

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011119\
 Data File : VN053362.D
 Acq On : 11 Jan 2019 13:22
 Operator : JC/SP
 Sample : PB116316ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Quant Time: Jan 12 00:40:13 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	1002400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1558044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1496423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	666171	50.00	ug/l	0.00

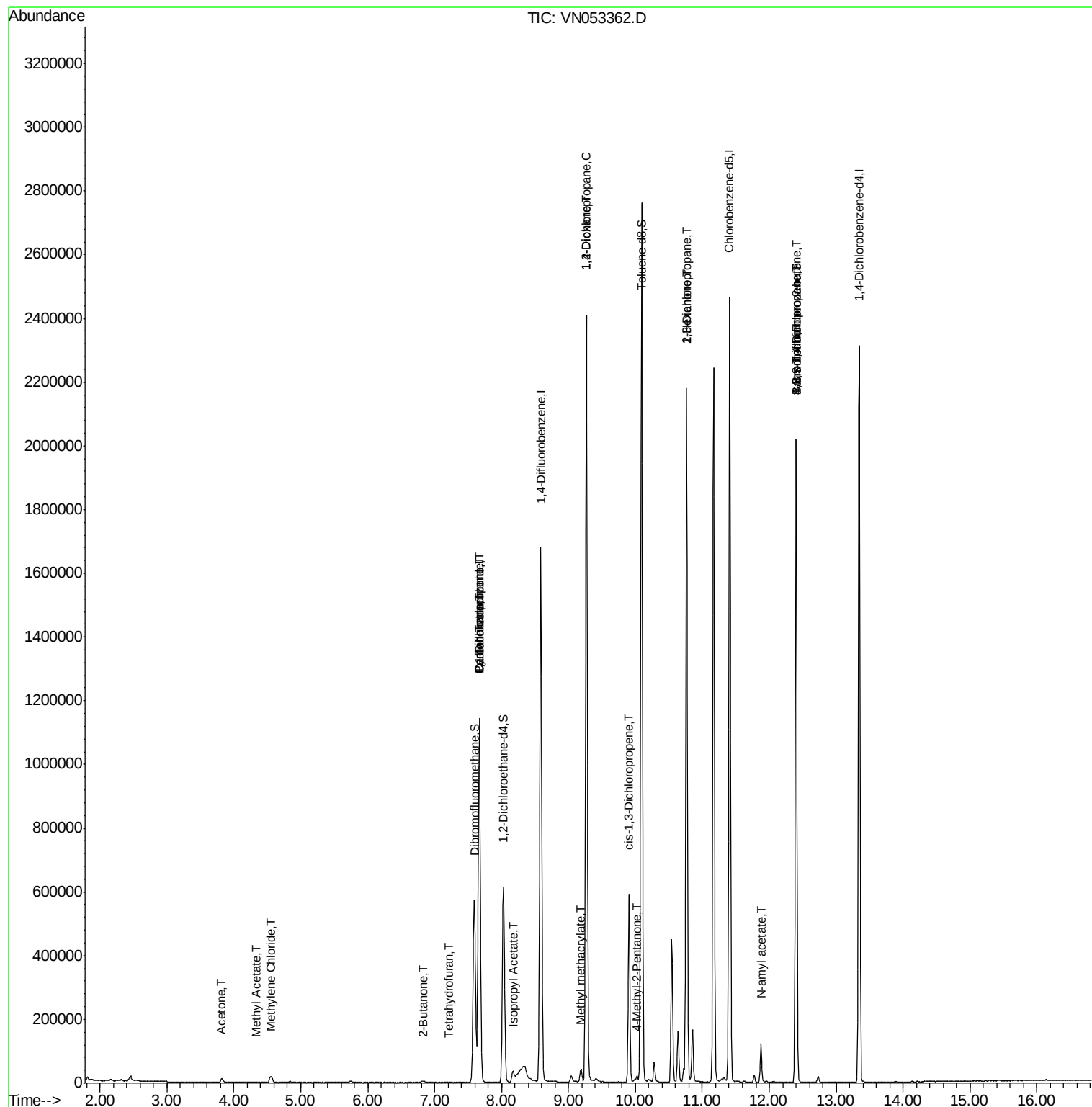
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	510107	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	7.59	113	444186	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.09	98	1959986	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.40	95	690131	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	

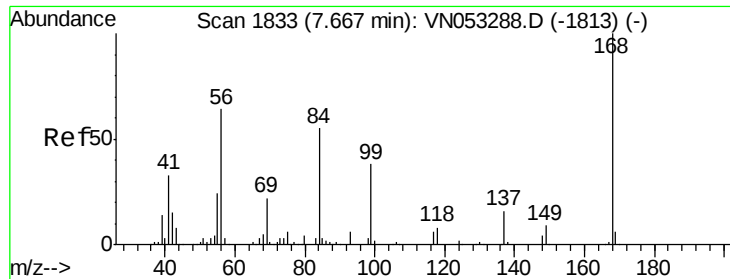
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	21086	6.222	ug/l	97
18) Methyl Acetate	4.33	43	2537	0.269	ug/l	91
20) Methylene Chloride	4.56	84	16067	1.434	ug/l	93
25) 2-Butanone	6.84	43	2120	0.496	ug/l #	81
29) Tetrahydrofuran	7.22	42	1470	0.521	ug/l #	58
31) Cyclohexane	7.67	56	16228	0.720	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	65862	4.528	ug/l #	49
38) Carbon Tetrachloride	7.67	117	86515	6.444	ug/l #	16
43) Isopropyl Acetate	8.17	43	46797	2.511	ug/l #	82
45) 1,2-Dichloropropane	9.27	63	3017	0.259	ug/l #	43
48) Methyl methacrylate	9.18	41	14059	1.660	ug/l #	12
49) 1,4-Dioxane	9.27	88	184	2.040	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	16678	1.779	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	111323	6.651	ug/l #	64
57) 1,3-Dichloropropane	10.76	76	22994	1.372	ug/l #	42
59) 2-Hexanone	10.76	43	308648	48.062	ug/l #	50
71) Bromoform	12.40	173	4902	0.610	ug/l #	1
74) N-amyl acetate	11.88	43	37497	2.532	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	321438	33.082	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	321438	97.332	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: VN053362.D

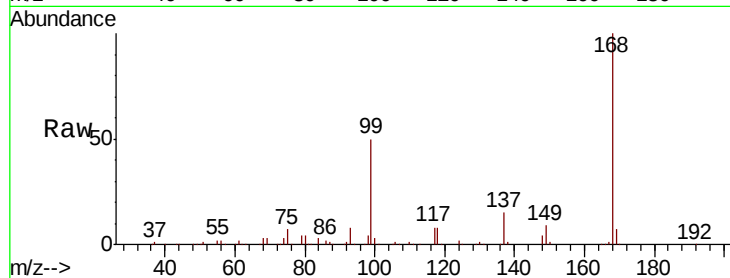
Acq: 11 Jan 2019 13:22

Tgt Ion: 168 Resp: 1002400

Ion Ratio Lower Upper

168 100

99 49.7 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

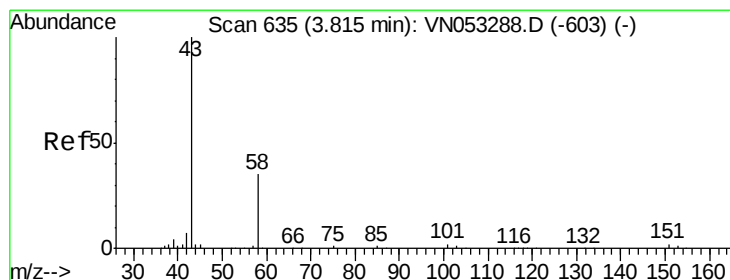
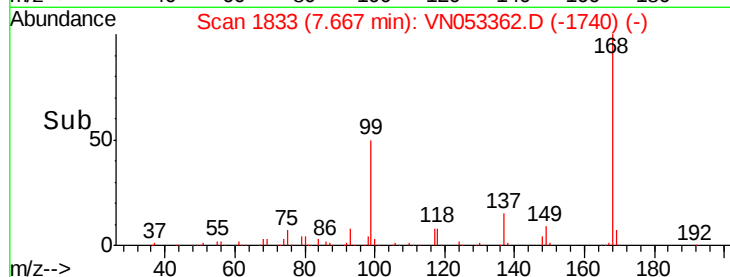
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 6.222 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053362.D

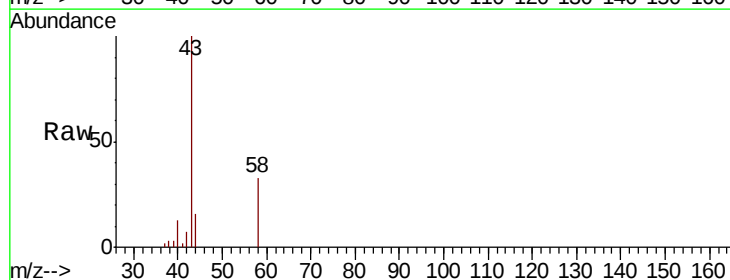
Acq: 11 Jan 2019 13:22

Tgt Ion: 43 Resp: 21086

Ion Ratio Lower Upper

43 100

58 32.8 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) (-)

3.82

8000

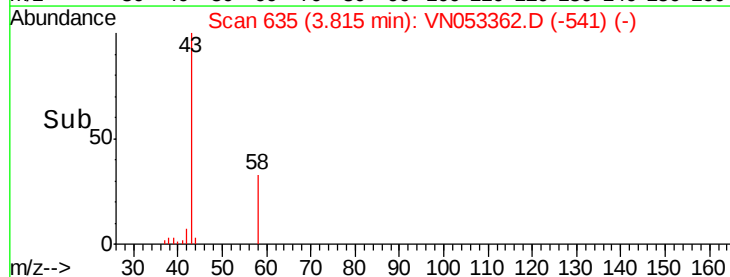
6000

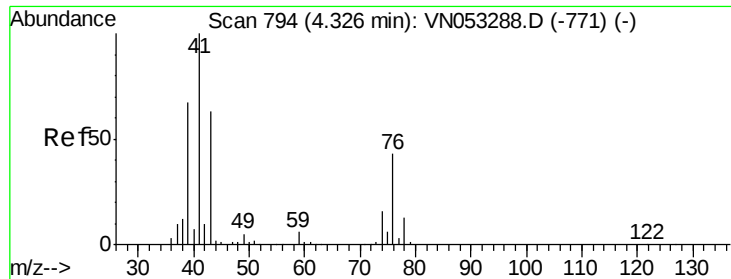
4000

2000

0

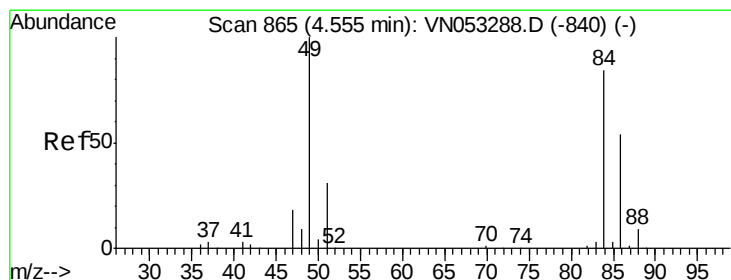
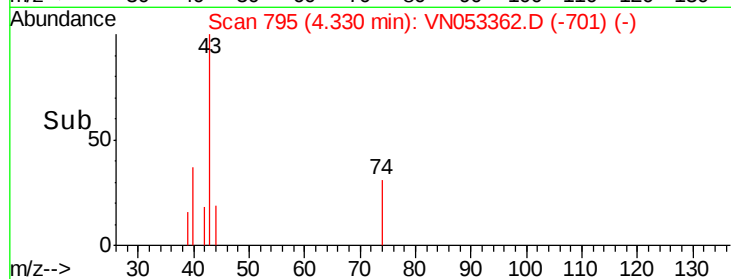
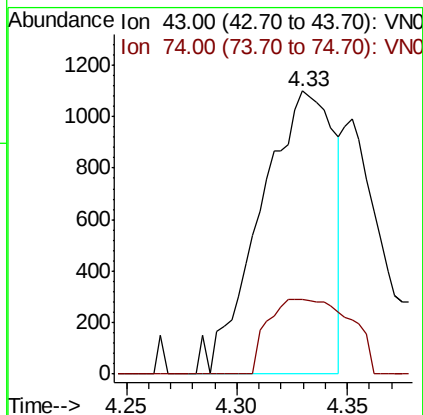
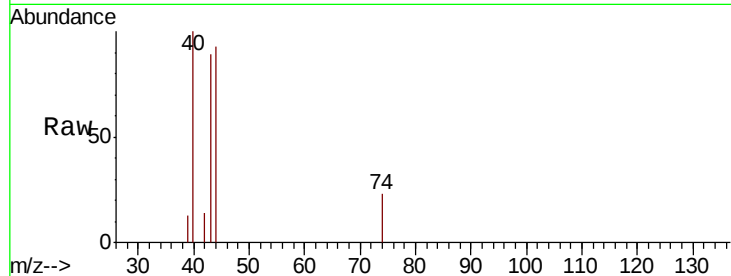
Time-->





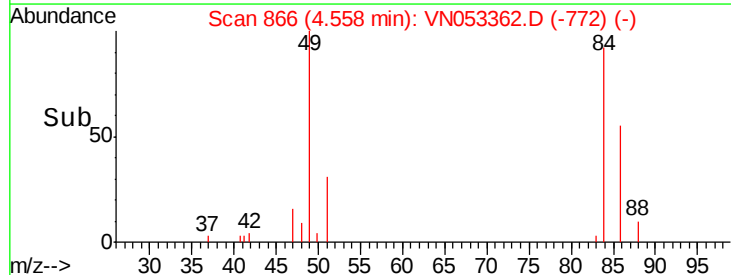
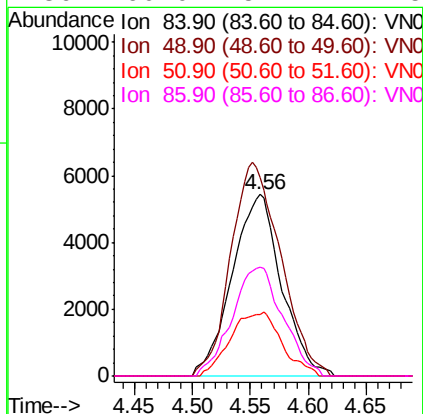
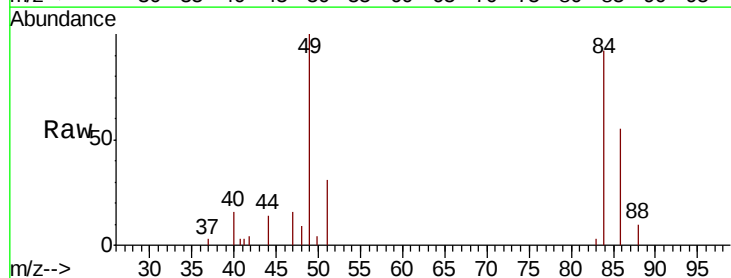
#18
Methyl Acetate
Concen: 0.269 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

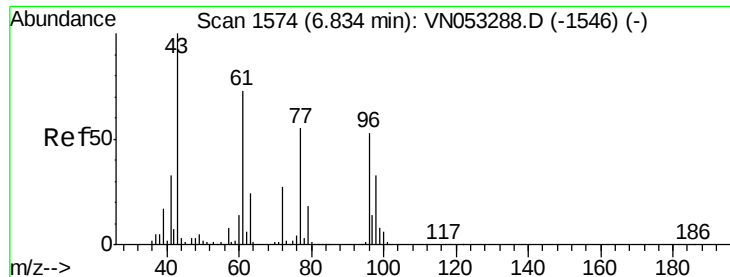
Tgt Ion: 43 Resp: 2537
Ion Ratio Lower Upper
43 100
74 29.4 19.8 29.8



#20
Methylene Chloride
Concen: 1.434 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

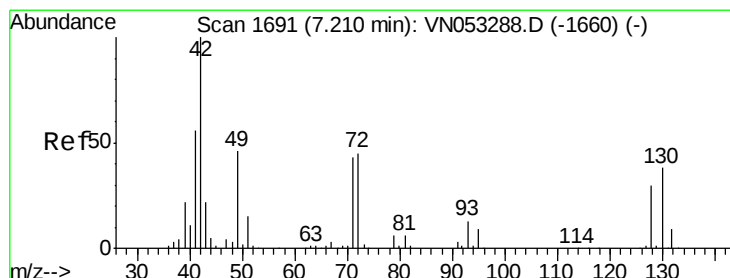
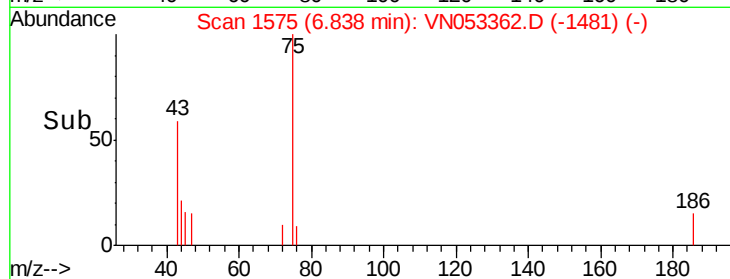
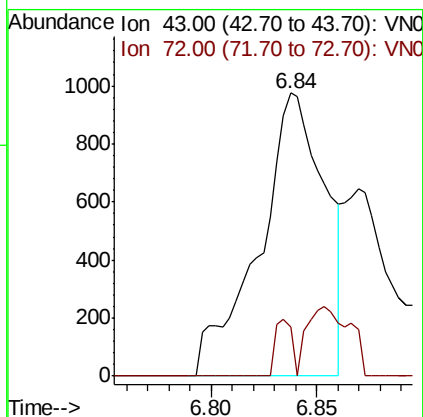
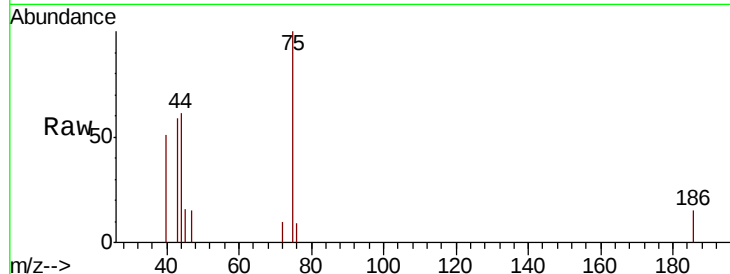
Tgt Ion: 84 Resp: 16067
Ion Ratio Lower Upper
84 100
49 109.1 95.3 142.9
51 33.9 29.0 43.6
86 60.0 51.7 77.5





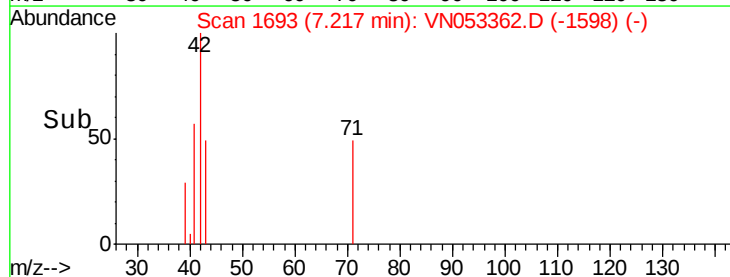
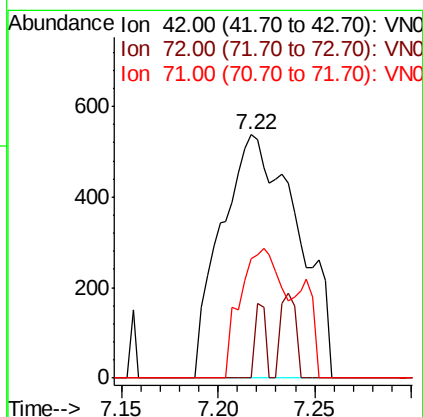
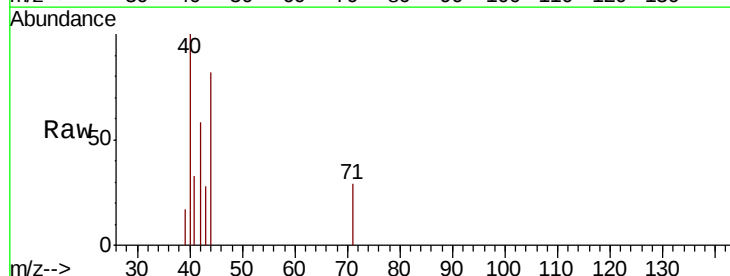
#25
2-Butanone
Concen: 0.496 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

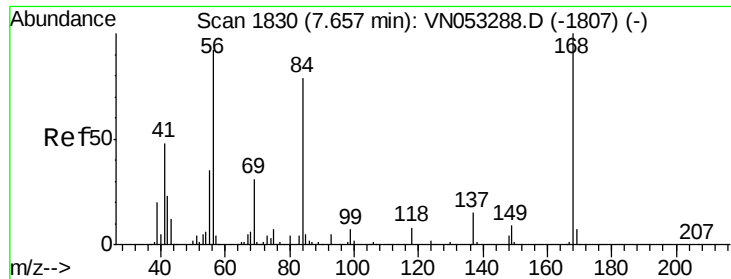
Tgt Ion: 43 Resp: 2120
Ion Ratio Lower Upper
43 100
72 17.4 22.0 33.0#



#29
Tetrahydrofuran
Concen: 0.521 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

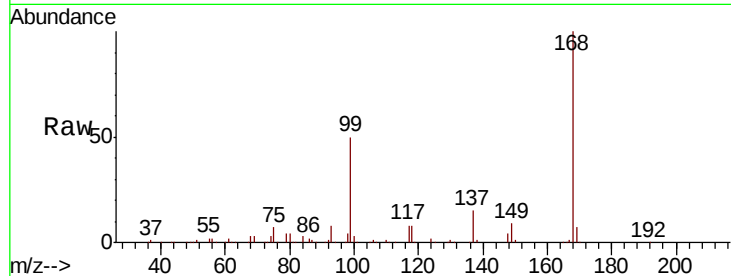
Tgt Ion: 42 Resp: 1470
Ion Ratio Lower Upper
42 100
72 4.2 35.6 53.4#
71 29.2 33.8 50.8#



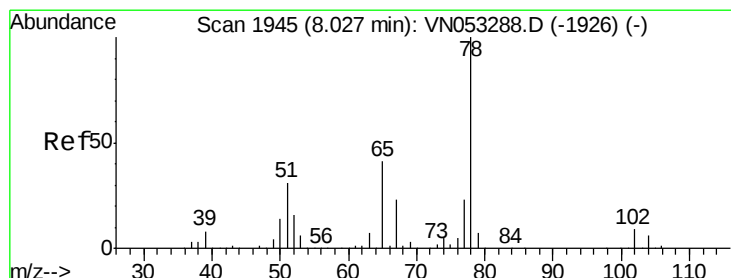
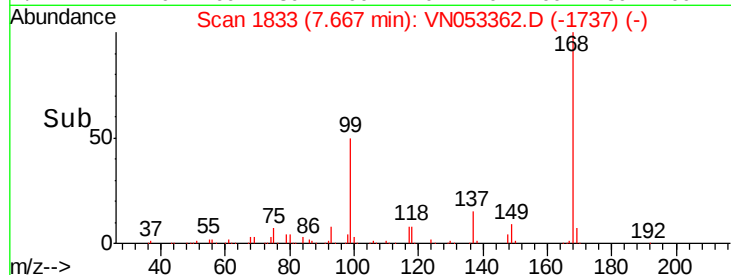
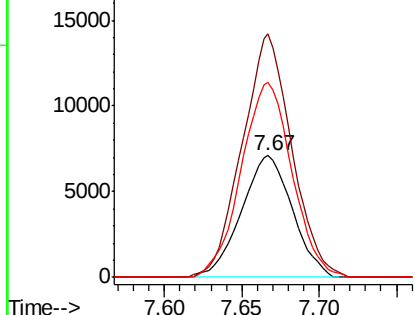


#31
Cyclohexane
Concen: 0.720 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

Tgt Ion: 56 Resp: 16228
Ion Ratio Lower Upper
56 100
69 200.6 26.7 40.1#
84 160.2 68.2 102.4#

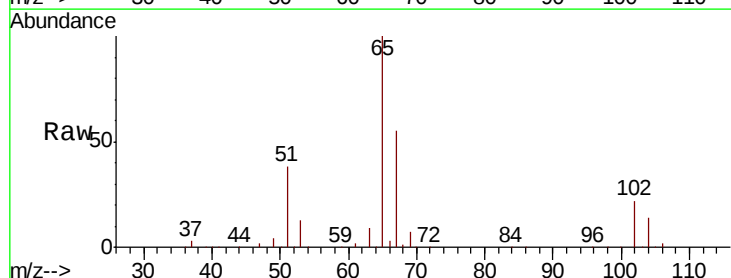


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

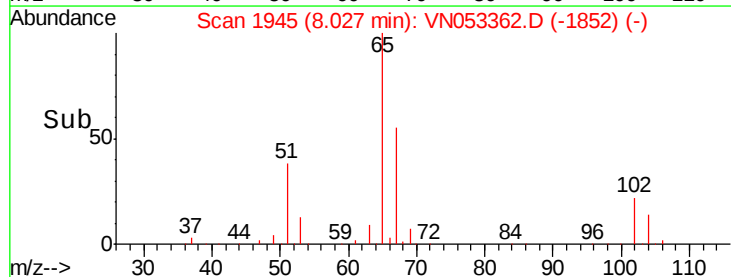
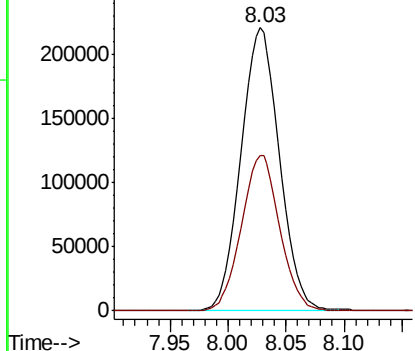


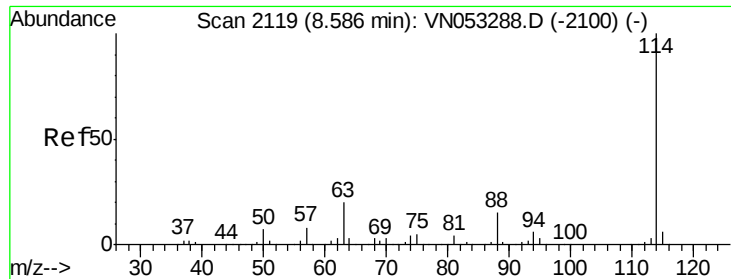
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

Tgt Ion: 65 Resp: 510107
Ion Ratio Lower Upper
65 100
67 54.9 0.0 111.0



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

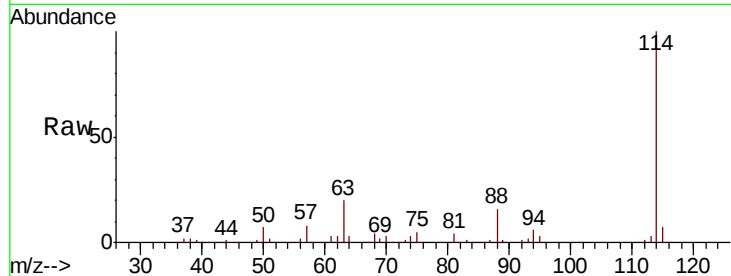




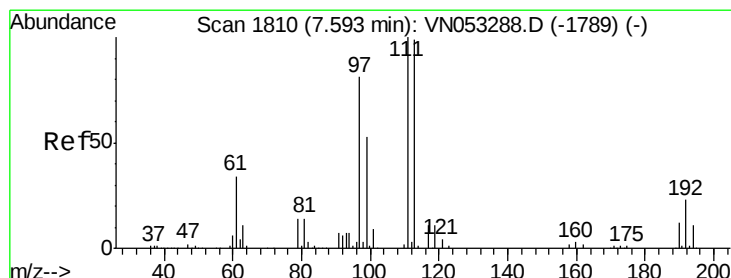
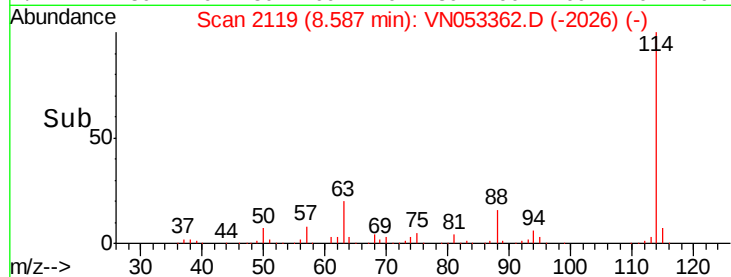
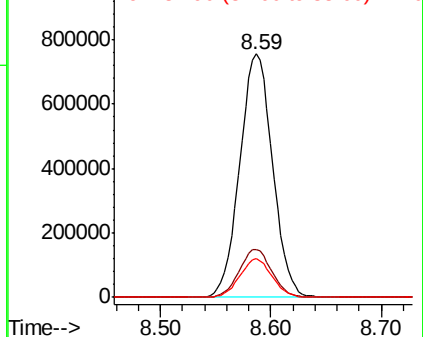
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

Tgt Ion:114 Resp: 1558044

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.0
88	15.7	0.0	30.8



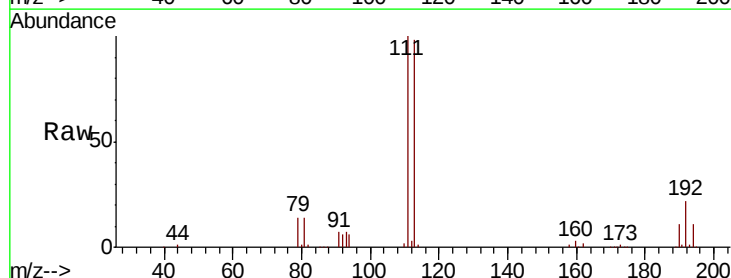
Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN



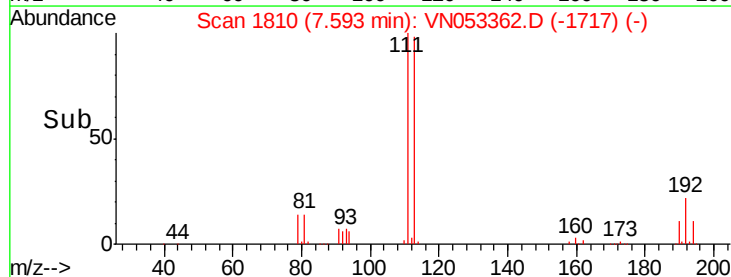
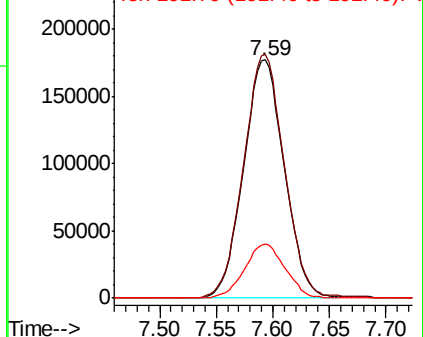
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

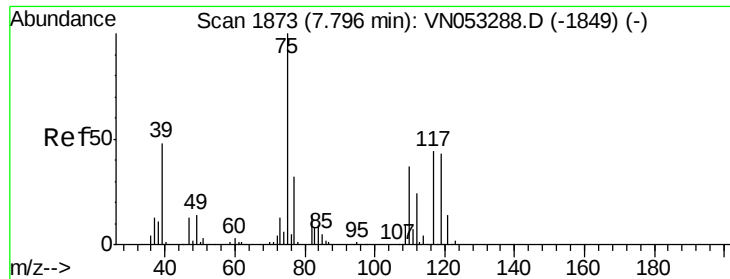
Tgt Ion:113 Resp: 444186

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.2
192	22.6	17.9	26.9



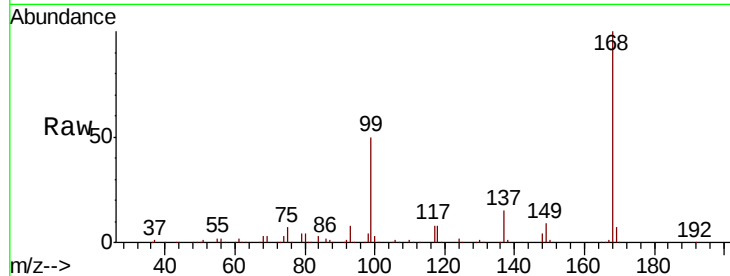
Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36
 1,1-Dichloropropene
 Concen: 4.528 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053362.D
 Acq: 11 Jan 2019 13:22

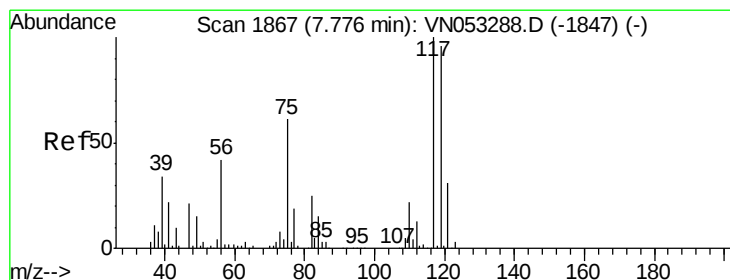
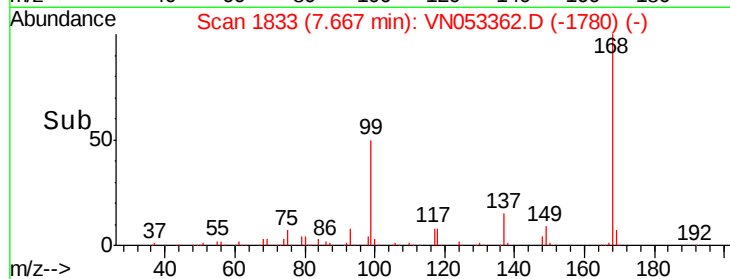
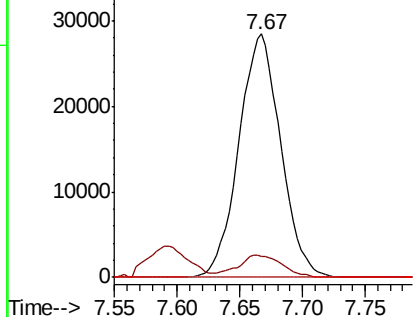
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.4	55.0#
77	0.0	25.3	37.9#



Abundance Ion 74.90 (74.60 to 75.60): VN053362.D (-1780) (-)

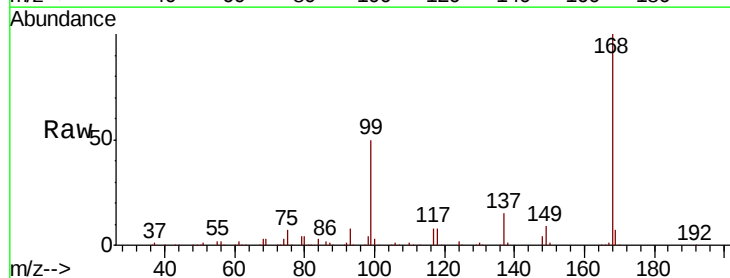
Ion 109.90 (109.60 to 110.60): VN053362.D (-1780) (-)

Ion 76.90 (76.60 to 77.60): VN053362.D (-1780) (-)



#38
 Carbon Tetrachloride
 Concen: 6.444 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053362.D
 Acq: 11 Jan 2019 13:22

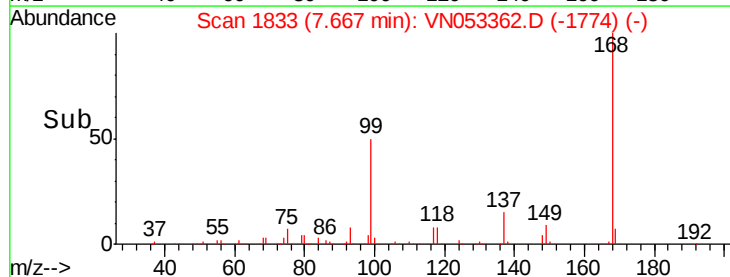
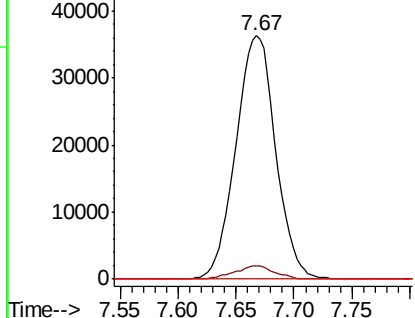
Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.6	115.0#
121	0.0	25.0	37.4#

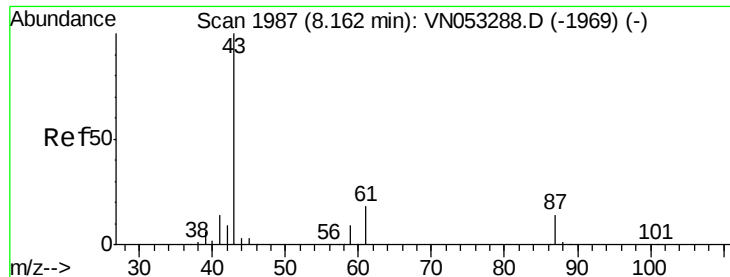


Abundance Ion 116.80 (116.50 to 117.50): VN053362.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN053362.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN053362.D (-1774) (-)





#43

Isopropyl Acetate

Concen: 2.511 ug/l

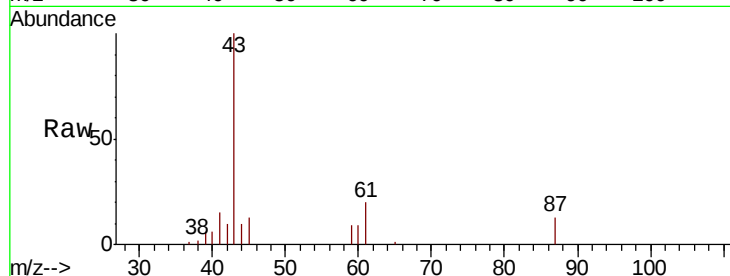
RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053362.D

Acq: 11 Jan 2019 13:22

Tgt Ion:	43	Resp:	46797
Ion	Ratio	Lower	Upper
43	100		
61	17.0	23.3	34.9#
87	10.8	10.8	16.2#

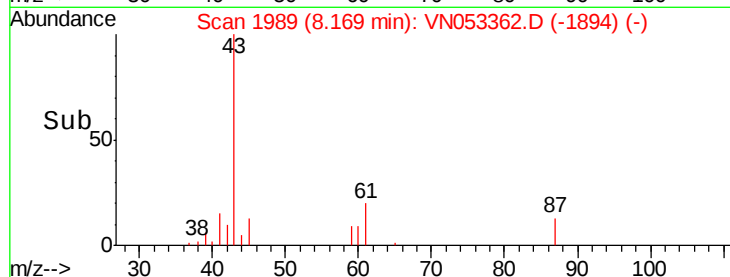


Abundance Ion 43.00 (42.70 to 43.70): VN053362.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053362.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053362.D (-1894) (-)

Time-->



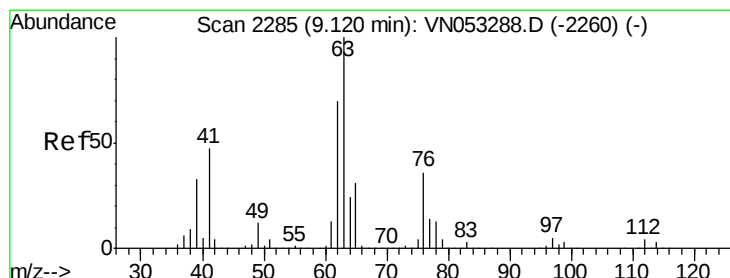
Abundance

Ion 43.00 (42.70 to 43.70): VN053362.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053362.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053362.D (-1894) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 0.259 ug/l

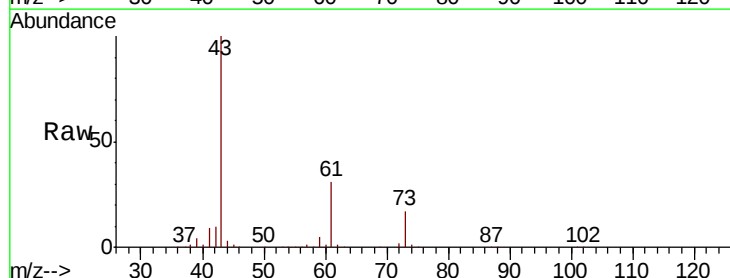
RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN053362.D

Acq: 11 Jan 2019 13:22

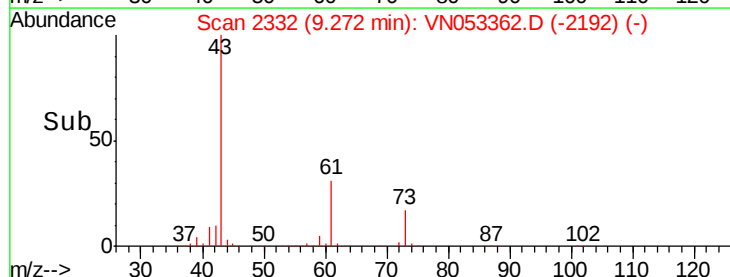
Tgt Ion:	63	Resp:	3017
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN053362.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN053362.D (-2192) (-)

Time-->

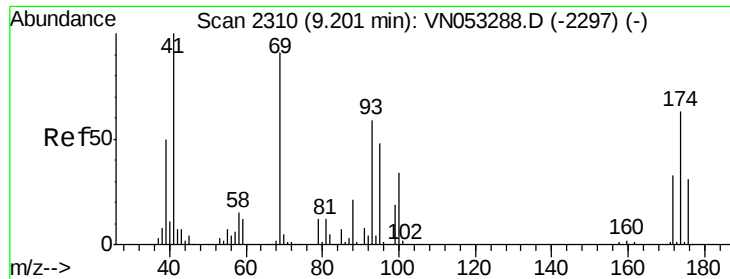


Abundance

Ion 62.90 (62.60 to 63.60): VN053362.D (-2192) (-)

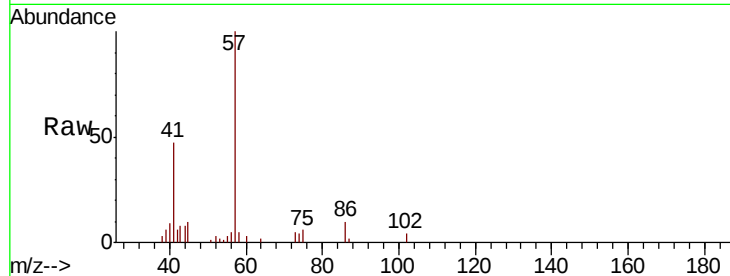
Ion 64.90 (64.60 to 65.60): VN053362.D (-2192) (-)

Time-->

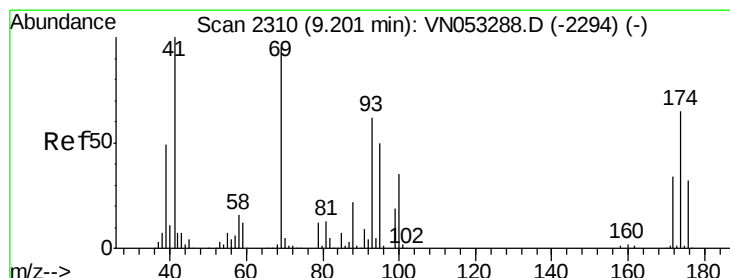
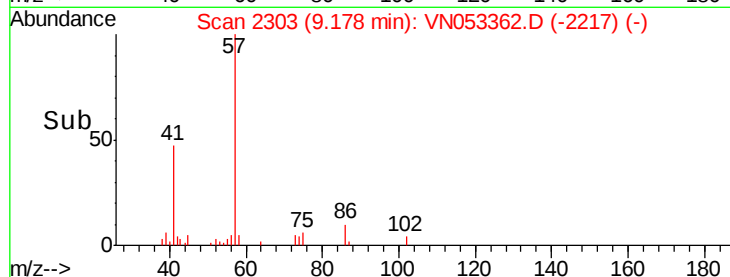
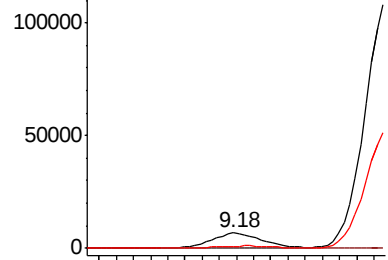


#48
Methyl methacrylate
Concen: 1.660 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

Tgt Ion: 41 Resp: 14059
Ion Ratio Lower Upper
41 100
69 0.0 73.5 110.3#
39 0.0 41.6 62.4#

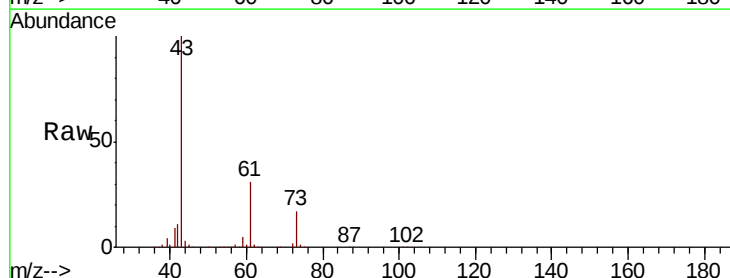


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

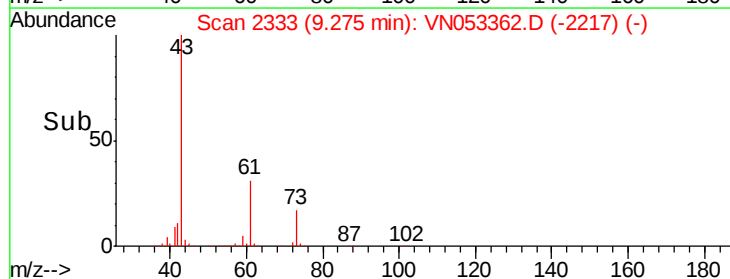
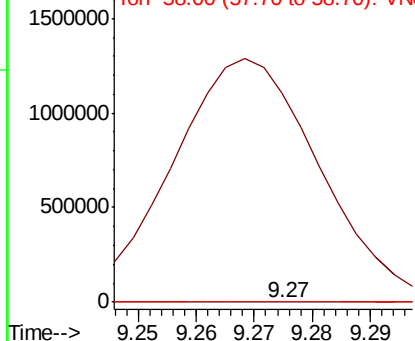


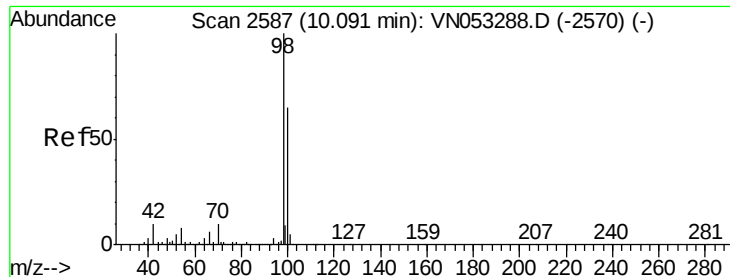
#49
1,4-Dioxane
Concen: 2.040 ug/l
RT: 9.27 min Scan# 2333
Delta R.T. 0.07 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

Tgt Ion: 88 Resp: 184
Ion Ratio Lower Upper
88 100
43 1265982.1 26.2 39.4#
58 5631.5 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: 2.040 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053362.D

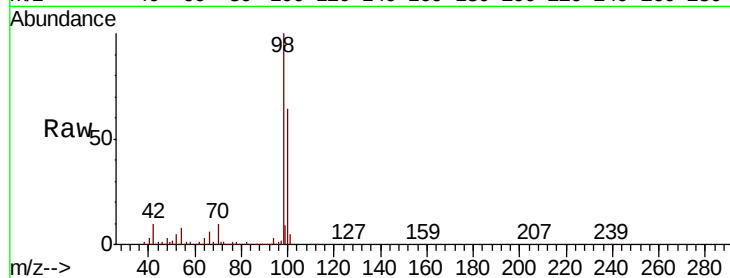
Acq: 11 Jan 2019 13:22

Tgt Ion: 98 Resp: 1959986

Ion Ratio Lower Upper

98 100

100 64.4 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

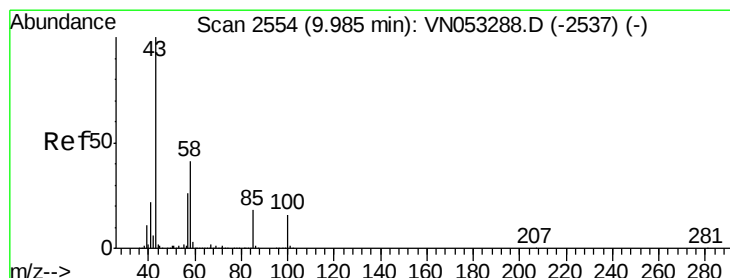
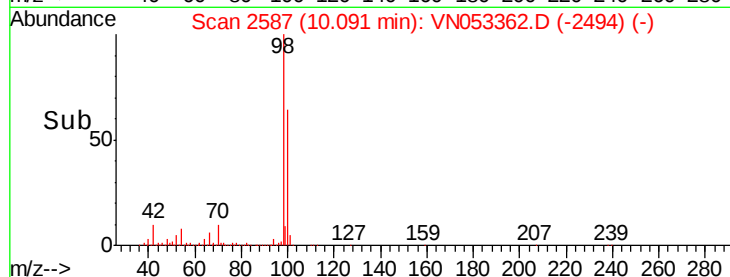
400000

200000

0

10.09

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.779 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053362.D

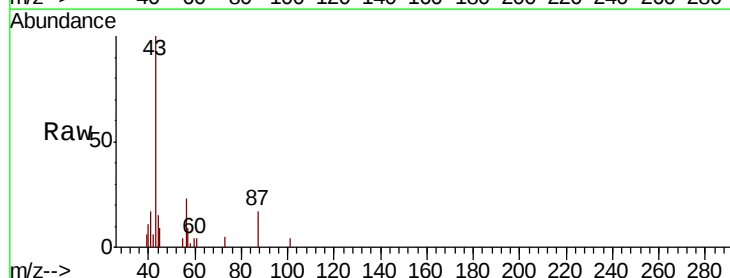
Acq: 11 Jan 2019 13:22

Tgt Ion: 43 Resp: 16678

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

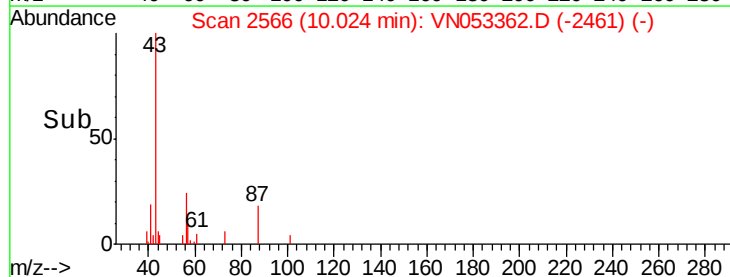
4000

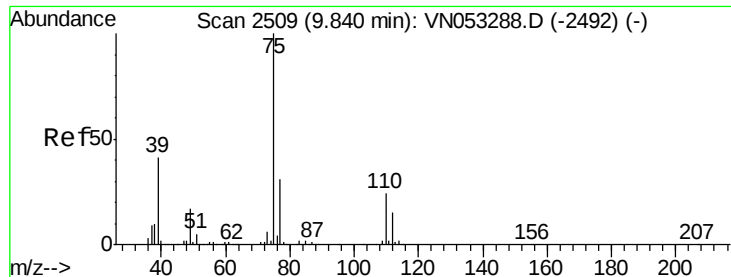
2000

0

10.02

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.651 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053362.D

Acq: 11 Jan 2019 13:22

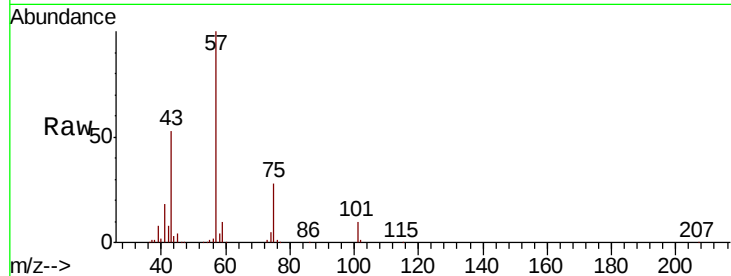
Tgt Ion: 75 Resp: 111323

Ion Ratio Lower Upper

75 100

77 0.4 25.1 37.7#

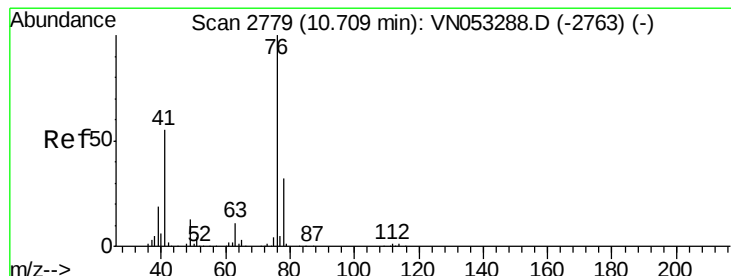
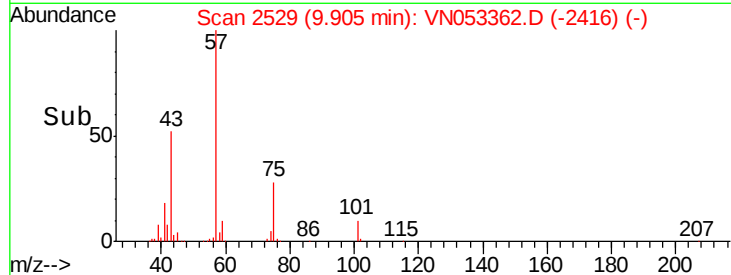
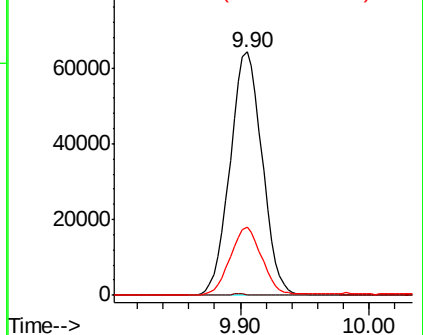
39 27.9 33.1 49.7#



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: 1.372 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053362.D

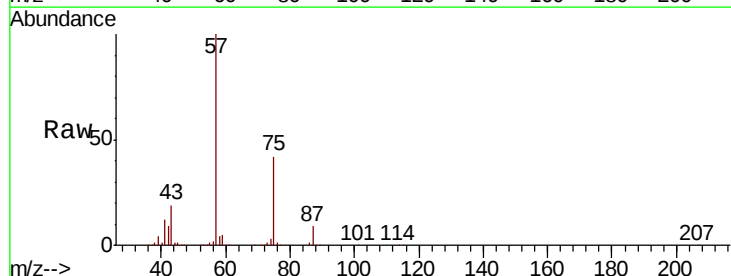
Acq: 11 Jan 2019 13:22

Tgt Ion: 76 Resp: 22994

Ion Ratio Lower Upper

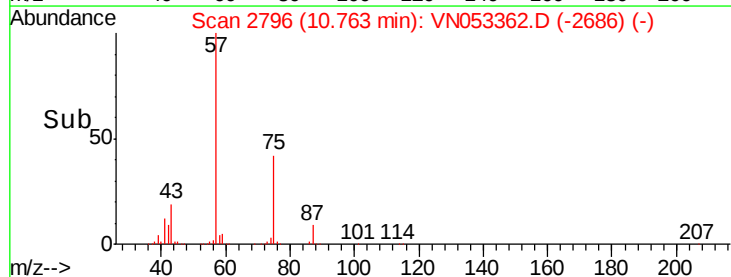
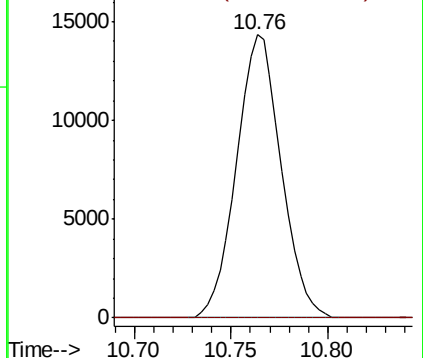
76 100

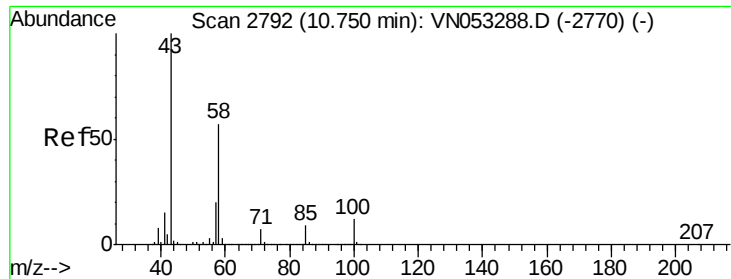
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

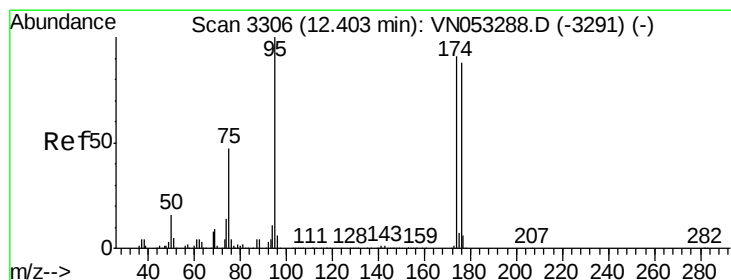
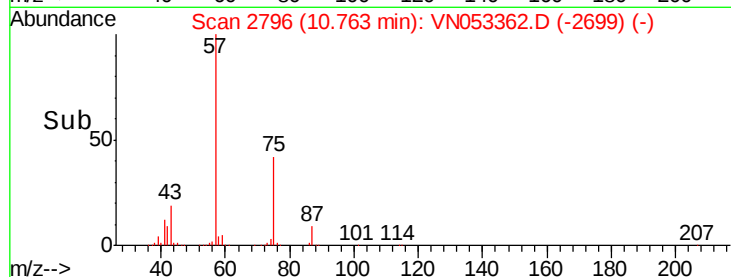
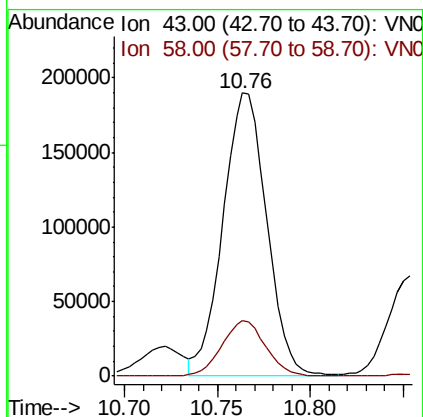
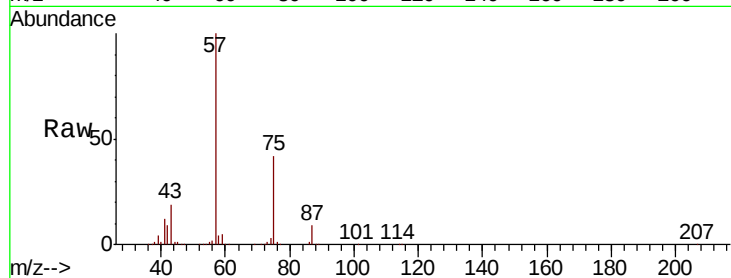
Ion 77.90 (77.60 to 78.60): VN0





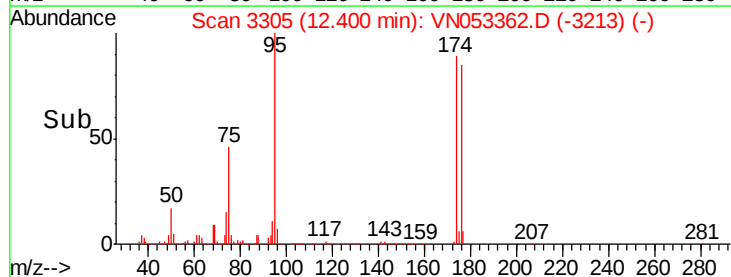
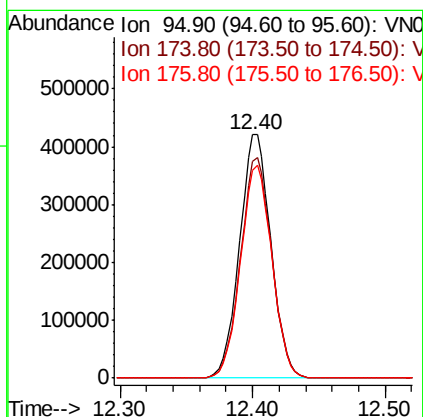
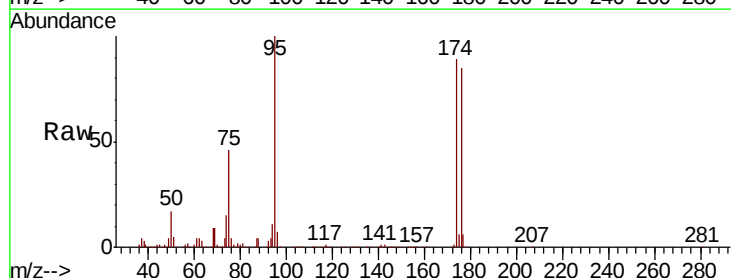
#59
2-Hexanone
Concen: 48.062 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

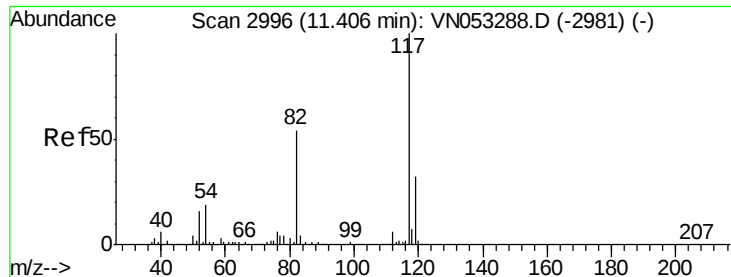
Tgt Ion: 43 Resp: 308648
Ion Ratio Lower Upper
43 100
58 19.6 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

Tgt Ion: 95 Resp: 690131
Ion Ratio Lower Upper
95 100
174 90.3 0.0 180.4
176 87.7 0.0 175.6

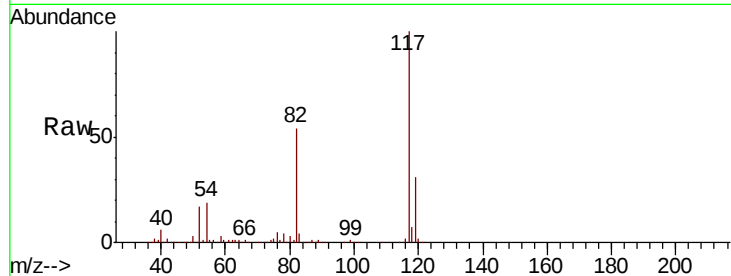




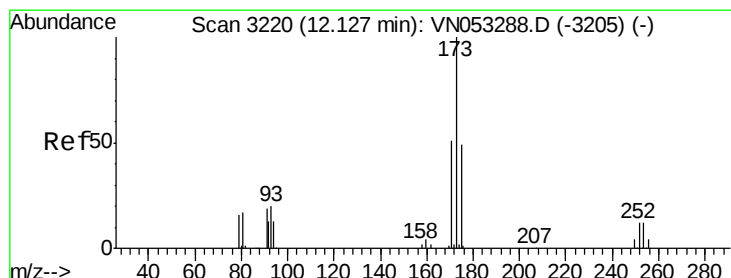
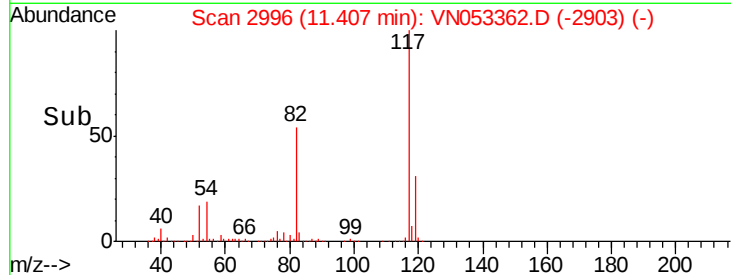
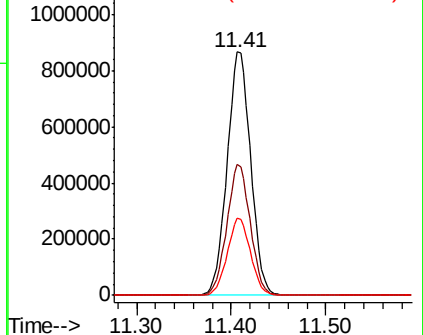
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

Tgt Ion:117 Resp: 1496423

Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.9	64.3
119	31.5	25.6	38.4



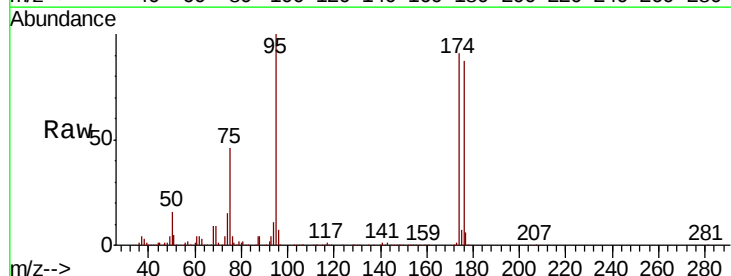
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



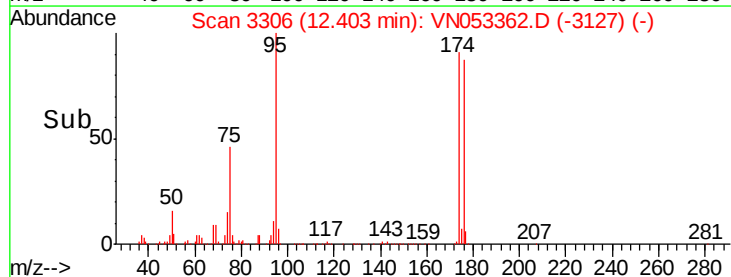
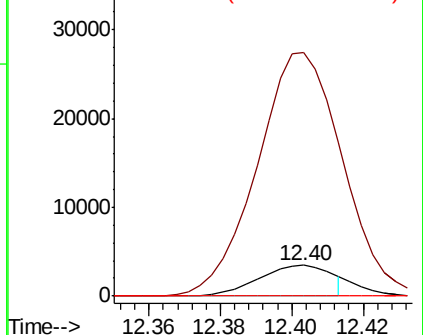
#71
Bromoform
Concen: 0.610 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

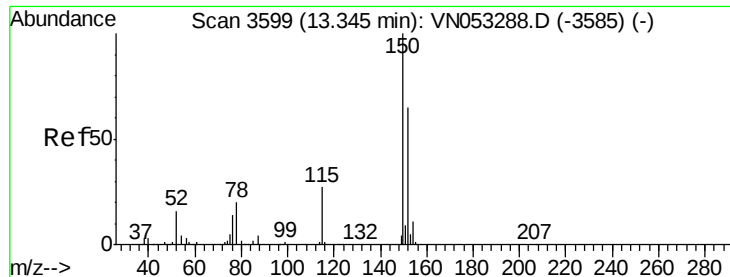
Tgt Ion:173 Resp: 4902

Ion	Ratio	Lower	Upper
173	100		
175	805.5	24.3	72.8#
254	0.0	0.2	0.2#



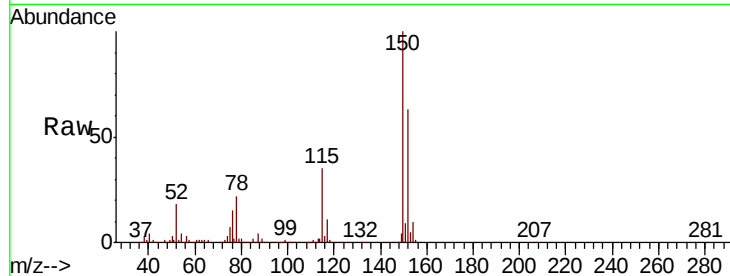
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



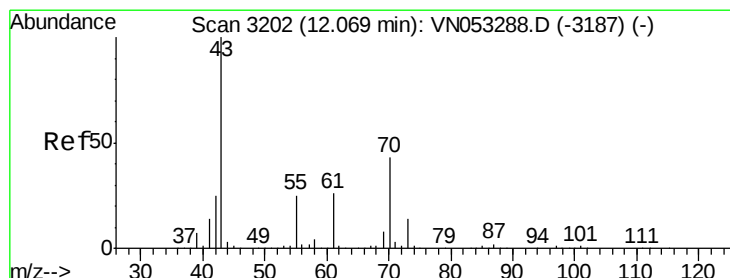
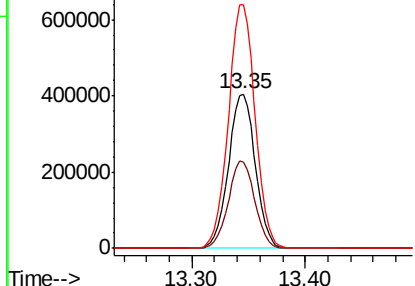
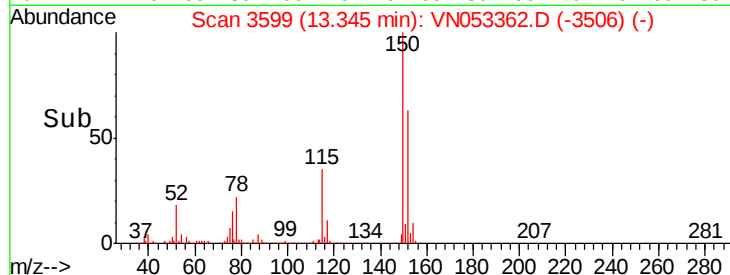


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN053362.D
 Acq: 11 Jan 2019 13:22

Tgt Ion: 152 Resp: 666171
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.0 84.0
 150 157.2 0.0 346.6

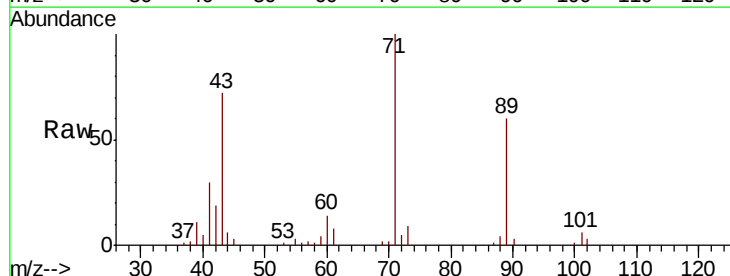


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

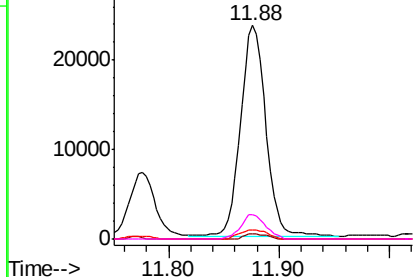
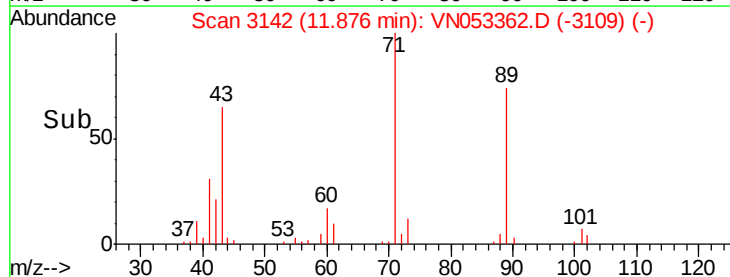


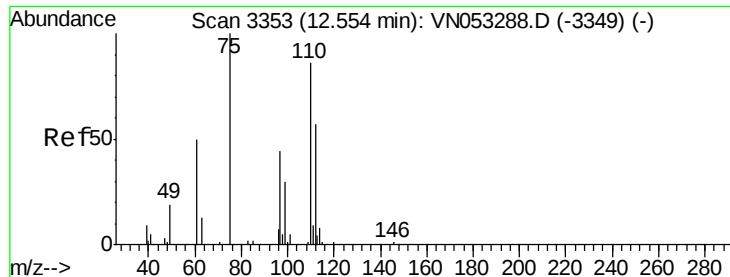
#74
 N-ethyl acetate
 Concen: 2.532 ug/l
 RT: 11.88 min Scan# 3142
 Delta R.T. -0.19 min
 Lab File: VN053362.D
 Acq: 11 Jan 2019 13:22

Tgt Ion: 43 Resp: 37497
 Ion Ratio Lower Upper
 43 100
 70 2.1 35.0 52.6#
 55 4.8 20.0 30.0#
 61 11.3 20.3 30.5#



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

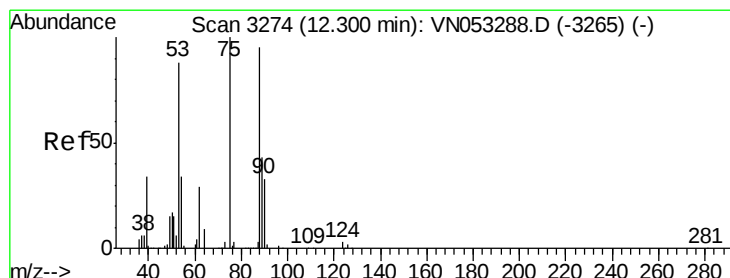
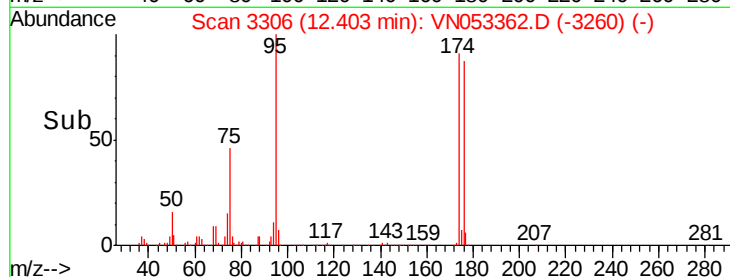
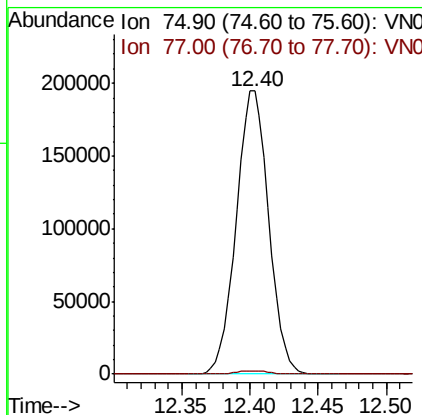
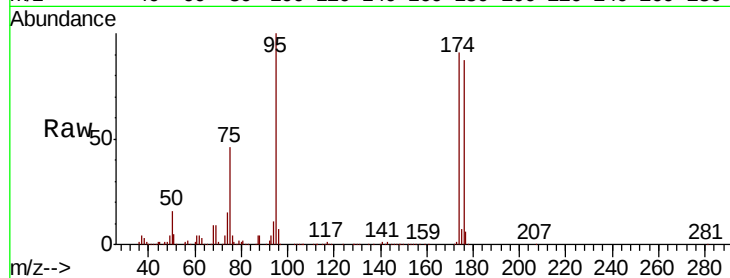




#76

1,2,3-Trichloropropane
Concen: 33.082 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

Tgt Ion: 75 Resp: 321438
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 97.332 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN053362.D
Acq: 11 Jan 2019 13:22

Tgt Ion: 75 Resp: 321438
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 35.4 53.0#

