

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011119\
 Data File : VN053366.D
 Acq On : 11 Jan 2019 15:10
 Operator : JC/SP
 Sample : PB116316ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 28

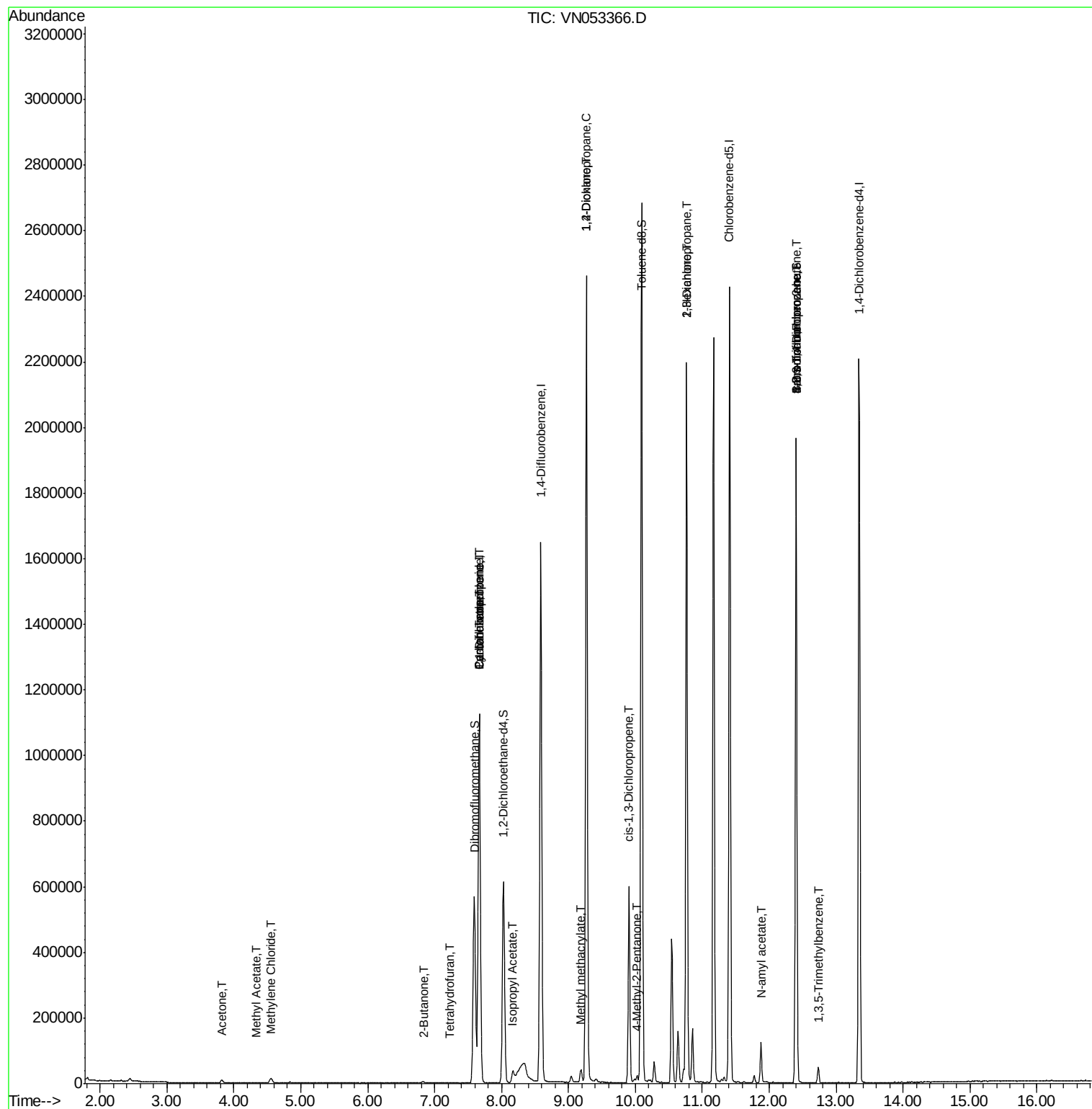
Quant Time: Jan 12 00:41:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

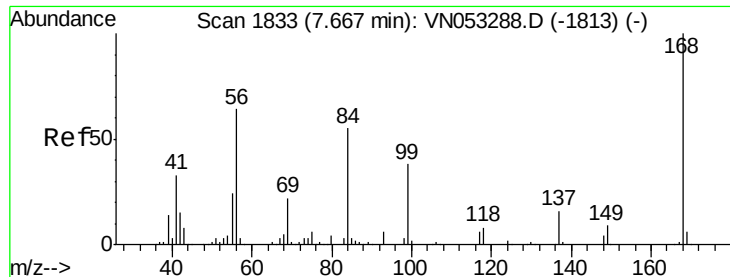
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	980522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1537455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1453705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	639619	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	502919	49.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.60%	
35) Dibromofluoromethane	7.59	113	432884	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.92%	
50) Toluene-d8	10.09	98	1917443	50.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	669789	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.34%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	15247	4.011	ug/l #	85
18) Methyl Acetate	4.34	43	3860	0.418	ug/l #	75
20) Methylene Chloride	4.55	84	11469	1.047	ug/l #	90
25) 2-Butanone	6.85	43	2302	0.550	ug/l	94
29) Tetrahydrofuran	7.21	42	1790	0.648	ug/l #	55
31) Cyclohexane	7.66	56	15494	0.698	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	64488	4.493	ug/l #	48
38) Carbon Tetrachloride	7.67	117	84785	6.400	ug/l #	16
43) Isopropyl Acetate	8.17	43	47902	2.605	ug/l #	82
45) 1,2-Dichloropropane	9.27	63	3200	0.278	ug/l #	43
48) Methyl methacrylate	9.18	41	14375	1.720	ug/l #	12
49) 1,4-Dioxane	9.27	88	251	2.819	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	17038	1.842	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	110283	6.677	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	23758	1.436	ug/l #	42
59) 2-Hexanone	10.76	43	310860	49.054	ug/l #	50
71) Bromoform	12.40	173	3917	0.502	ug/l #	1
74) N-amyl acetate	11.88	43	36668	2.579	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	313595	33.614	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	24732	0.645	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	313595	98.899	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: VN053366.D

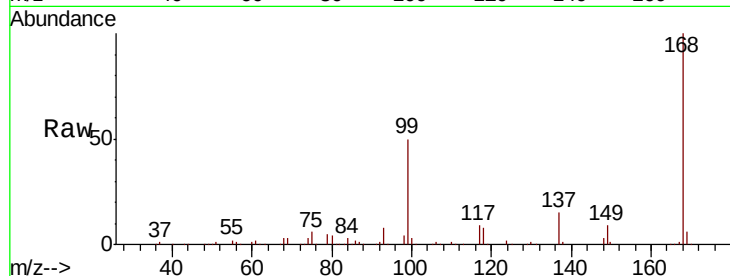
Acq: 11 Jan 2019 15:10

Tgt Ion: 168 Resp: 980522

Ion Ratio Lower Upper

168 100

99 49.8 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

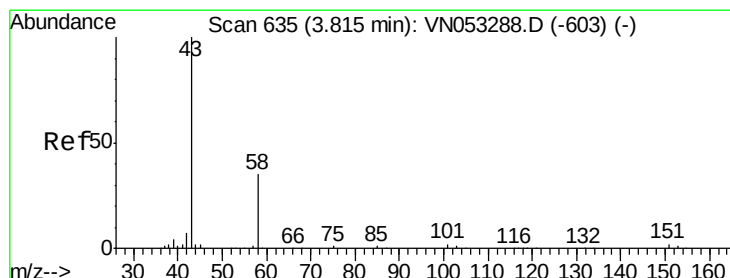
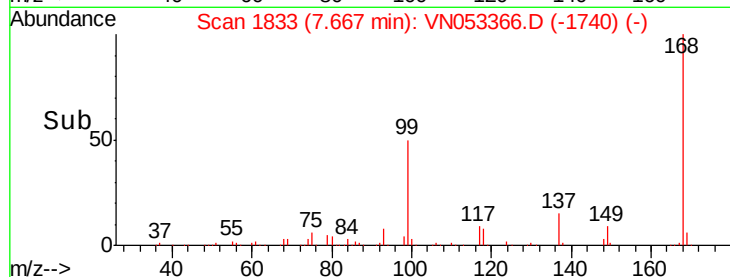
200000

100000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 4.011 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053366.D

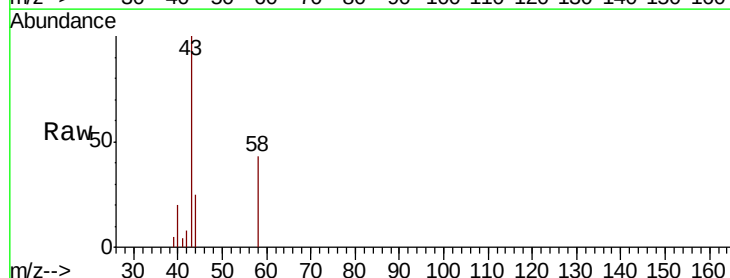
Acq: 11 Jan 2019 15:10

Tgt Ion: 43 Resp: 15247

Ion Ratio Lower Upper

43 100

58 43.2 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

6000

5000

4000

3000

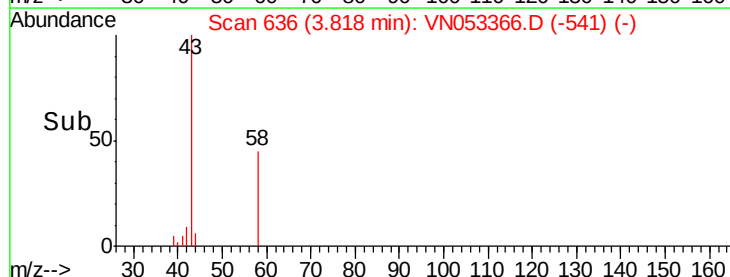
2000

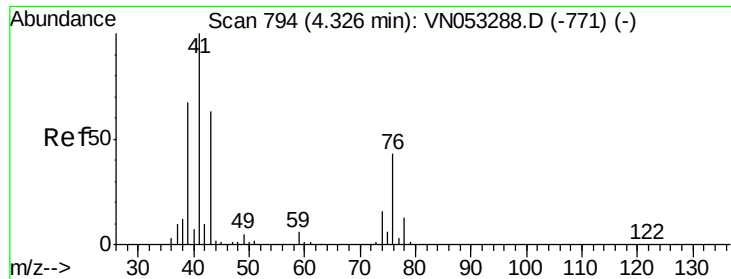
1000

0

3.75 3.80 3.85 3.90

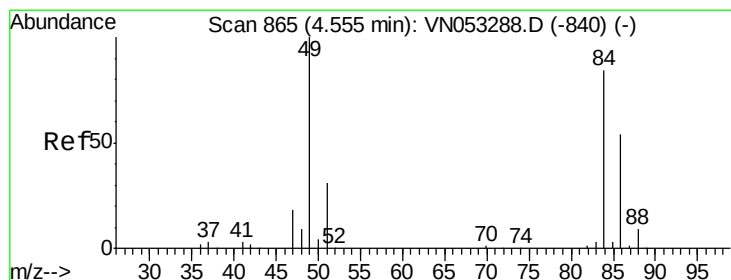
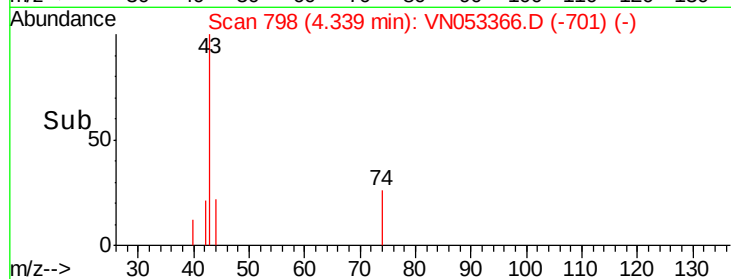
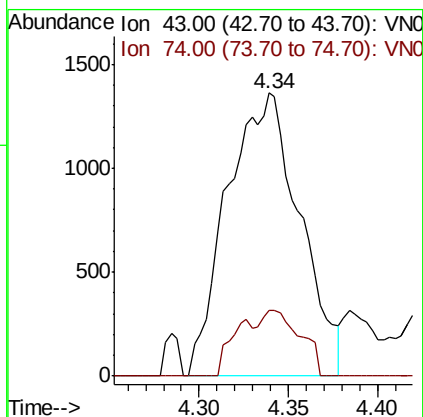
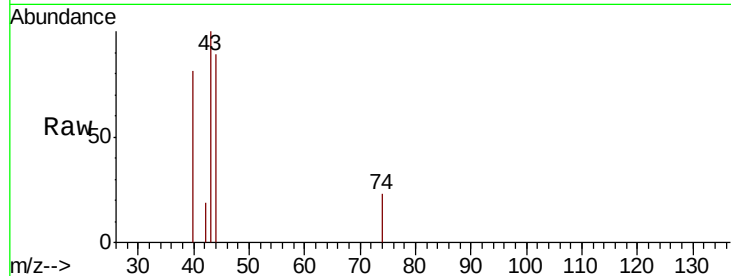
Time-->





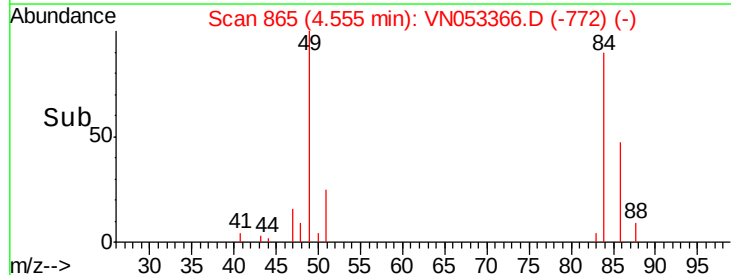
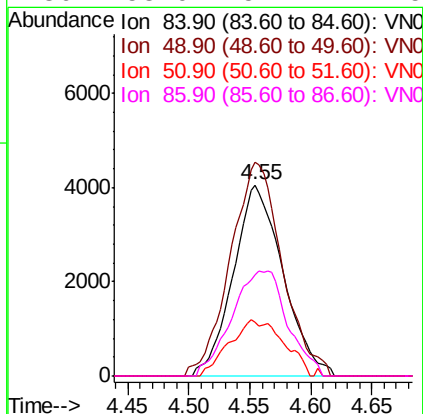
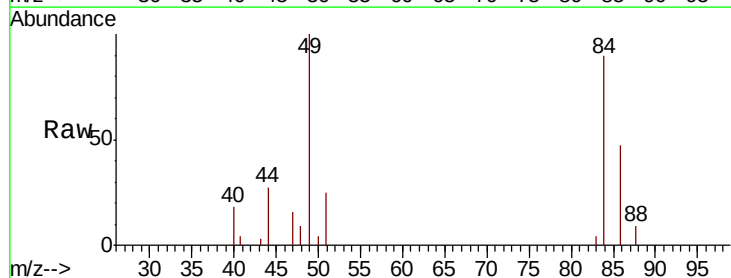
#18
Methyl Acetate
Concen: 0.418 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

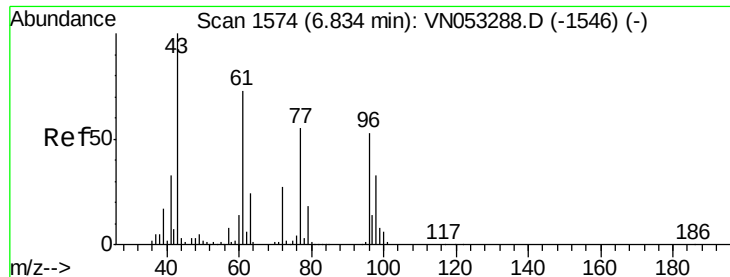
Tgt Ion: 43 Resp: 3860
Ion Ratio Lower Upper
43 100
74 12.1 19.8 29.8#



#20
Methylene Chloride
Concen: 1.047 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

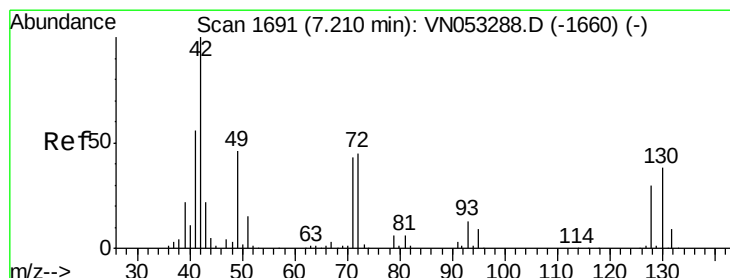
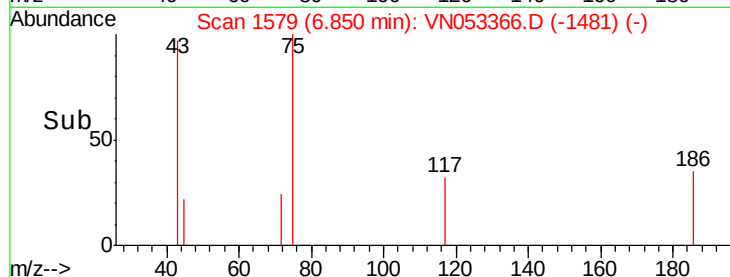
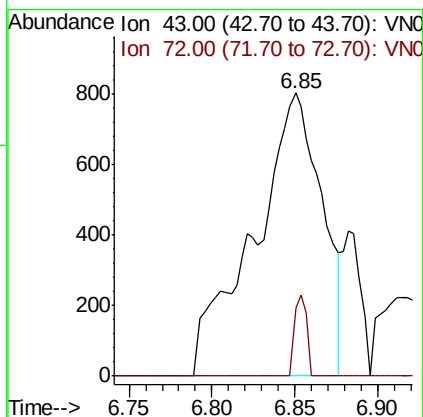
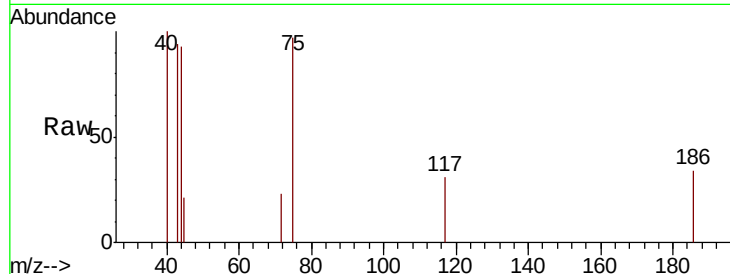
Tgt Ion: 84 Resp: 11469
Ion Ratio Lower Upper
84 100
49 111.6 95.3 142.9
51 28.4 29.0 43.6#
86 53.0 51.7 77.5





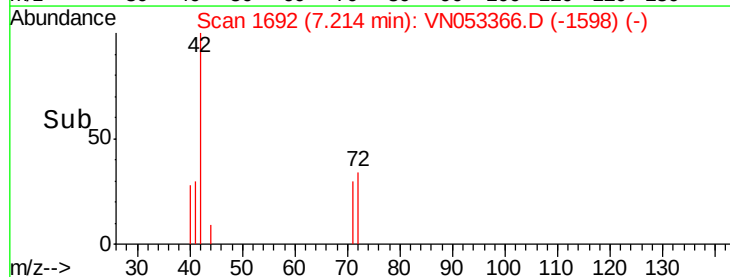
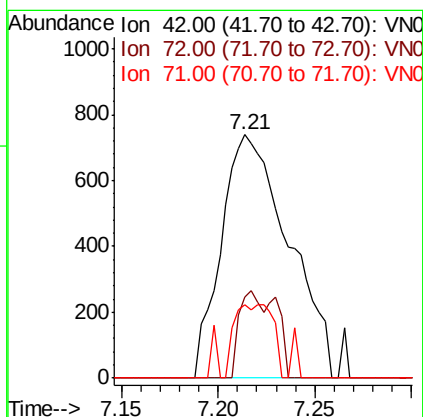
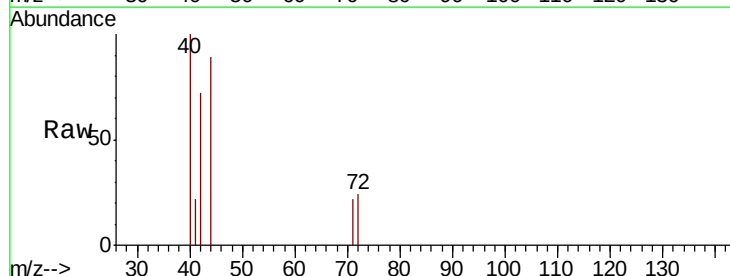
#25
2-Butanone
Concen: 0.550 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

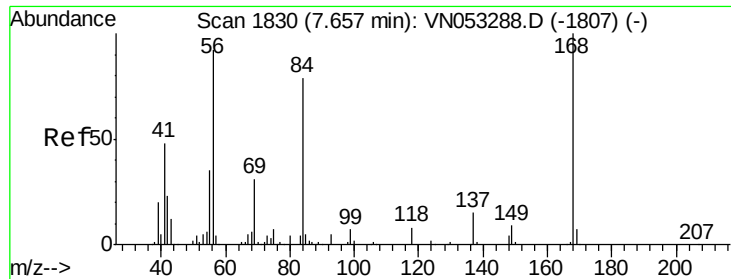
Tgt Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
72 24.3 22.0 33.0



#29
Tetrahydrofuran
Concen: 0.648 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

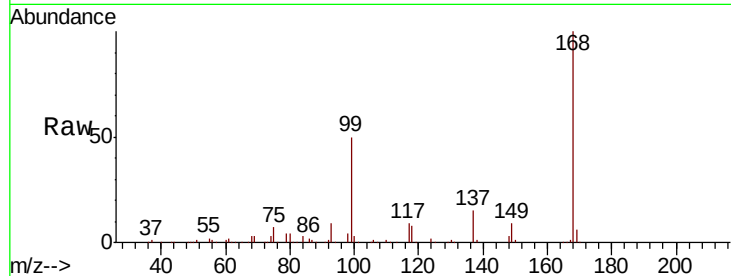
Tgt Ion: 42 Resp: 1790
Ion Ratio Lower Upper
42 100
72 12.2 35.6 53.4#
71 17.4 33.8 50.8#



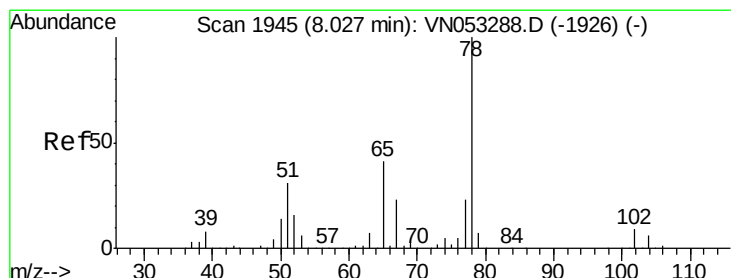
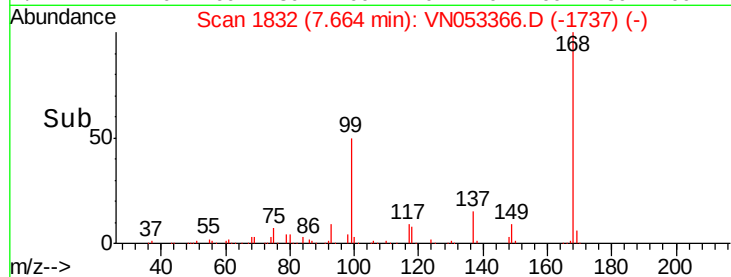
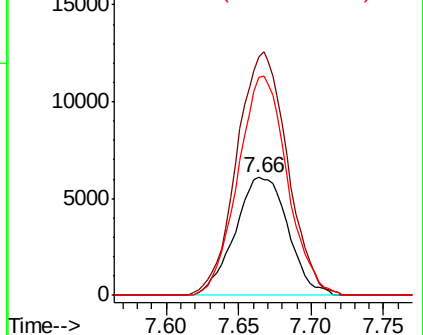


#31
Cyclohexane
Concen: 0.698 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

Tgt Ion: 56 Resp: 15494
Ion Ratio Lower Upper
56 100
69 203.0 26.7 40.1#
84 185.3 68.2 102.4#

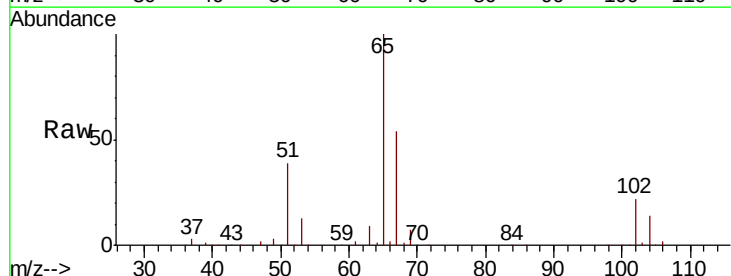


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

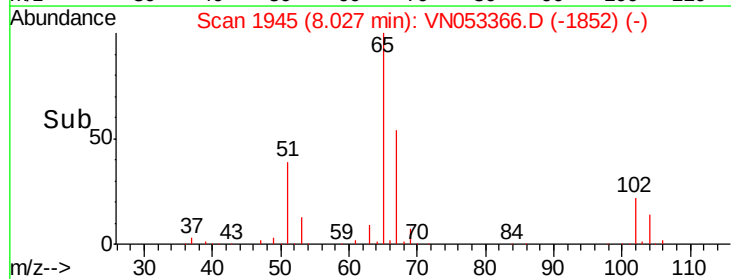
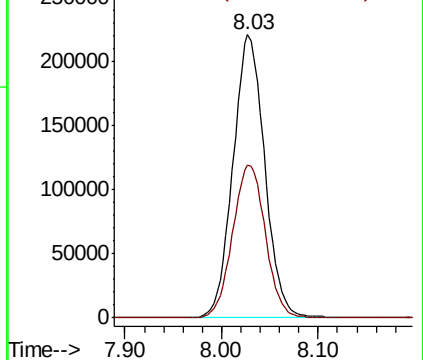


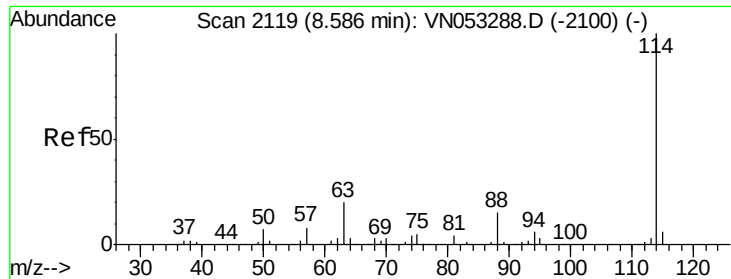
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

Tgt Ion: 65 Resp: 502919
Ion Ratio Lower Upper
65 100
67 55.7 0.0 111.0



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

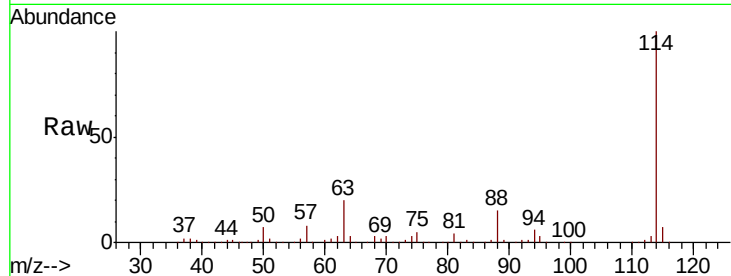




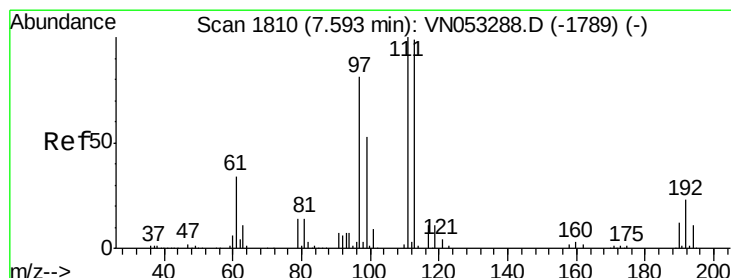
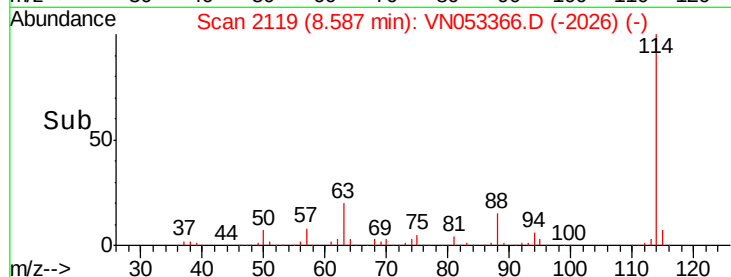
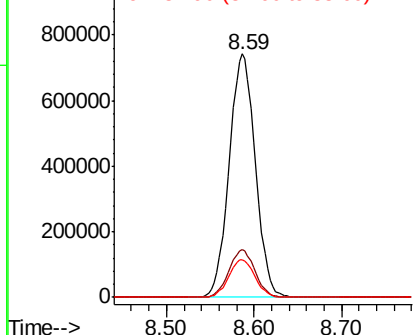
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

Tgt Ion:114 Resp: 1537455

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.0
88	15.4	0.0	30.8



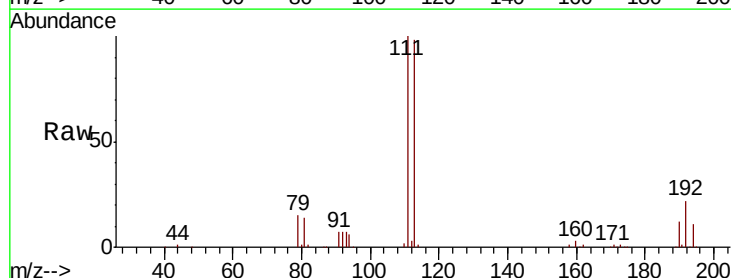
Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN



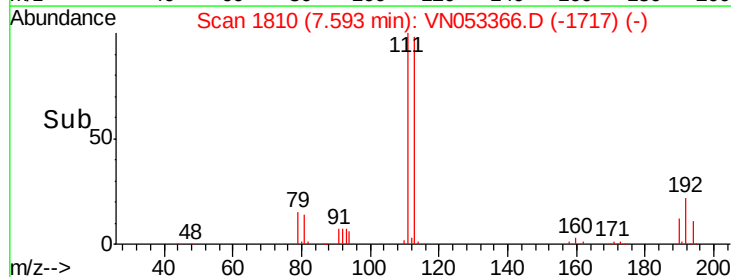
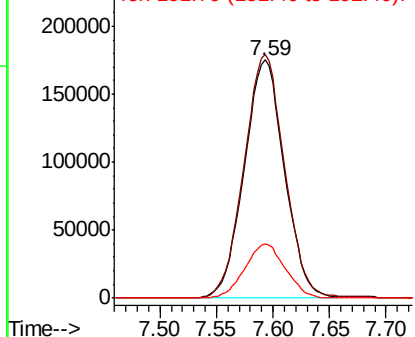
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

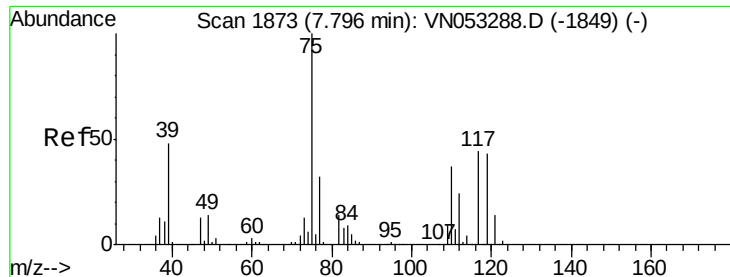
Tgt Ion:113 Resp: 432884

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.2
192	23.0	17.9	26.9



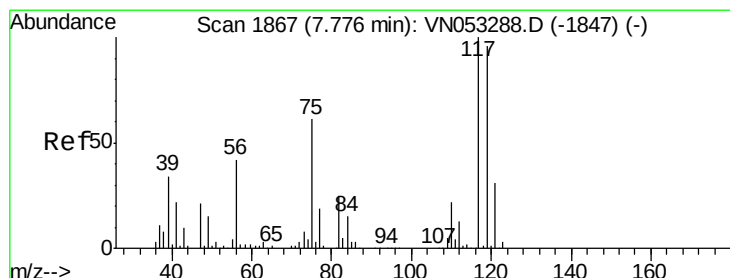
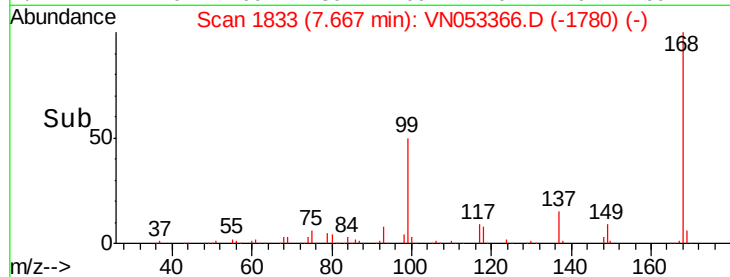
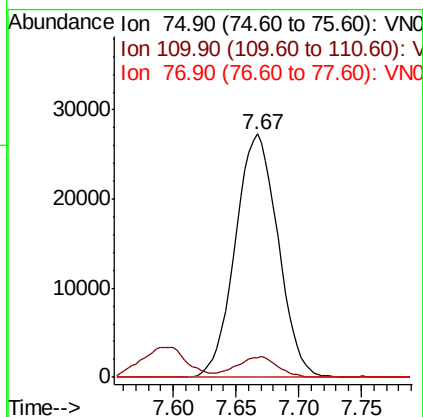
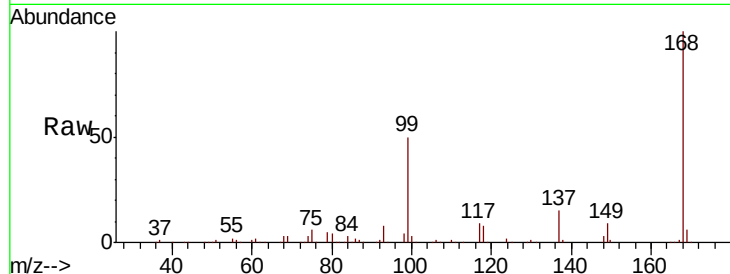
Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





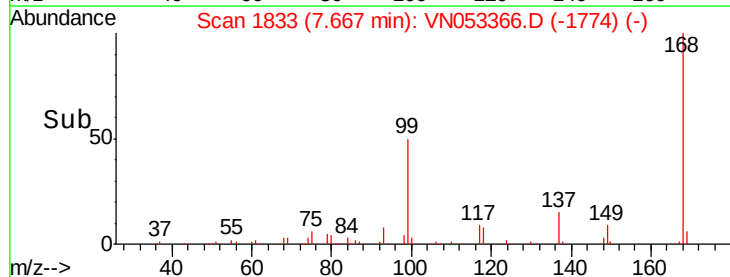
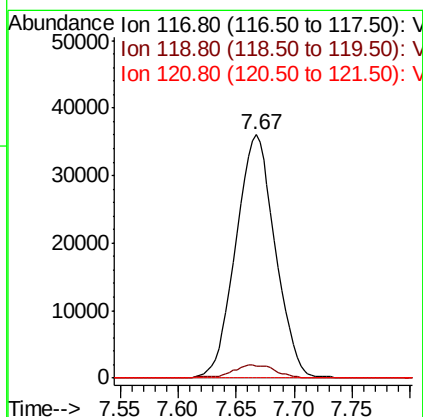
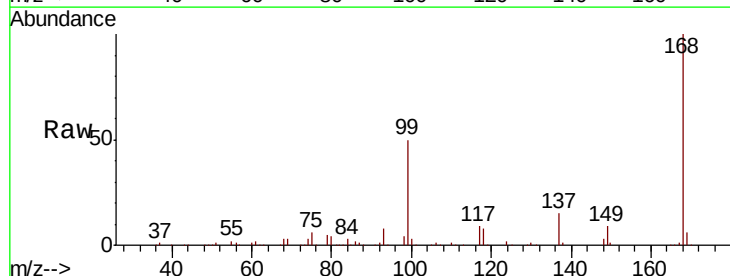
#36
 1,1-Dichloropropene
 Concen: 4.493 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053366.D
 Acq: 11 Jan 2019 15:10

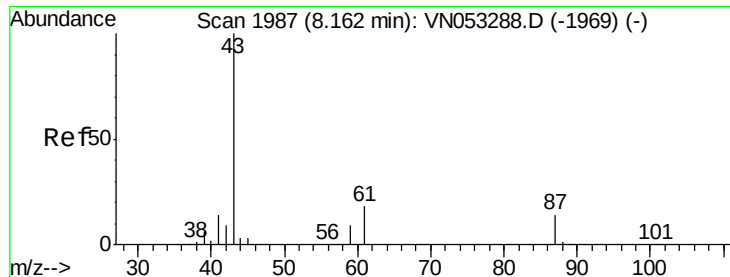
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.4	55.0#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.400 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053366.D
 Acq: 11 Jan 2019 15:10

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





#43

Isopropyl Acetate

Concen: 2.605 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053366.D

Acq: 11 Jan 2019 15:10

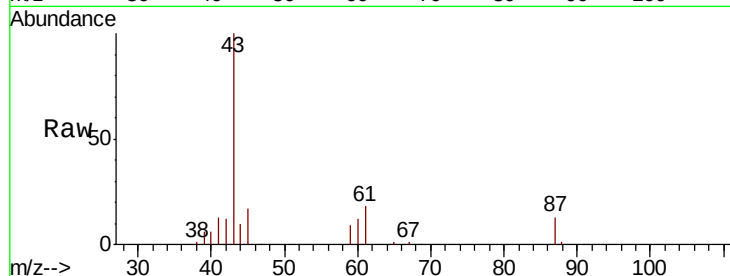
Tgt Ion: 43 Resp: 47902

Ion Ratio Lower Upper

43 100

61 17.2 23.3 34.9#

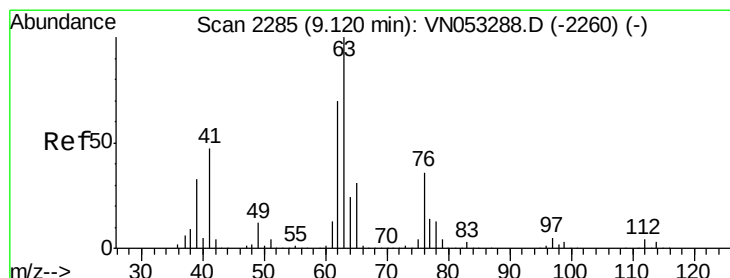
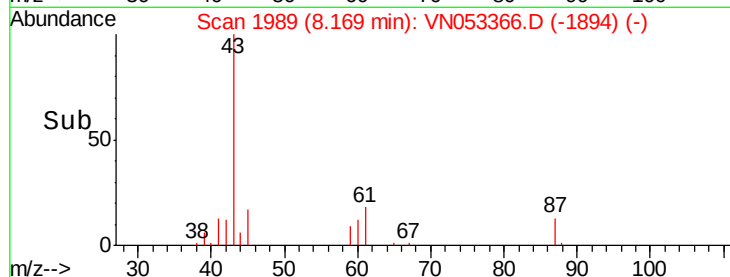
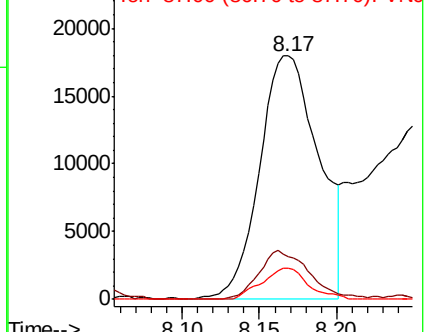
87 9.9 10.8 16.2#



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: 0.278 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN053366.D

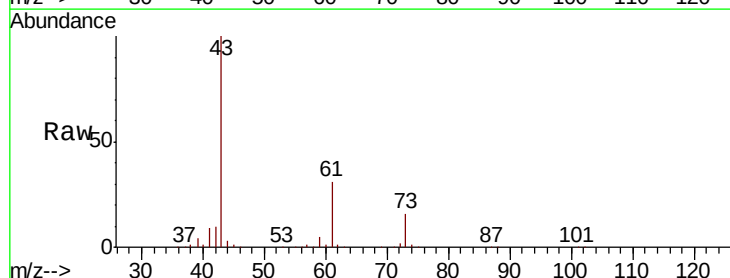
Acq: 11 Jan 2019 15:10

Tgt Ion: 63 Resp: 3200

Ion Ratio Lower Upper

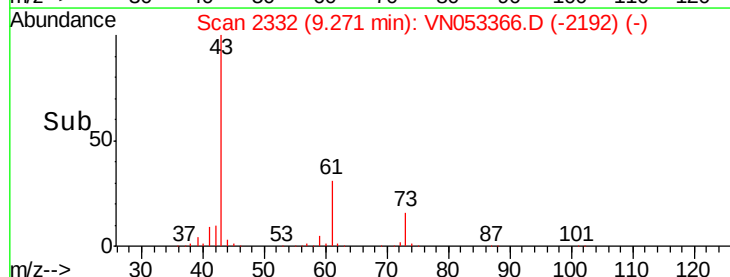
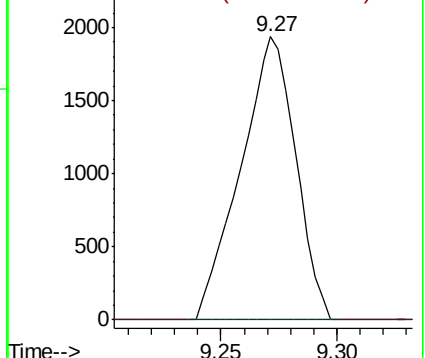
63 100

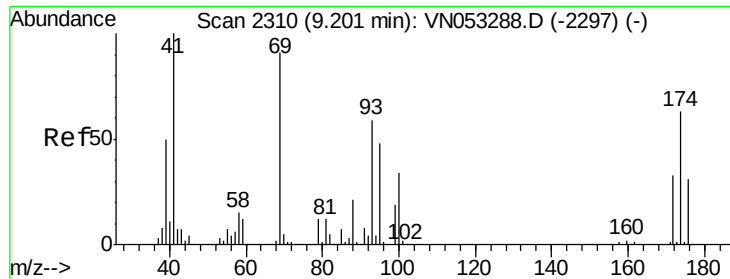
65 0.0 25.0 37.6#



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

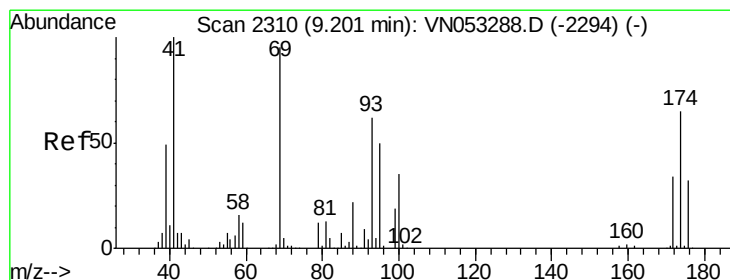
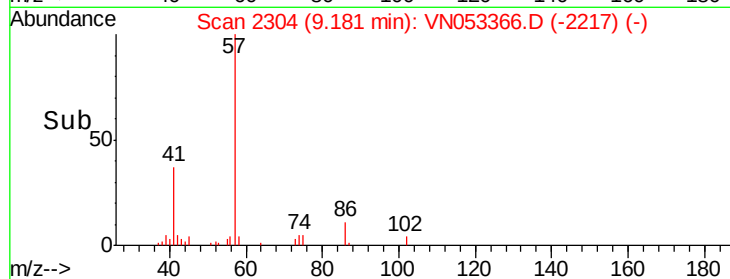
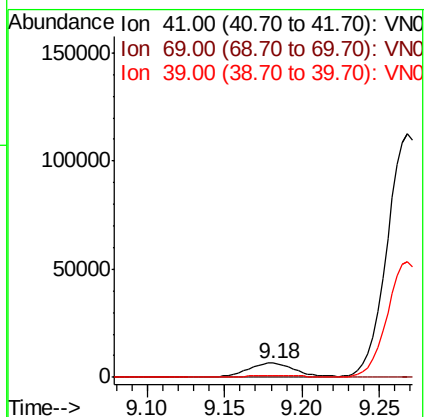
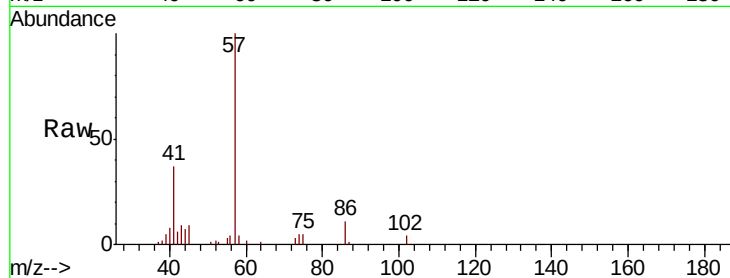
Ion 64.90 (64.60 to 65.60): VN053288.D (-2260) (-)





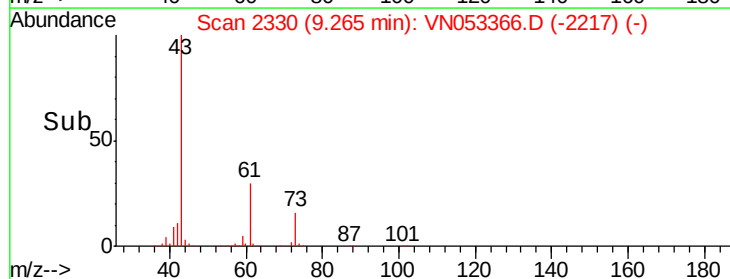
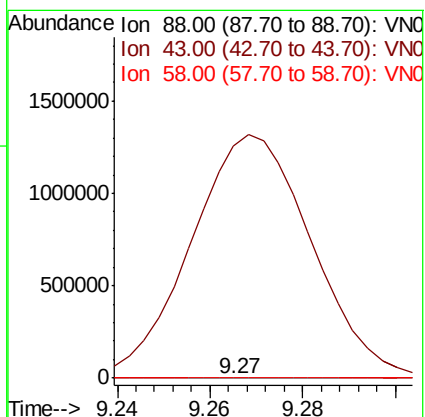
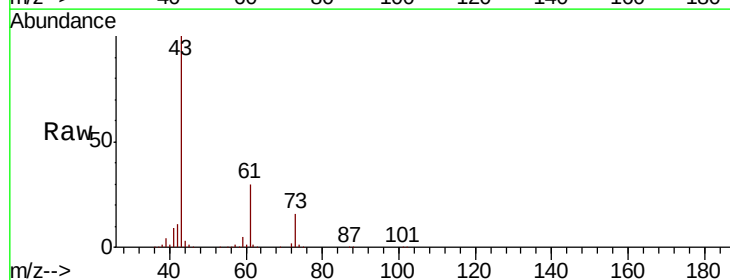
#48
Methyl methacrylate
Concen: 1.720 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

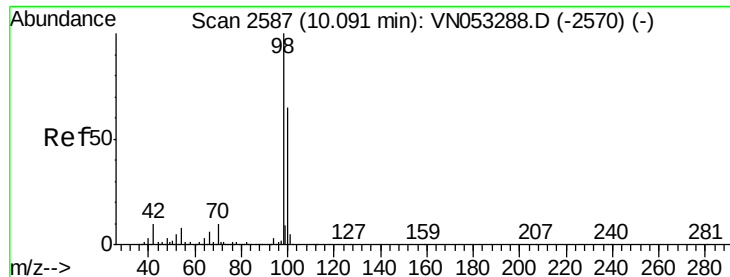
Tgt Ion: 41 Resp: 14375
Ion Ratio Lower Upper
41 100
69 0.0 73.5 110.3#
39 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 2.819 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.06 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

Tgt Ion: 88 Resp: 251
Ion Ratio Lower Upper
88 100
43 959871.3 26.2 39.4#
58 4529.5 55.5 83.3#





#50

Toluene-d8

Concen: 2.819 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053366.D

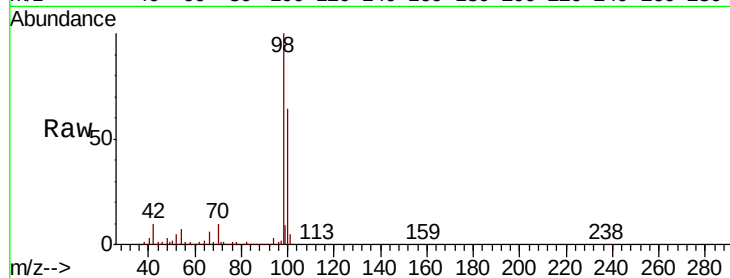
Acq: 11 Jan 2019 15:10

Tgt Ion: 98 Resp: 1917443

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1200000

1000000

800000

600000

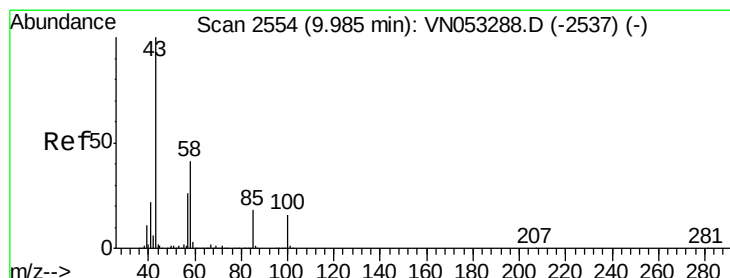
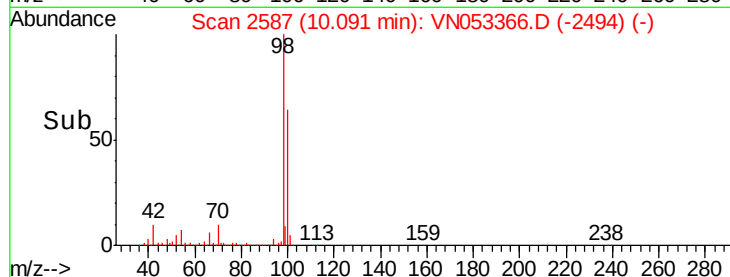
400000

200000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.842 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN053366.D

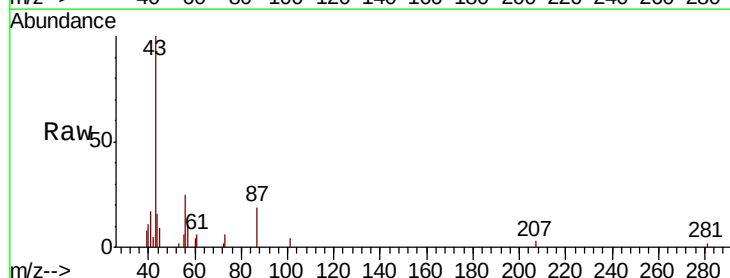
Acq: 11 Jan 2019 15:10

Tgt Ion: 43 Resp: 17038

Ion Ratio Lower Upper

43 100

58 0.0 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

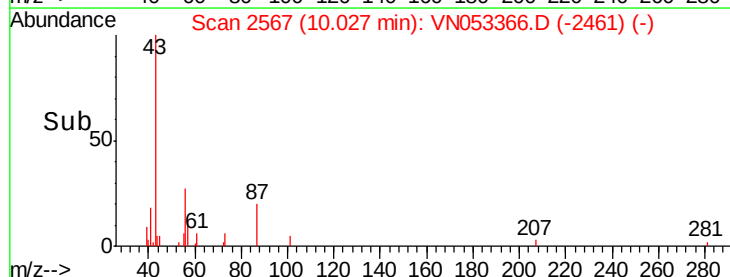
4000

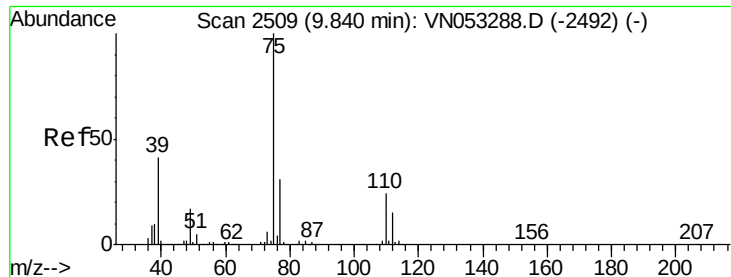
2000

0

10.00 10.05

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.677 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053366.D

Acq: 11 Jan 2019 15:10

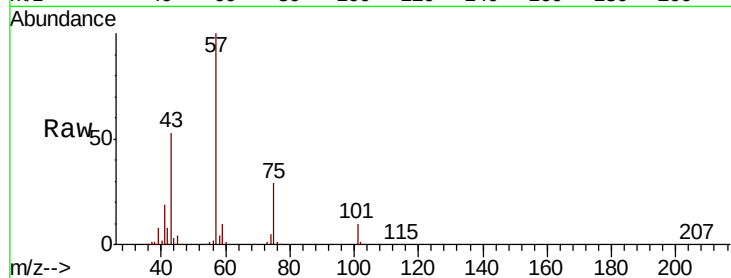
Tgt Ion: 75 Resp: 110283

Ion Ratio Lower Upper

75 100

77 0.6 25.1 37.7#

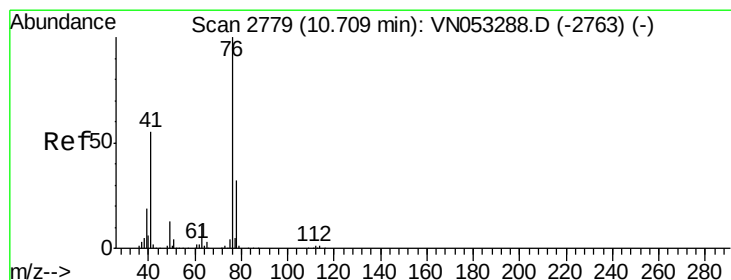
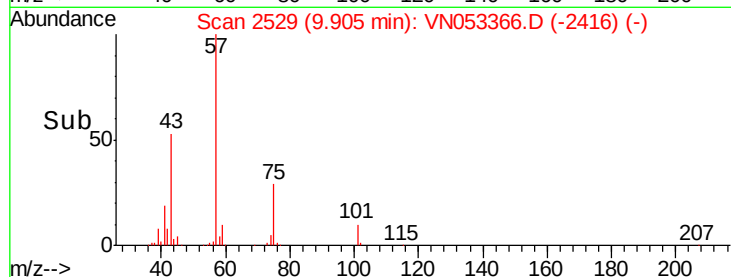
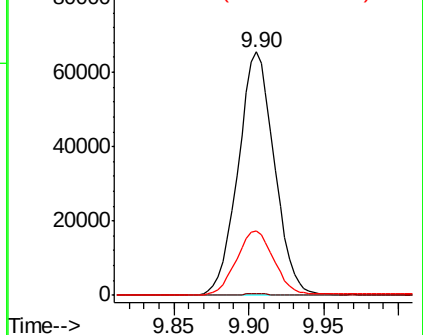
39 26.5 33.1 49.7#



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: 1.436 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053366.D

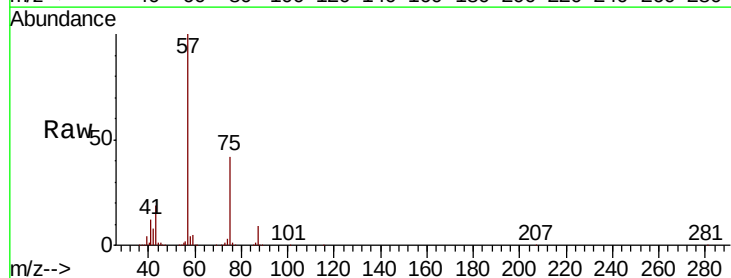
Acq: 11 Jan 2019 15:10

Tgt Ion: 76 Resp: 23758

Ion Ratio Lower Upper

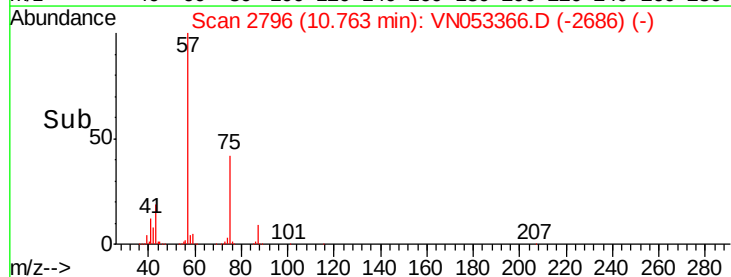
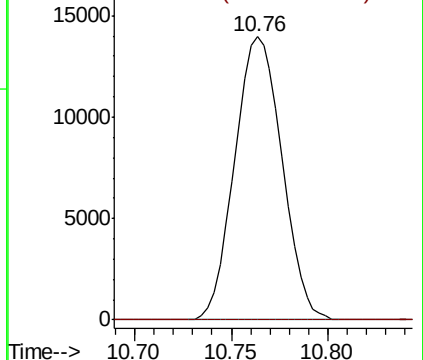
76 100

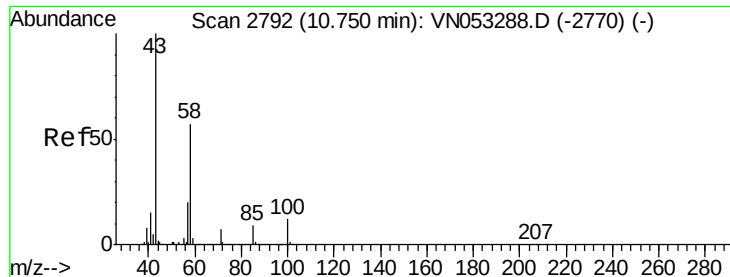
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

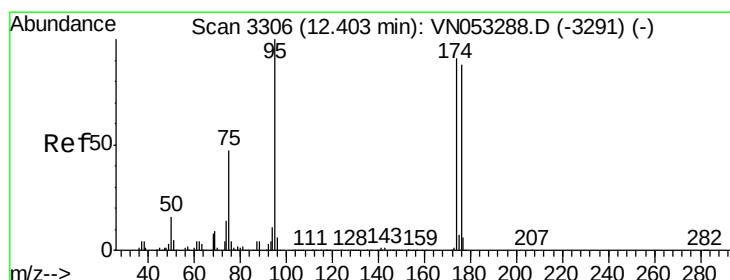
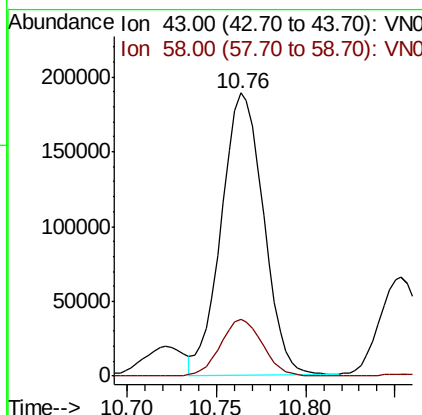
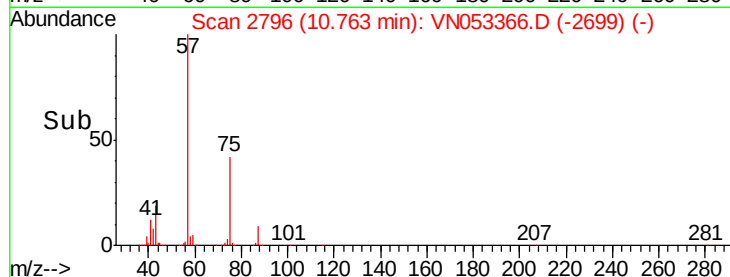
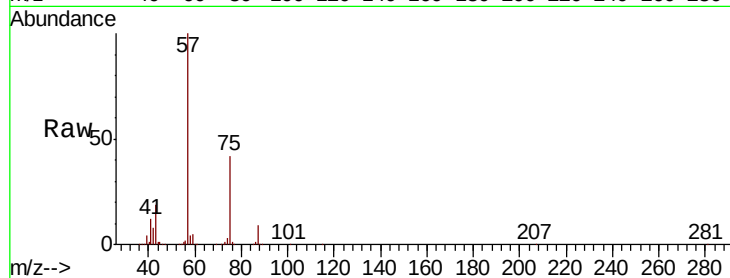
Ion 77.90 (77.60 to 78.60): VN0





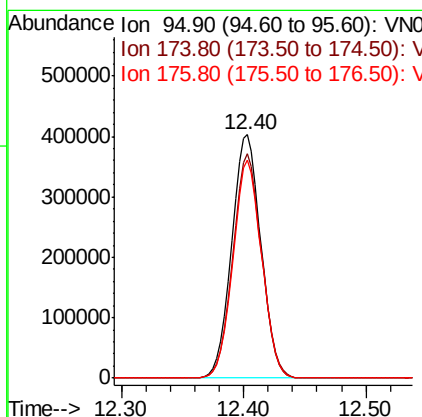
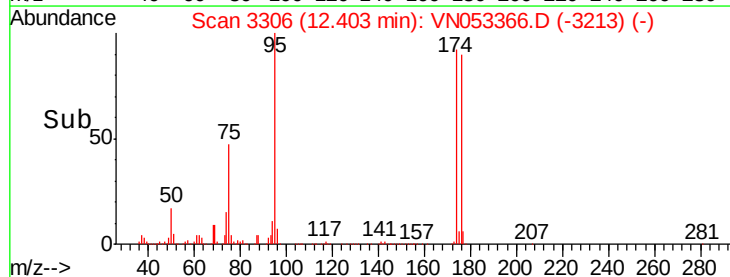
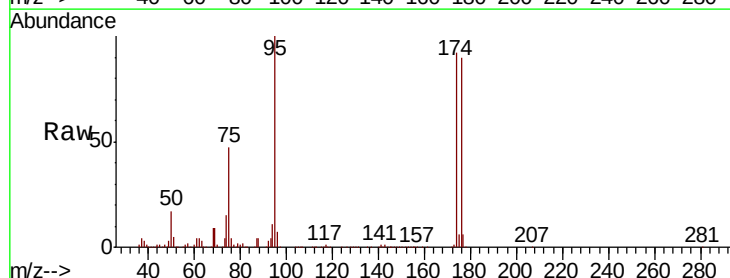
#59
2-Hexanone
Concen: 49.054 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

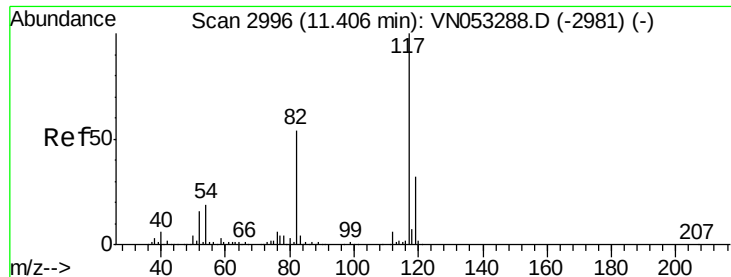
Tgt Ion: 43 Resp: 310860
Ion Ratio Lower Upper
43 100
58 20.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

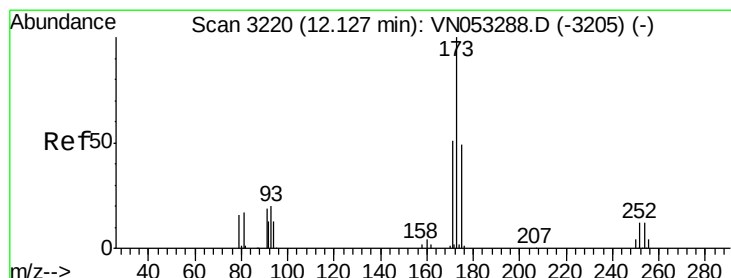
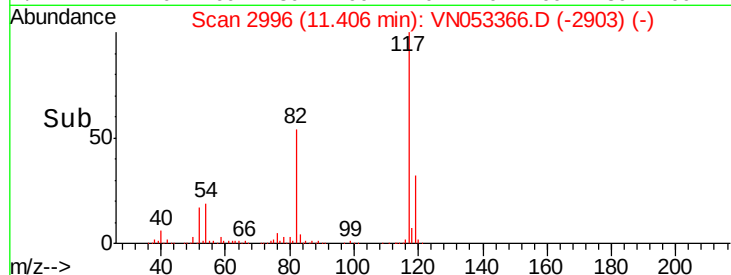
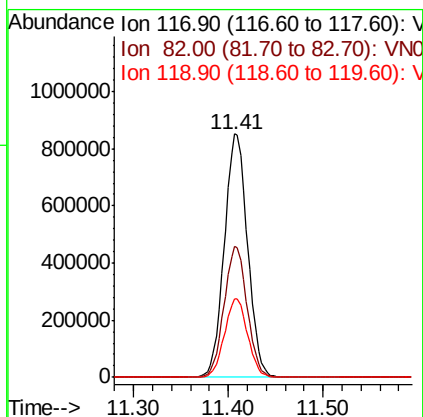
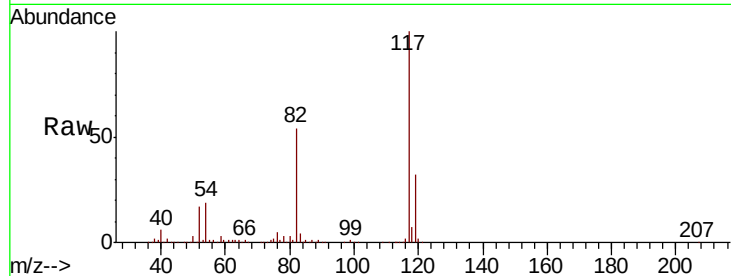
Tgt Ion: 95 Resp: 669789
Ion Ratio Lower Upper
95 100
174 90.5 0.0 180.4
176 87.8 0.0 175.6





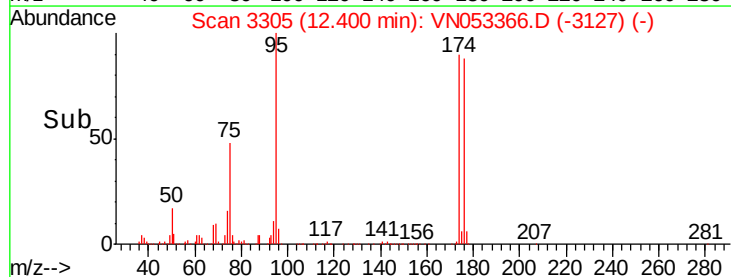
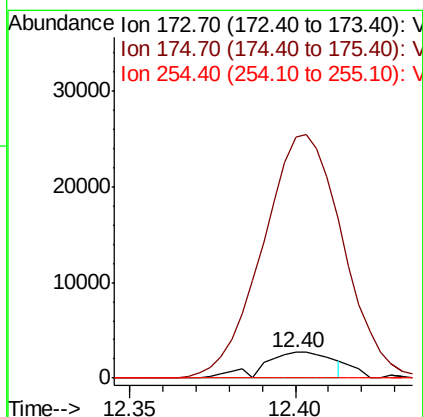
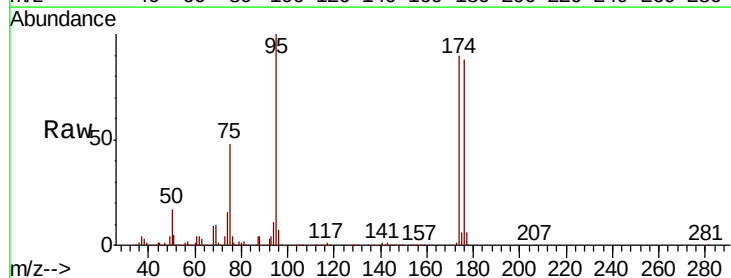
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

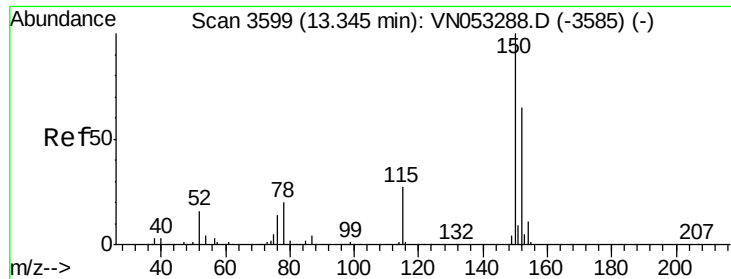
Tgt Ion:117 Resp: 1453705
Ion Ratio Lower Upper
117 100
82 53.7 42.9 64.3
119 32.4 25.6 38.4



#71
Bromoform
Concen: 0.502 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

Tgt Ion:173 Resp: 3917
Ion Ratio Lower Upper
173 100
175 948.9 24.3 72.8#
254 0.0 0.2 0.2#

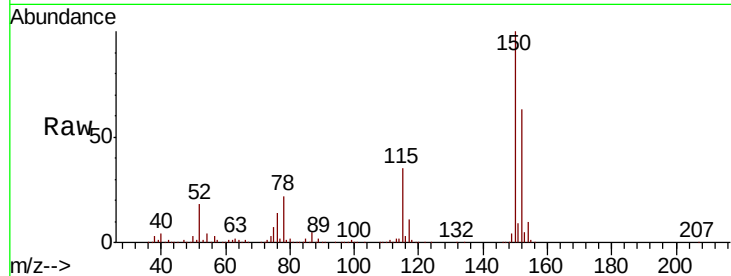




#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	157.9	0.0	346.6

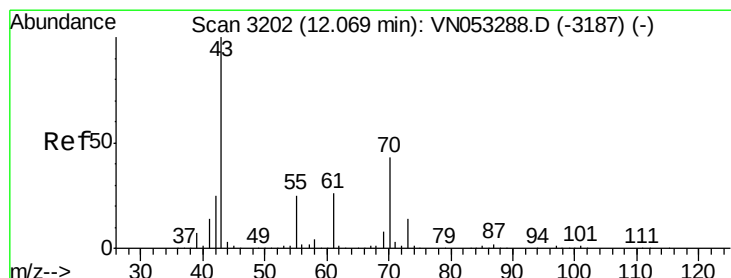
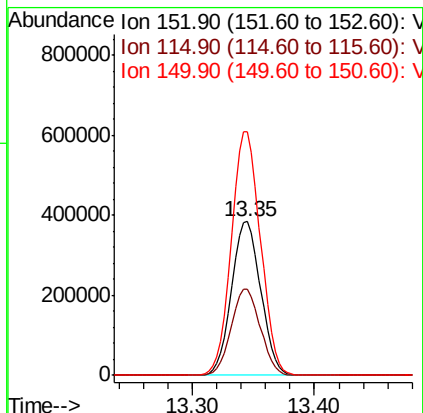
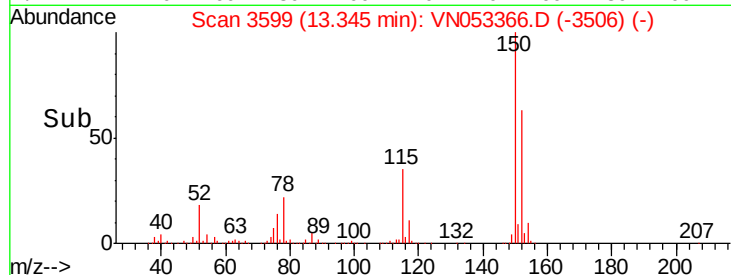


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

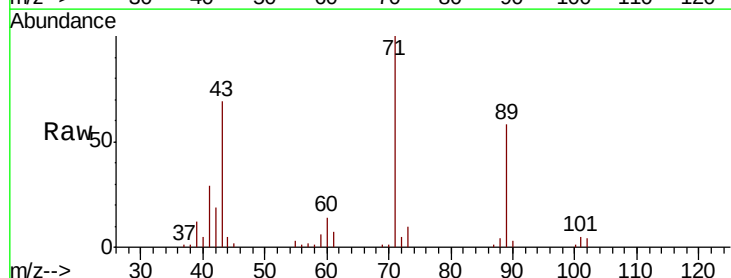
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate
Concen: 2.579 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN053366.D
Acq: 11 Jan 2019 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	1.7	35.0	52.6#
55	5.1	20.0	30.0#
61	10.4	20.3	30.5#



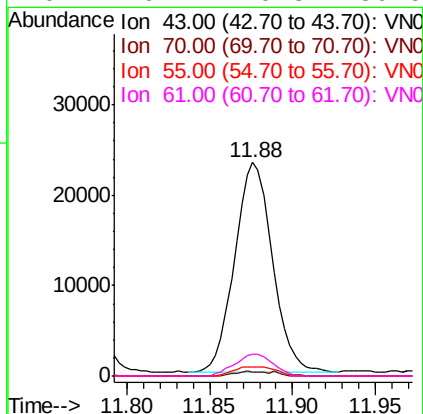
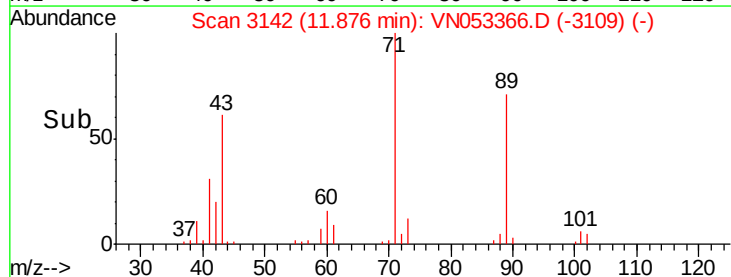
Abundance

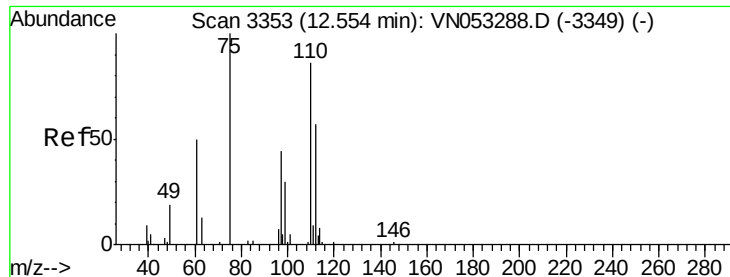
Ion 43.00 (42.70 to 43.70): VN0

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: 33.614 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053366.D

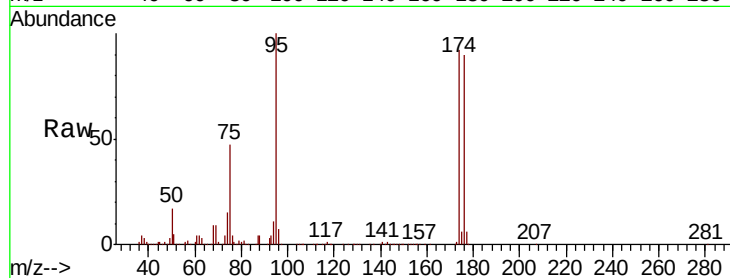
Acq: 11 Jan 2019 15:10

Tgt Ion: 75 Resp: 313595

Ion Ratio Lower Upper

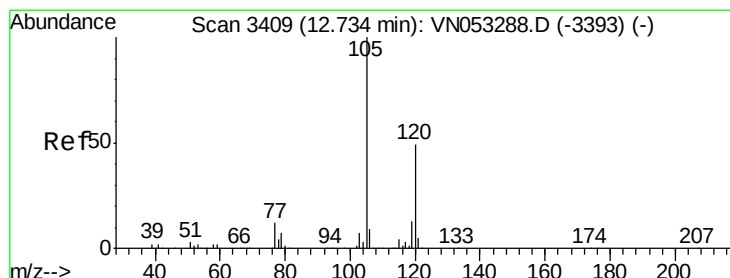
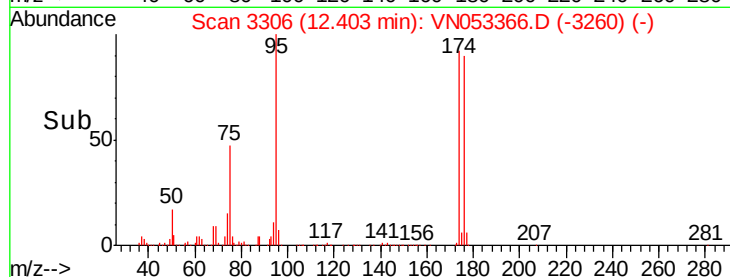
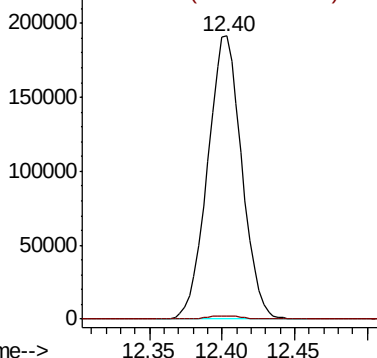
75 100

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: 0.645 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053366.D

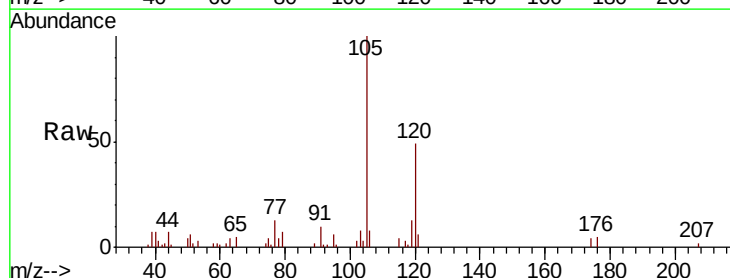
Acq: 11 Jan 2019 15:10

Tgt Ion: 105 Resp: 24732

Ion Ratio Lower Upper

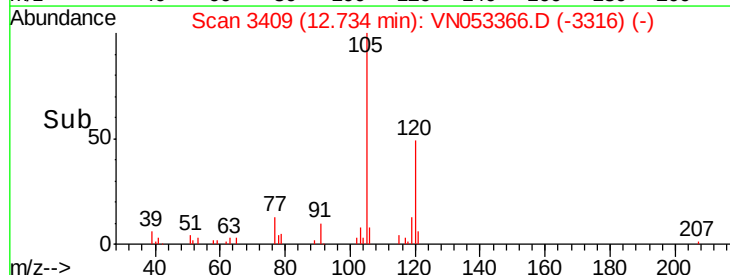
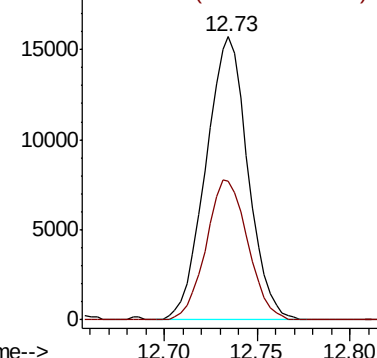
105 100

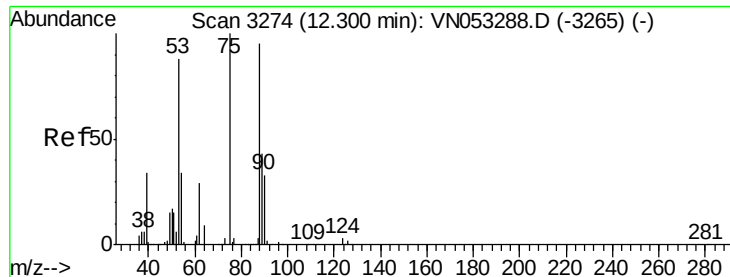
120 48.8 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.899 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN053366.D
 Acq: 11 Jan 2019 15:10

Tgt Ion: 75 Resp: 313595
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.5 105.7#
 89 0.0 35.4 53.0#

