

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011119\
 Data File : VN053363.D
 Acq On : 11 Jan 2019 13:49
 Operator : JC/SP
 Sample : PB116316ZHE#06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Quant Time: Jan 12 00:40:25 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	1021189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1591326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1504649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	637441	50.00	ug/l	0.00

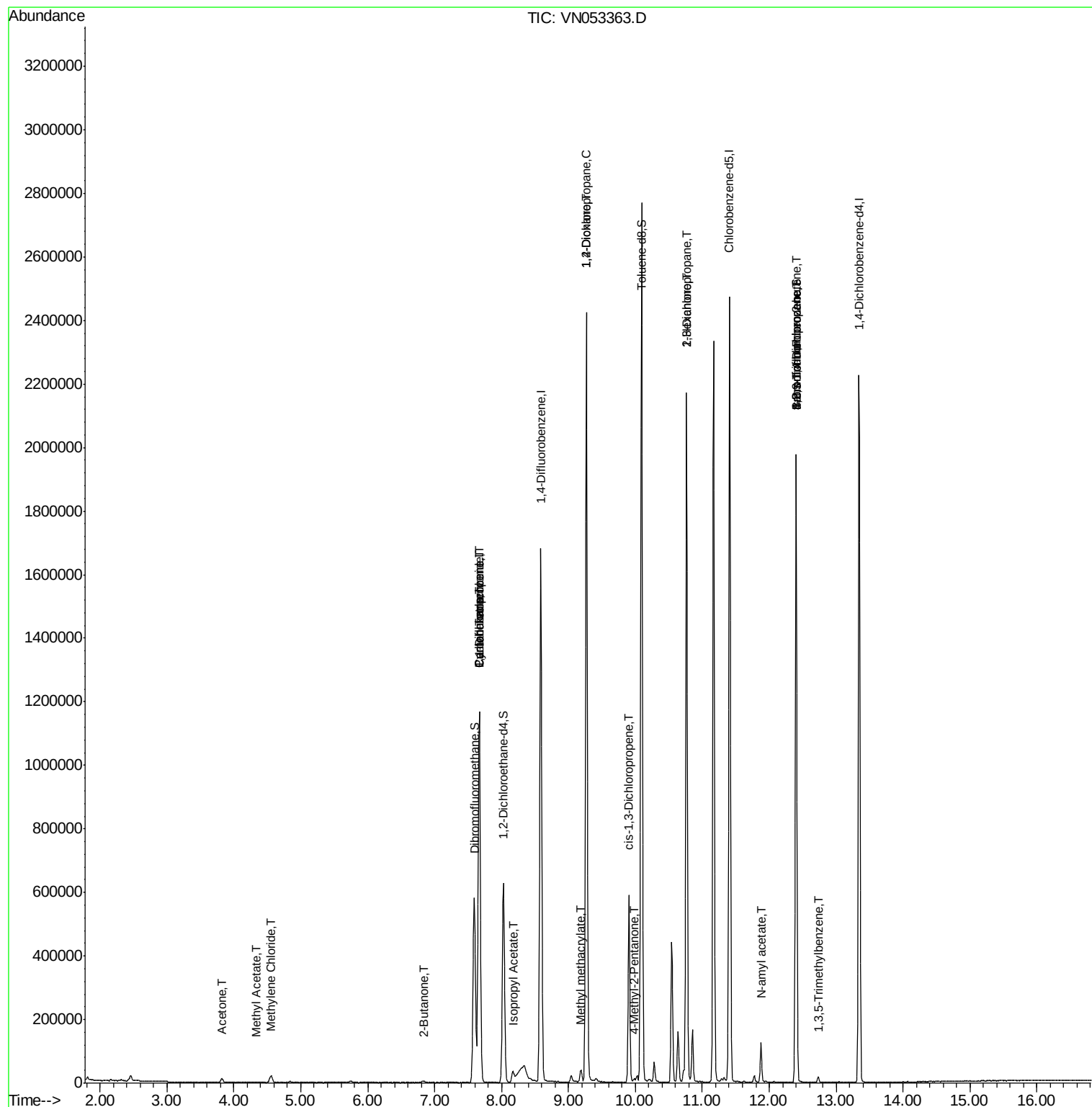
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	516890	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
35) Dibromofluoromethane	7.59	113	450100	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.09	98	1988494	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	685492	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	

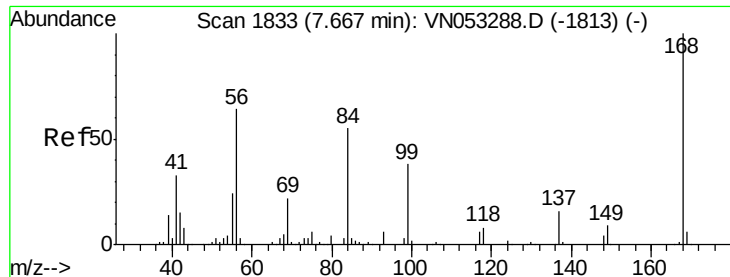
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	21229	6.122	ug/l	94
18) Methyl Acetate	4.34	43	4734	0.492	ug/l #	76
20) Methylene Chloride	4.55	84	16772	1.470	ug/l	92
25) 2-Butanone	6.85	43	2924	0.671	ug/l #	87
31) Cyclohexane	7.66	56	16782	0.734	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	65579	4.414	ug/l #	48
38) Carbon Tetrachloride	7.67	117	88168	6.430	ug/l #	17
43) Isopropyl Acetate	8.17	43	45159	2.372	ug/l #	84
45) 1,2-Dichloropropane	9.27	63	2958	0.249	ug/l #	43
48) Methyl methacrylate	9.18	41	14180	1.640	ug/l #	12
49) 1,4-Dioxane	9.27	88	275	2.984	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	6894	0.720	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	109329	6.395	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	23238	1.357	ug/l #	42
59) 2-Hexanone	10.76	43	307939	46.949	ug/l #	50
71) Bromoform	12.41	173	4135	0.512	ug/l #	1
74) N-amyl acetate	11.88	43	36541	2.578	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	321418	34.571	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7659	0.200	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	321418	101.713	ug/l #	14

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

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QLast Update : Mon Jan 07 09:34:27 2019
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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: VN053363.D

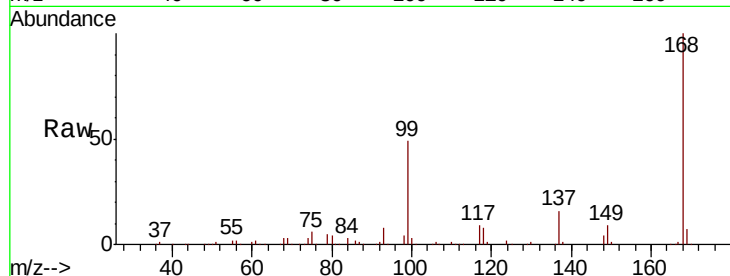
Acq: 11 Jan 2019 13:49

Tgt Ion: 168 Resp: 1021189

Ion Ratio Lower Upper

168 100

99 49.4 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

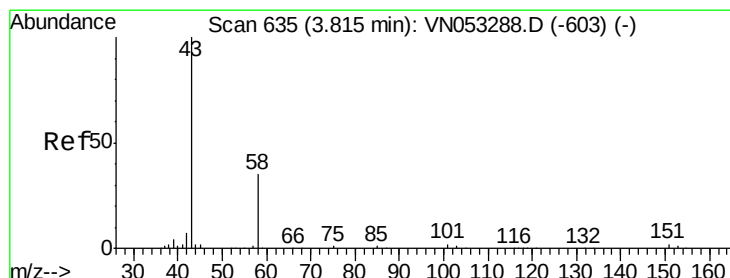
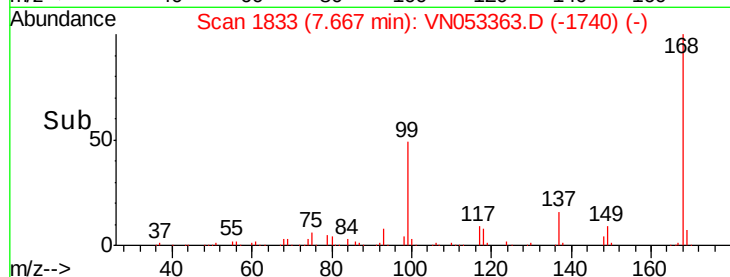
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 6.122 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053363.D

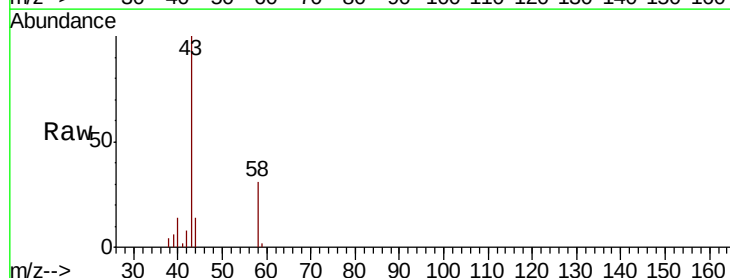
Acq: 11 Jan 2019 13:49

Tgt Ion: 43 Resp: 21229

Ion Ratio Lower Upper

43 100

58 31.1 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-603) (-)

3.82

8000

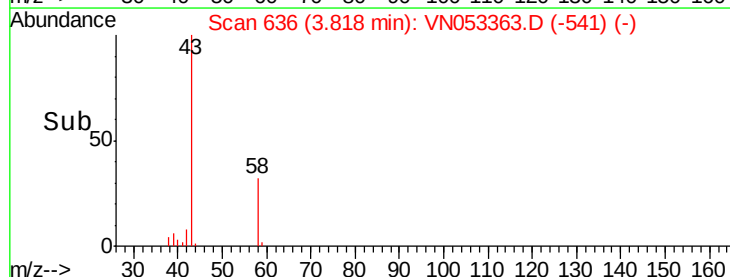
6000

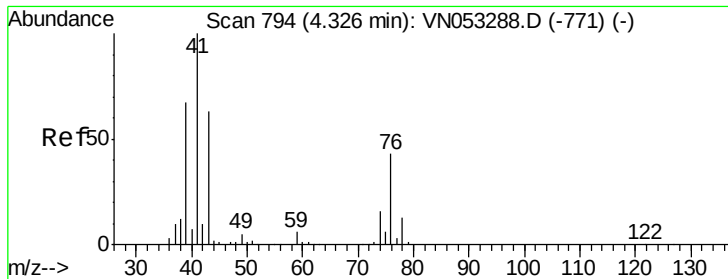
4000

2000

0

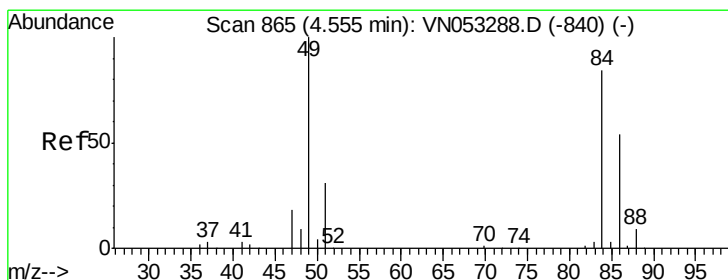
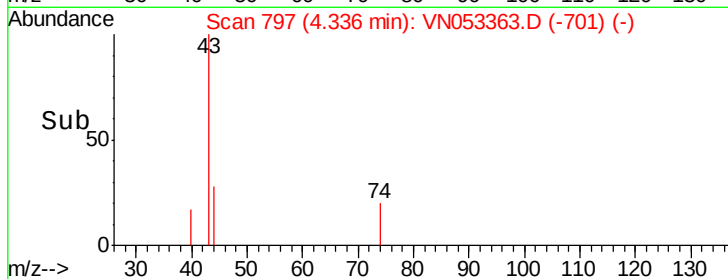
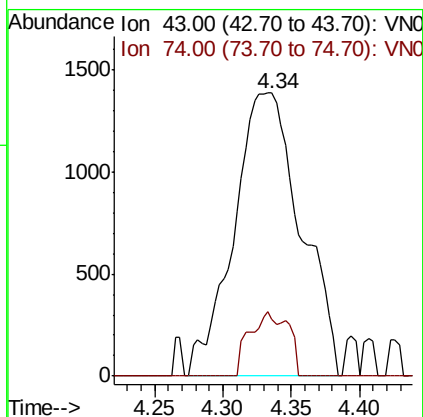
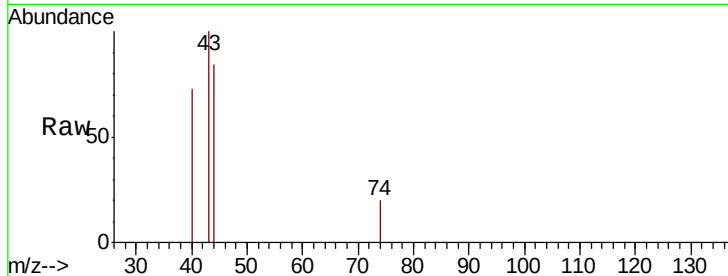
Time-->





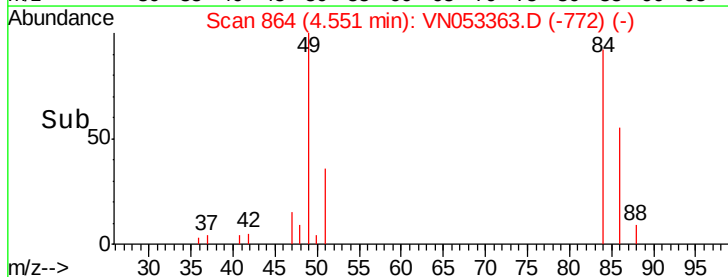
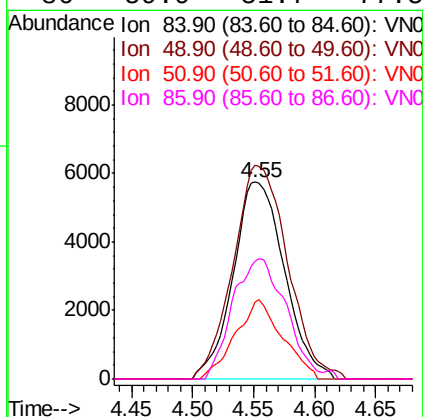
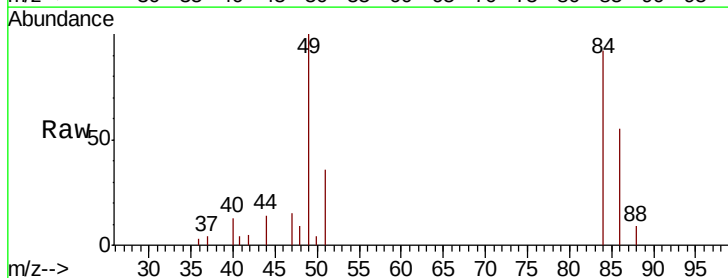
#18
Methyl Acetate
Concen: 0.492 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053363.D
Acq: 11 Jan 2019 13:49

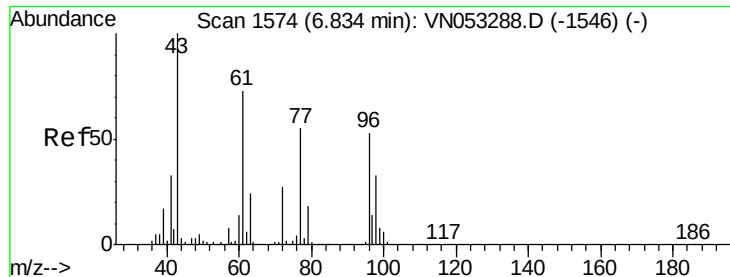
Tgt Ion: 43 Resp: 4734
Ion Ratio Lower Upper
43 100
74 12.9 19.8 29.8#



#20
Methylene Chloride
Concen: 1.470 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053363.D
Acq: 11 Jan 2019 13:49

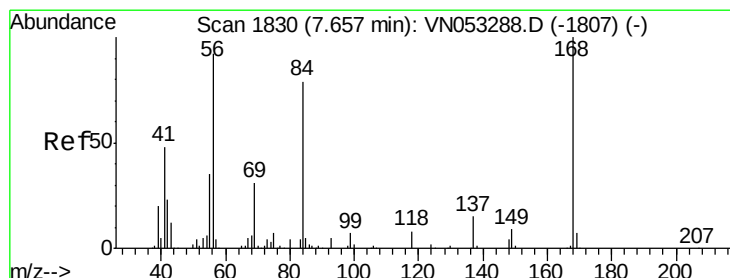
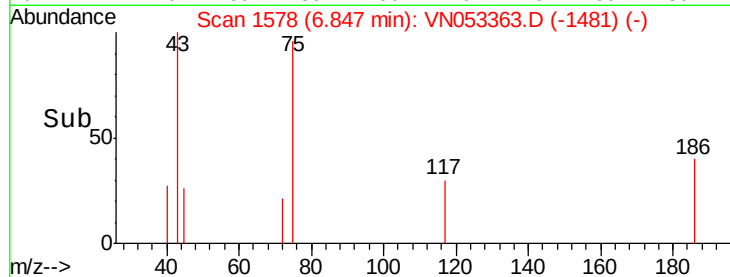
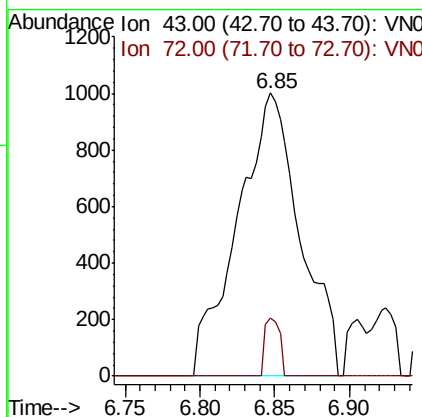
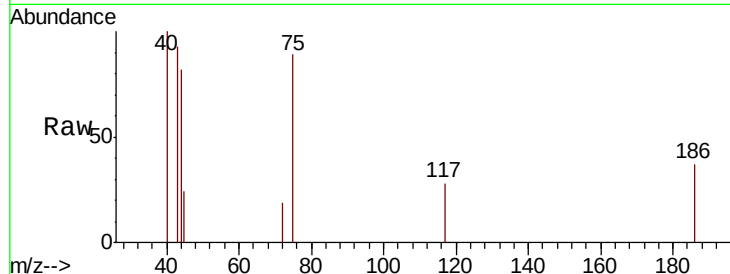
Tgt Ion: 84 Resp: 16772
Ion Ratio Lower Upper
84 100
49 108.5 95.3 142.9
51 38.9 29.0 43.6
86 59.9 51.7 77.5





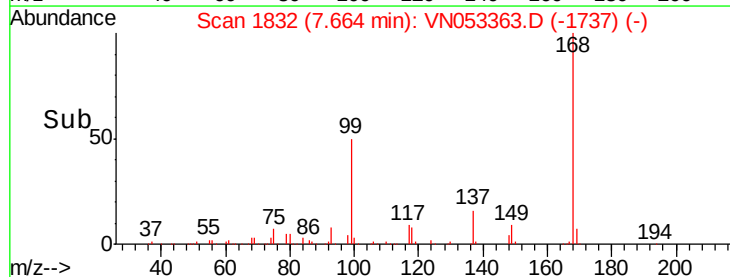
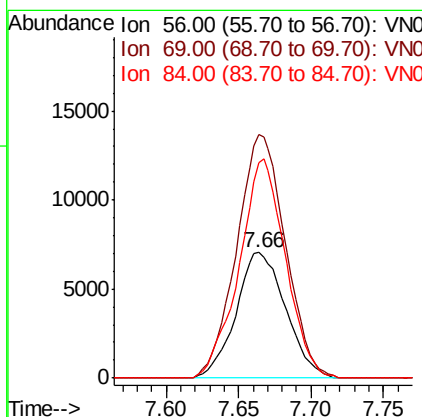
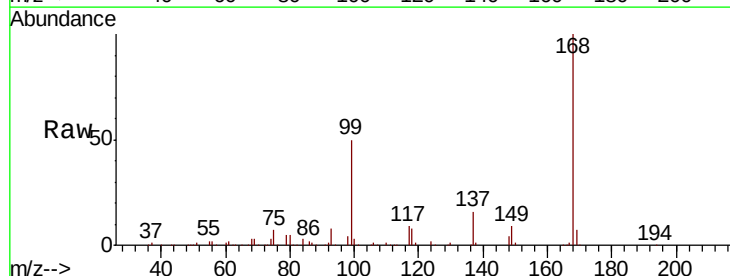
#25
2-Butanone
Concen: 0.671 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN053363.D
Acq: 11 Jan 2019 13:49

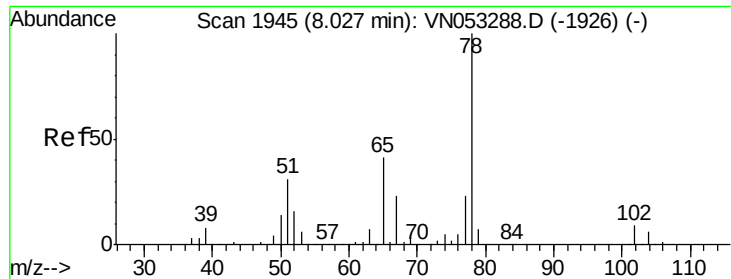
Tgt Ion: 43 Resp: 2924
Ion Ratio Lower Upper
43 100
72 20.6 22.0 33.0#



#31
Cyclohexane
Concen: 0.734 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053363.D
Acq: 11 Jan 2019 13:49

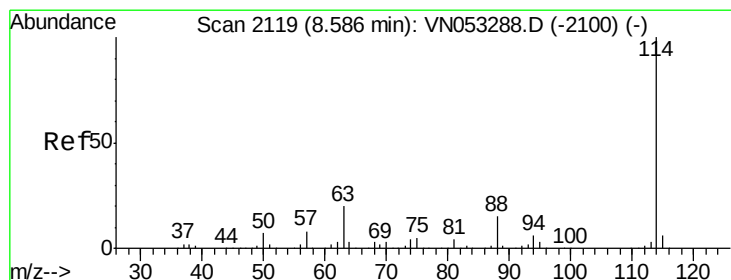
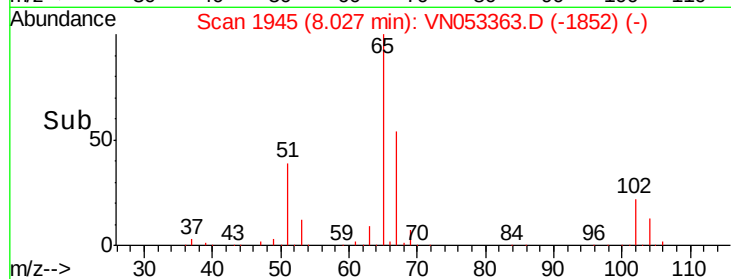
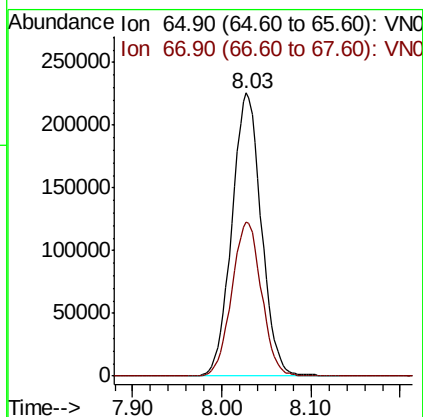
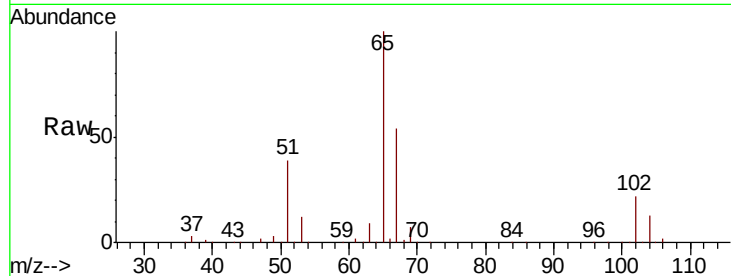
Tgt Ion: 56 Resp: 16782
Ion Ratio Lower Upper
56 100
69 193.8 26.7 40.1#
84 171.1 68.2 102.4#





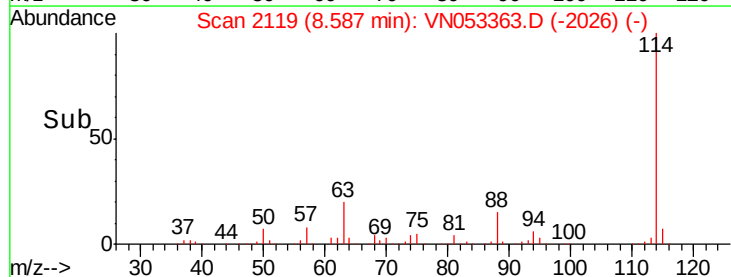
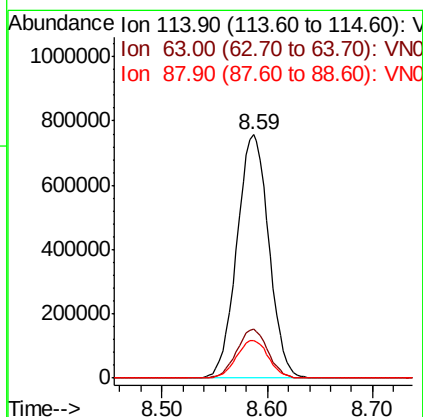
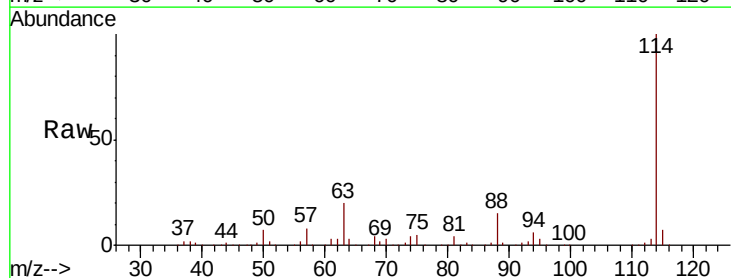
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053363.D
 Acq: 11 Jan 2019 13:49

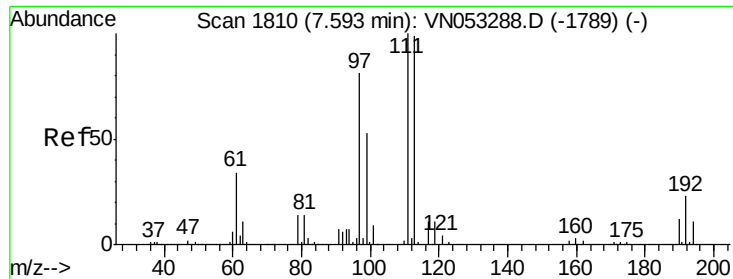
Tgt Ion: 65 Resp: 516890
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053363.D
 Acq: 11 Jan 2019 13:49

Tgt Ion: 114 Resp: 1591326
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053363.D

Acq: 11 Jan 2019 13:49

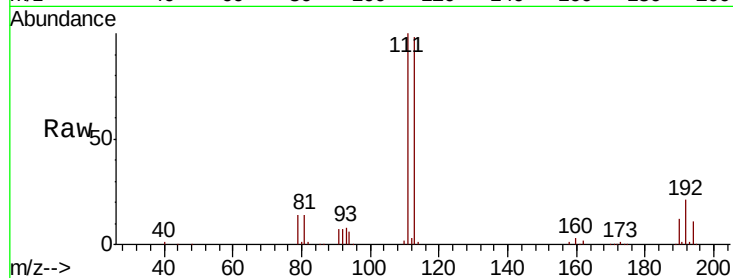
Tgt Ion: 113 Resp: 450100

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.2

192 22.6 17.9 26.9

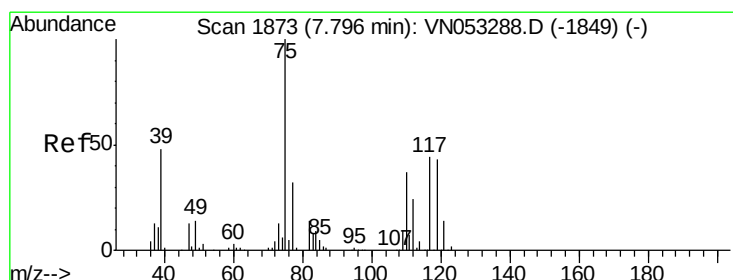
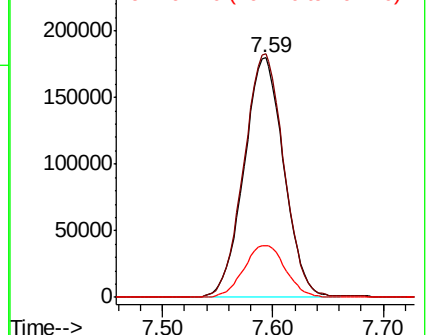
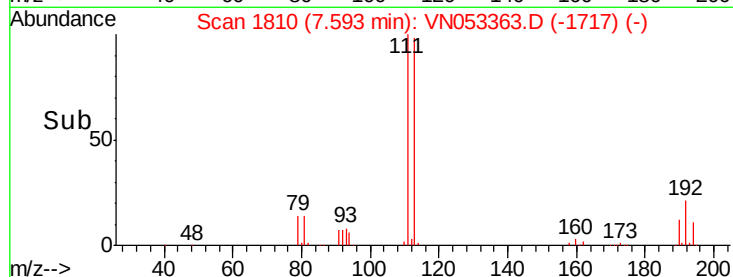


Abundance

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: 4.414 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053363.D

Acq: 11 Jan 2019 13:49

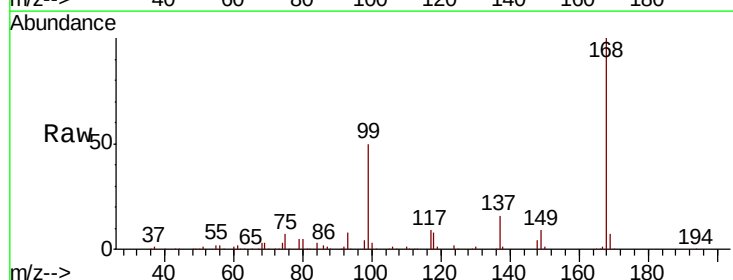
Tgt Ion: 75 Resp: 65579

Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.0#

77 0.0 25.3 37.9#

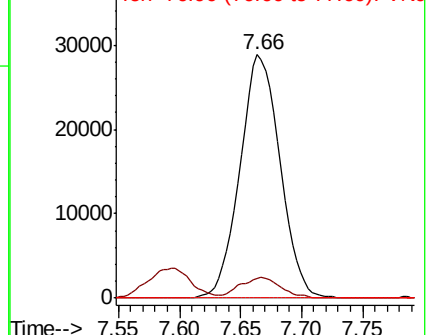
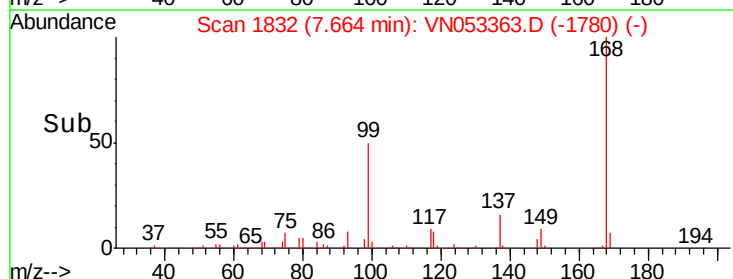


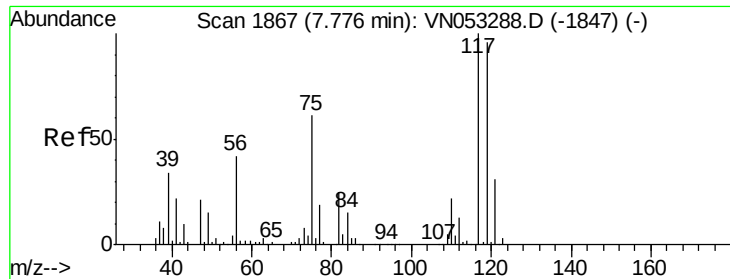
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

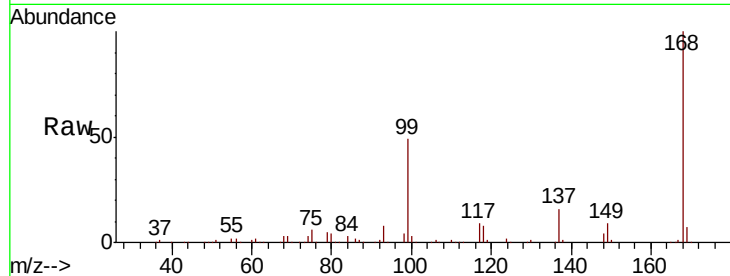
Ion 76.90 (76.60 to 77.60): V



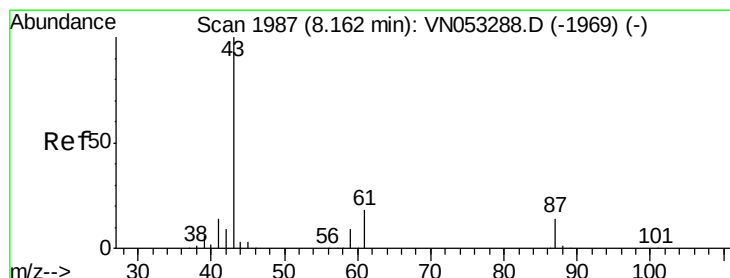
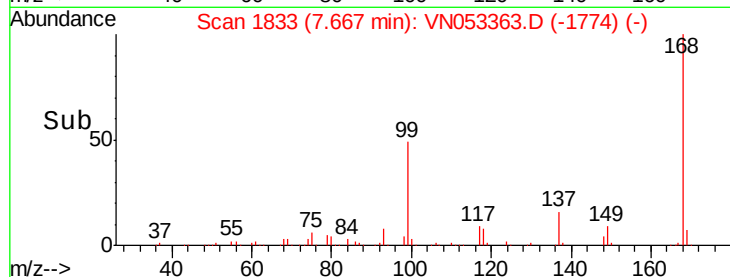
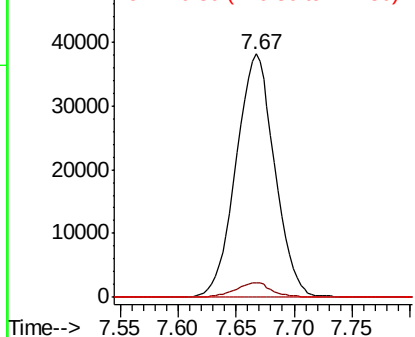


#38
Carbon Tetrachloride
Concen: 6.430 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053363.D
Acq: 11 Jan 2019 13:49

Tgt Ion: 117 Resp: 88168
Ion Ratio Lower Upper
117 100
119 6.1 76.6 115.0#
121 0.0 25.0 37.4#

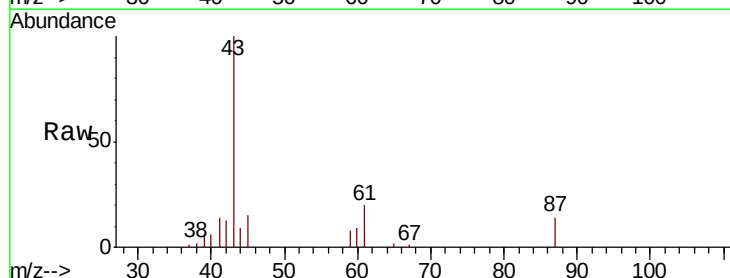


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

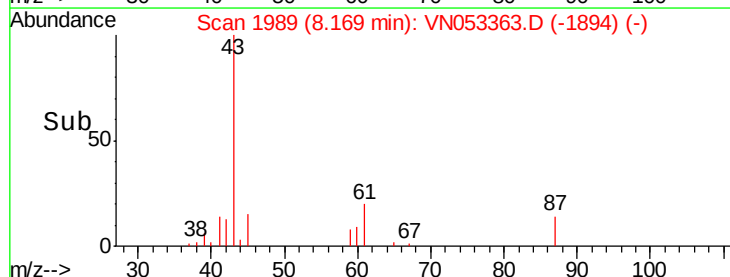
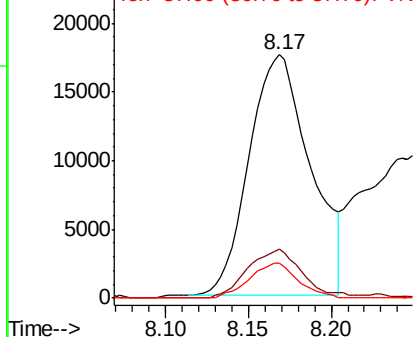


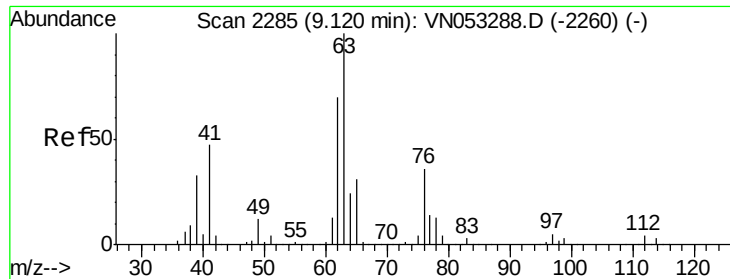
#43
Isopropyl Acetate
Concen: 2.372 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN053363.D
Acq: 11 Jan 2019 13:49

Tgt Ion: 43 Resp: 45159
Ion Ratio Lower Upper
43 100
61 18.1 23.3 34.9#
87 11.5 10.8 16.2



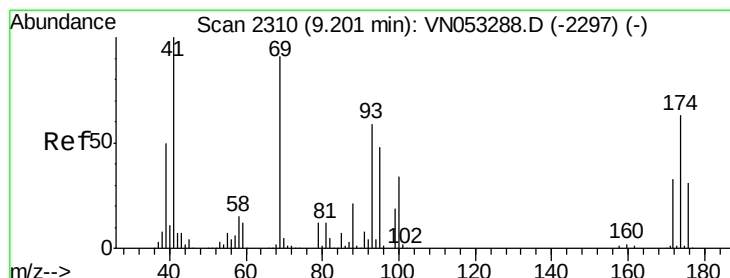
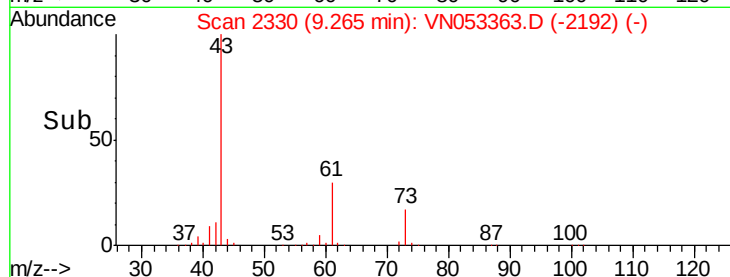
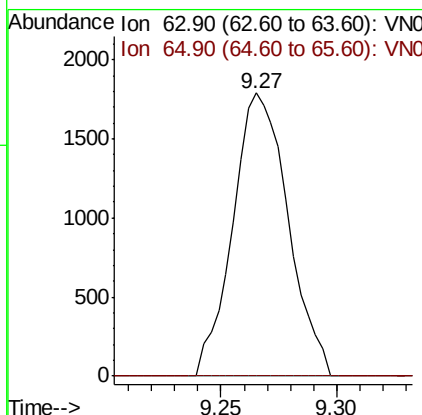
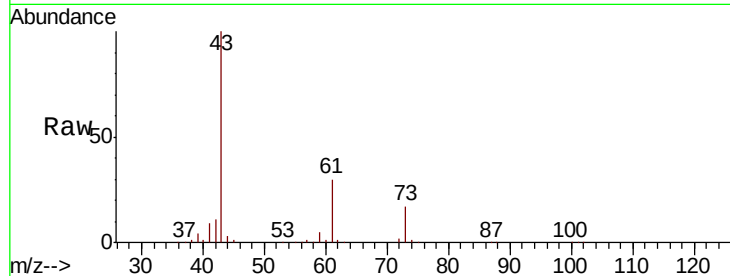
Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





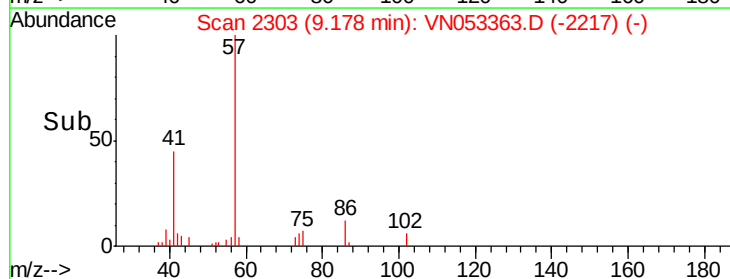
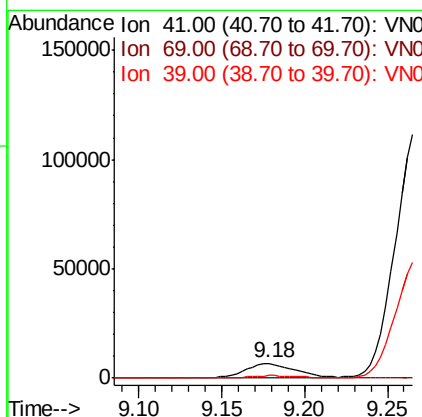
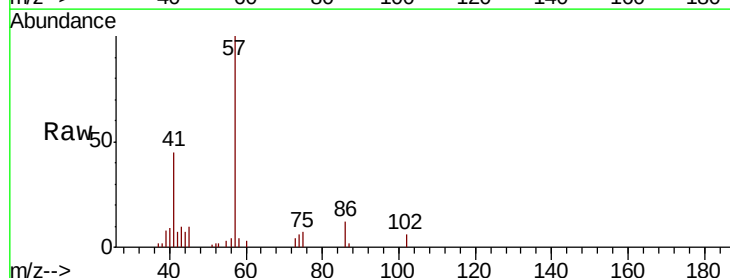
#45
 1,2-Dichloropropane
 Concen: 0.249 ug/l
 RT: 9.27 min Scan# 2330
 Delta R.T. 0.14 min
 Lab File: VN053363.D
 Acq: 11 Jan 2019 13:49

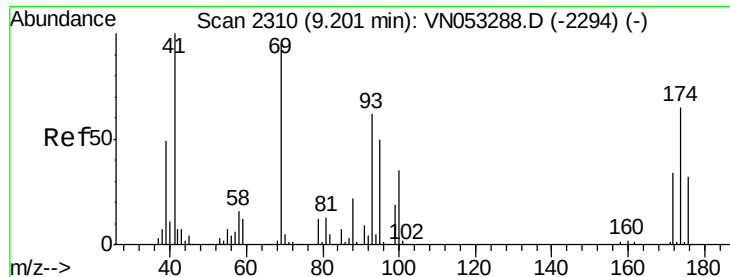
Tgt Ion: 63 Resp: 2958
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.640 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN053363.D
 Acq: 11 Jan 2019 13:49

Tgt Ion: 41 Resp: 14180
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.5 110.3#
 39 0.0 41.6 62.4#





#49

1,4-Dioxane

Concen: 2.984 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN053363.D

Acq: 11 Jan 2019 13:49

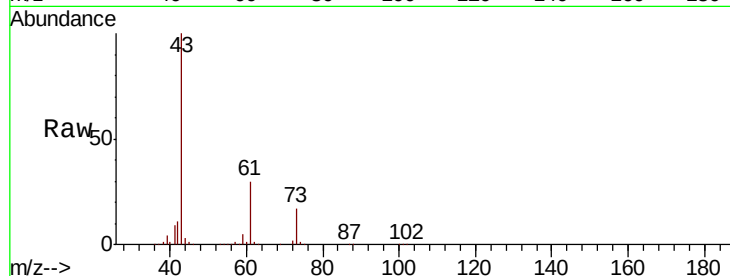
Tgt Ion: 88 Resp: 275

Ion Ratio Lower Upper

88 100

43 845598.5 26.2 39.4#

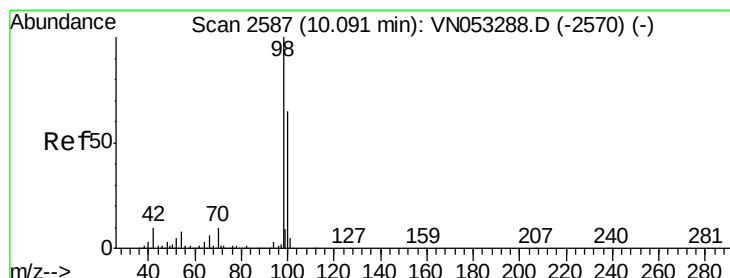
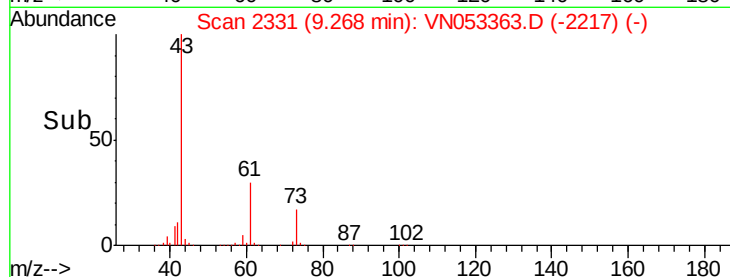
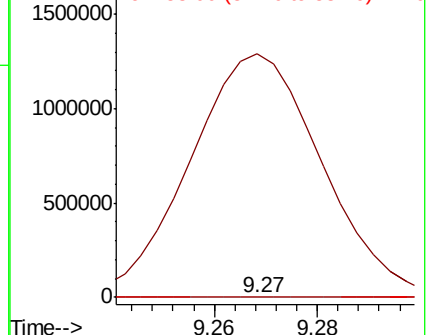
58 3758.9 55.5 83.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 2.984 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053363.D

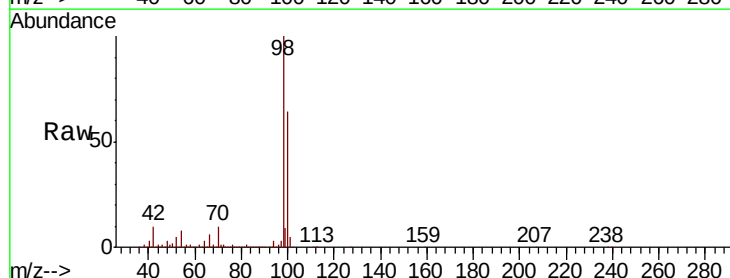
Acq: 11 Jan 2019 13:49

Tgt Ion: 98 Resp: 1988494

Ion Ratio Lower Upper

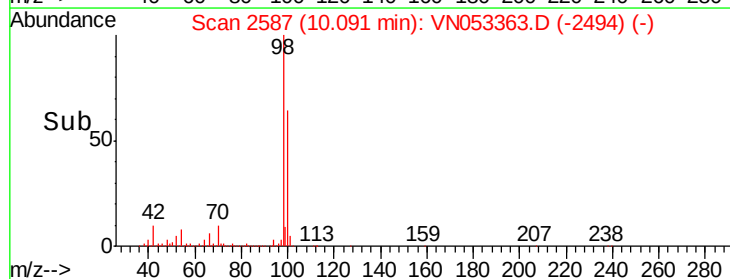
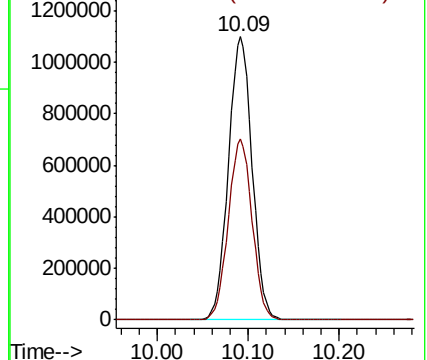
98 100

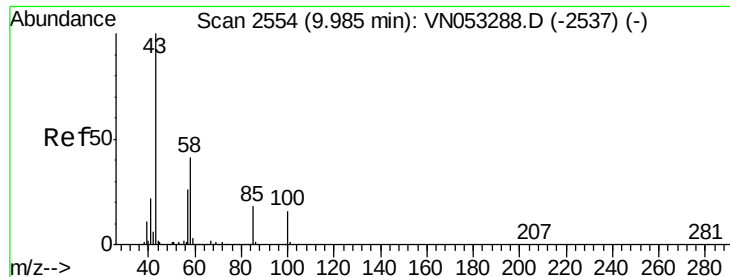
100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.720 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053363.D

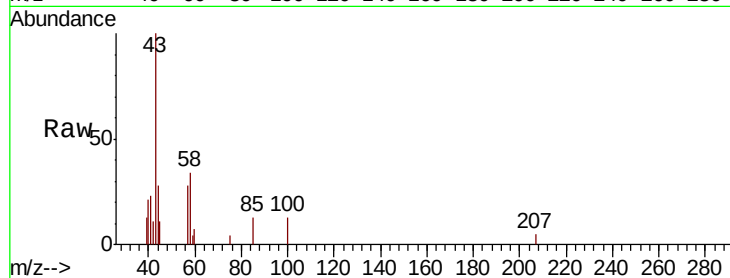
Acq: 11 Jan 2019 13:49

Tgt Ion: 43 Resp: 6894

Ion Ratio Lower Upper

43 100

58 37.0 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10000

8000

6000

4000

2000

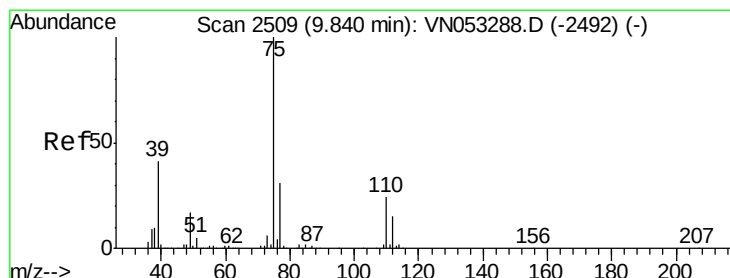
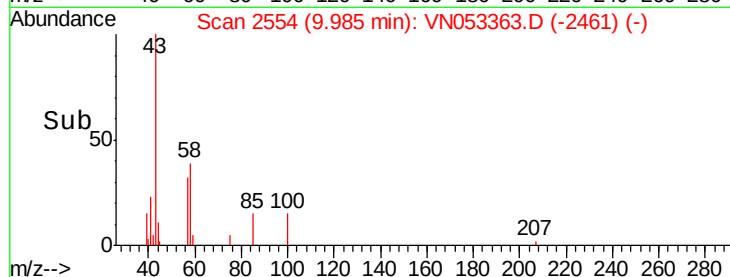
0

9.95

9.99

10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 6.395 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053363.D

Acq: 11 Jan 2019 13:49

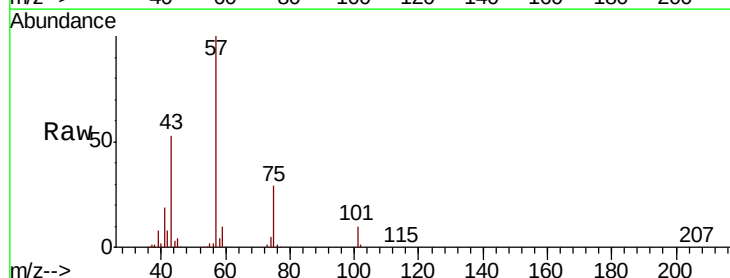
Tgt Ion: 75 Resp: 109329

Ion Ratio Lower Upper

75 100

77 0.5 25.1 37.7#

39 27.4 33.1 49.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

80000

60000

40000

20000

0

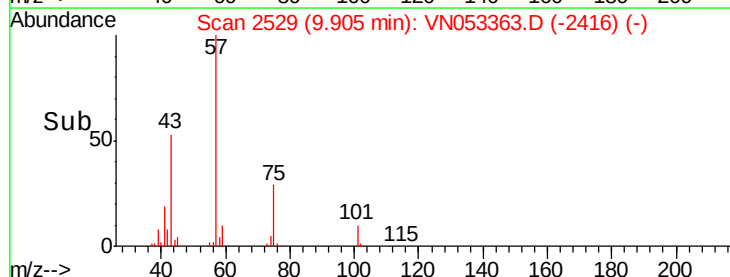
9.85

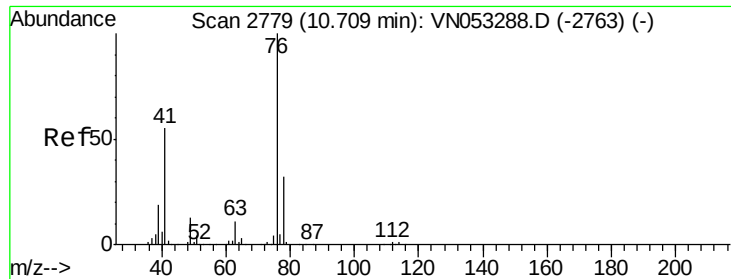
9.90

9.95

10.00

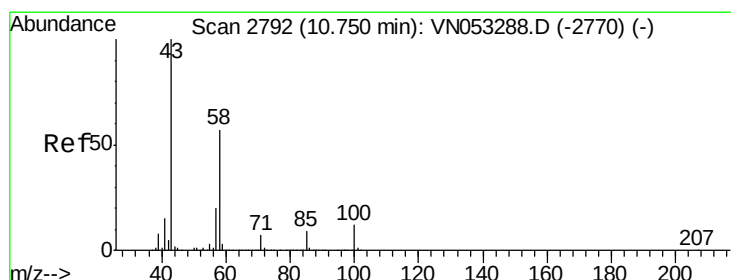
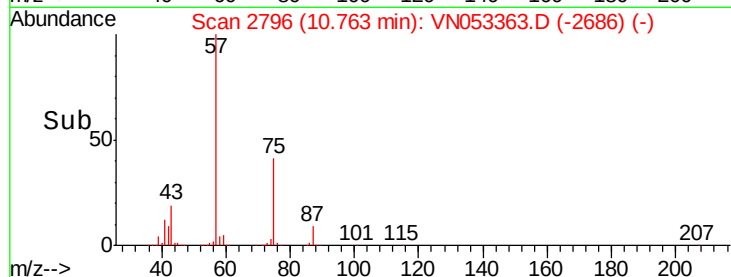
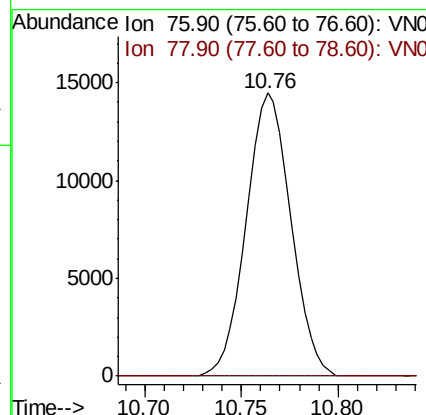
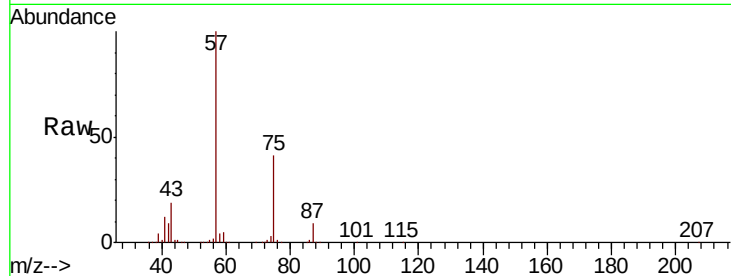
Time-->





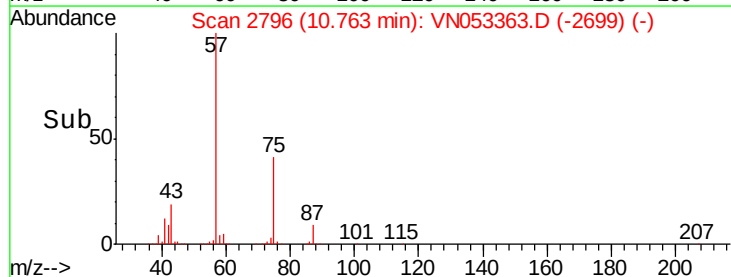
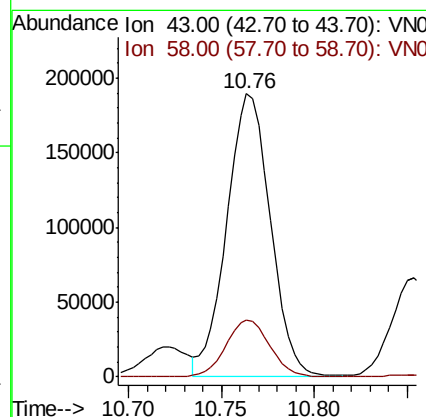
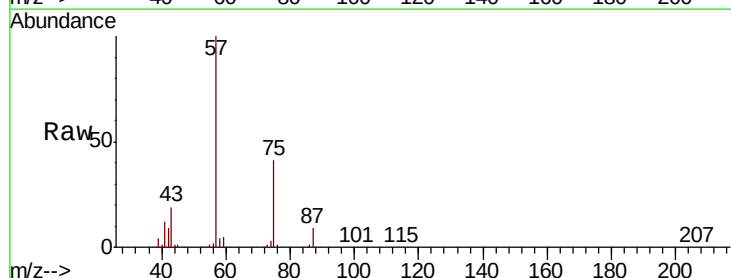
#57
 1,3-Dichloropropane
 Concen: 1.357 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053363.D
 Acq: 11 Jan 2019 13:49

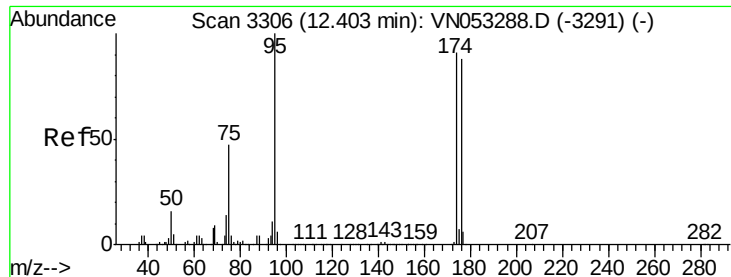
Tgt Ion: 76 Resp: 23238
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 46.949 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053363.D
 Acq: 11 Jan 2019 13:49

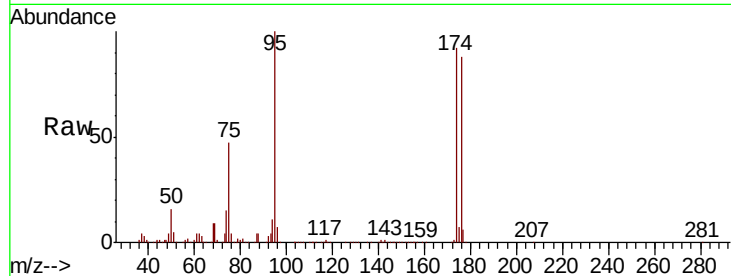
Tgt Ion: 43 Resp: 307939
 Ion Ratio Lower Upper
 43 100
 58 20.2 28.3 85.0#



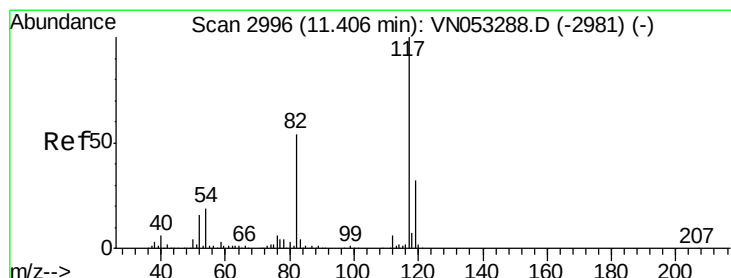
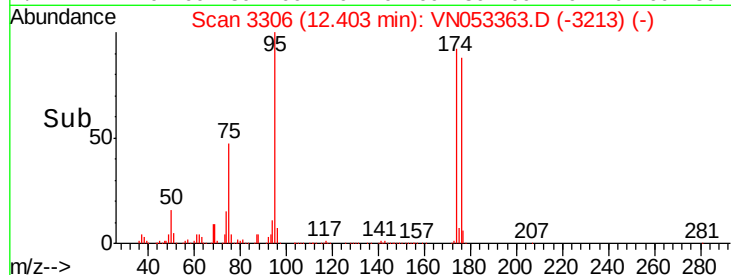
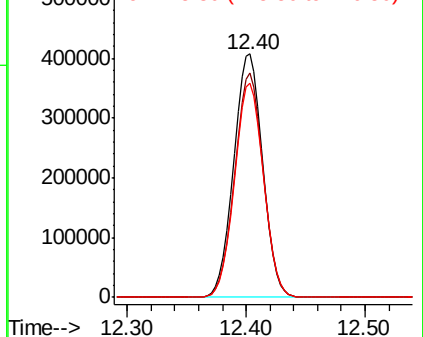


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053363.D
Acq: 11 Jan 2019 13:49

Tgt Ion: 95 Resp: 685492
Ion Ratio Lower Upper
95 100
174 91.0 0.0 180.4
176 88.1 0.0 175.6

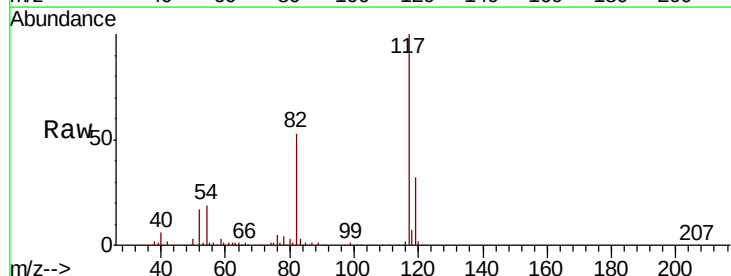


Abundance Ion 94.90 (94.60 to 95.60): VN053288.D (-3291) (-)
Ion 173.80 (173.50 to 174.50): VN053288.D (-3291) (-)
Ion 175.80 (175.50 to 176.50): VN053288.D (-3291) (-)

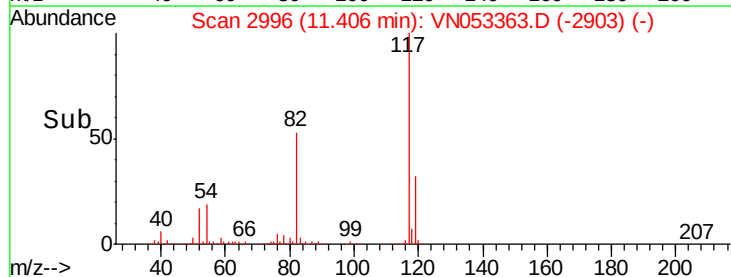
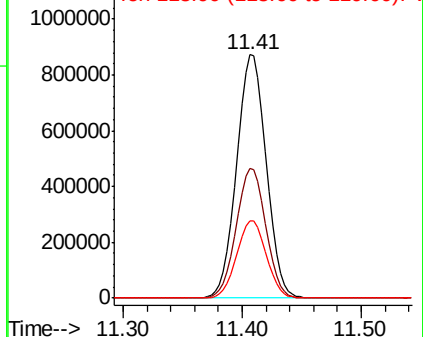


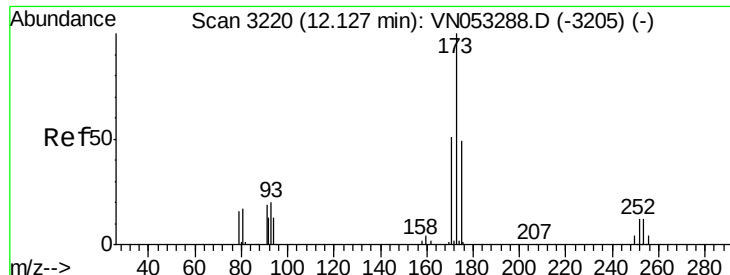
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053363.D
Acq: 11 Jan 2019 13:49

Tgt Ion: 117 Resp: 1504649
Ion Ratio Lower Upper
117 100
82 53.3 42.9 64.3
119 31.9 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VN053288.D (-2981) (-)
Ion 82.00 (81.70 to 82.70): VN053288.D (-2981) (-)
Ion 118.90 (118.60 to 119.60): VN053288.D (-2981) (-)





#71

Bromoform

Concen: 0.512 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN053363.D

Acq: 11 Jan 2019 13:49

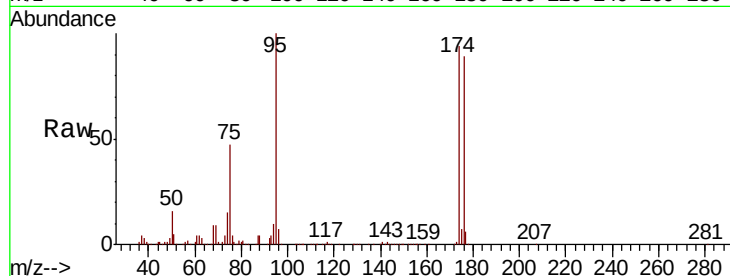
Tgt Ion:173 Resp: 4135

Ion Ratio Lower Upper

173 100

175 983.4 24.3 72.8#

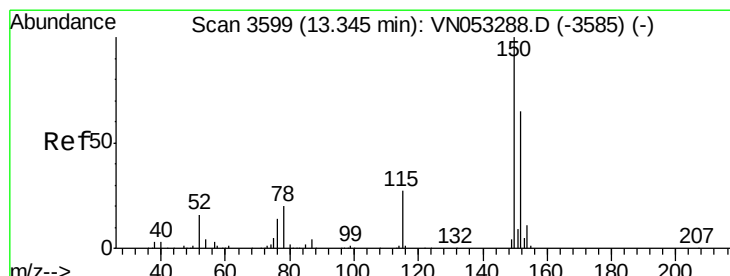
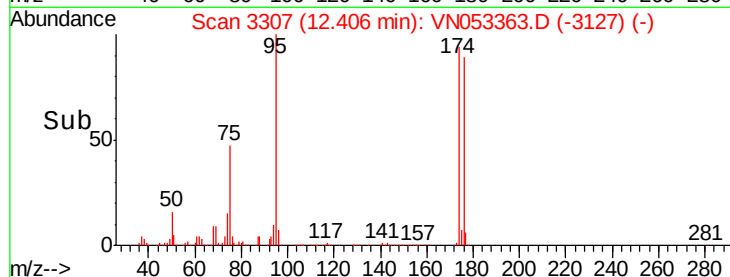
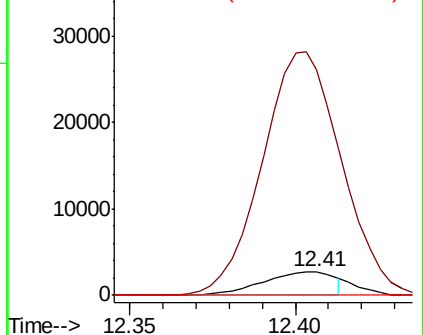
254 0.0 0.2 0.2#



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: VN053363.D

Acq: 11 Jan 2019 13:49

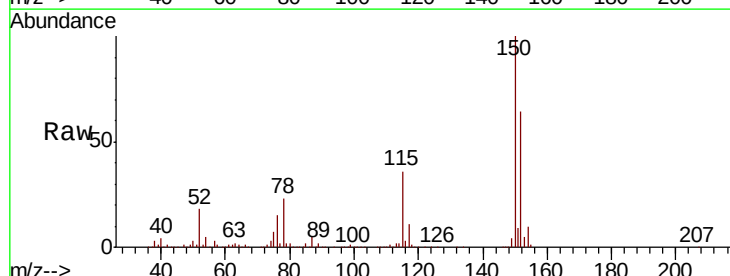
Tgt Ion:152 Resp: 637441

Ion Ratio Lower Upper

152 100

115 56.3 28.0 84.0

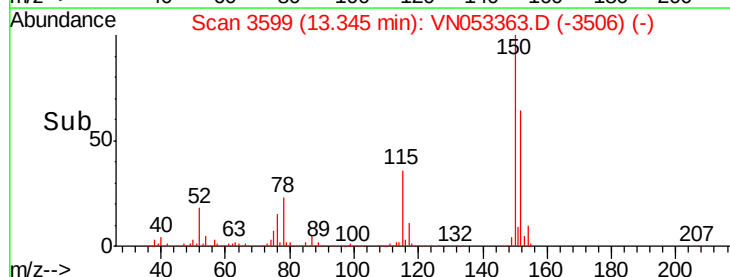
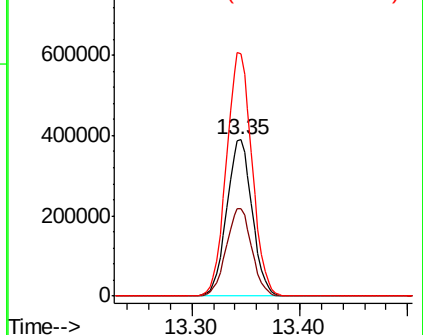
150 156.9 0.0 346.6

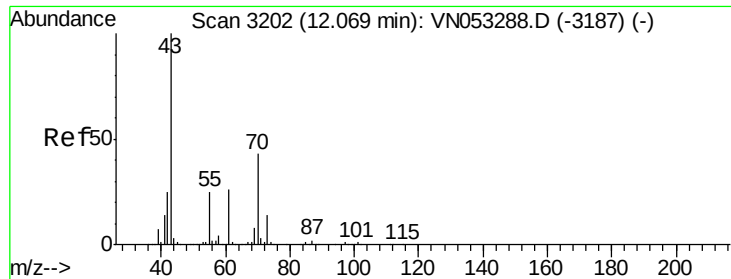


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: 2.578 ug/l

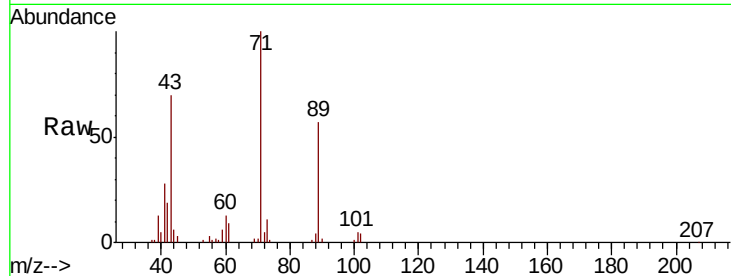
RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053363.D

Acq: 11 Jan 2019 13:49

Tgt Ion:	43	Resp:	36541
Ion	Ratio	Lower	Upper
43	100		
70	2.5	35.0	52.6#
55	4.9	20.0	30.0#
61	12.5	20.3	30.5#

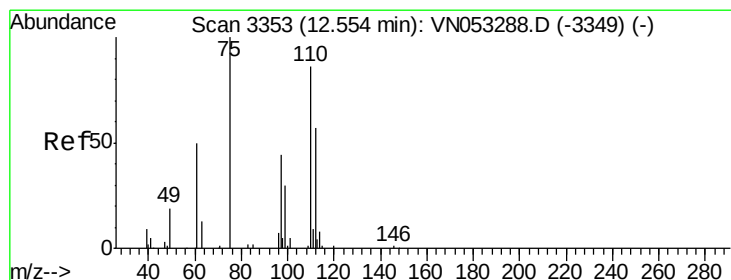
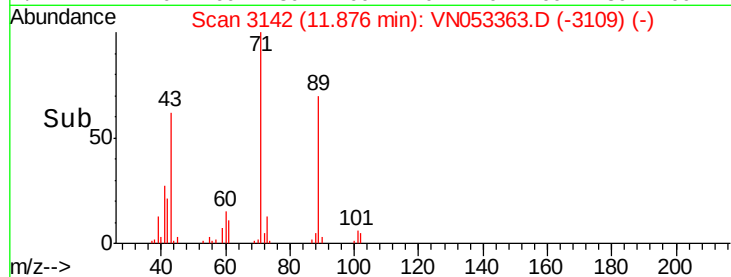
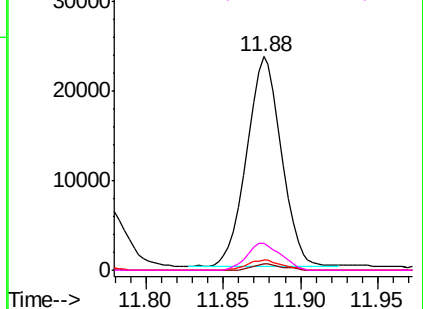


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 34.571 ug/l

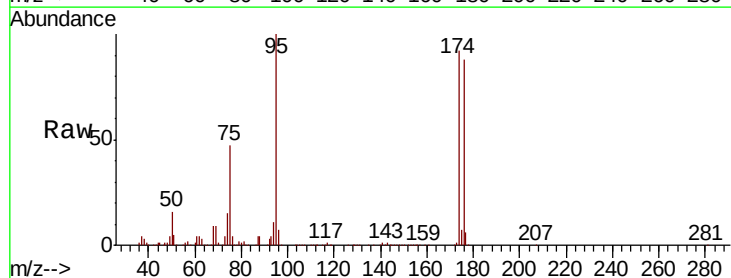
RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053363.D

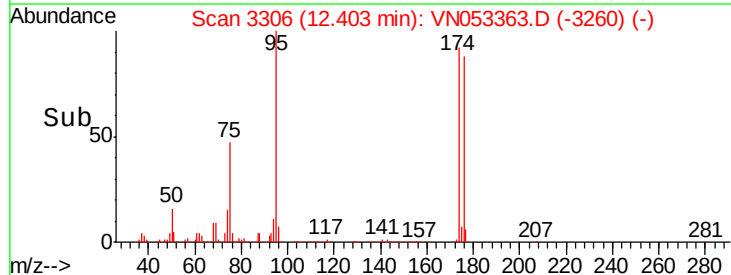
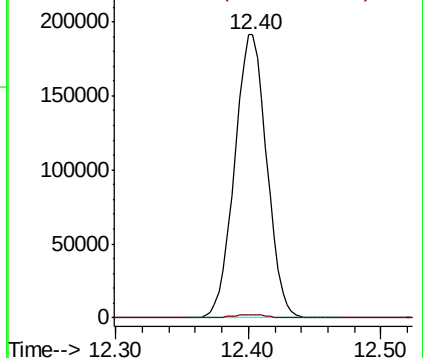
Acq: 11 Jan 2019 13:49

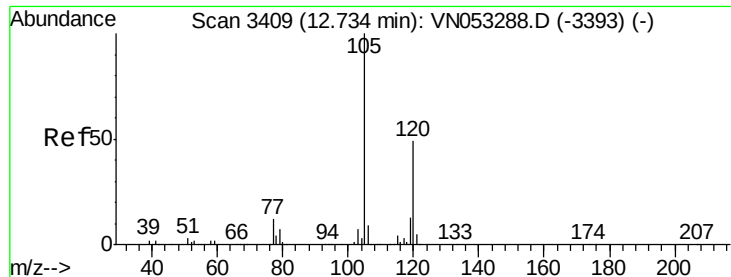
Tgt Ion:	75	Resp:	321418
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

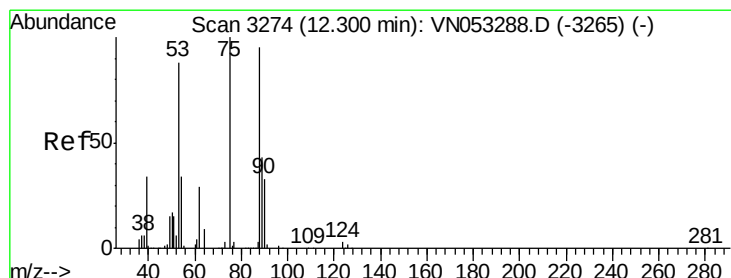
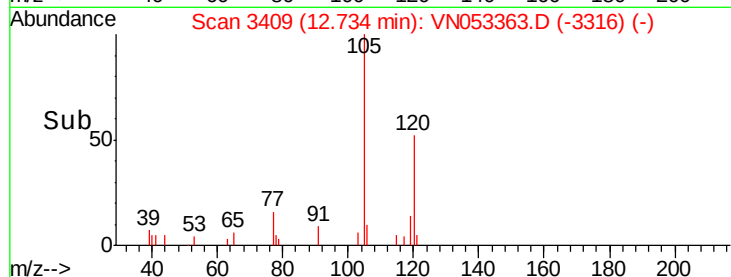
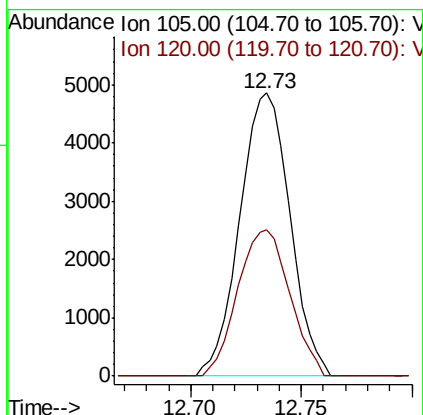
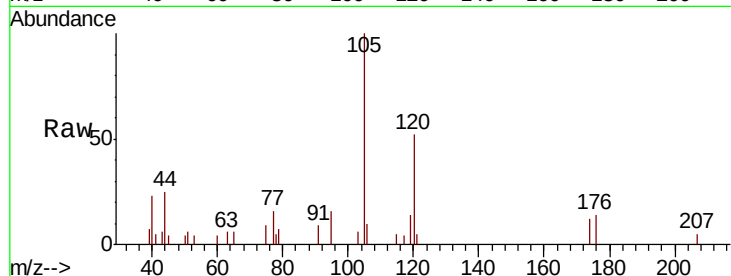
Ion 77.00 (76.70 to 77.70): VN0





#80
 1,3,5-Trimethylbenzene
 Concen: 0.200 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053363.D
 Acq: 11 Jan 2019 13:49

Tgt Ion: 105 Resp: 7659
 Ion Ratio Lower Upper
 105 100
 120 53.5 24.7 74.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.713 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN053363.D
 Acq: 11 Jan 2019 13:49

Tgt Ion: 75 Resp: 321418
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 35.4 53.0#

