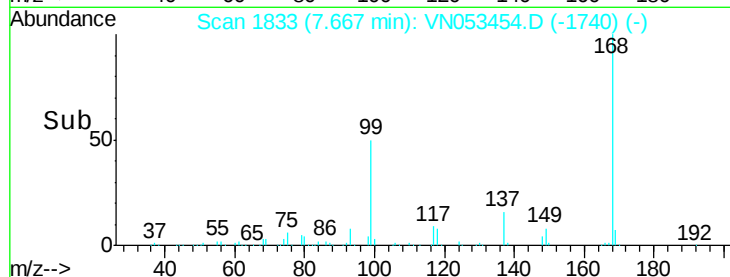
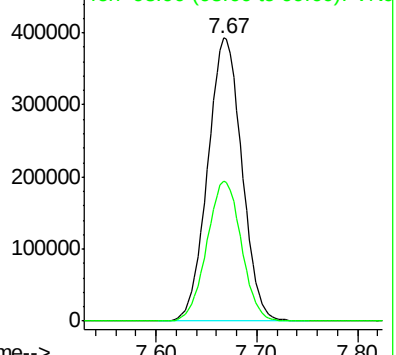
168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 5.656 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053454.D

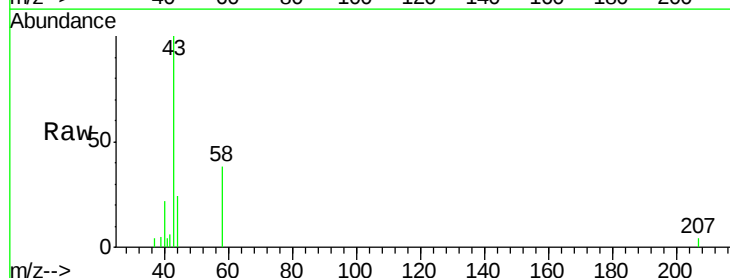
Acq: 18 Jan 2019 00:00

Tgt Ion: 43 Resp: 12088

Ion Ratio Lower Upper

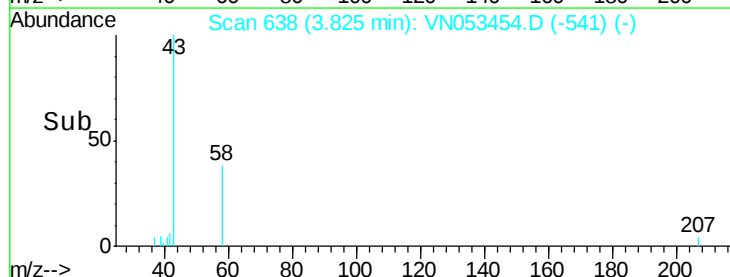
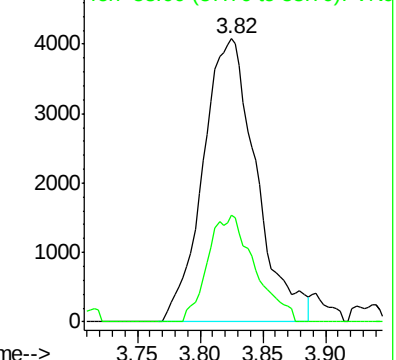
43 100

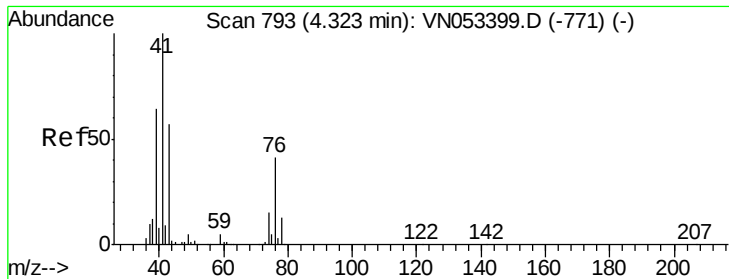
58 37.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

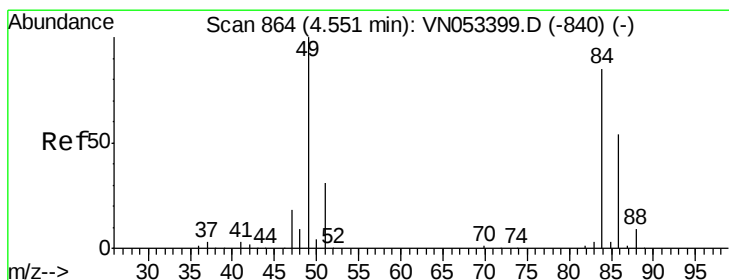
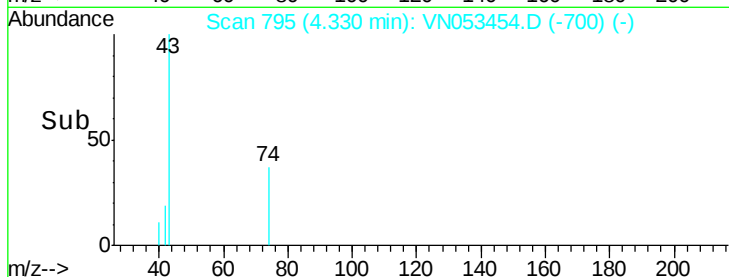
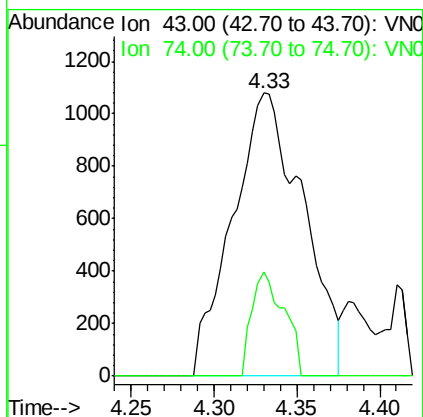
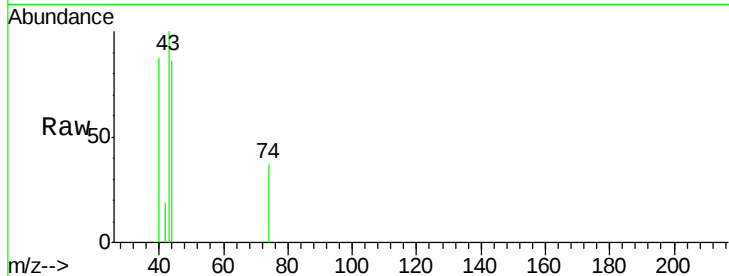
Ion 58.00 (57.70 to 58.70): VNO





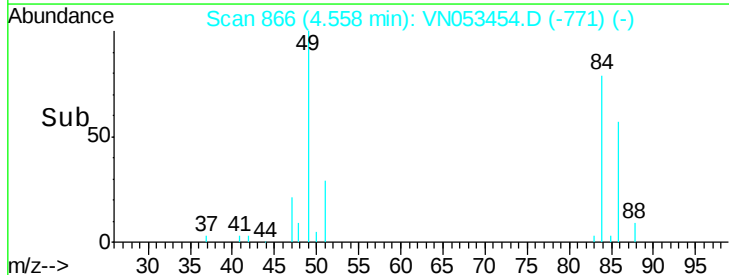
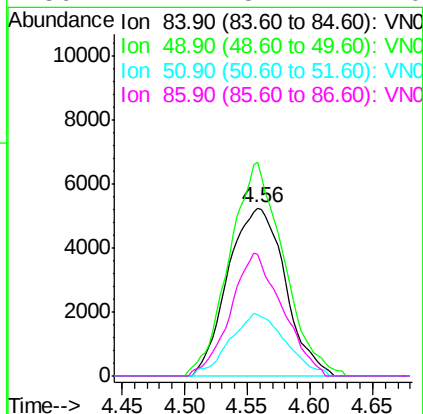
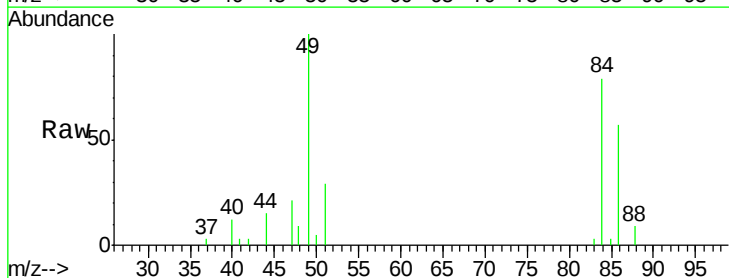
#18
Methvl Acetate
Concen: 0.443 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

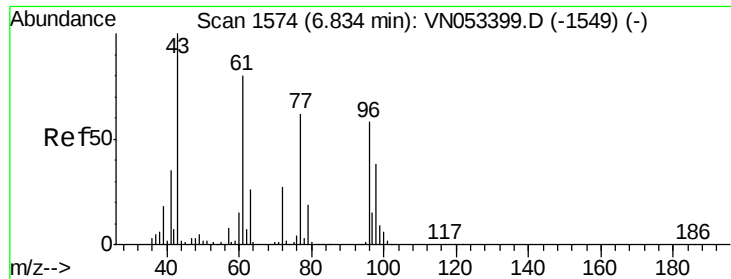
Tot Ion: 43 Resp: 3189
Ion Ratio Lower Upper
43 100
74 16.7 19.4 29.2#



#20
Methylene Chloride
Concen: 1.699 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

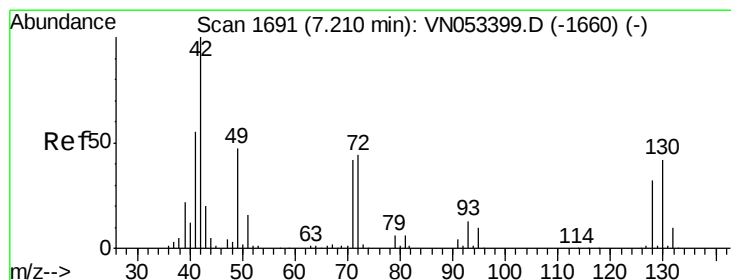
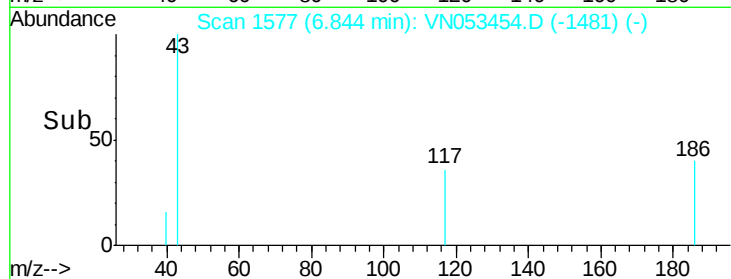
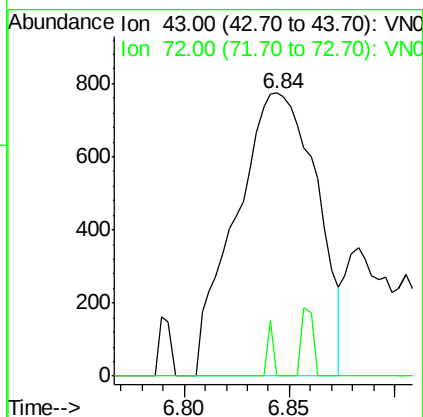
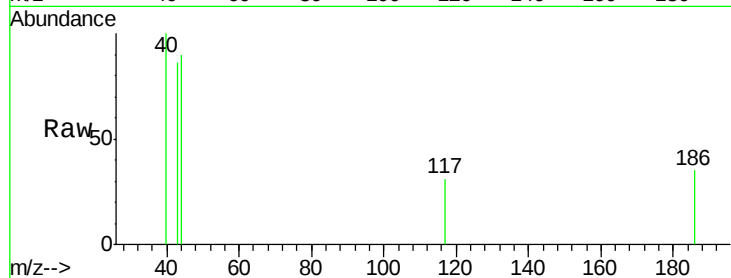
Tgt Ion: 84 Resp: 16575
Ion Ratio Lower Upper
84 100
49 124.0 94.3 141.5
51 36.7 29.4 44.2
86 72.7 51.4 77.0





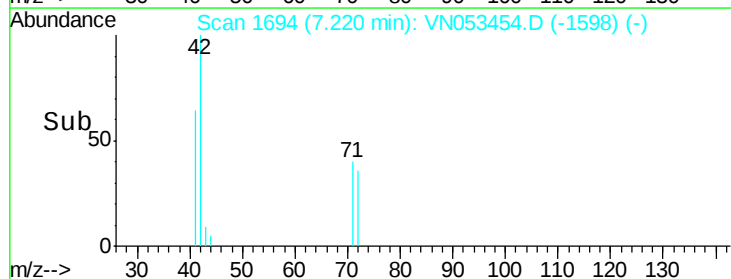
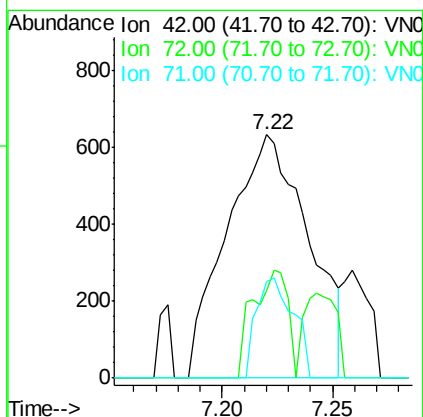
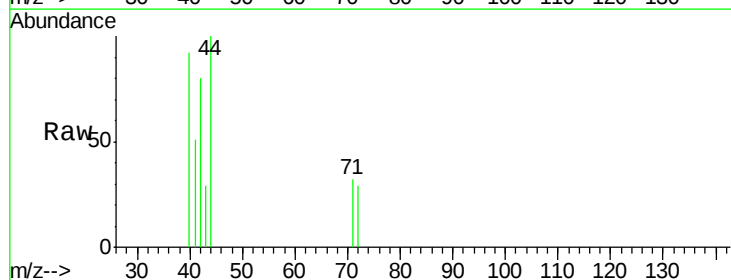
#25
2-Butanone
Concen: 0.629 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

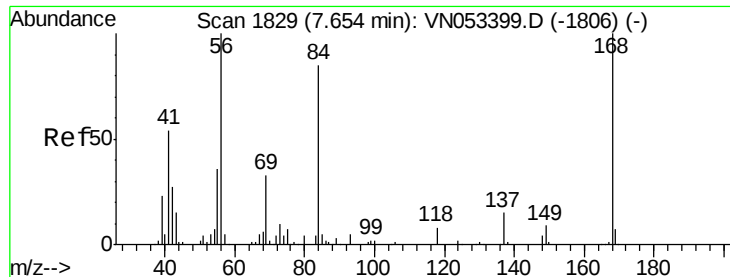
Tot Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#



#29
Tetrahydrofuran
Concen: 0.759 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

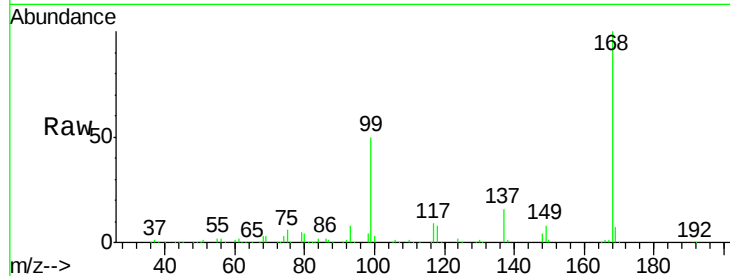
Tgt Ion: 42 Resp: 1627
Ion Ratio Lower Upper
42 100
72 18.7 35.2 52.8#
71 18.6 33.0 49.4#



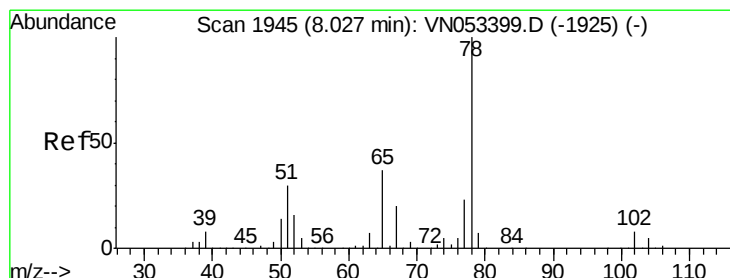
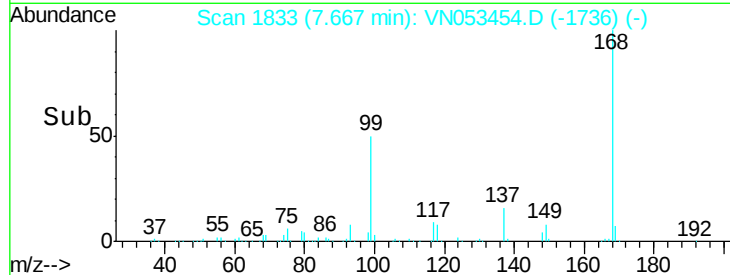
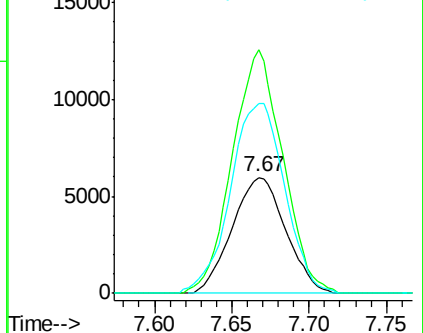


#31
Cyclohexane
Concen: 0.678 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

Tot Ion: 56 Resp: 14393
Ion Ratio Lower Upper
56 100
69 209.6 26.4 39.6#
84 163.5 67.9 101.9#

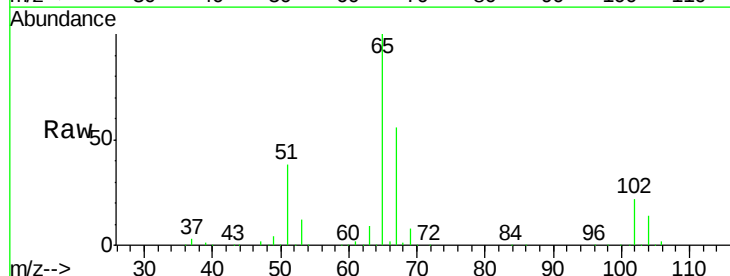


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

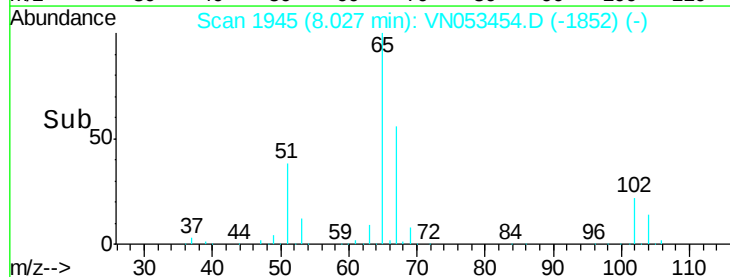
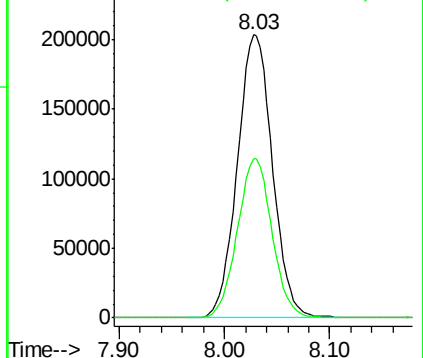


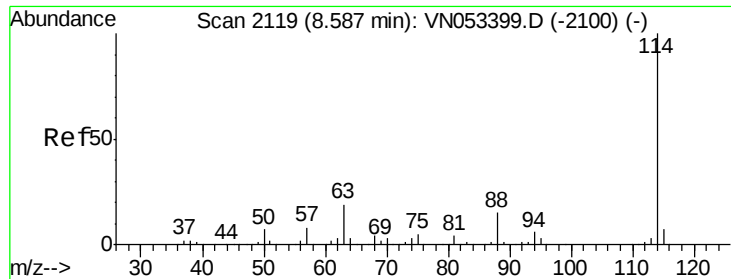
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

Tgt Ion: 65 Resp: 470151
Ion Ratio Lower Upper
65 100
67 55.7 0.0 111.2



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

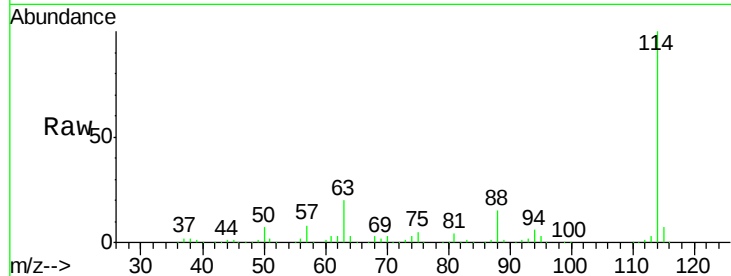




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053454.D
 Acq: 18 Jan 2019 00:00

Tot Ion:114 Resp: 1456548

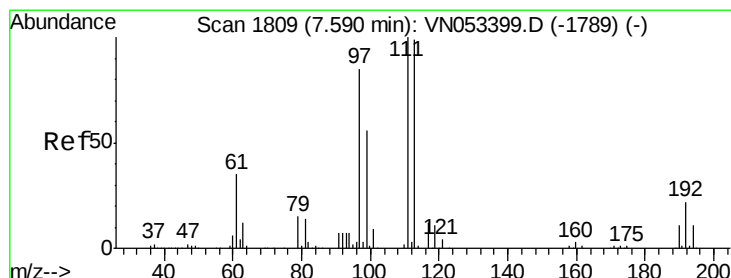
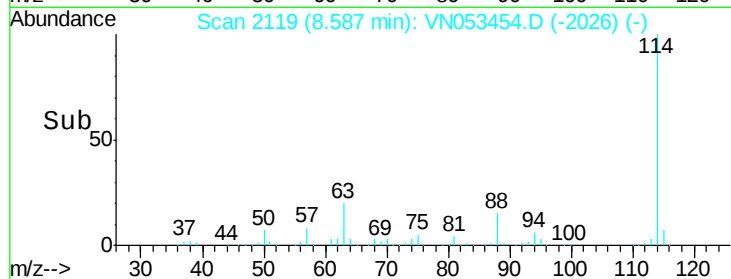
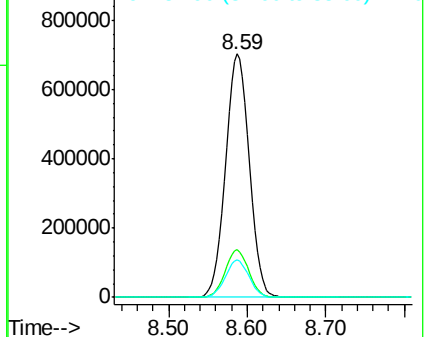
Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.6
88	15.3	0.0	30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

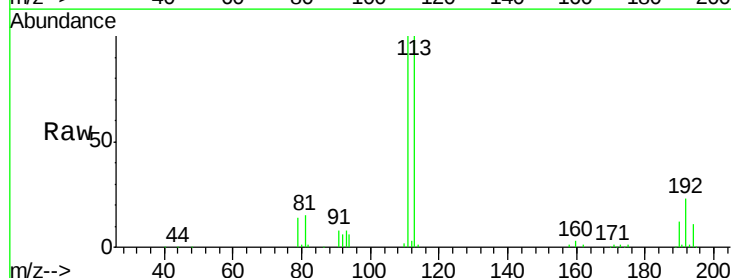
Ion 87.90 (87.60 to 88.60): VN



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053454.D
 Acq: 18 Jan 2019 00:00

Tgt Ion:113 Resp: 421862

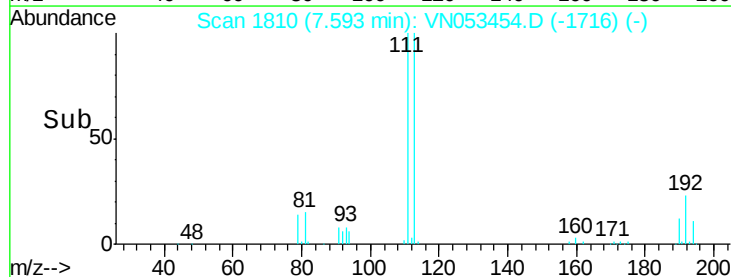
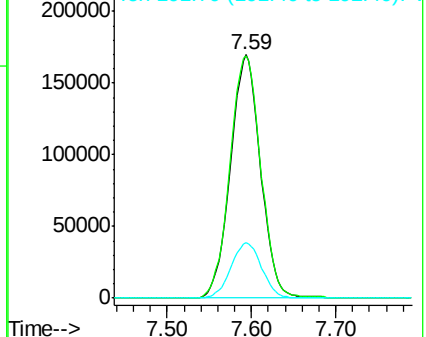
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	23.2	18.2	27.2

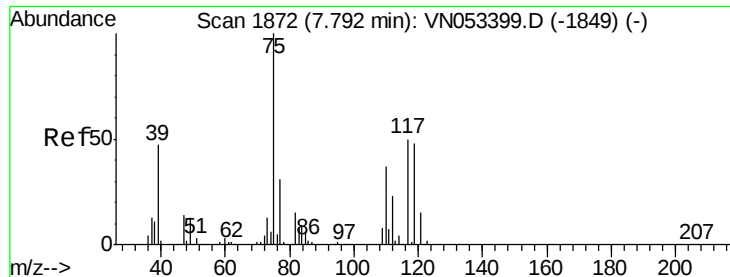


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.471 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053454.D

Acq: 18 Jan 2019 00:00

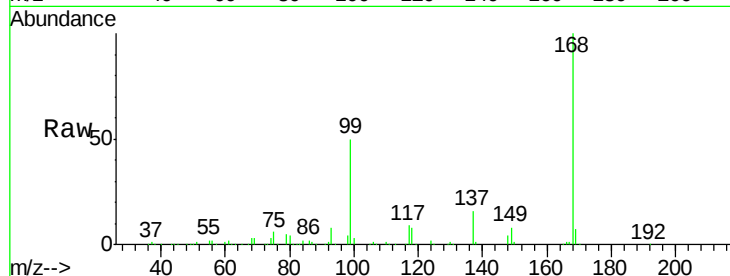
Tot Ion: 75 Resp: 59304

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

77 0.0 25.1 37.7#

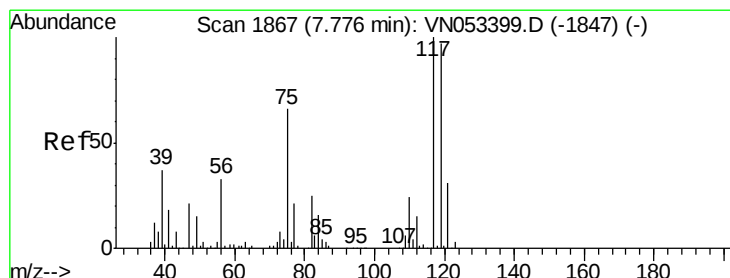
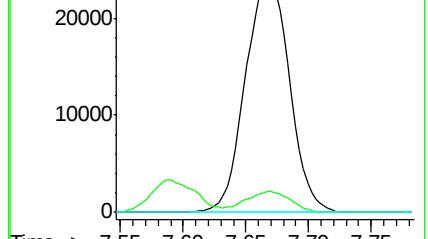
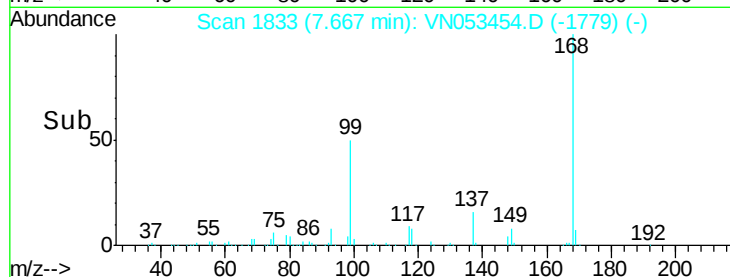


Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN053399.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN053399.D (-1849) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.342 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053454.D

Acq: 18 Jan 2019 00:00

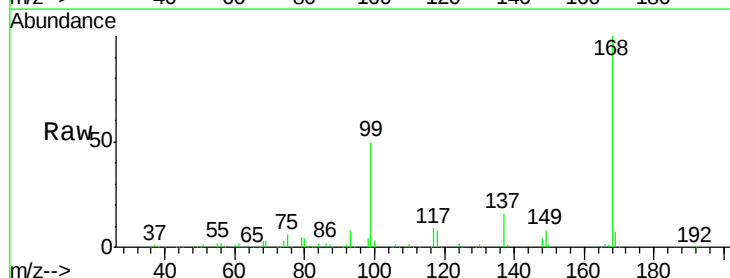
Tgt Ion: 117 Resp: 79641

Ion Ratio Lower Upper

117 100

119 5.2 77.2 115.8#

121 0.0 24.6 37.0#

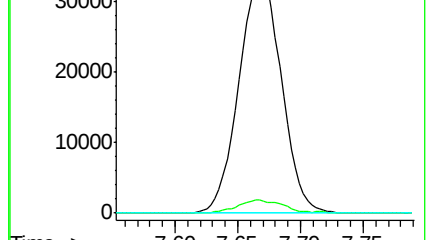
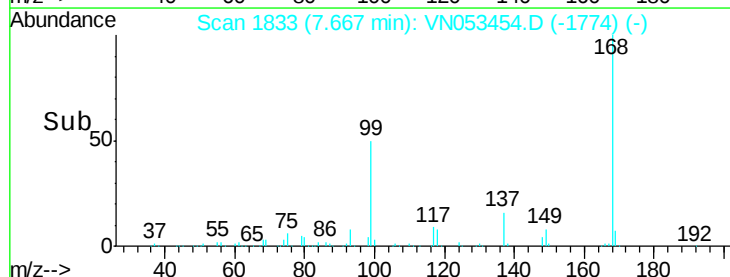


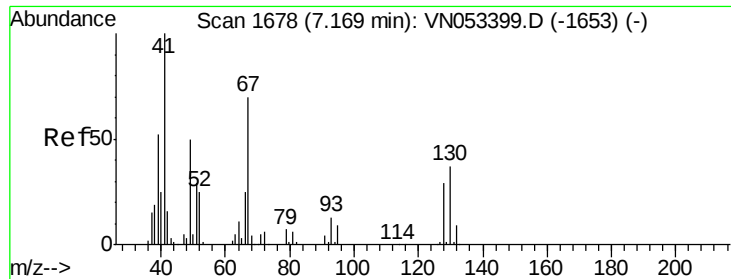
Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN053399.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN053399.D (-1847) (-)

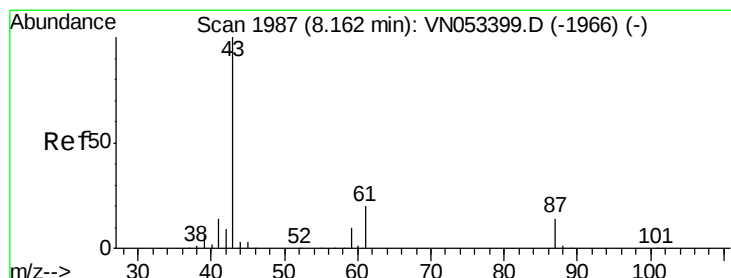
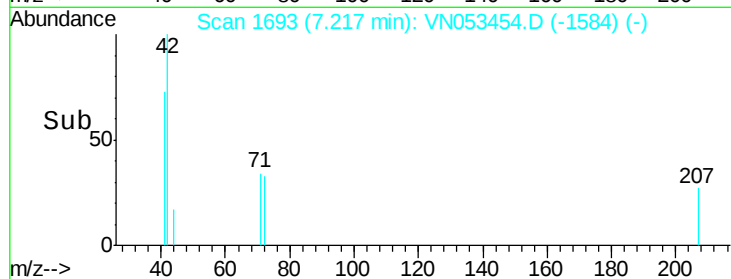
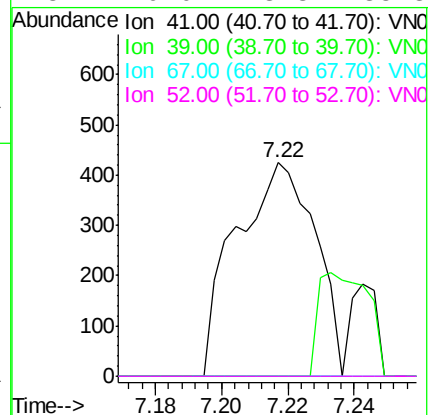
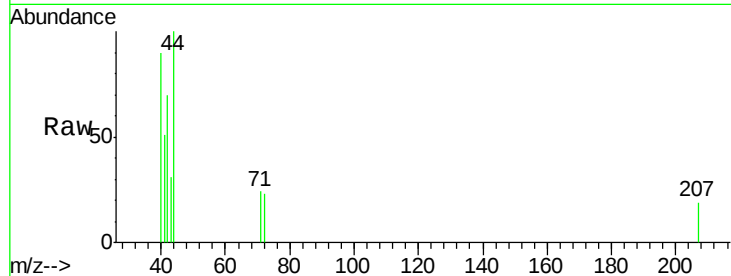
Time-->





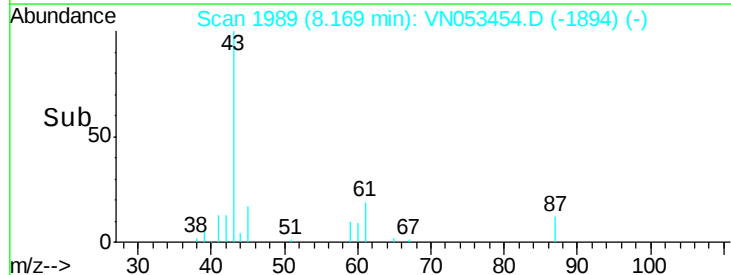
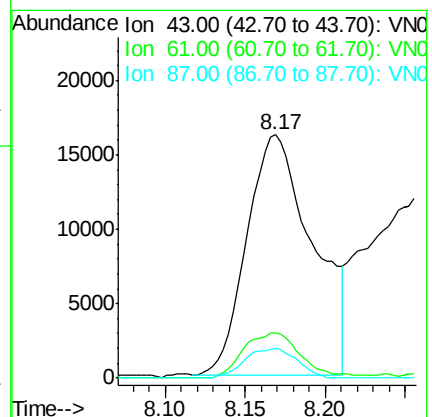
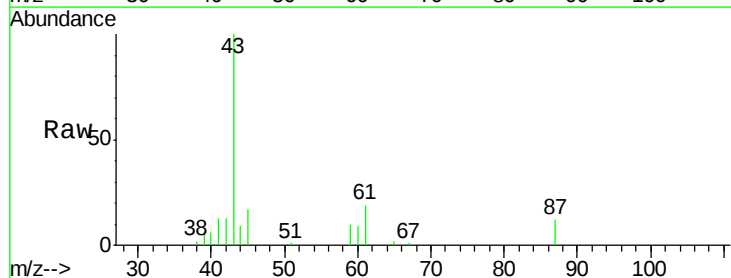
#41
Methacrylonitrile
Concen: 0.822 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.05 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

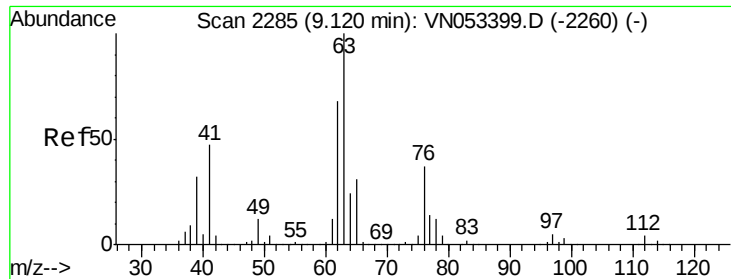
Tot Ion:	41	Resp:	708
Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.8	70.2#
67	0.0	63.0	94.6#
52	0.0	23.8	35.8#



#43
Isopropyl Acetate
Concen: 3.352 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

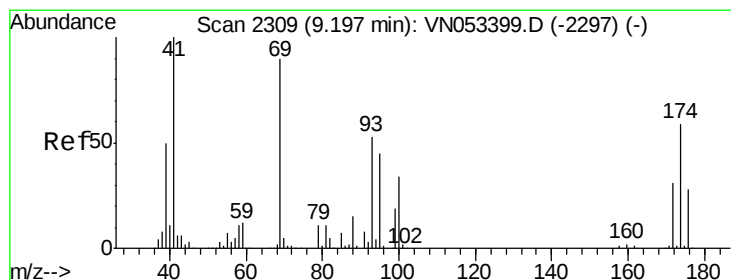
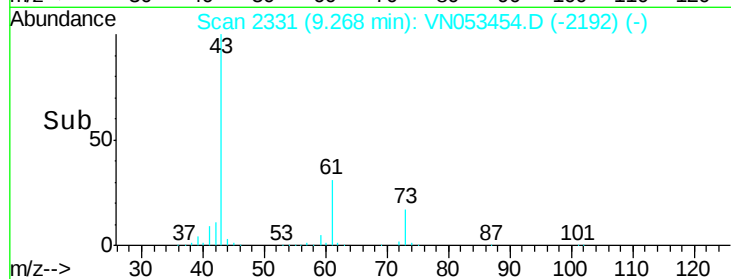
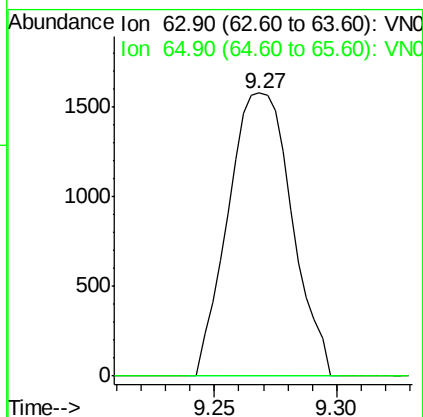
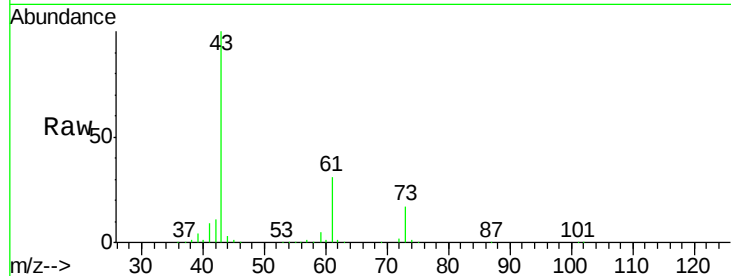
Tgt Ion:	43	Resp:	45993
Ion	Ratio	Lower	Upper
43	100		
61	16.5	23.9	35.9#
87	9.7	11.0	16.6#





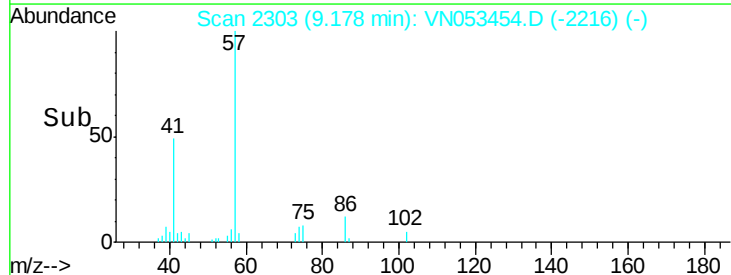
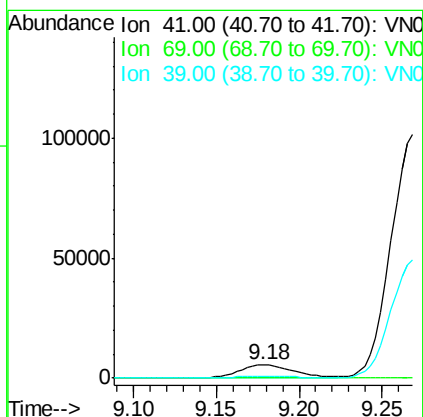
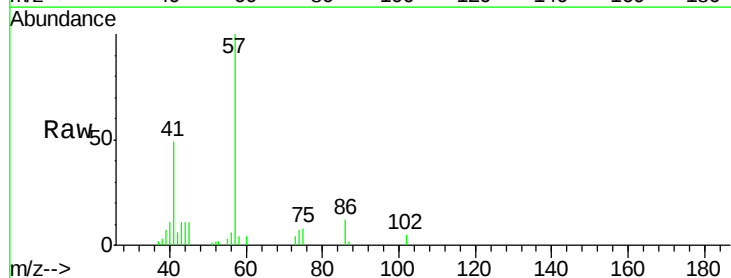
#45
 1,2-Dichloropropane
 Concen: 0.268 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN053454.D
 Acq: 18 Jan 2019 00:00

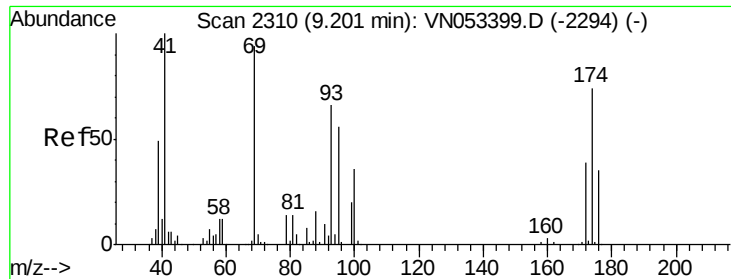
Tot Ion: 63 Resp: 2862
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.761 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN053454.D
 Acq: 18 Jan 2019 00:00

Tgt Ion: 41 Resp: 12479
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.8 110.6#
 39 0.0 40.0 60.0#





#49

1,4-Dioxane

Concen: 1.835 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN053454.D

Acq: 18 Jan 2019 00:00

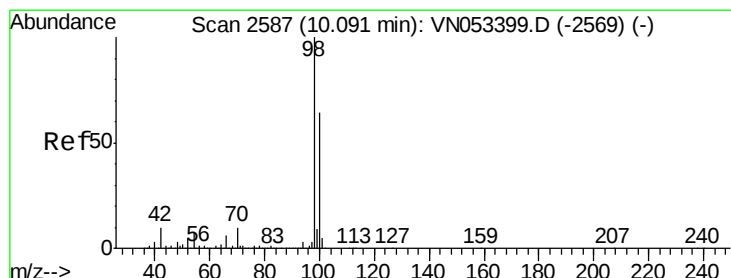
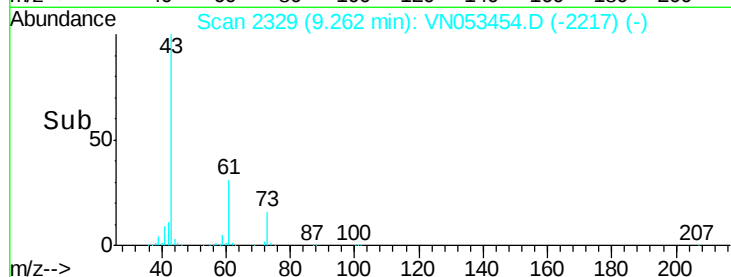
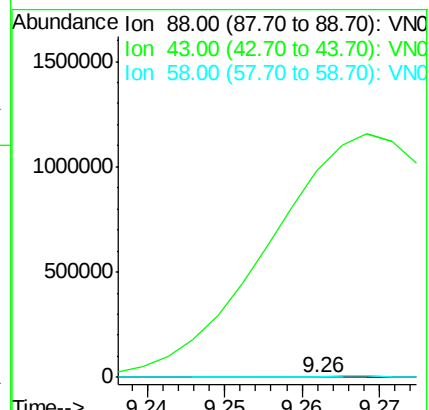
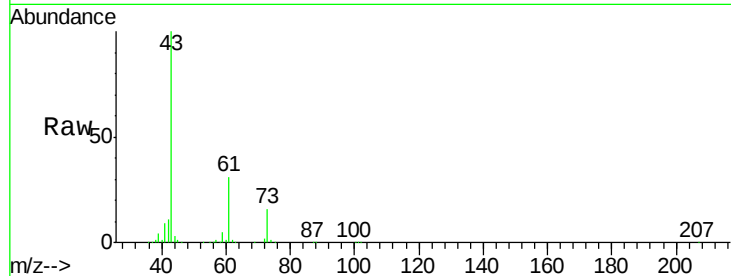
Tot Ion: 88 Resp: 127

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

58 0.0 56.5 84.7#



#50

Toluene-d8

Concen: 1.835 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053454.D

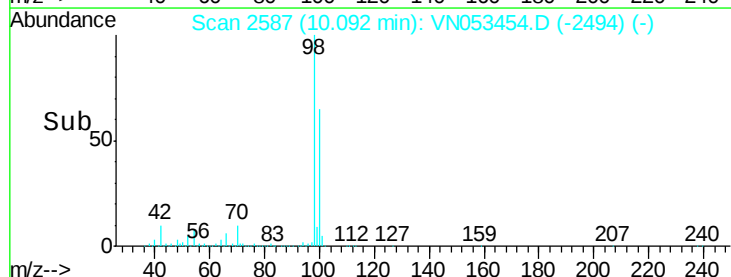
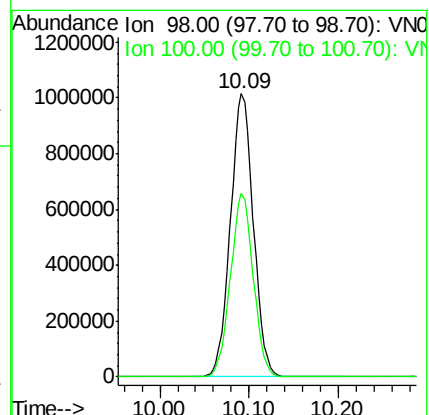
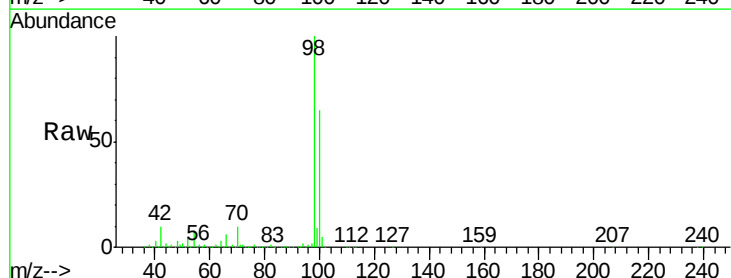
Acq: 18 Jan 2019 00:00

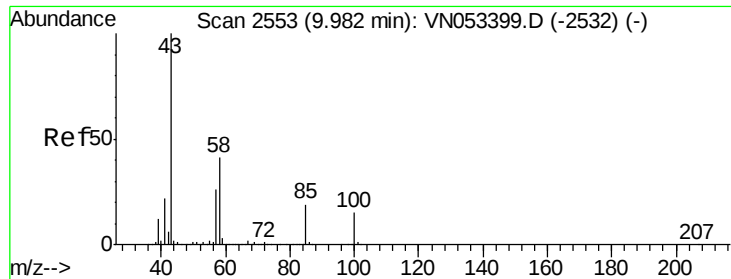
Tgt Ion: 98 Resp: 1808264

Ion Ratio Lower Upper

98 100

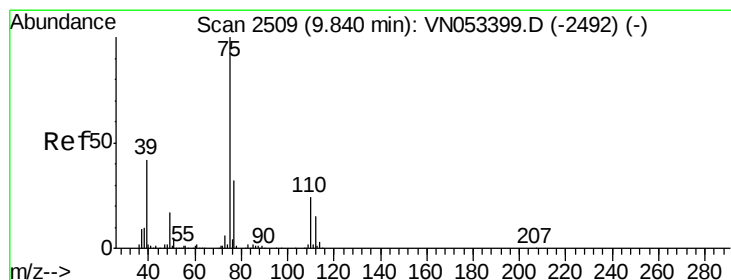
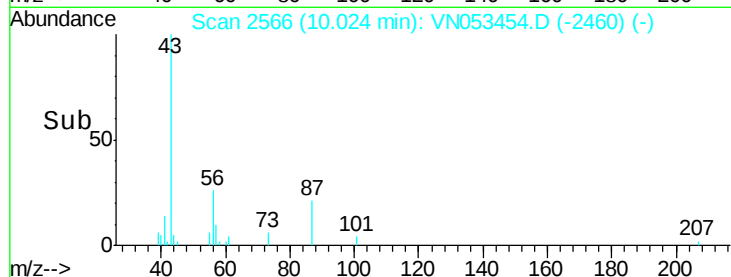
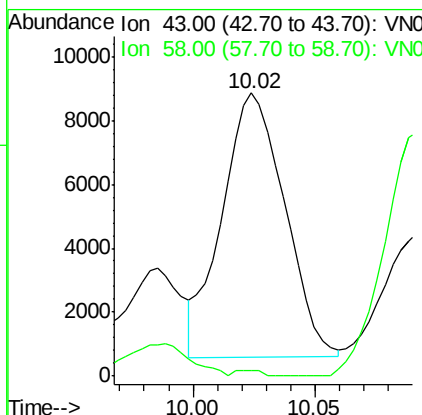
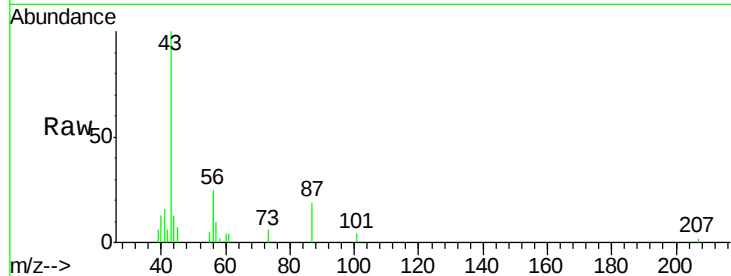
100 64.3 51.4 77.0





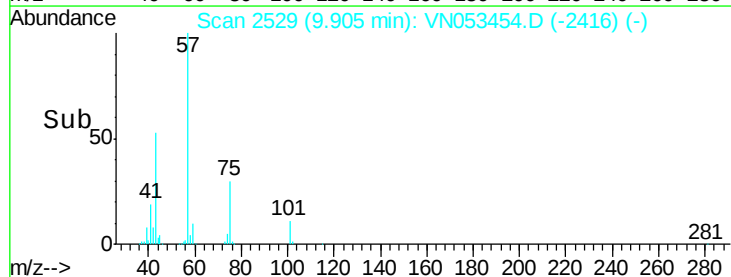
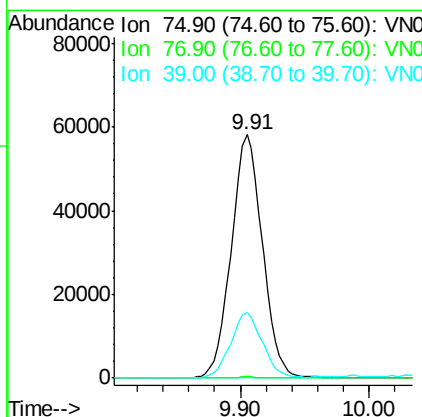
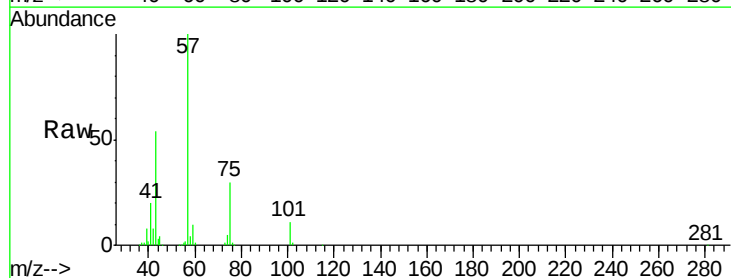
#51
4-Methyl-2-Pentanone
Concen: 1.970 ug/l
RT: 10.02 min Scan# 2566
Delta R.T. 0.04 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

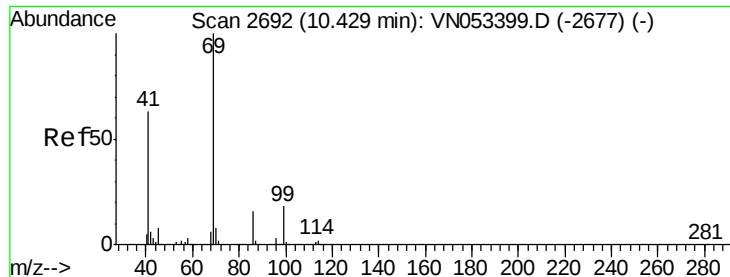
Tot Ion: 43 Resp: 14760
Ion Ratio Lower Upper
43 100
58 0.0 32.8 49.2#



#54
cis-1,3-Dichloropropene
Concen: 6.374 ug/l
RT: 9.91 min Scan# 2529
Delta R.T. 0.06 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

Tgt Ion: 75 Resp: 97694
Ion Ratio Lower Upper
75 100
77 0.5 25.8 38.6#
39 27.0 33.4 50.0#





#56

Ethyl methacrylate

Concen: 2.187 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN053454.D

Acq: 18 Jan 2019 00:00

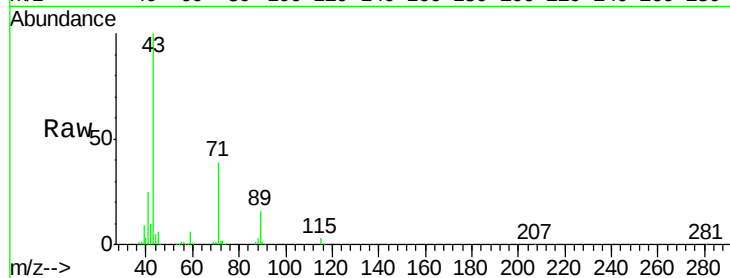
Tot Ion: 69 Resp: 1651

Ion Ratio Lower Upper

69 100

41 4167.6 49.4 74.0#

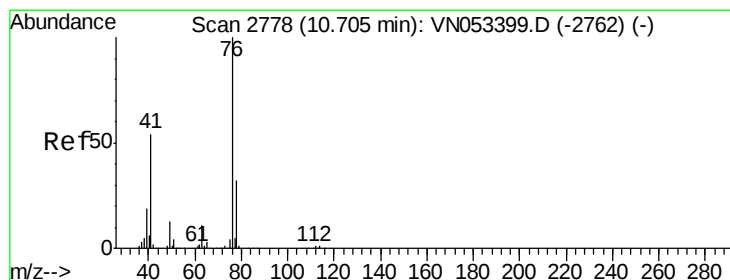
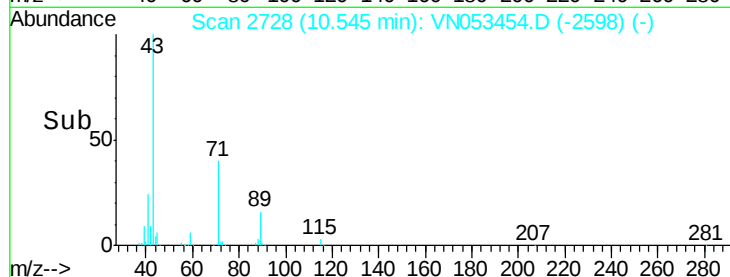
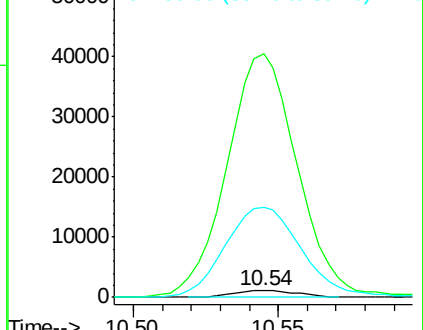
39 1665.5 23.3 34.9#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.430 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053454.D

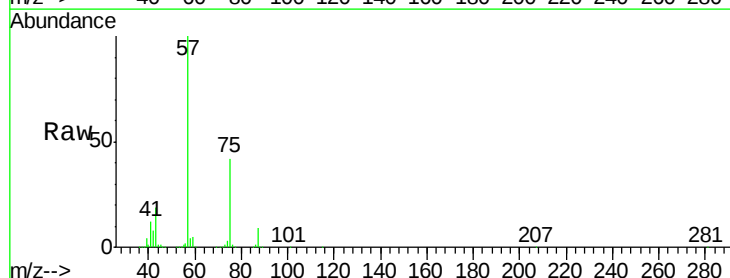
Acq: 18 Jan 2019 00:00

Tgt Ion: 76 Resp: 21347

Ion Ratio Lower Upper

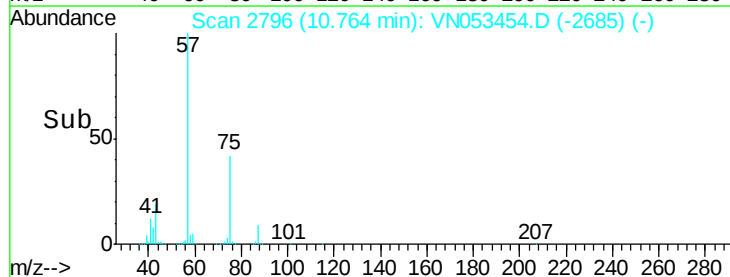
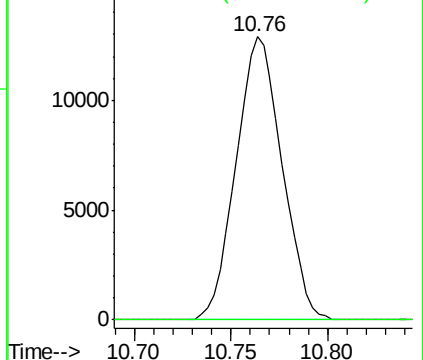
76 100

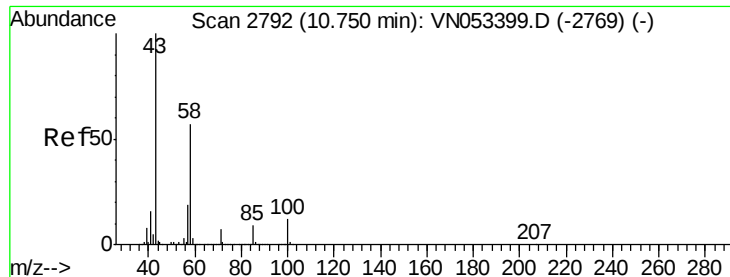
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

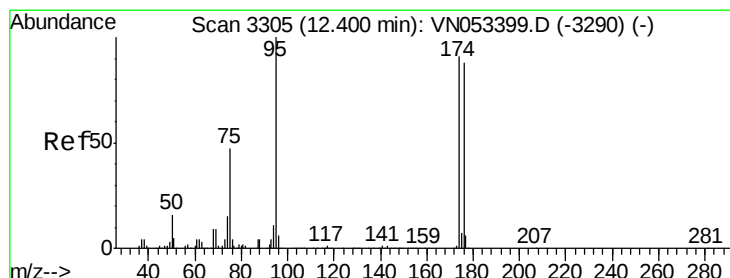
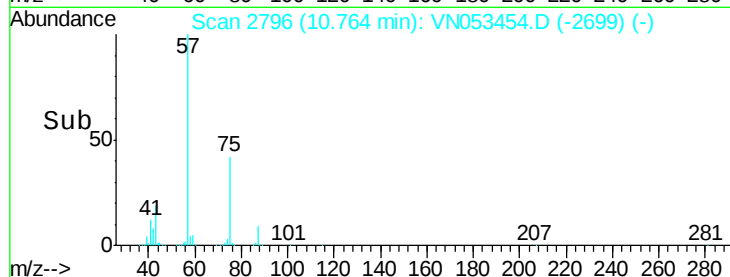
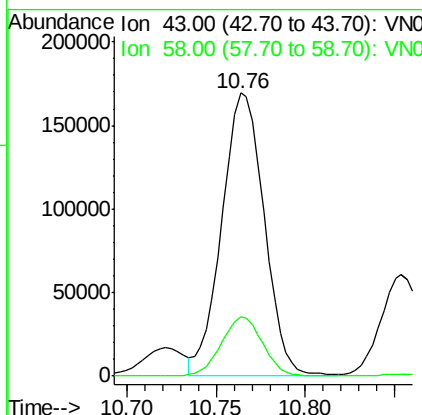
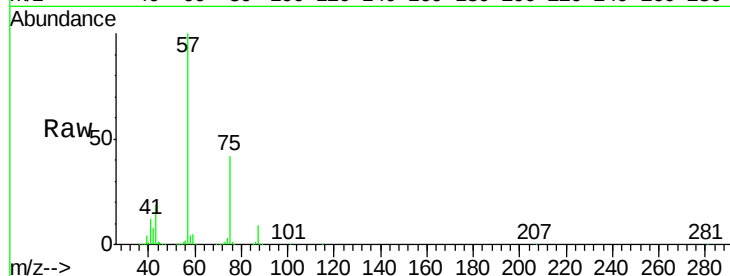
Ion 77.90 (77.60 to 78.60): VN0





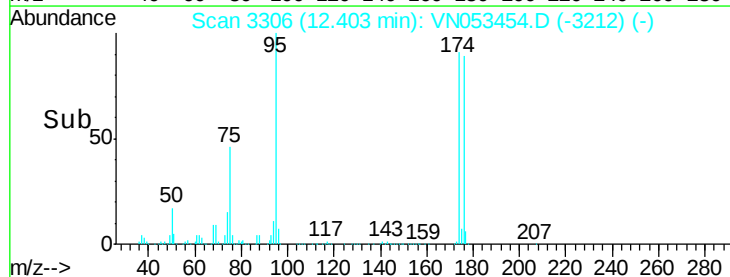
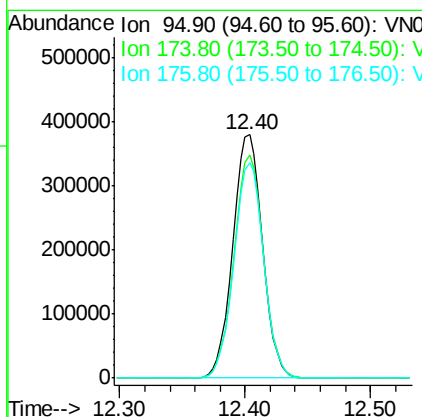
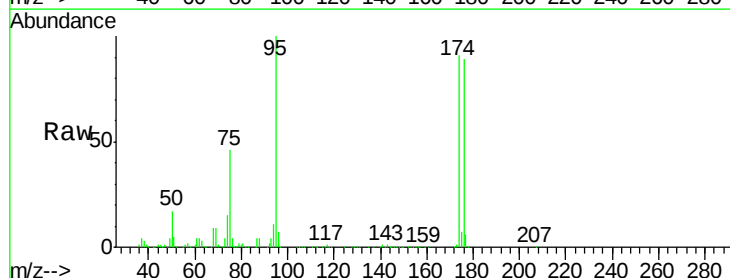
#59
2-Hexanone
Concen: 52.917 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

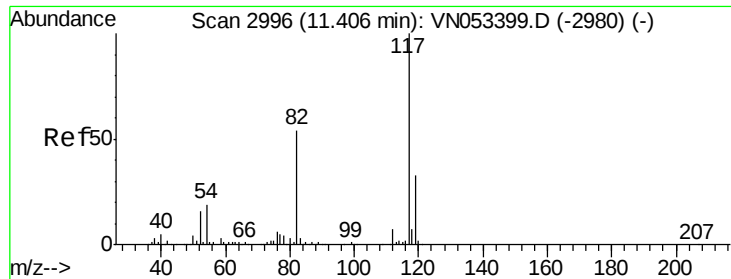
Tot Ion: 43 Resp: 278275
Ion Ratio Lower Upper
43 100
58 20.6 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

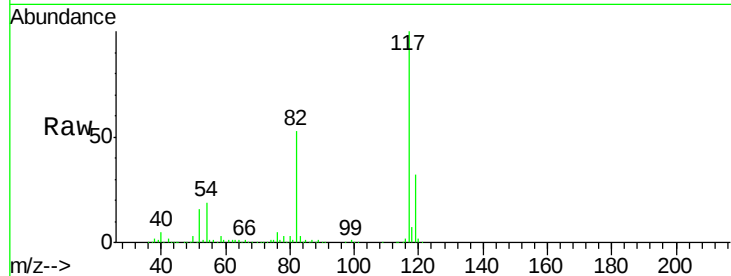
Tgt Ion: 95 Resp: 622944
Ion Ratio Lower Upper
95 100
174 91.4 0.0 183.2
176 88.7 0.0 177.4



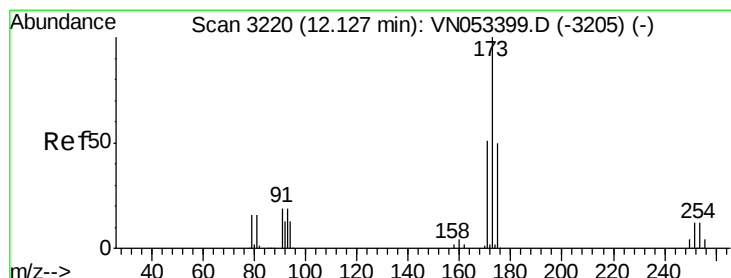
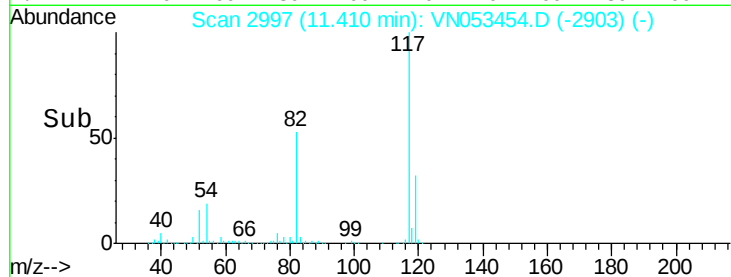
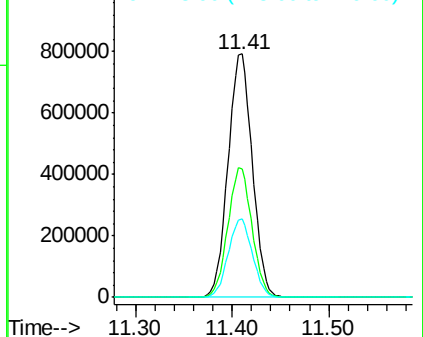


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

Tot Ion:117 Resp: 1378575
Ion Ratio Lower Upper
117 100
82 52.9 42.9 64.3
119 32.2 26.0 39.0

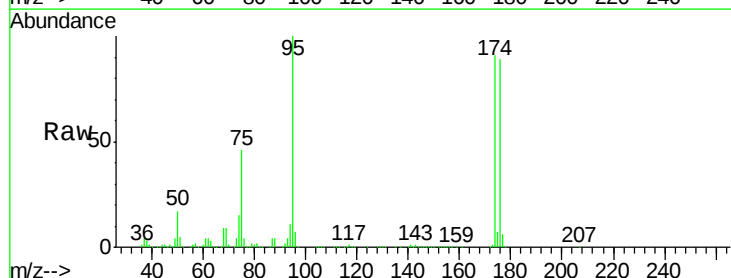


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

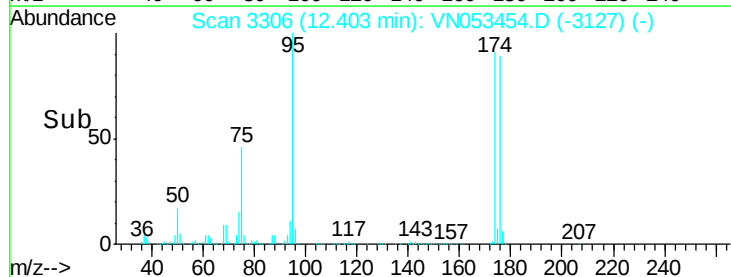
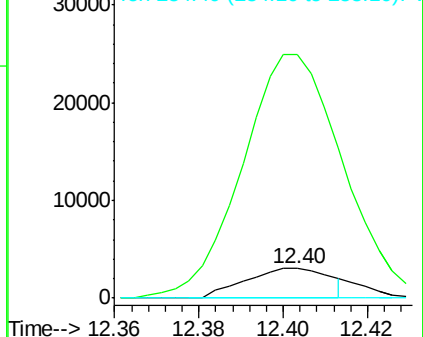


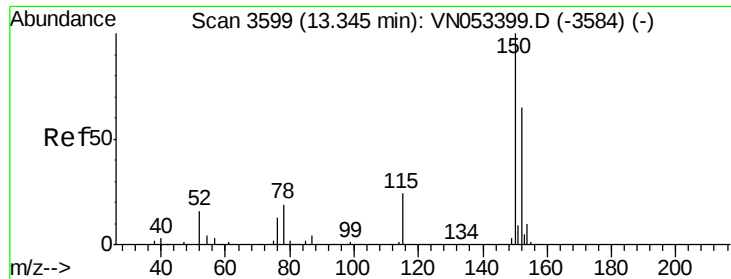
#71
Bromoform
Concen: 0.604 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

Tgt Ion:173 Resp: 4221
Ion Ratio Lower Upper
173 100
175 845.7 24.6 74.0#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

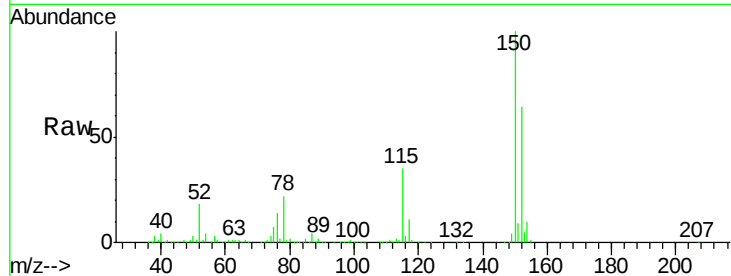




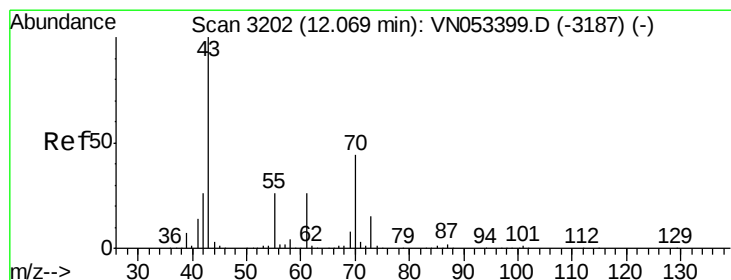
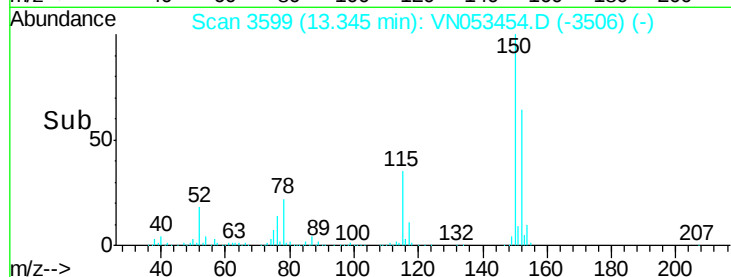
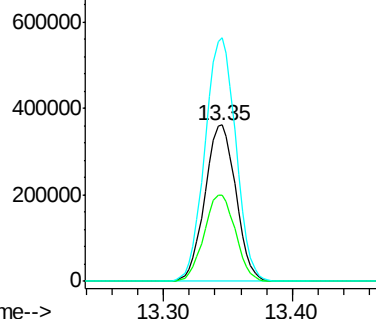
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.8	83.4
150	155.7	0.0	349.0



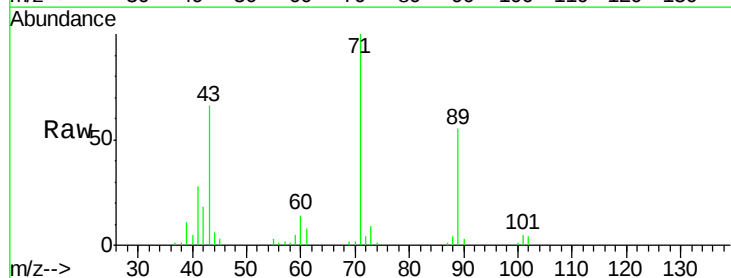
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



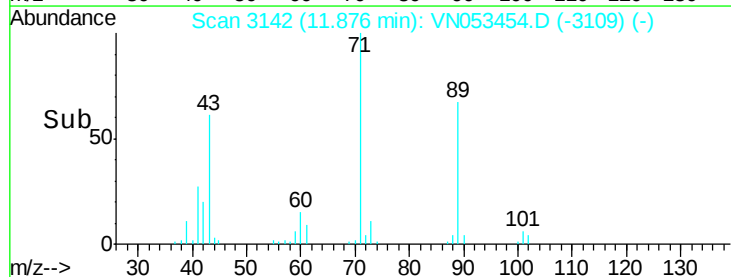
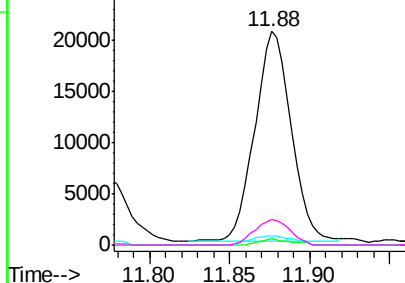
#74

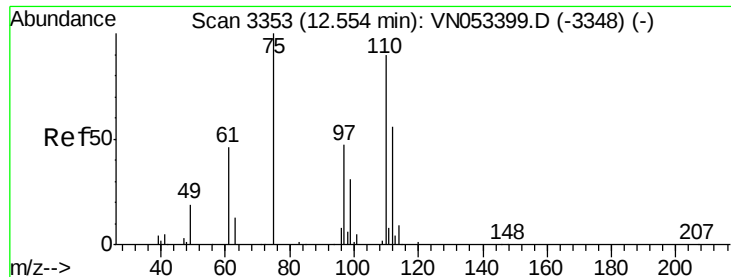
N-ethyl acetate
Concen: 2.736 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	2.5	35.4	53.2#
55	5.0	20.9	31.3#
61	11.7	20.5	30.7#



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

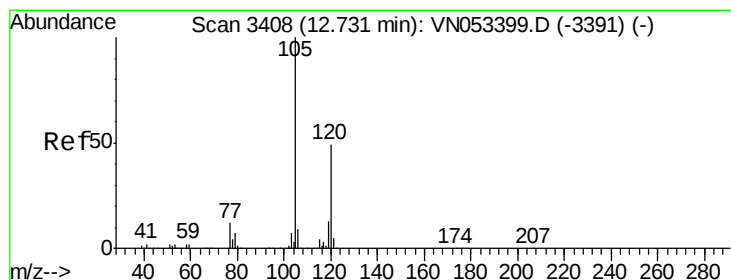
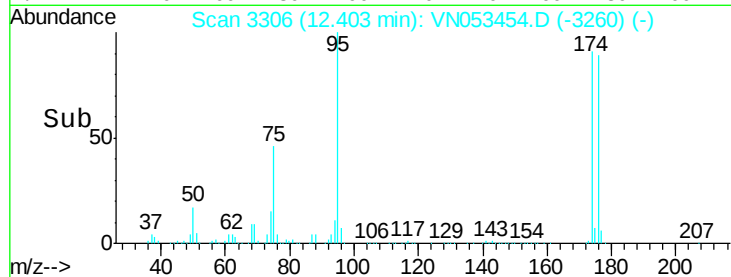
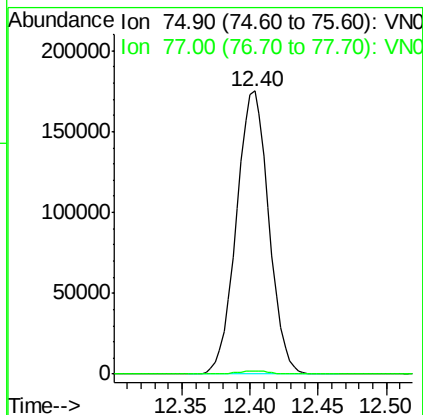
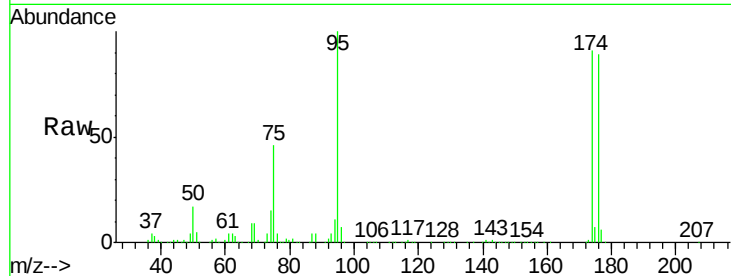




#76

1,2,3-Trichloropropane
Concen: 36.437 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

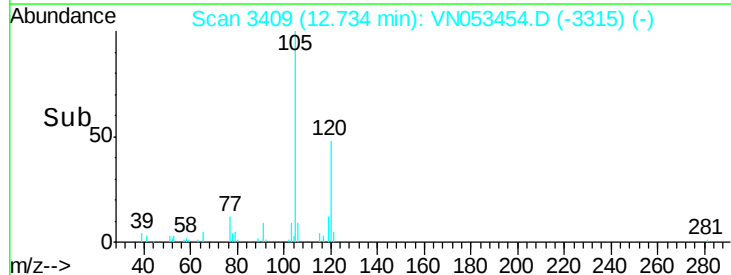
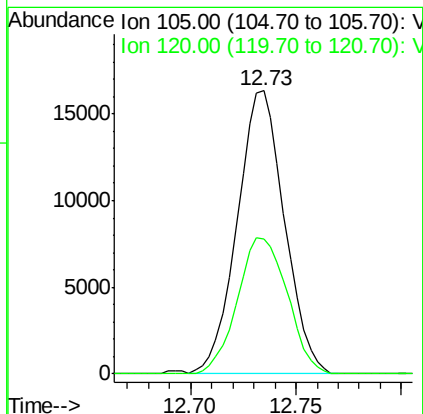
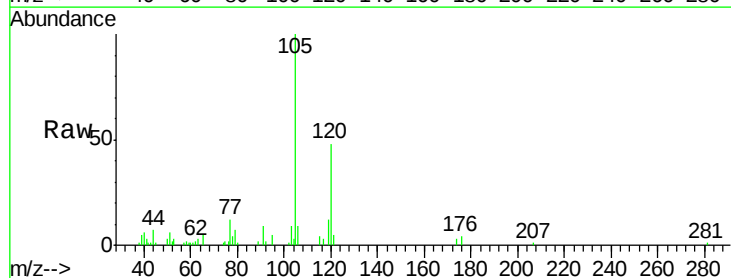
Tot Ion: 75 Resp: 288603
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

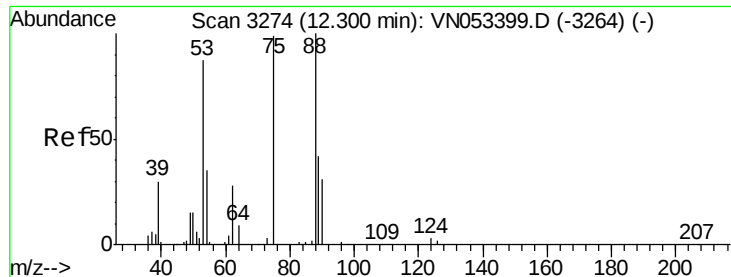


#80

1,3,5-Trimethylbenzene
Concen: 0.709 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN053454.D
Acq: 18 Jan 2019 00:00

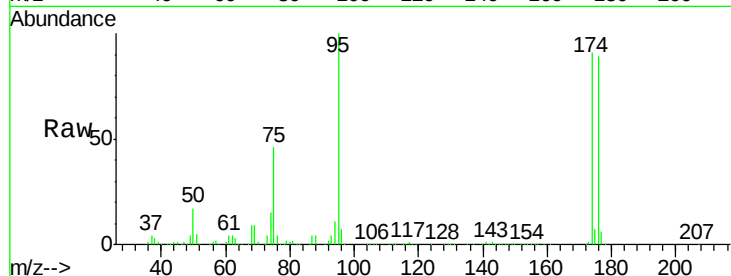
Tgt Ion: 105 Resp: 25381
Ion Ratio Lower Upper
105 100
120 50.9 24.9 74.6





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.074 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN053454.D
 Acq: 18 Jan 2019 00:00

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	69.8	104.6#
89	0.0	35.6	53.4#



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

