

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011119\
 Data File : VN053360.D
 Acq On : 11 Jan 2019 12:29
 Operator : JC/SP
 Sample : PB116316ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Quant Time: Jan 12 00:39:49 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	1003016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1578113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1496731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	650340	50.00	ug/l	0.00

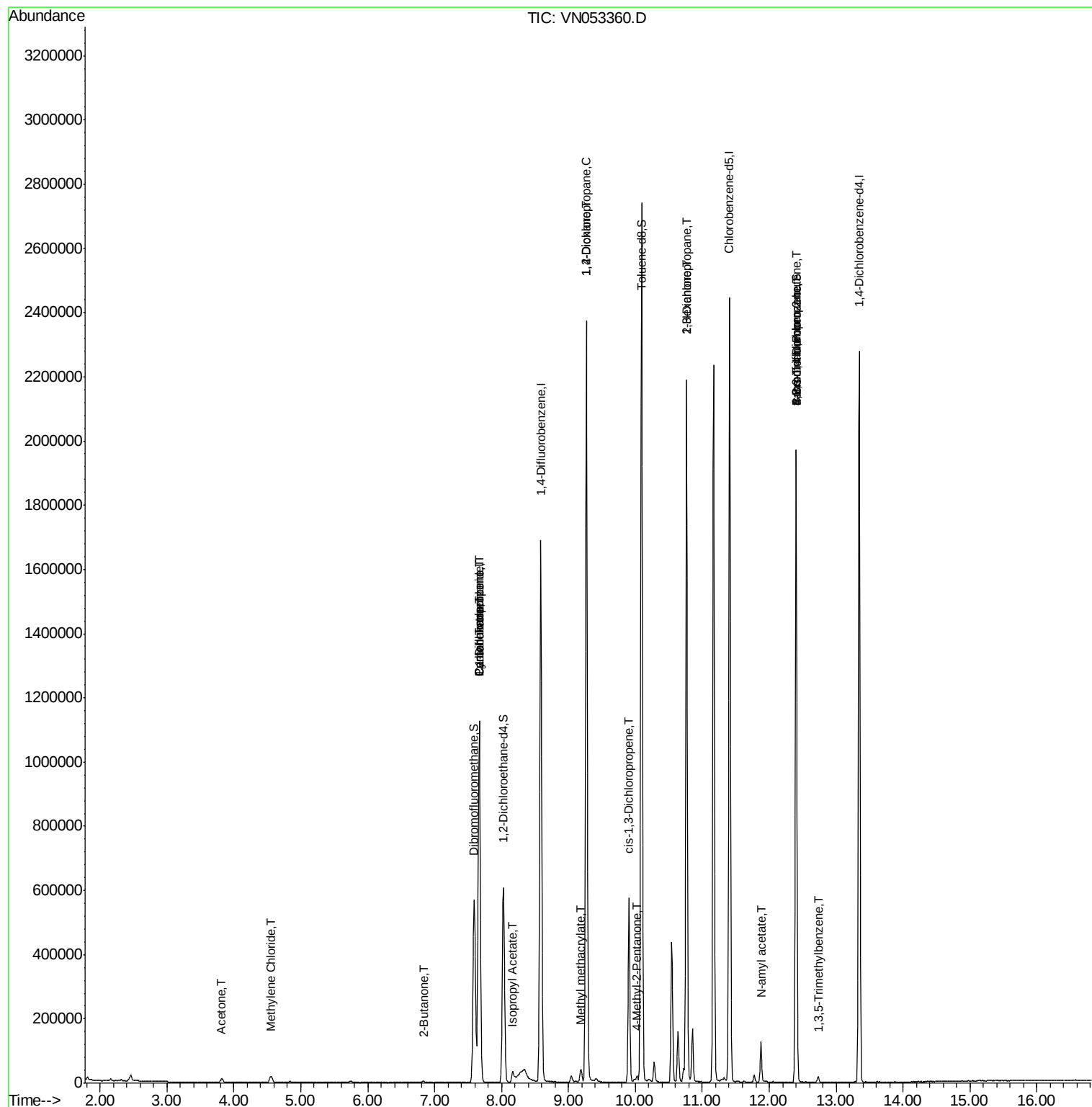
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	511201	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
35) Dibromofluoromethane	7.59	113	442677	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	10.09	98	1983803	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.40	95	688966	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	

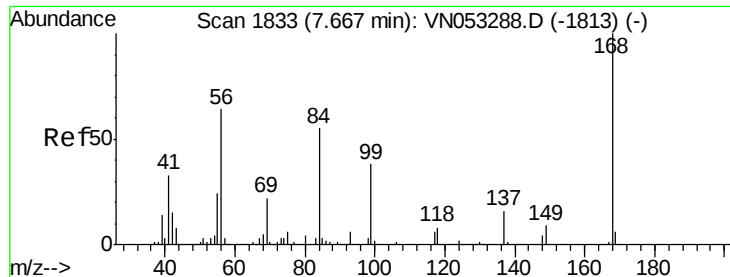
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	21261	6.287	ug/l	100
20) Methylene Chloride	4.55	84	15628	1.394	ug/l	96
25) 2-Butanone	6.84	43	2603	0.608	ug/l #	47
31) Cyclohexane	7.66	56	16180	0.717	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	65611	4.453	ug/l #	48
38) Carbon Tetrachloride	7.66	117	86112	6.333	ug/l #	16
43) Isopropyl Acetate	8.17	43	45914	2.432	ug/l #	83
45) 1,2-Dichloropropane	9.27	63	2959	0.251	ug/l #	43
48) Methyl methacrylate	9.18	41	13497	1.574	ug/l #	12
49) 1,4-Dioxane	9.27	88	60	0.657	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	15953	1.680	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	110839	6.538	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	22633	1.333	ug/l #	42
59) 2-Hexanone	10.76	43	304458	46.806	ug/l #	51
71) Bromoform	12.40	173	4714	0.586	ug/l #	1
74) N-amyl acetate	11.88	43	36699	2.538	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	321582	33.902	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8028	0.206	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	321582	99.746	ug/l #	14

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

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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: VN053360.D

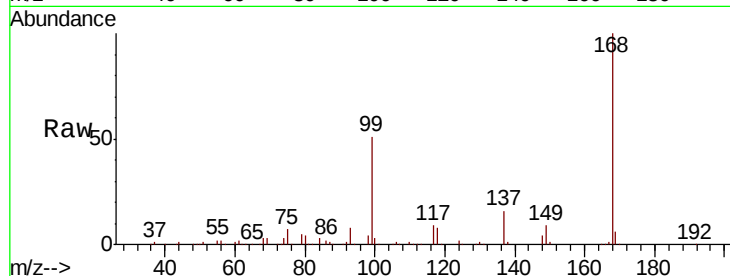
Acq: 11 Jan 2019 12:29

Tgt Ion: 168 Resp: 1003016

Ion Ratio Lower Upper

168 100

99 50.7 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

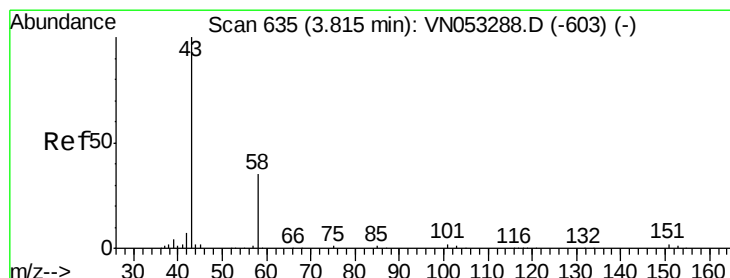
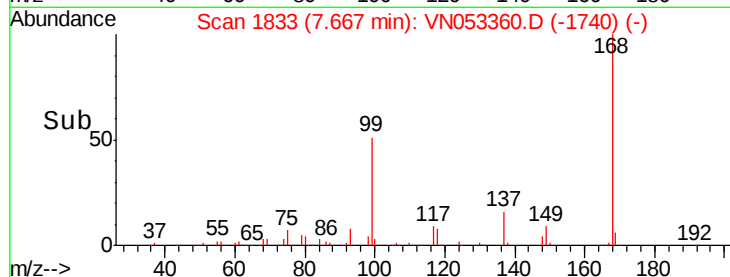
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 6.287 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053360.D

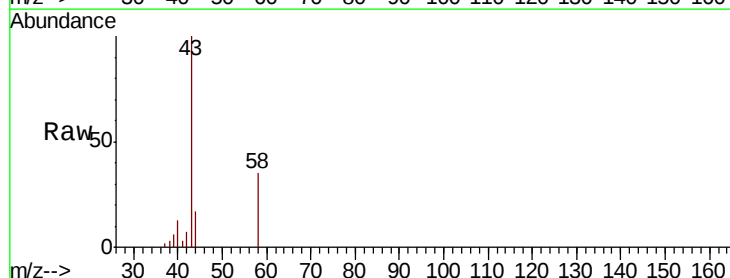
Acq: 11 Jan 2019 12:29

Tgt Ion: 43 Resp: 21261

Ion Ratio Lower Upper

43 100

58 34.8 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) (-)

3.81

8000

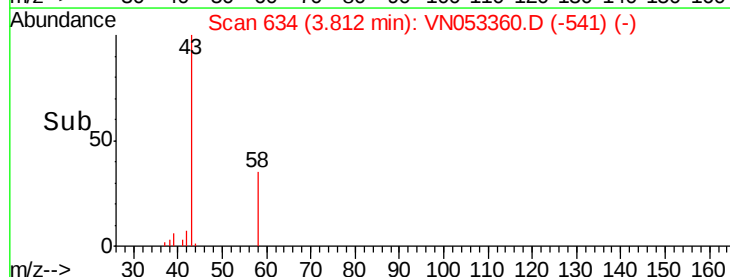
6000

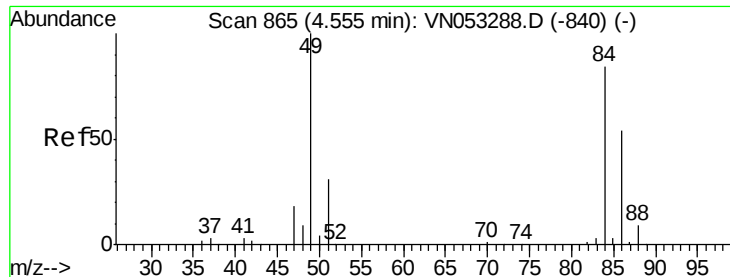
4000

2000

0

Time-->





#20

Methylene Chloride

Concen: 1.394 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053360.D

Acq: 11 Jan 2019 12:29

Tgt Ion: 84 Resp: 15628

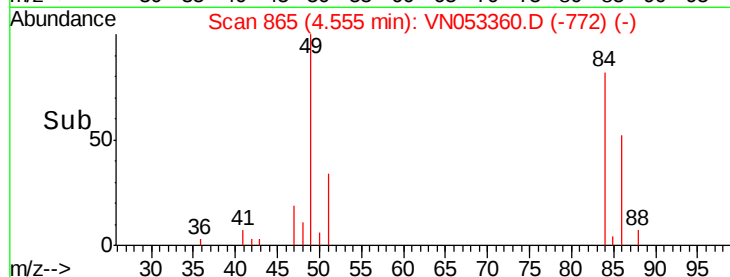
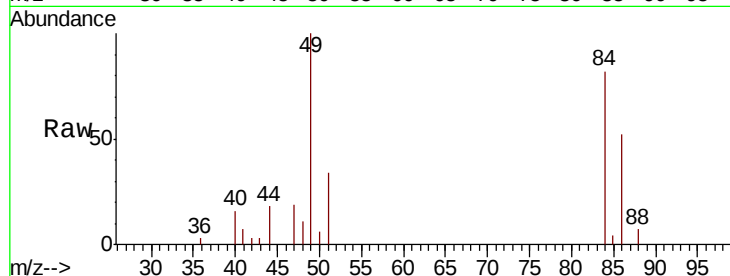
Ion Ratio Lower Upper

84 100

49 122.6 95.3 142.9

51 41.8 29.0 43.6

86 63.7 51.7 77.5

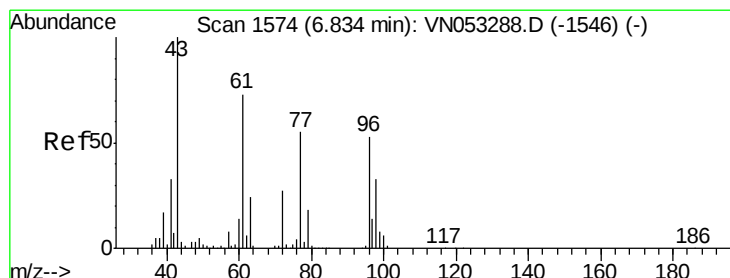
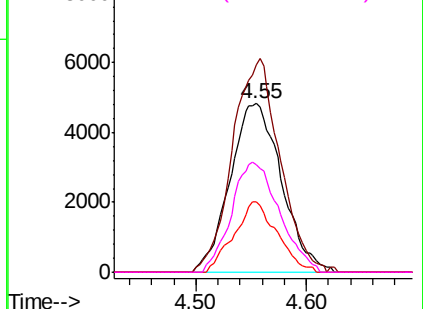


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.608 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN053360.D

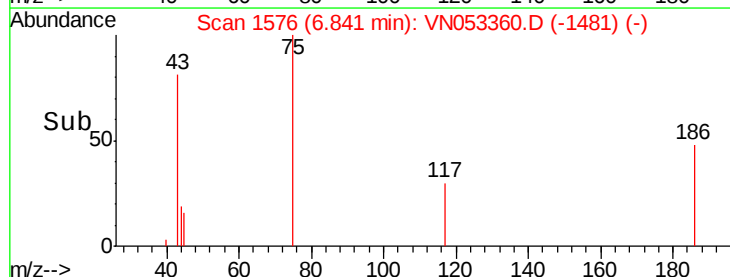
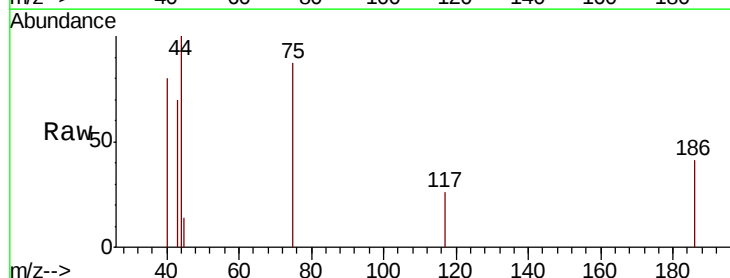
Acq: 11 Jan 2019 12:29

Tgt Ion: 43 Resp: 2603

Ion Ratio Lower Upper

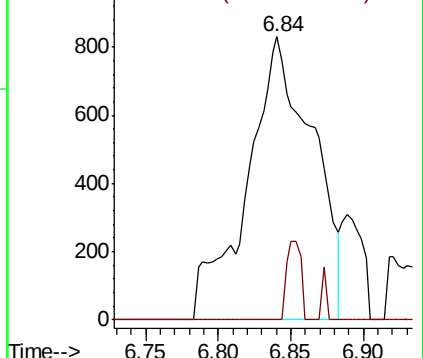
43 100

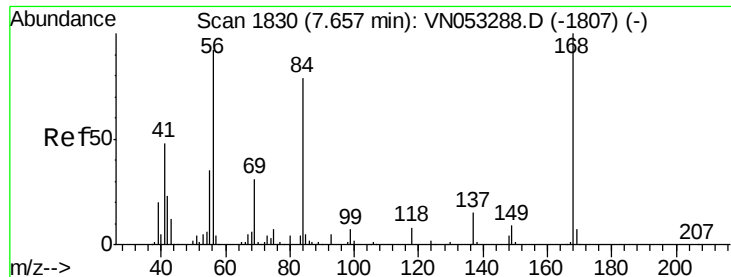
72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

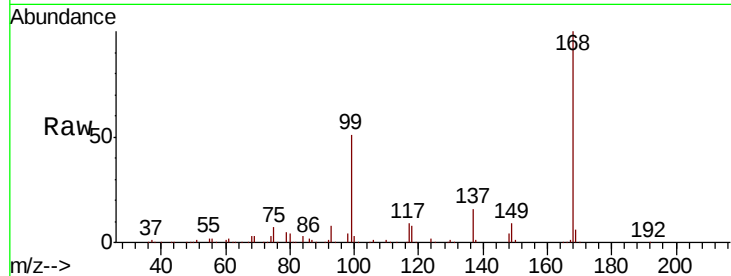
Ion 72.00 (71.70 to 72.70): VN0



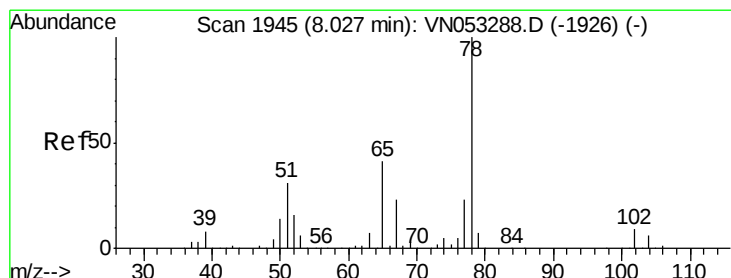
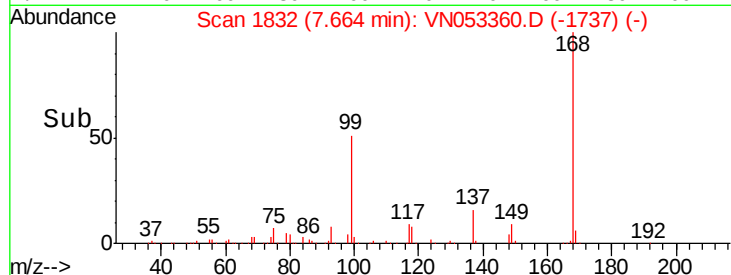
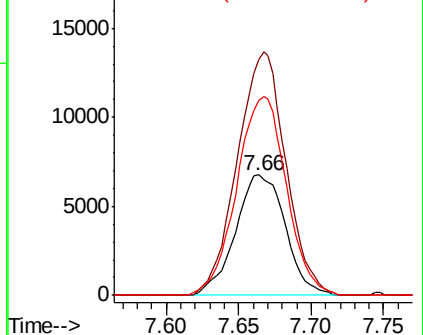


#31
Cyclohexane
Concen: 0.717 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053360.D
Acq: 11 Jan 2019 12:29

Tgt Ion: 56 Resp: 16180
Ion Ratio Lower Upper
56 100
69 195.9 26.7 40.1#
84 161.5 68.2 102.4#

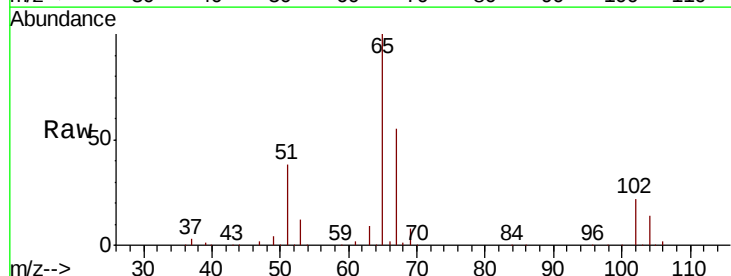


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

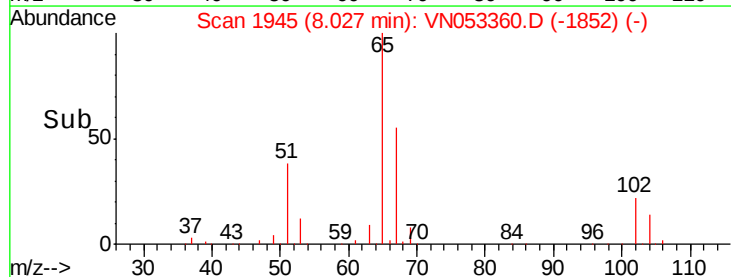
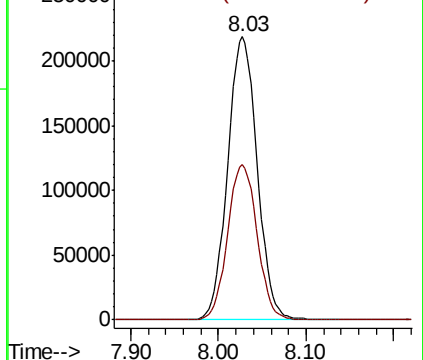


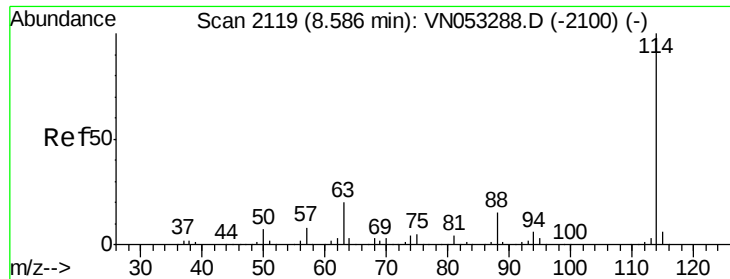
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053360.D
Acq: 11 Jan 2019 12:29

Tgt Ion: 65 Resp: 511201
Ion Ratio Lower Upper
65 100
67 55.2 0.0 111.0



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

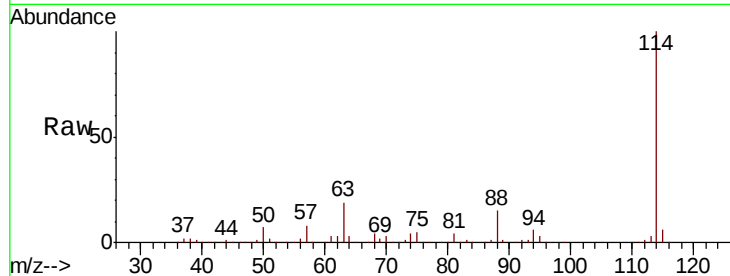




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053360.D
 Acq: 11 Jan 2019 12:29

Tgt Ion:114 Resp: 1578113

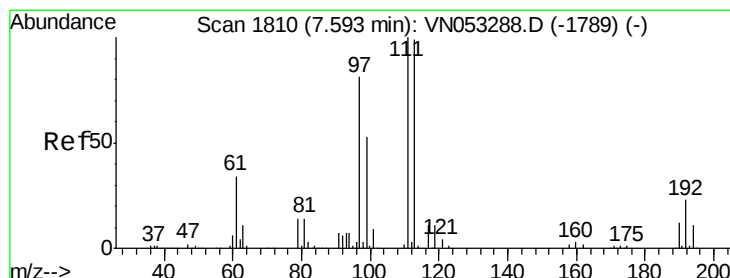
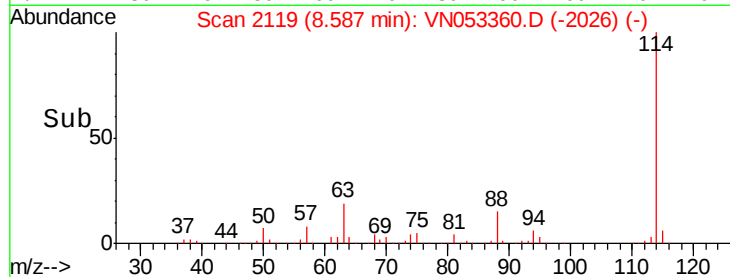
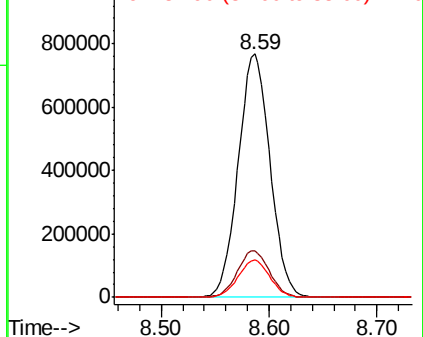
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.0
88	15.4	0.0	30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

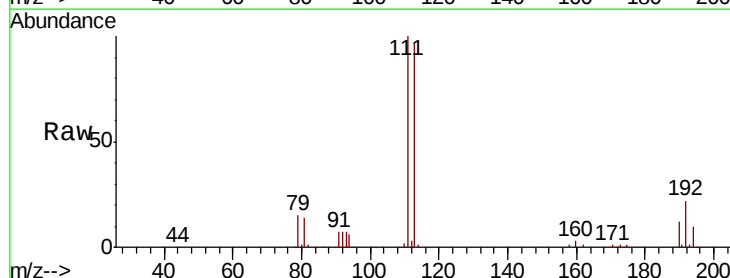
Ion 87.90 (87.60 to 88.60): VN



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053360.D
 Acq: 11 Jan 2019 12:29

Tgt Ion:113 Resp: 442677

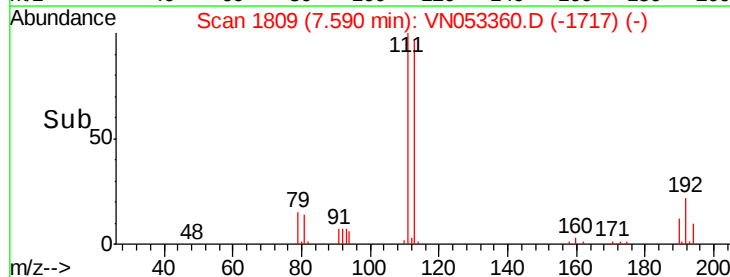
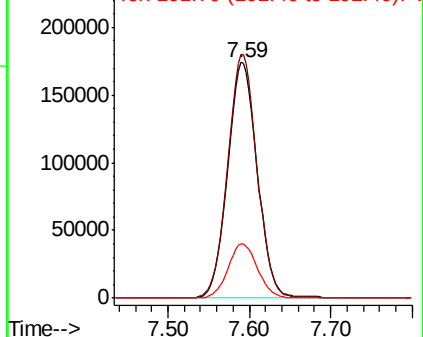
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.2
192	23.0	17.9	26.9

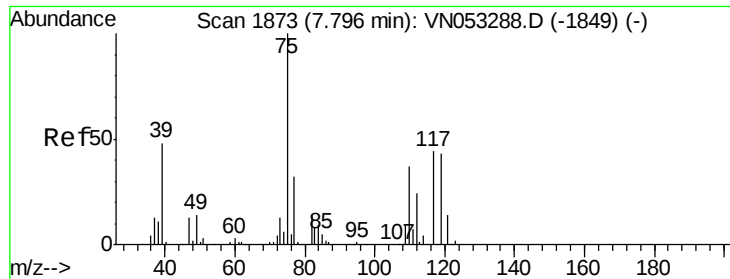


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.453 ug/l

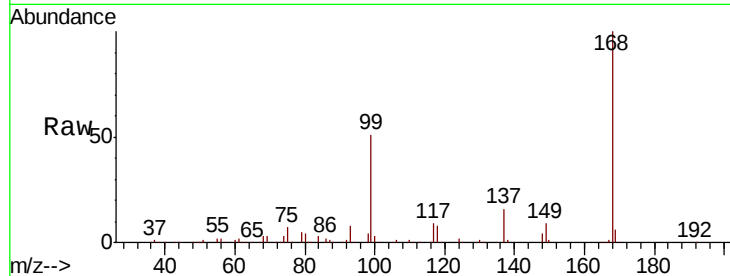
RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053360.D

Acq: 11 Jan 2019 12:29

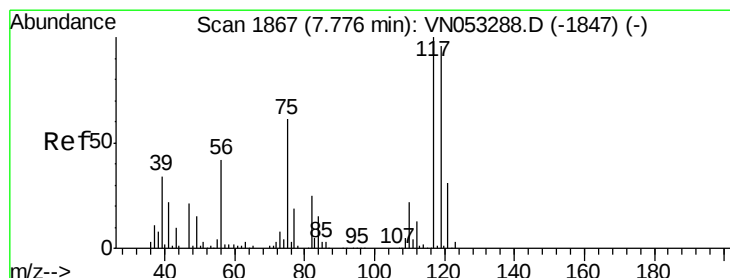
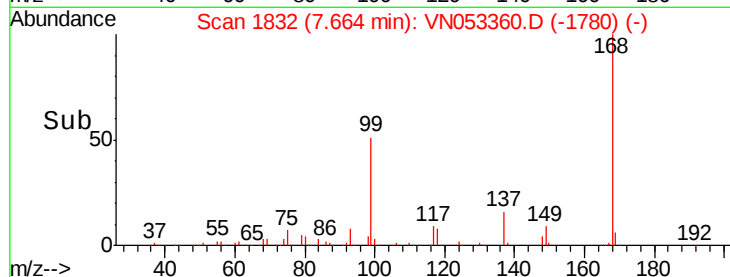
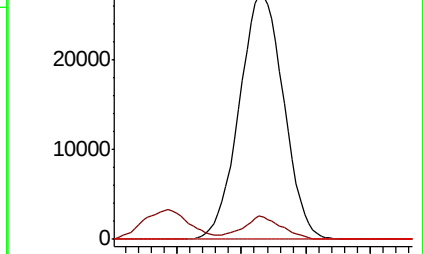
Tgt Ion:	75	Resp:	65611
Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.4	55.0#
77	0.0	25.3	37.9#



Abundance Ion 74.90 (74.60 to 75.60): VN053360.D (-1780) (-)

Ion 109.90 (109.60 to 110.60): VN053360.D (-1780) (-)

Ion 76.90 (76.60 to 77.60): VN053360.D (-1780) (-)



#38

Carbon Tetrachloride

Concen: 6.333 ug/l

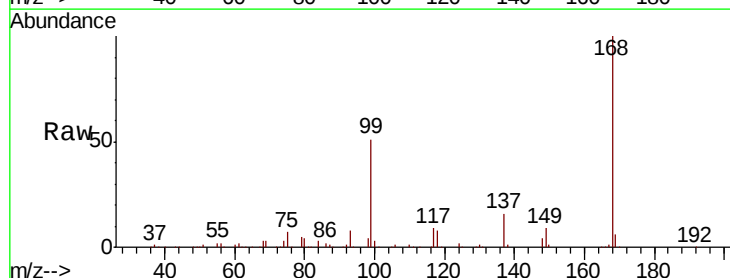
RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053360.D

Acq: 11 Jan 2019 12:29

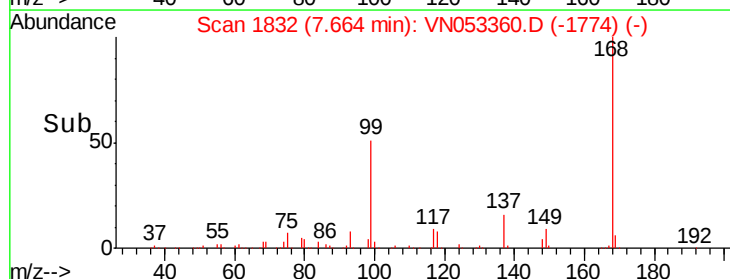
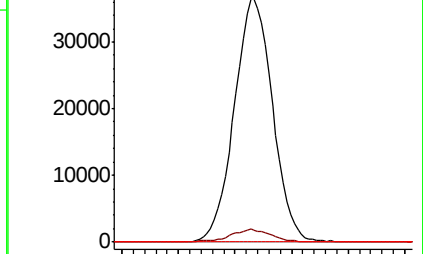
Tgt Ion:	117	Resp:	86112
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.6	115.0#
121	0.0	25.0	37.4#

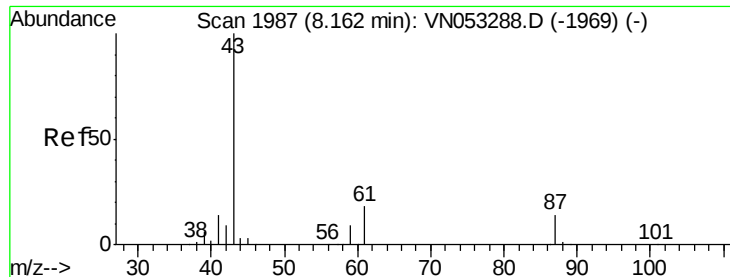


Abundance Ion 116.80 (116.50 to 117.50): VN053360.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN053360.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN053360.D (-1774) (-)





#43

Isopropyl Acetate

Concen: 2.432 ug/l

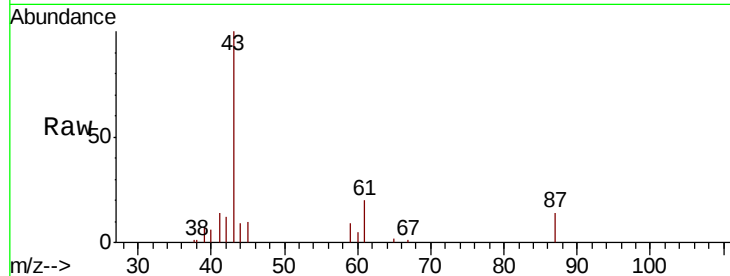
RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053360.D

Acq: 11 Jan 2019 12:29

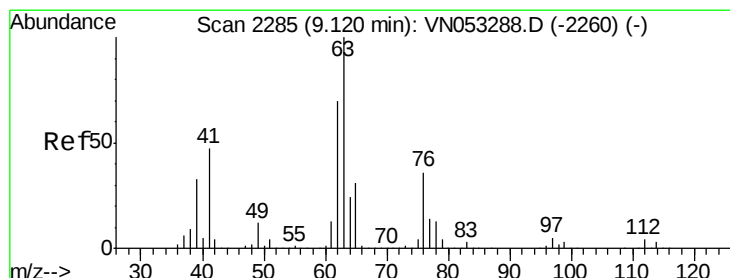
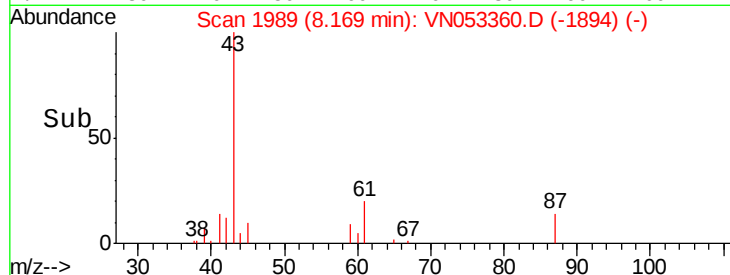
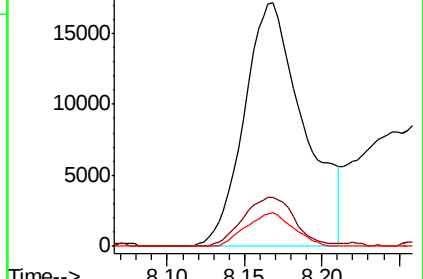
Tgt Ion:	43	Resp:	45914
Ion	Ratio	Lower	Upper
43	100		
61	17.6	23.3	34.9#
87	10.8	10.8	16.2



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053288.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053288.D (-1969) (-)



#45

1,2-Dichloropropane

Concen: 0.251 ug/l

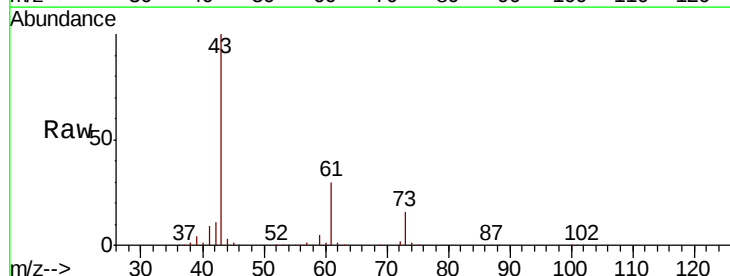
RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053360.D

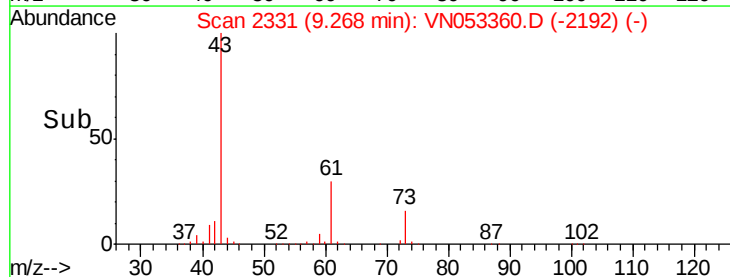
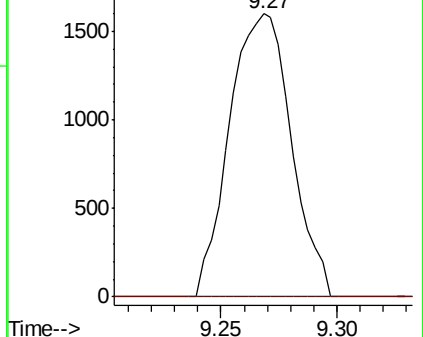
Acq: 11 Jan 2019 12:29

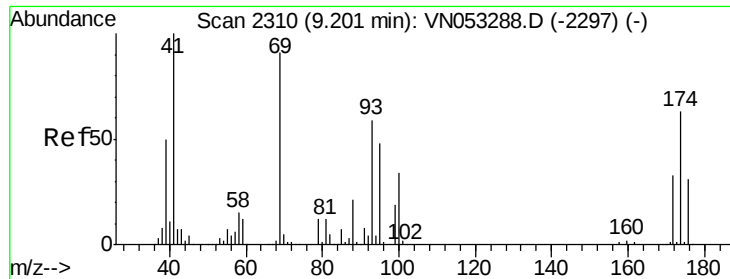
Tgt Ion:	63	Resp:	2959
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN053288.D (-2260) (-)

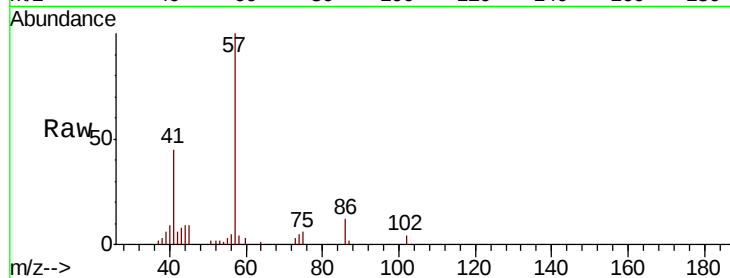
Ion 64.90 (64.60 to 65.60): VN053288.D (-2260) (-)



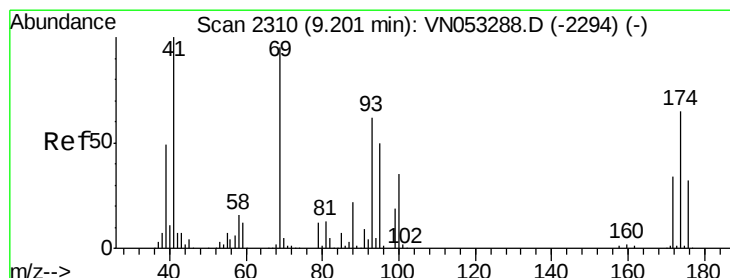
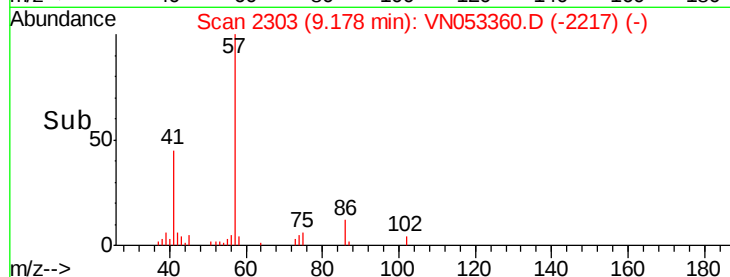
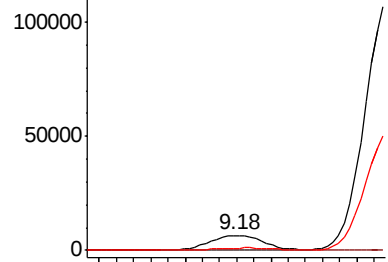


#48
Methyl methacrylate
Concen: 1.574 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053360.D
Acq: 11 Jan 2019 12:29

Tgt Ion: 41 Resp: 13497
Ion Ratio Lower Upper
41 100
69 0.0 73.5 110.3#
39 0.0 41.6 62.4#

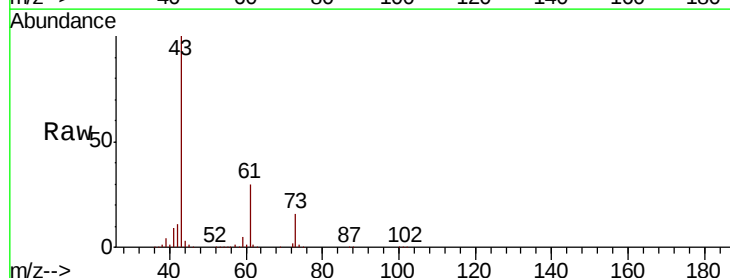


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

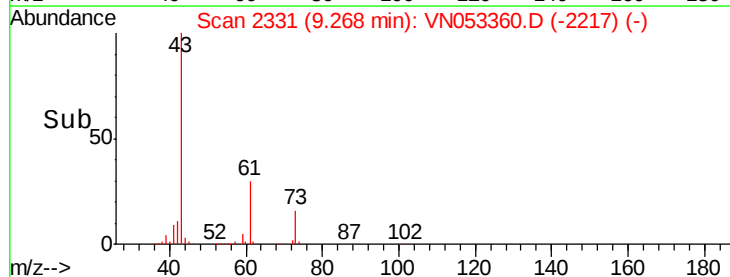
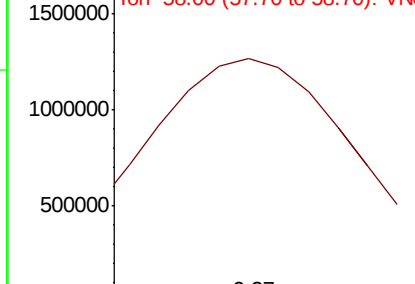


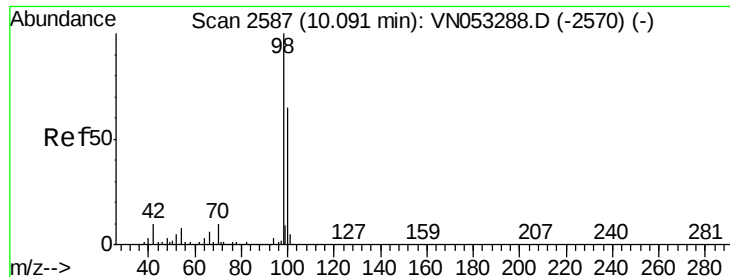
#49
1,4-Dioxane
Concen: 0.657 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN053360.D
Acq: 11 Jan 2019 12:29

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 3842425.0 26.2 39.4#
58 16650.0 55.5 83.3#



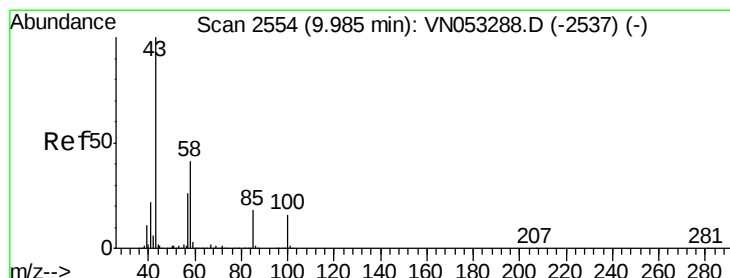
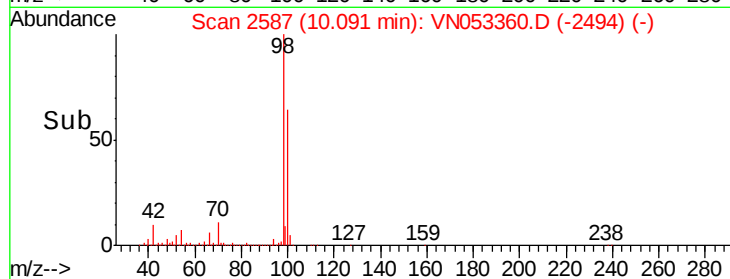
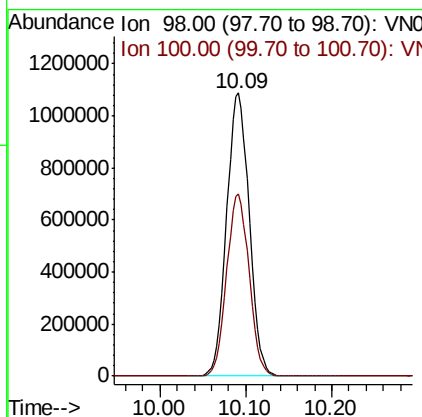
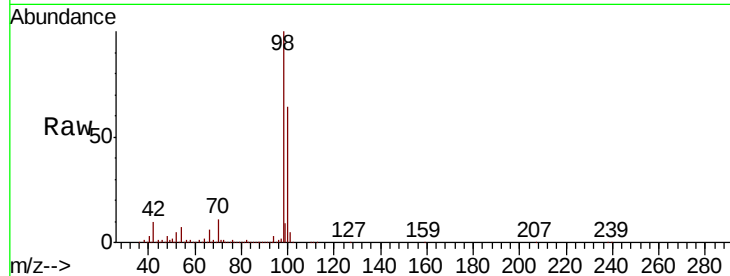
Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





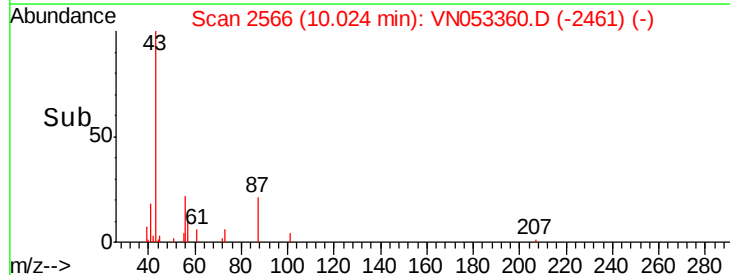
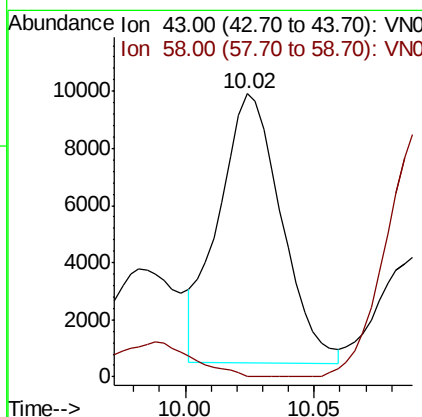
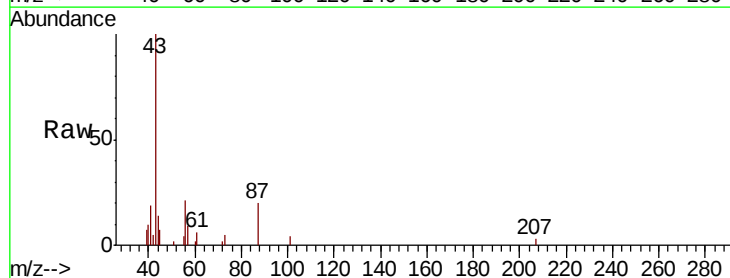
#50
Toluene-d8
Concen: 0.657 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053360.D
Acq: 11 Jan 2019 12:29

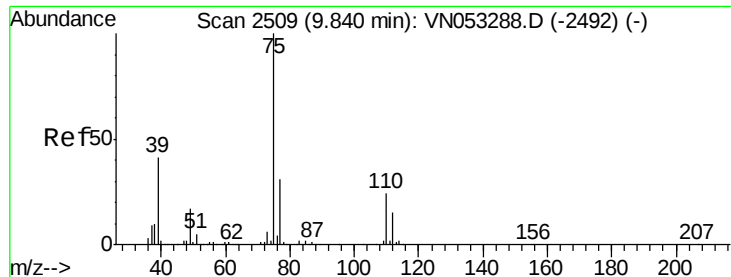
Tgt Ion: 98 Resp: 1983803
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.680 ug/l
RT: 10.02 min Scan# 2566
Delta R.T. 0.04 min
Lab File: VN053360.D
Acq: 11 Jan 2019 12:29

Tgt Ion: 43 Resp: 15953
Ion Ratio Lower Upper
43 100
58 0.0 32.7 49.1#





#54

cis-1,3-Dichloropropene

Concen: 6.538 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053360.D

Acq: 11 Jan 2019 12:29

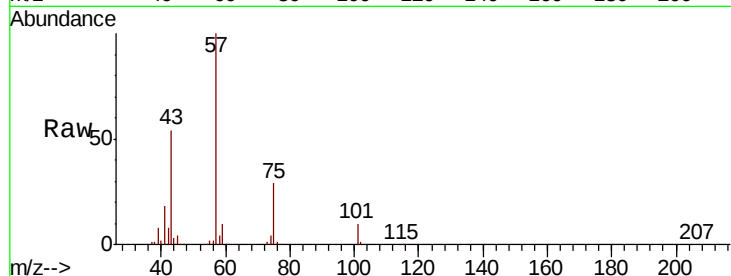
Tgt Ion: 75 Resp: 110839

Ion Ratio Lower Upper

75 100

77 0.3 25.1 37.7#

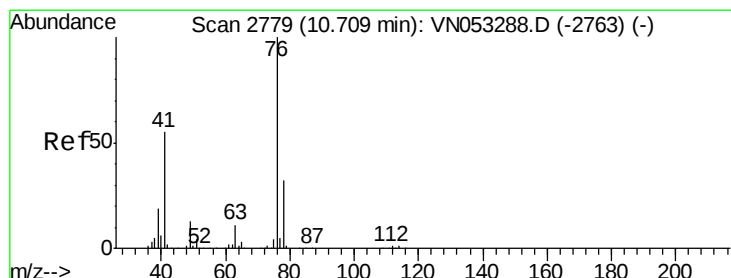
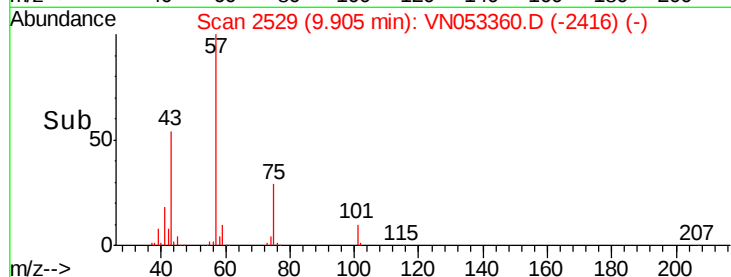
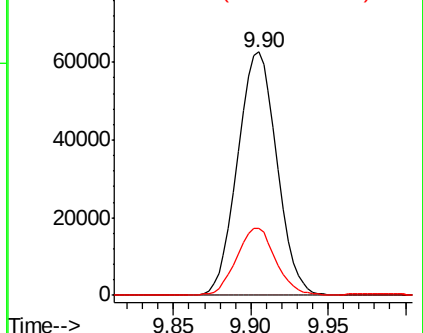
39 27.5 33.1 49.7#



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



#57

1,3-Dichloropropane

Concen: 1.333 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053360.D

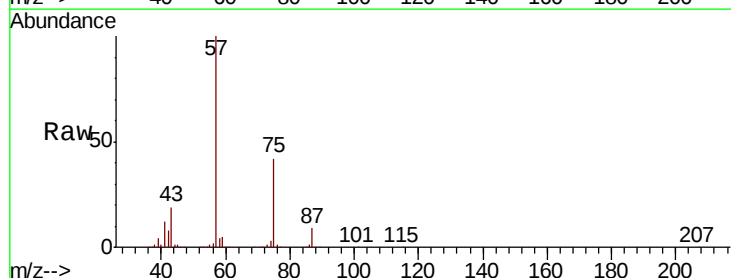
Acq: 11 Jan 2019 12:29

Tgt Ion: 76 Resp: 22633

Ion Ratio Lower Upper

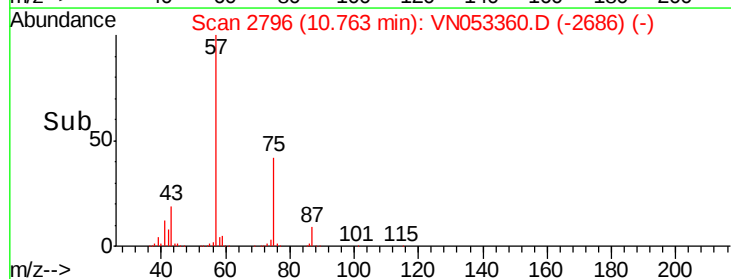
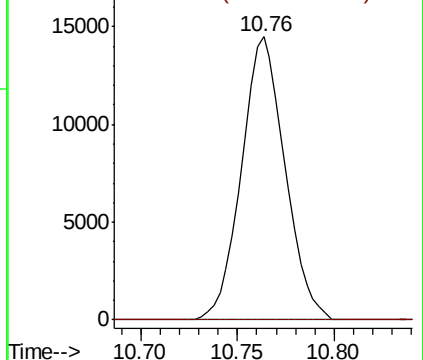
76 100

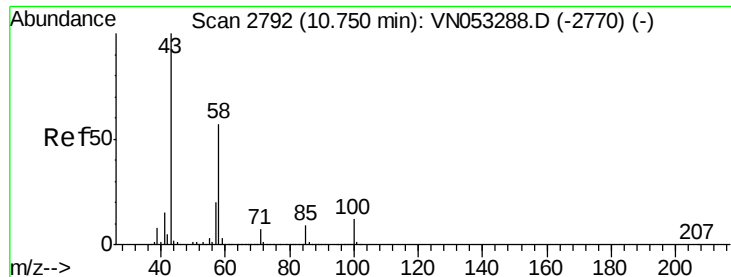
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

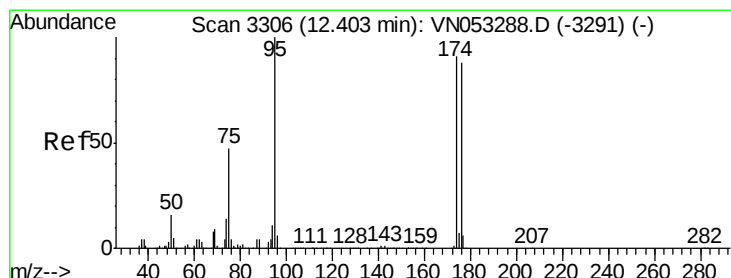
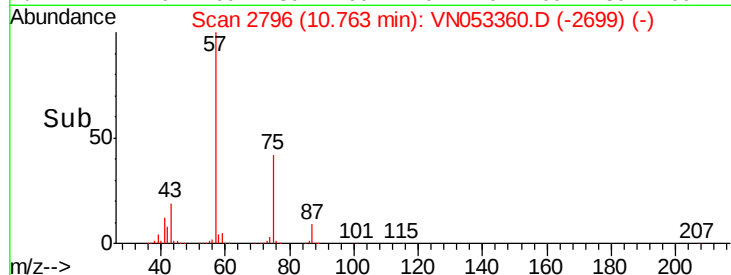
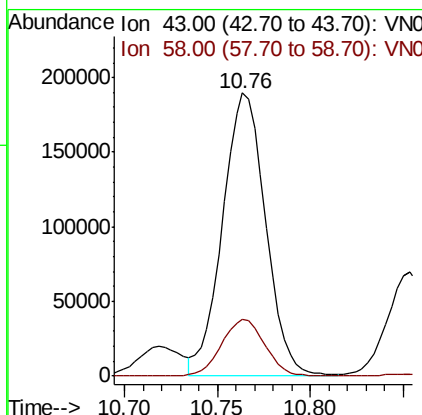
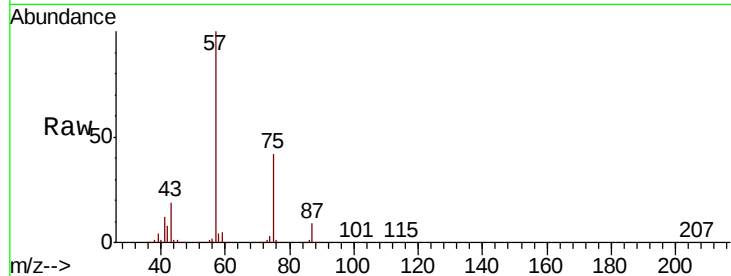
Ion 77.90 (77.60 to 78.60): VN0





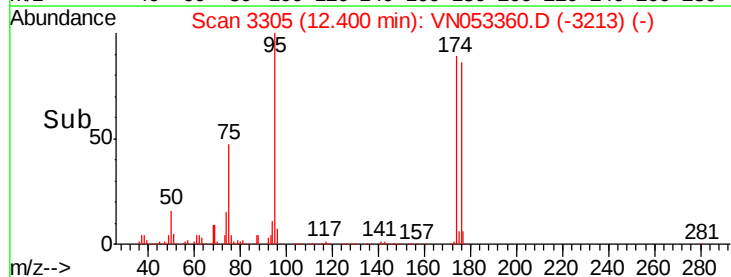
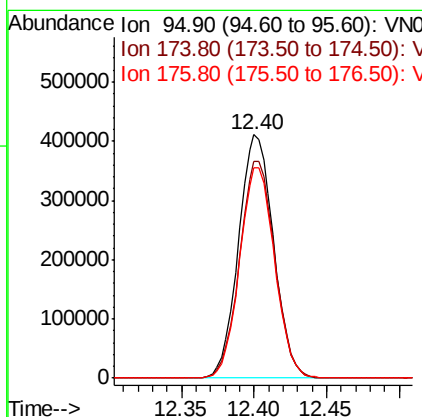
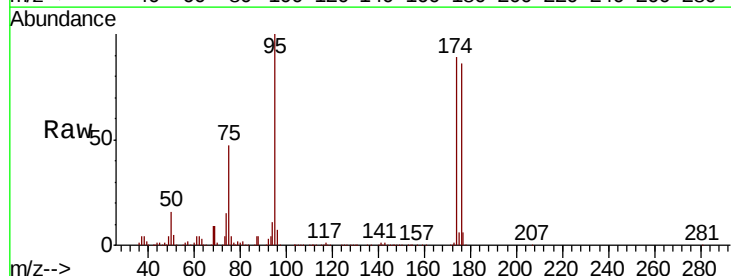
#59
2-Hexanone
Concen: 46.806 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053360.D
Acq: 11 Jan 2019 12:29

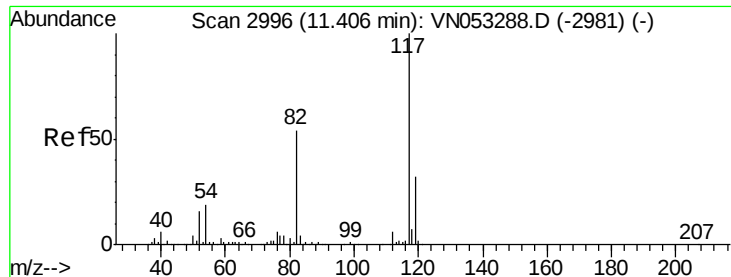
Tgt Ion: 43 Resp: 304458
Ion Ratio Lower Upper
43 100
58 20.4 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053360.D
Acq: 11 Jan 2019 12:29

Tgt Ion: 95 Resp: 688966
Ion Ratio Lower Upper
95 100
174 89.8 0.0 180.4
176 86.7 0.0 175.6

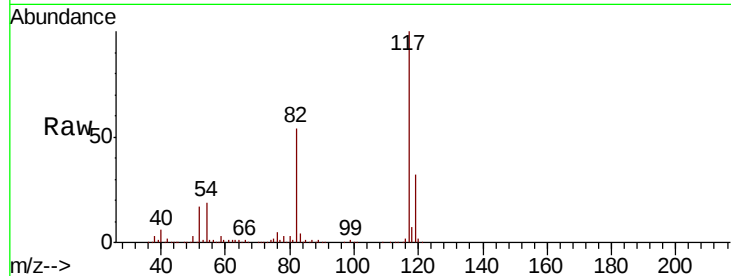




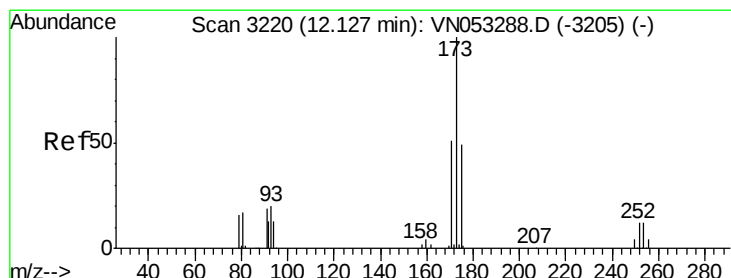
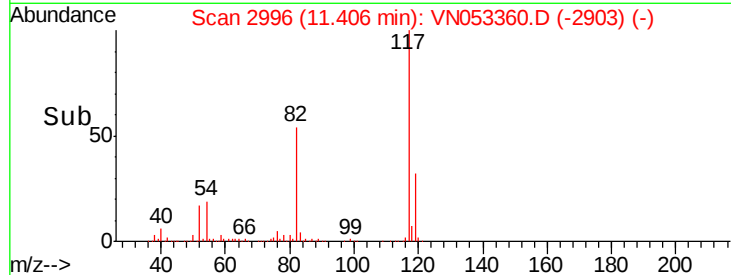
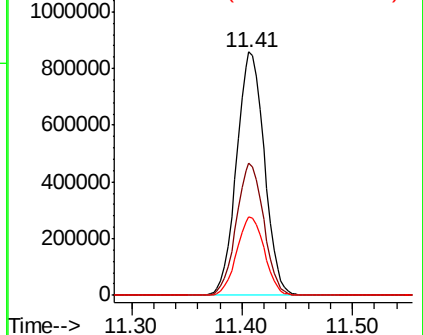
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053360.D
Acq: 11 Jan 2019 12:29

Tgt Ion:117 Resp: 1496731

Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.9	64.3
119	32.0	25.6	38.4



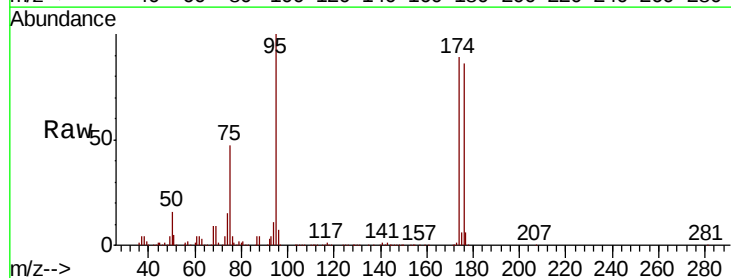
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



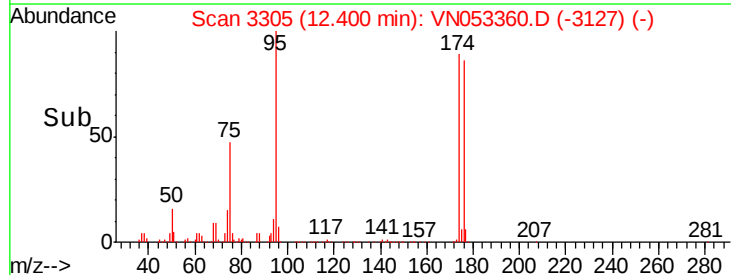
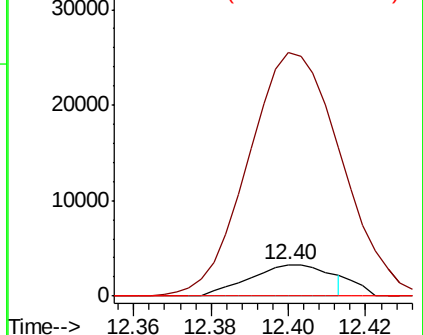
#71
Bromoform
Concen: 0.586 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053360.D
Acq: 11 Jan 2019 12:29

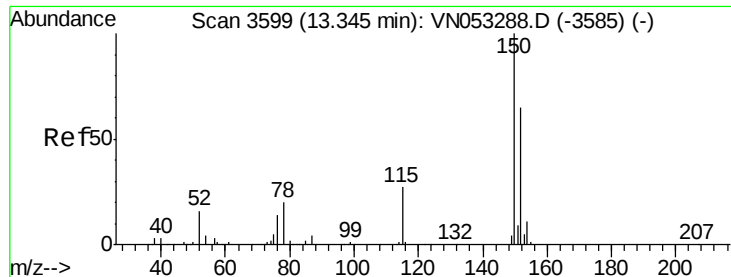
Tgt Ion:173 Resp: 4714

Ion	Ratio	Lower	Upper
173	100		
175	789.1	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: VN053360.D

Acq: 11 Jan 2019 12:29

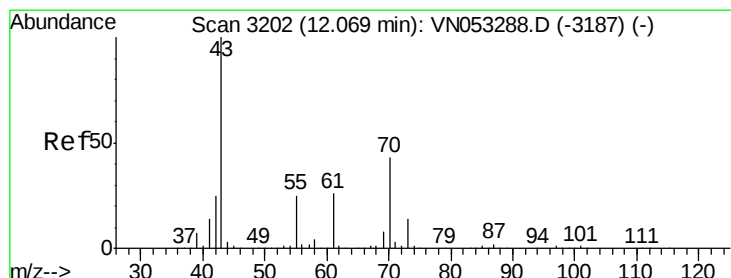
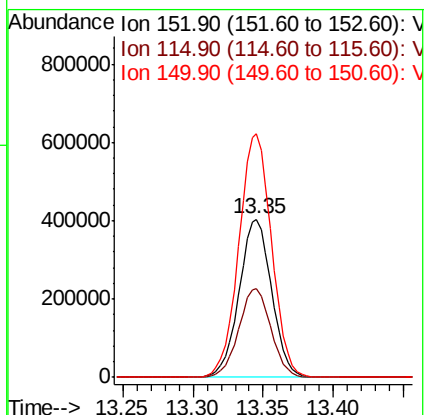
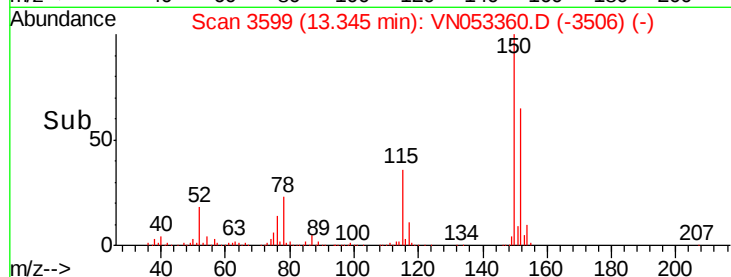
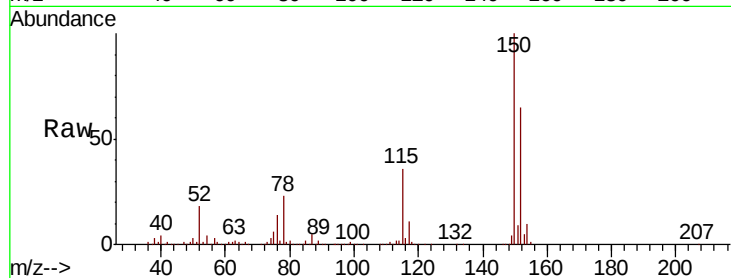
Tgt Ion:152 Resp: 650340

Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

150 155.1 0.0 346.6



#74

N-ethyl acetate

Concen: 2.538 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053360.D

Acq: 11 Jan 2019 12:29

Tgt Ion: 43 Resp: 36699

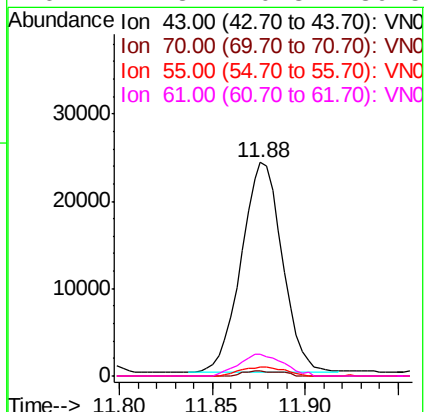
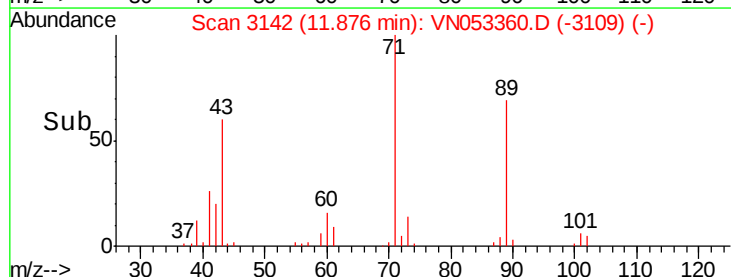
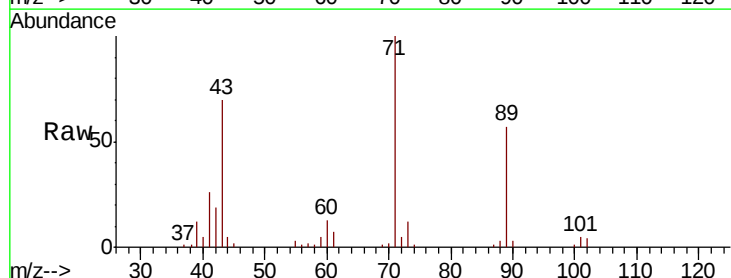
Ion Ratio Lower Upper

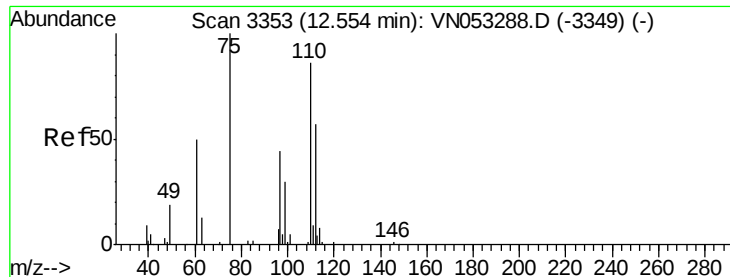
43 100

70 2.2 35.0 52.6#

55 4.7 20.0 30.0#

61 11.3 20.3 30.5#





#76

1,2,3-Trichloropropane

Concen: 33.902 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053360.D

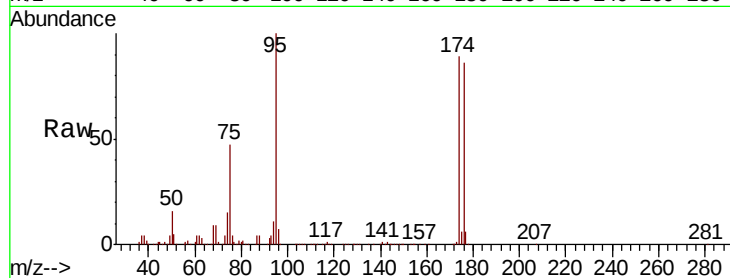
Acq: 11 Jan 2019 12:29

Tgt Ion: 75 Resp: 321582

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053360.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053360.D (-3260) (-)

12.40

200000

150000

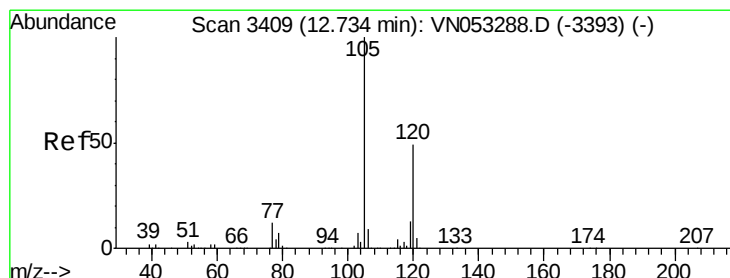
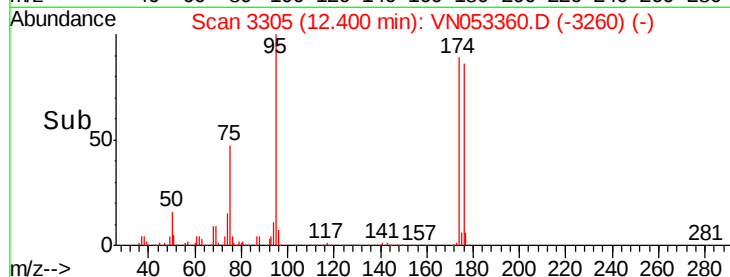
100000

50000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.206 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053360.D

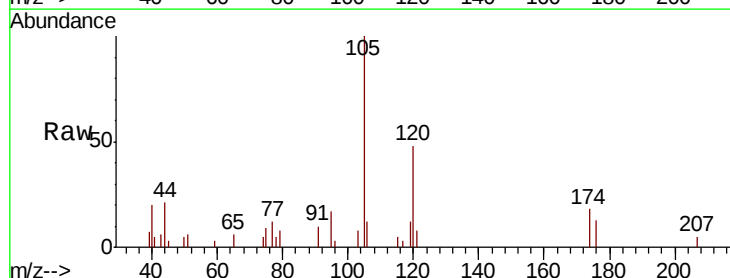
Acq: 11 Jan 2019 12:29

Tgt Ion: 105 Resp: 8028

Ion Ratio Lower Upper

105 100

120 50.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN053360.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN053360.D (-3316) (-)

12.73

6000

5000

4000

3000

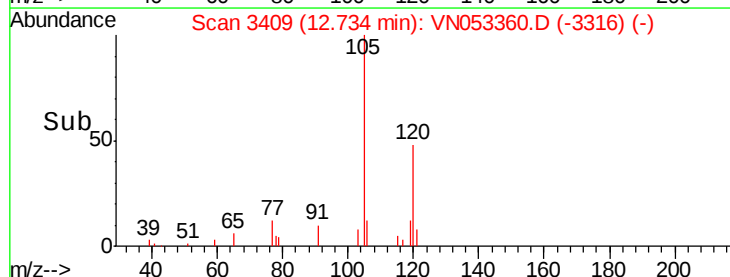
2000

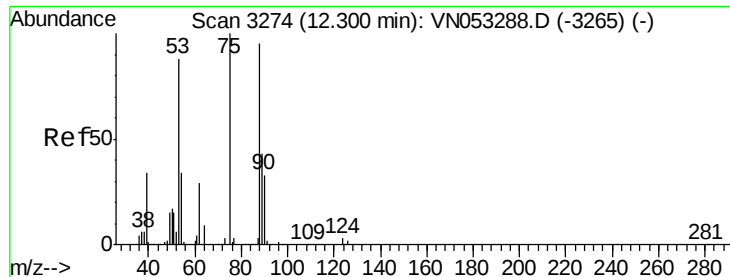
1000

0

12.70 12.75

Time-->





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.746 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053360.D
 Acq: 11 Jan 2019 12:29

Tgt Ion: 75 Resp: 321582
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 35.4 53.0#

