

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092218\
 Data File : VN051382.D
 Acq On : 21 Sep 2018 20:41
 Operator : MD\SY
 Sample : PB113086ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

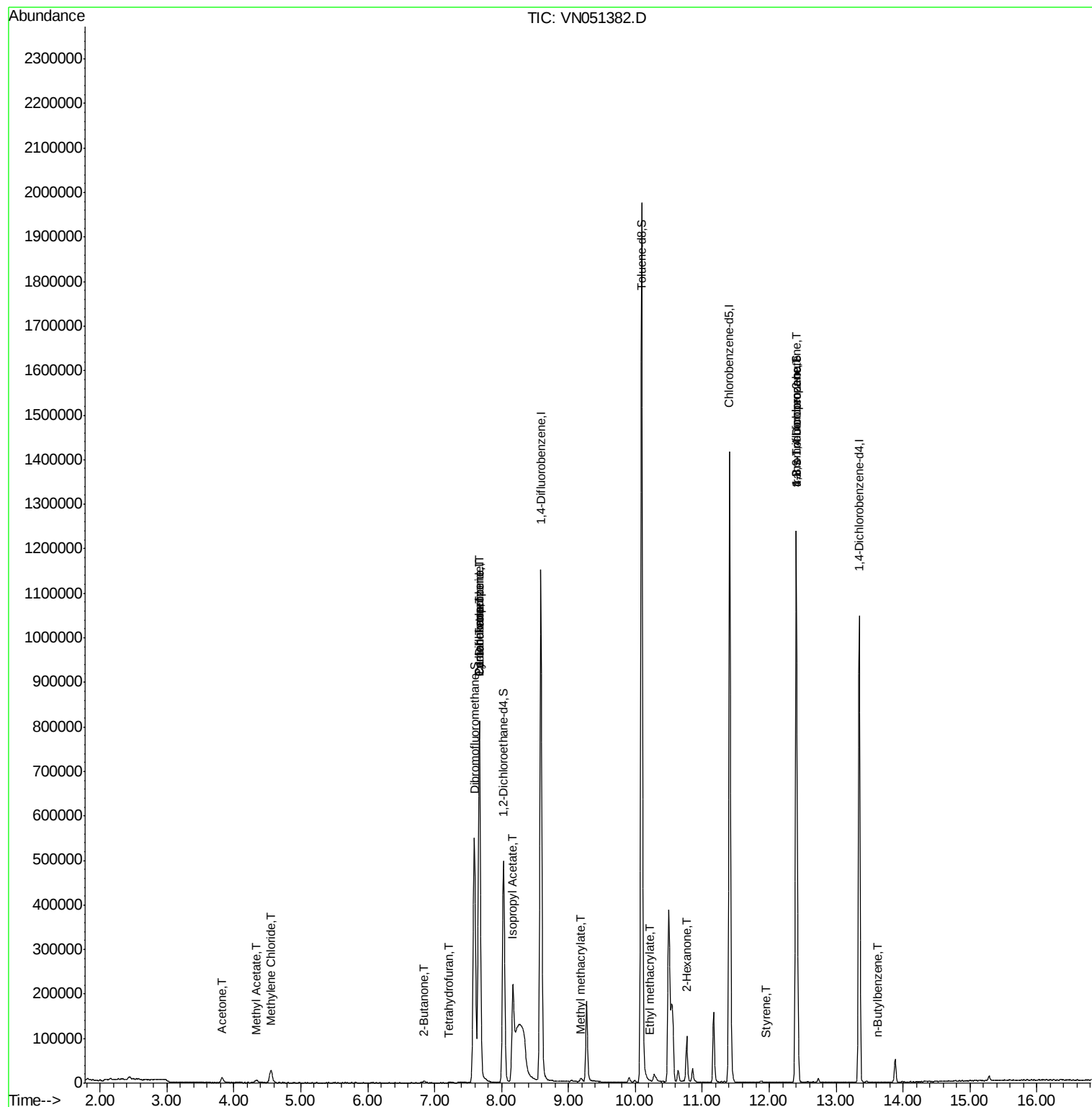
Quant Time: Sep 21 23:05:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 04:23:57 2018
 Response via : Initial Calibration

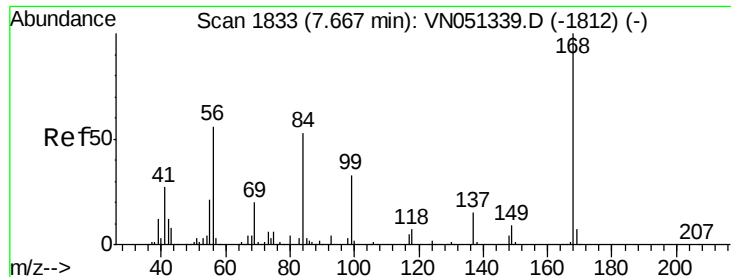
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	746510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1124434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	915646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316344	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	426600	52.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.44%	
35) Dibromofluoromethane	7.59	113	418351	46.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.08%	
50) Toluene-d8	10.09	98	1482290	42.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.86%	
62) 4-Bromofluorobenzene	12.40	95	384893	33.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.74%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.06	50	988	Below Cal		93
16) Acetone	3.82	43	20282	11.458	ug/l	95
18) Methyl Acetate	4.33	43	12541	1.585	ug/l	92
20) Methylene Chloride	4.55	84	22017	2.647	ug/l	97
25) 2-Butanone	6.85	43	3948	1.708	ug/l	98
29) Tetrahydrofuran	7.21	42	962	0.657	ug/l #	84
31) Cyclohexane	7.67	56	10435	0.424	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44379	3.858	ug/l #	48
38) Carbon Tetrachloride	7.67	117	63533	5.106	ug/l #	17
43) Isopropyl Acetate	8.17	43	289404	29.021	ug/l #	88
48) Methyl methacrylate	9.18	41	5318	1.046	ug/l #	18
56) Ethyl methacrylate	10.22	69	1662	1.743	ug/l #	46
59) 2-Hexanone	10.77	43	13018	3.600	ug/l #	53
70) Styrene	11.97	104	245	0.904	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	12.40	83	185	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	177524	42.029	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	177524	125.816	ug/l #	14
89) n-Butylbenzene	13.61	91	76	1.433	ug/l #	33

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

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QLast Update : Fri Sep 21 04:23:57 2018
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: VN051382.D

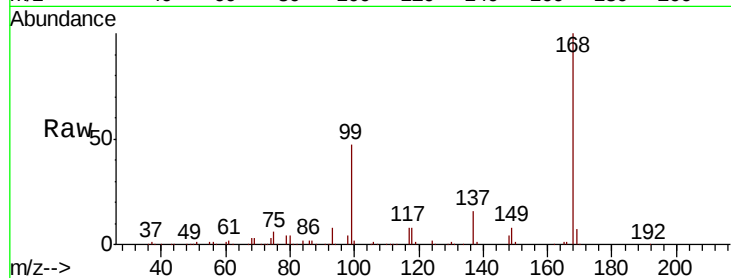
Acq: 21 Sep 2018 20:41

Tot Ion:168 Resp: 746510

Ion Ratio Lower Upper

168 100

99 46.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN051339.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN051339.D (-1812) (-)

7.67

300000

200000

100000

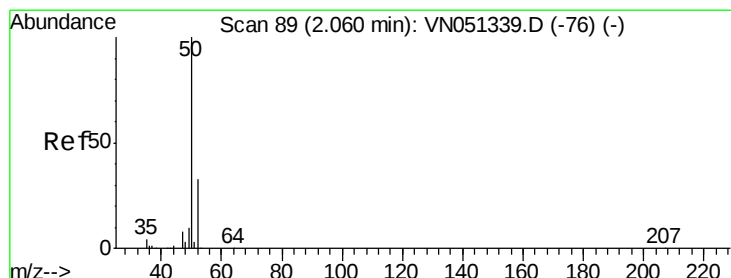
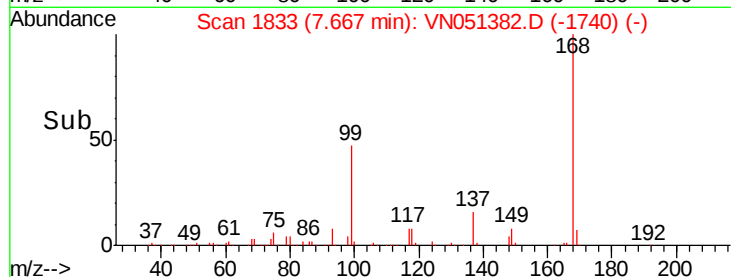
0

Time-->

7.60

7.70

7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051382.D

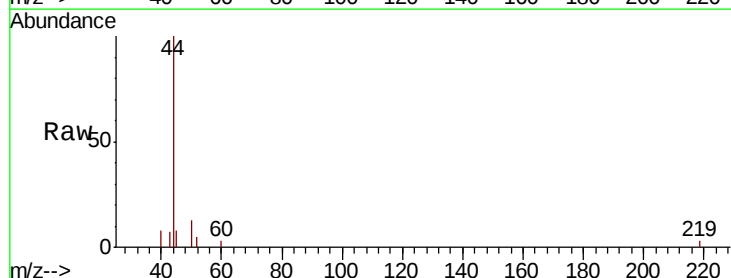
Acq: 21 Sep 2018 20:41

Tgt Ion: 50 Resp: 988

Ion Ratio Lower Upper

50 100

52 37.2 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN051339.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN051339.D (-76) (-)

2.06

800

600

400

200

0

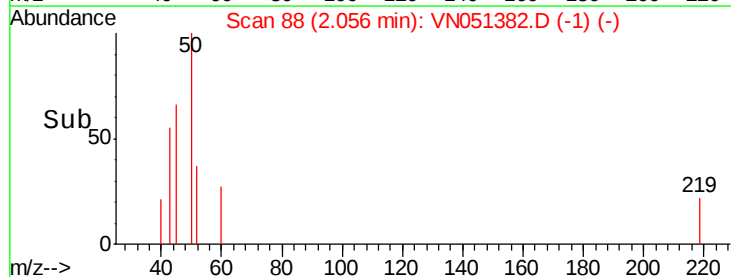
Time-->

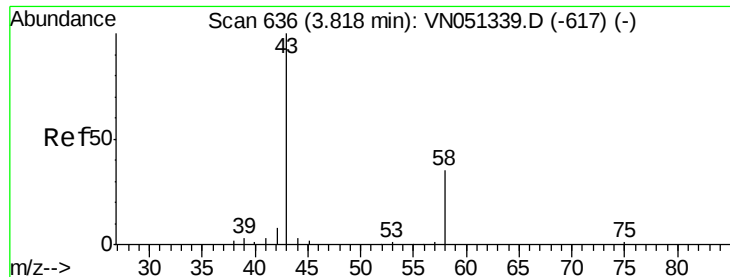
2.02

2.04

2.06

2.08





#16

Acetone

Concen: 11.458 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051382.D

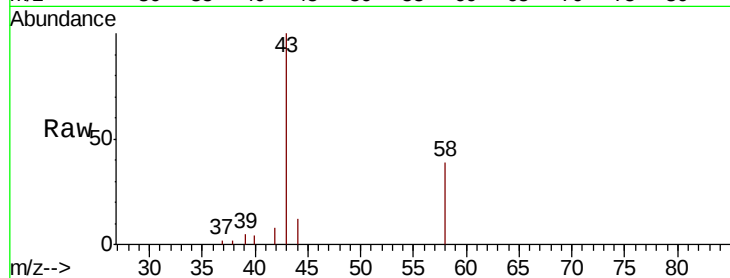
Acq: 21 Sep 2018 20:41

Tot Ion: 43 Resp: 20282

Ion Ratio Lower Upper

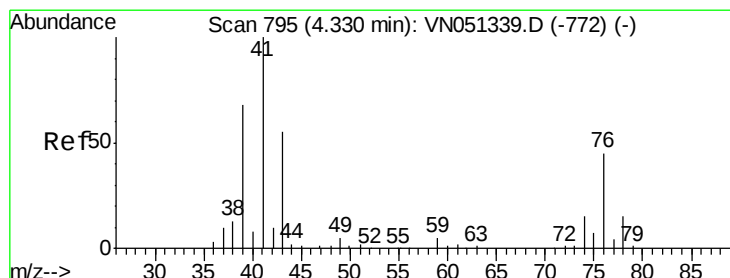
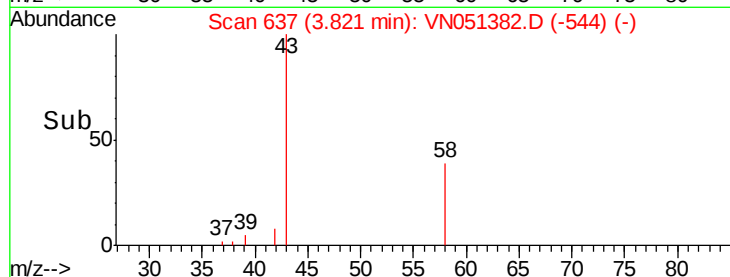
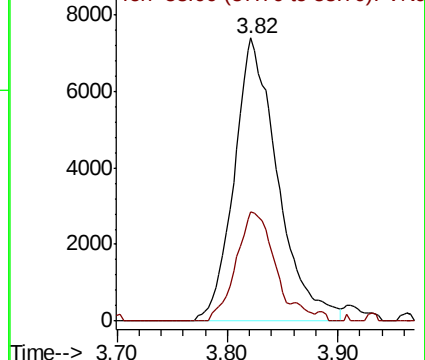
43 100

58 38.6 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.585 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN051382.D

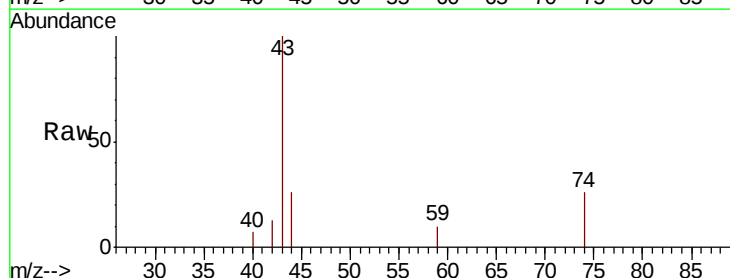
Acq: 21 Sep 2018 20:41

Tgt Ion: 43 Resp: 12541

Ion Ratio Lower Upper

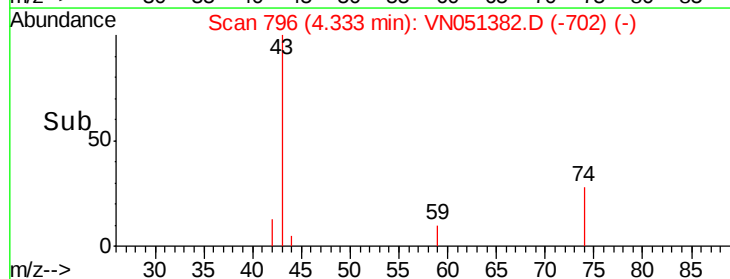
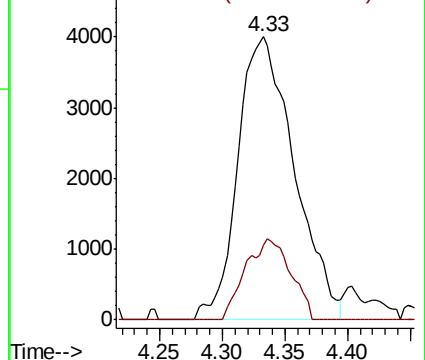
43 100

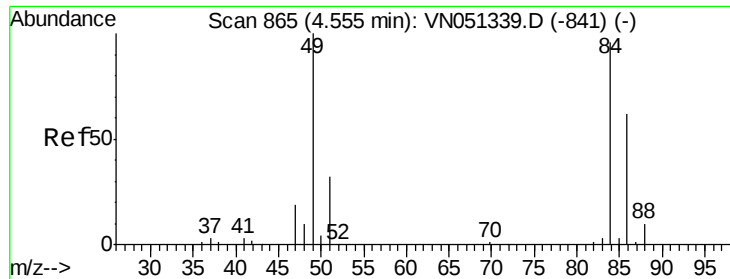
74 22.9 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

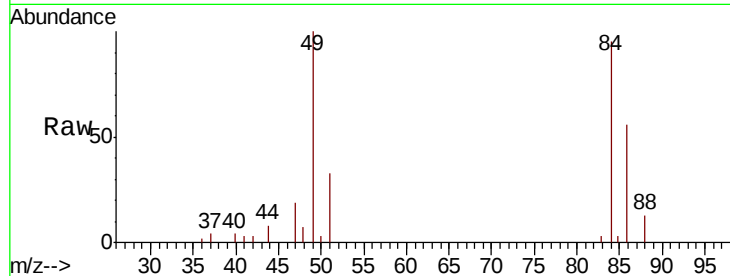
Ion 74.00 (73.70 to 74.70): VN0



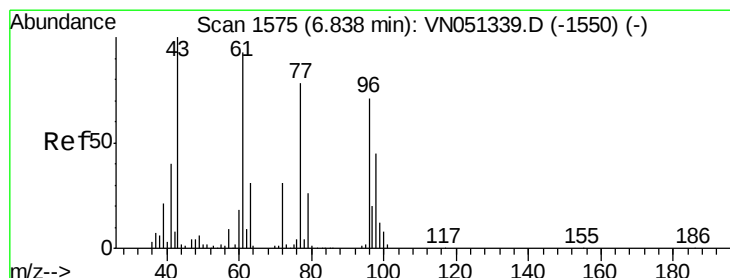
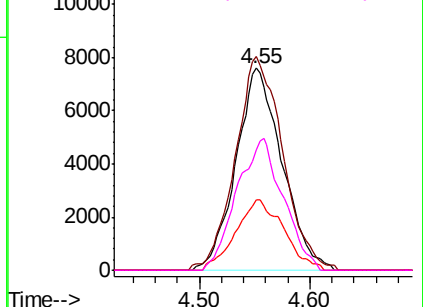
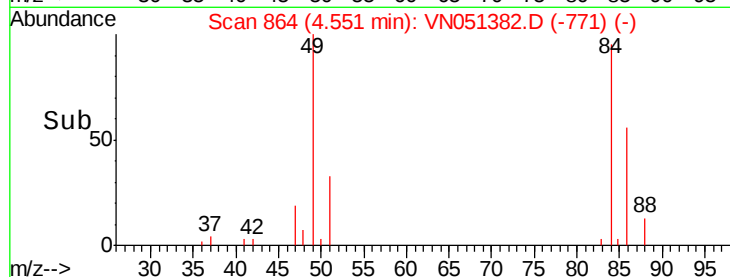


#20
Methvlene Chloride
Concen: 2.647 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051382.D
Acq: 21 Sep 2018 20:41

Tot Ion: 84 Resp: 22017
Ion Ratio Lower Upper
84 100
49 105.7 83.2 124.8
51 34.8 26.4 39.6
86 59.5 51.4 77.0

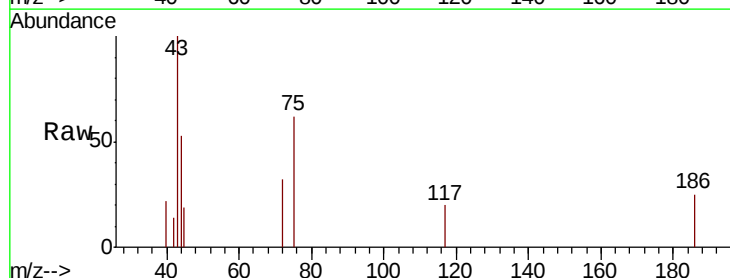


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

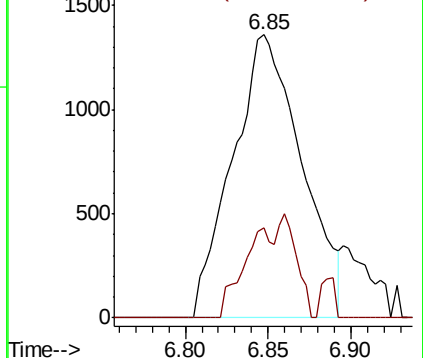
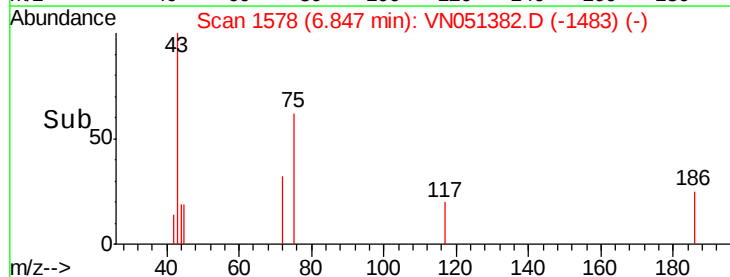


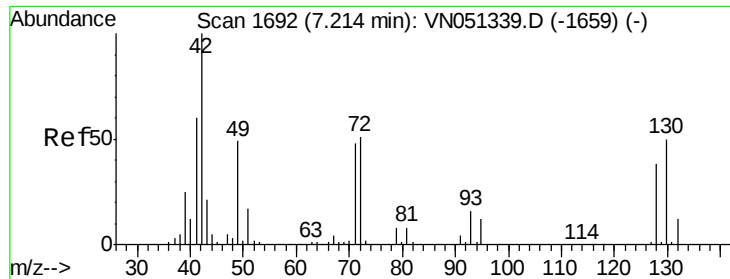
#25
2-Butanone
Concen: 1.708 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051382.D
Acq: 21 Sep 2018 20:41

Tgt Ion: 43 Resp: 3948
Ion Ratio Lower Upper
43 100
72 31.8 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC





#29

Tetrahydrofuran

Concen: 0.657 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN051382.D

Acq: 21 Sep 2018 20:41

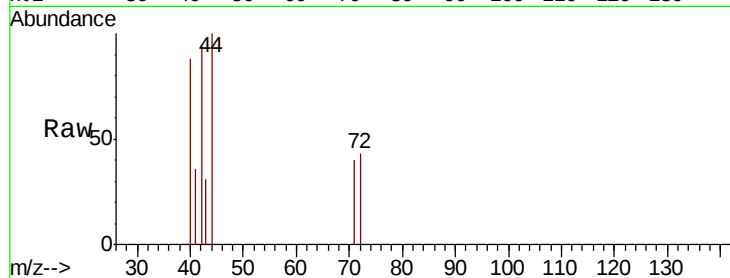
Tot Ion: 42 Resp: 962

Ion Ratio Lower Upper

42 100

72 44.9 39.0 58.4

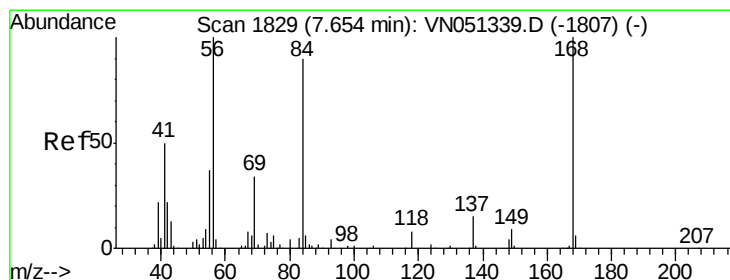
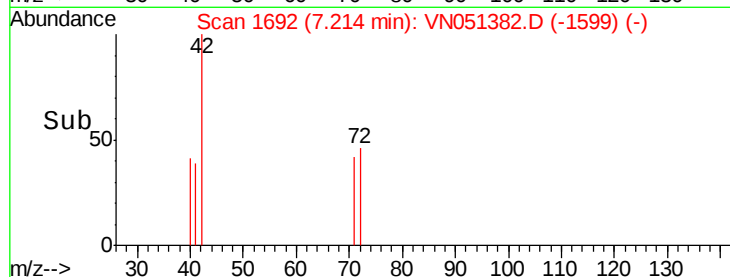
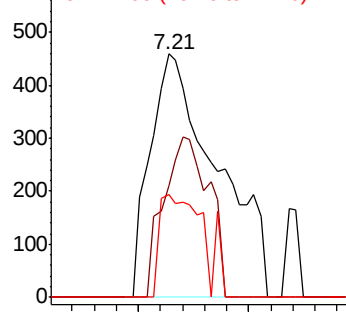
71 27.9 36.5 54.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.424 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051382.D

Acq: 21 Sep 2018 20:41

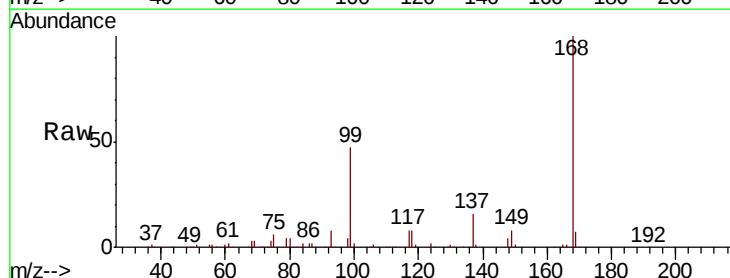
Tgt Ion: 56 Resp: 10435

Ion Ratio Lower Upper

56 100

69 239.4 27.3 40.9#

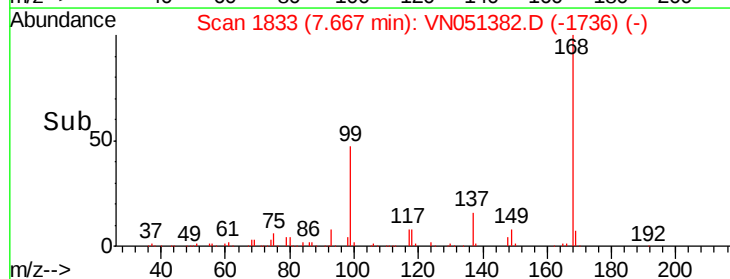
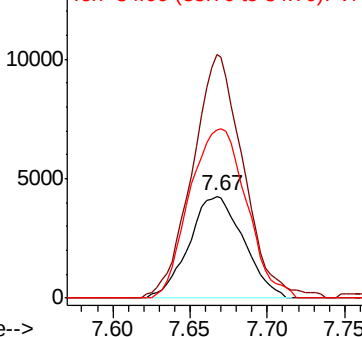
84 165.6 72.2 108.2#

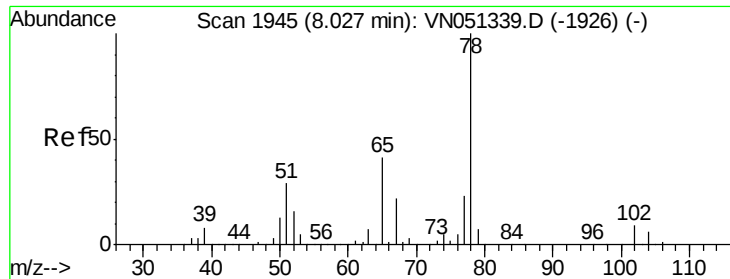


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.725 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051382.D

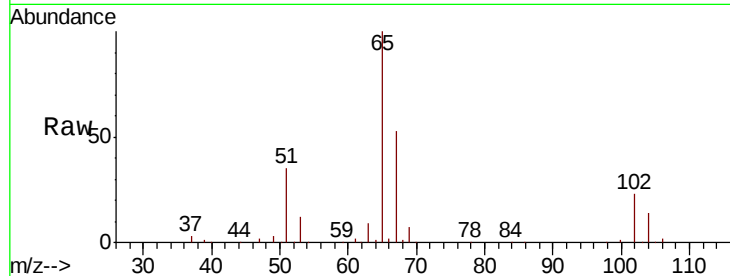
Acq: 21 Sep 2018 20:41

Tot Ion: 65 Resp: 426600

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

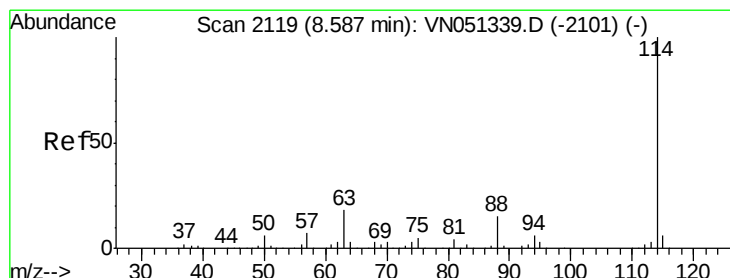
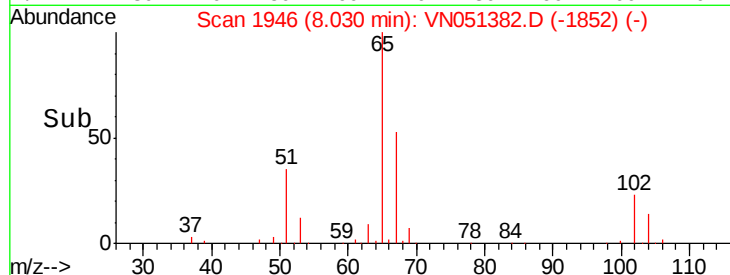
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051382.D

Acq: 21 Sep 2018 20:41

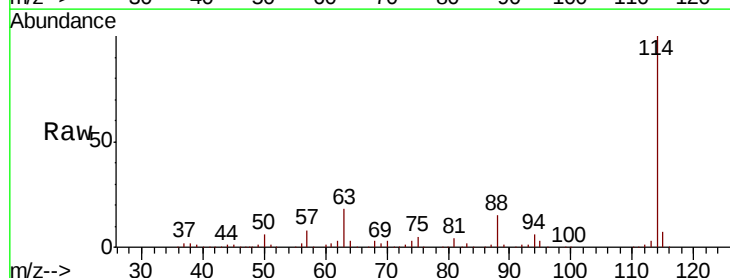
Tgt Ion: 114 Resp: 1124434

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.6

88 14.9 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

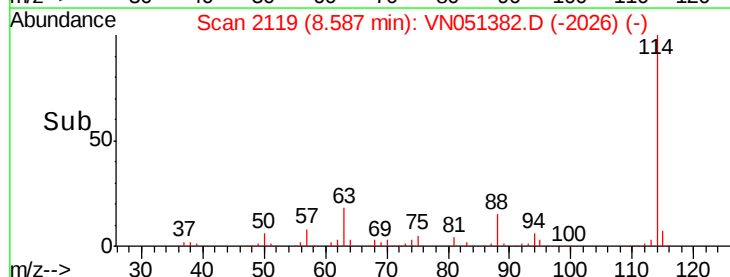
600000

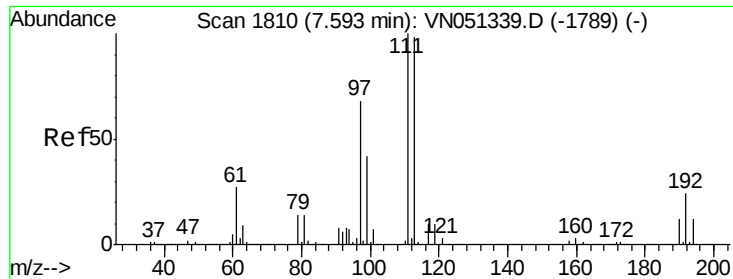
400000

200000

0

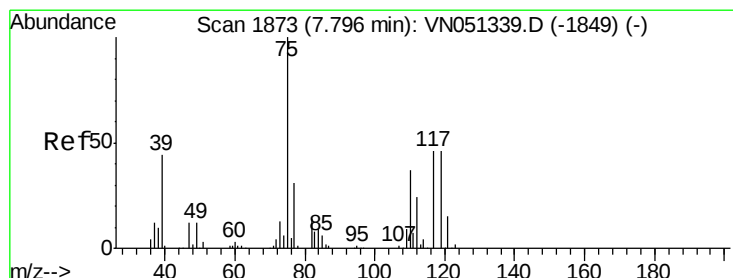
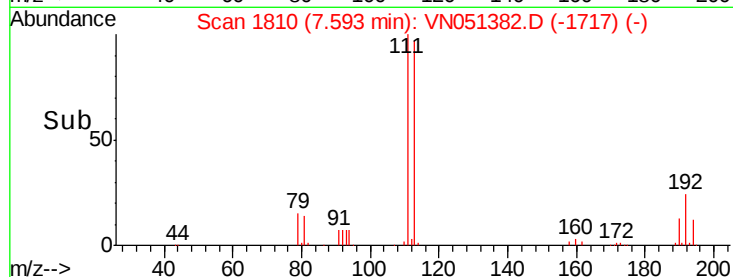
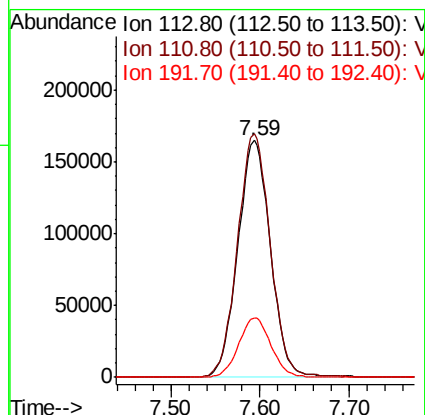
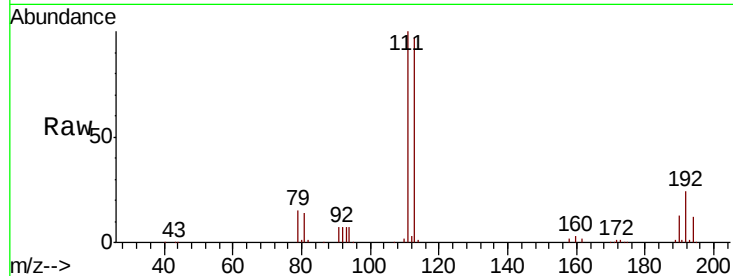
Time--> 8.50 8.60 8.70 8.80





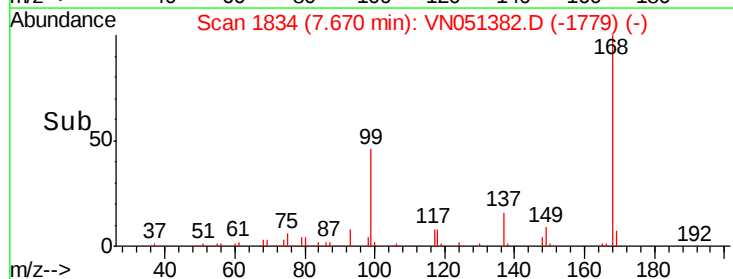
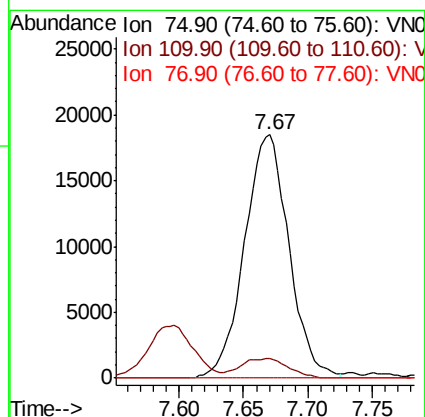
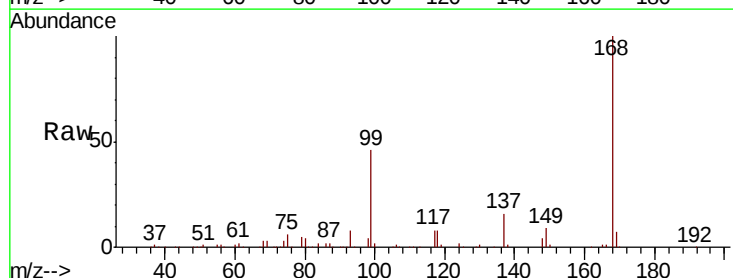
#35
 Dibromofluoromethane
 Concen: 46.039 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051382.D
 Acq: 21 Sep 2018 20:41

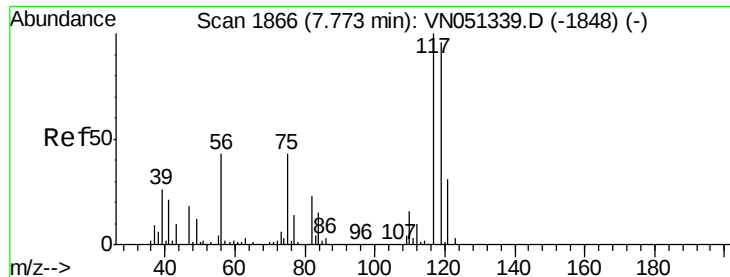
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	24.9	19.8	29.6



#36
 1,1-Dichloropropene
 Concen: 3.858 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051382.D
 Acq: 21 Sep 2018 20:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.9	56.5#
77	0.0	25.4	38.2#





#38

Carbon Tetrachloride

Concen: 5.106 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051382.D

Acq: 21 Sep 2018 20:41

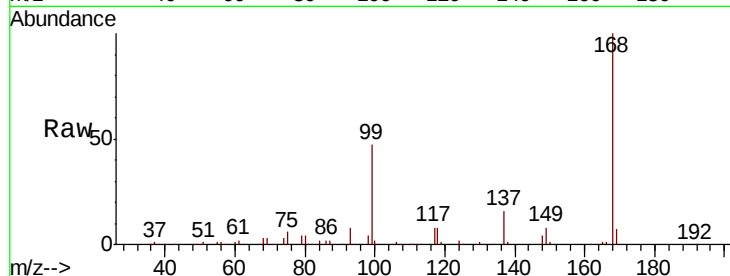
Tot Ion:117 Resp: 63533

Ion Ratio Lower Upper

117 100

119 6.3 77.0 115.4#

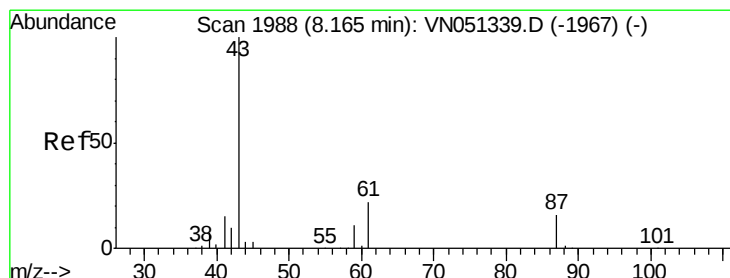
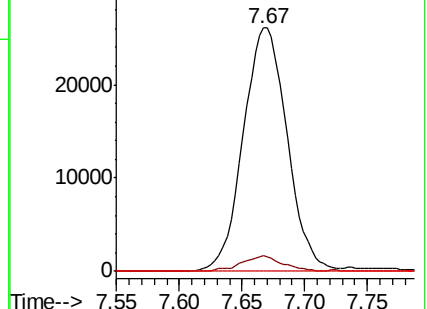
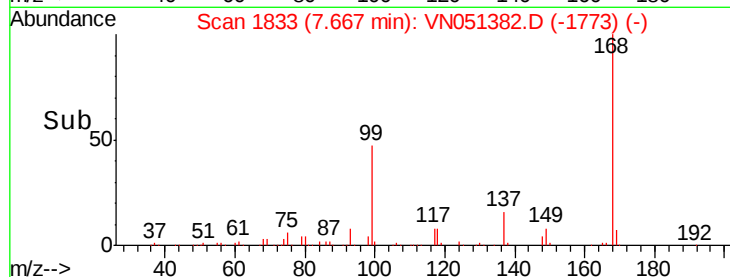
121 0.0 25.0 37.4#



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: 29.021 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051382.D

Acq: 21 Sep 2018 20:41

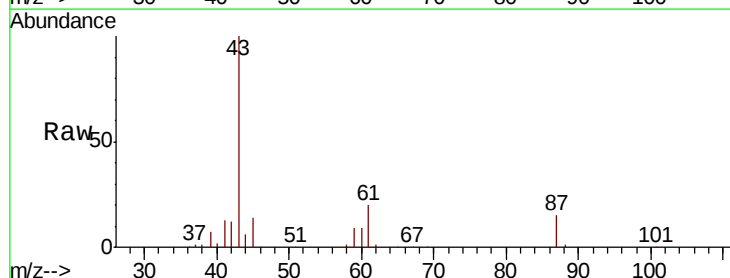
Tgt Ion: 43 Resp: 289404

Ion Ratio Lower Upper

43 100

61 16.3 18.1 27.1#

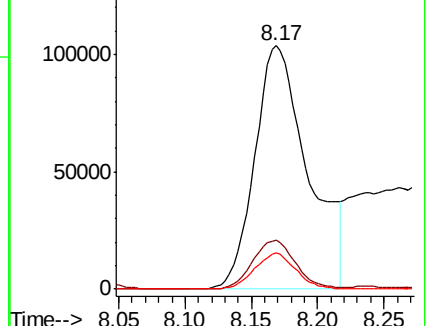
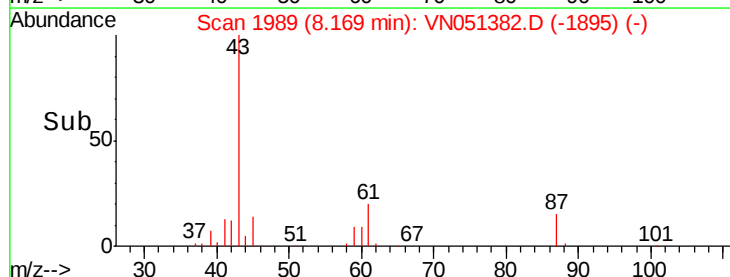
87 11.5 12.8 19.2#

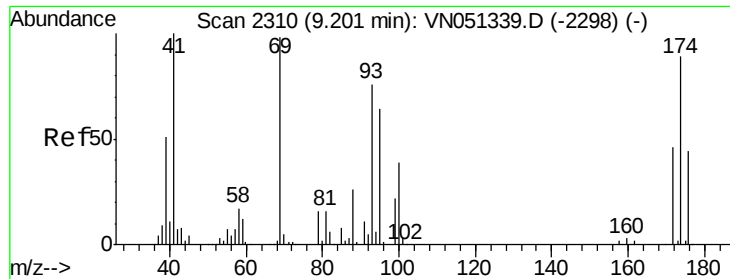


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

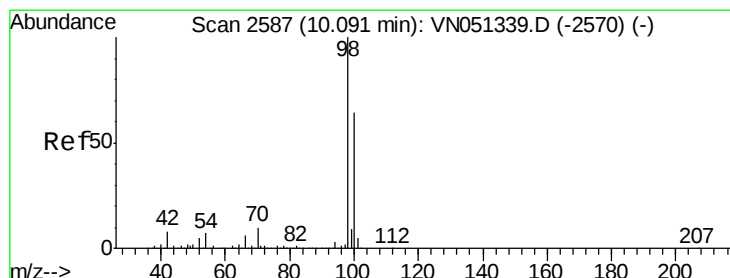
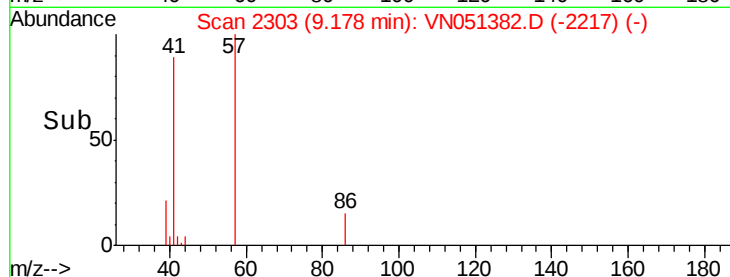
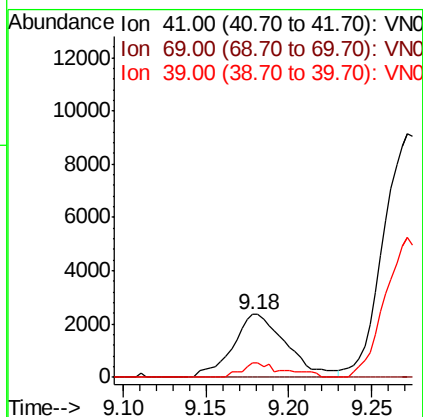
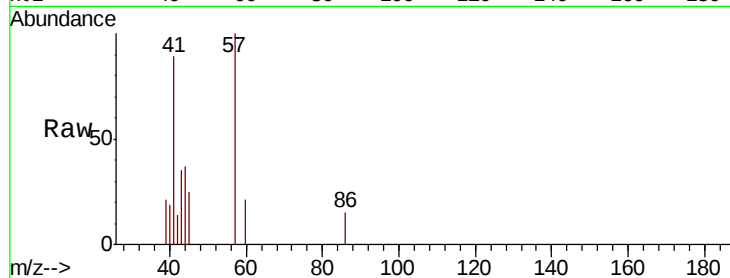
Ion 87.00 (86.70 to 87.70): V





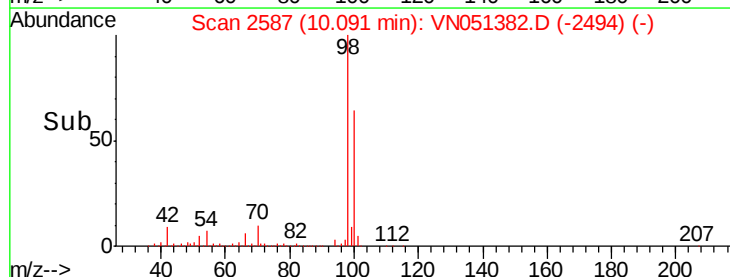
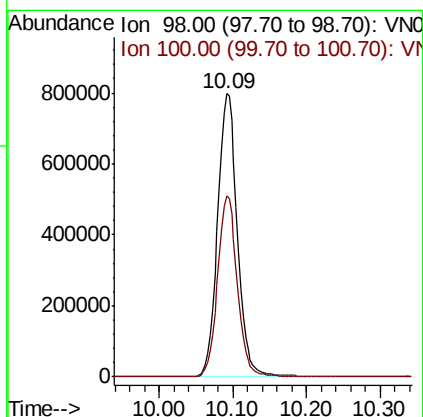
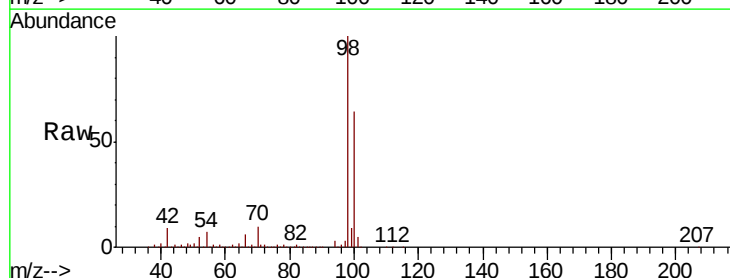
#48
Methvl methacrylate
Concen: 1.046 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN051382.D
Acq: 21 Sep 2018 20:41

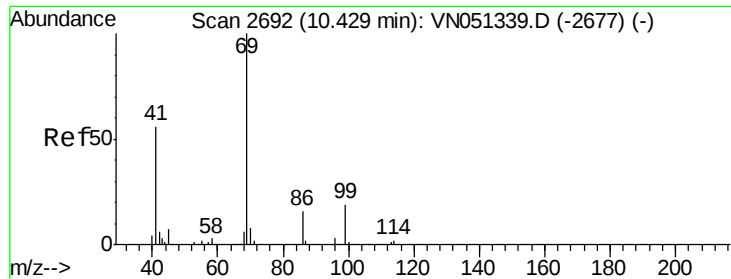
Tot Ion: 41 Resp: 5318
Ion Ratio Lower Upper
41 100
69 0.0 79.4 119.0#
39 18.1 43.0 64.6#



#50
Toluene-d8
Concen: 42.433 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051382.D
Acq: 21 Sep 2018 20:41

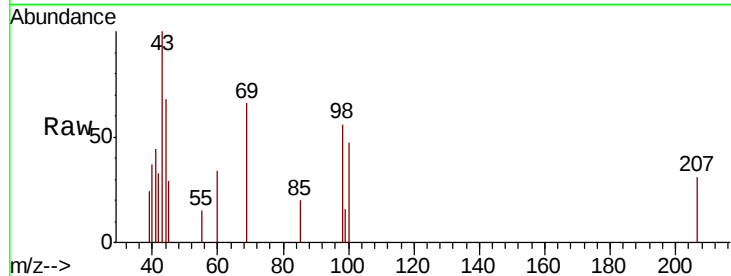
Tgt Ion: 98 Resp: 1482290
Ion Ratio Lower Upper
98 100
100 63.7 51.3 76.9



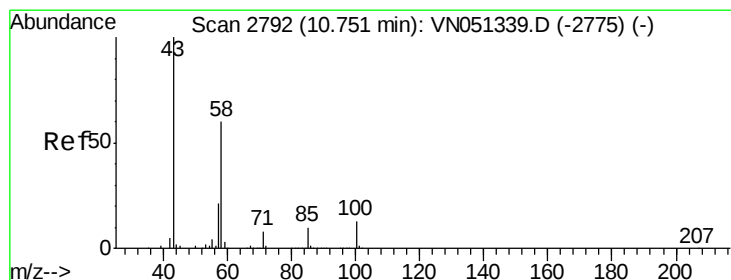
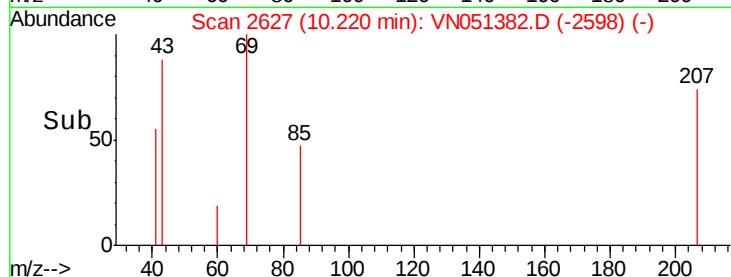
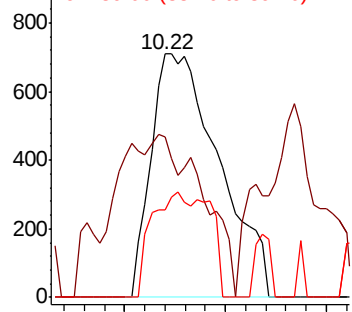


#56
Ethyl methacrylate
Concen: 1.743 ug/l
RT: 10.22 min Scan# 2627
Delta R.T. -0.21 min
Lab File: VN051382.D
Acq: 21 Sep 2018 20:41

Tot Ion: 69 Resp: 1662
Ion Ratio Lower Upper
69 100
41 0.0 45.1 67.7#
39 24.3 23.4 35.2

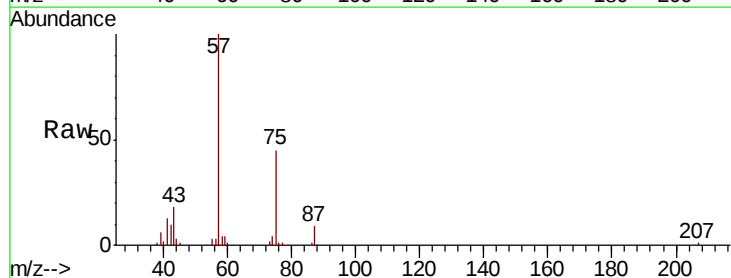


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

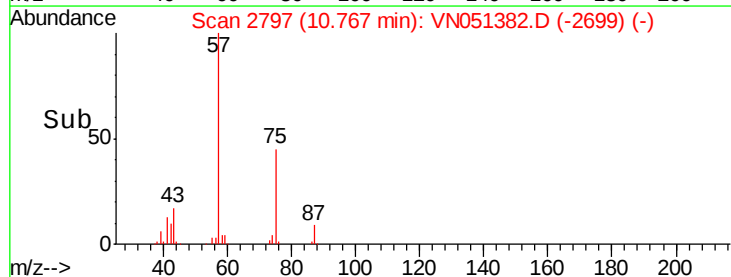
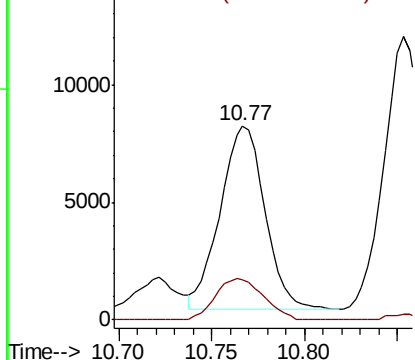


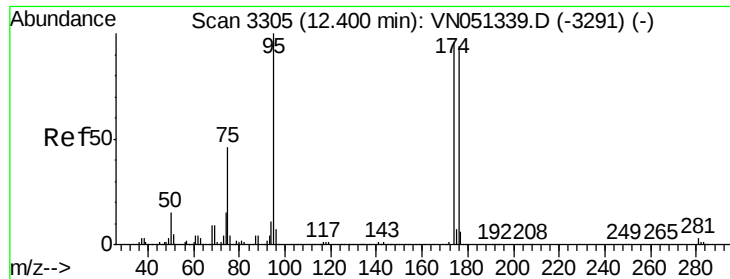
#59
2-Hexanone
Concen: 3.600 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN051382.D
Acq: 21 Sep 2018 20:41

Tgt Ion: 43 Resp: 13018
Ion Ratio Lower Upper
43 100
58 24.3 29.9 89.8#



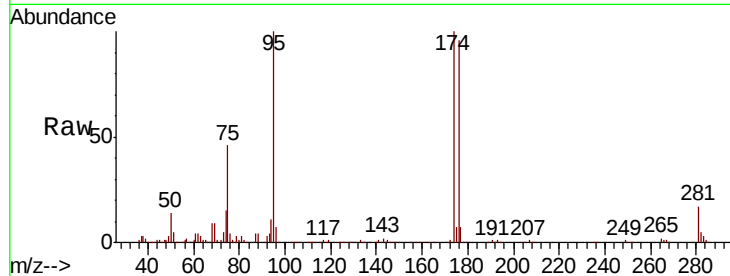
Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#62
4-Bromofluorobenzene
Concen: 33.868 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051382.D
Acq: 21 Sep 2018 20:41

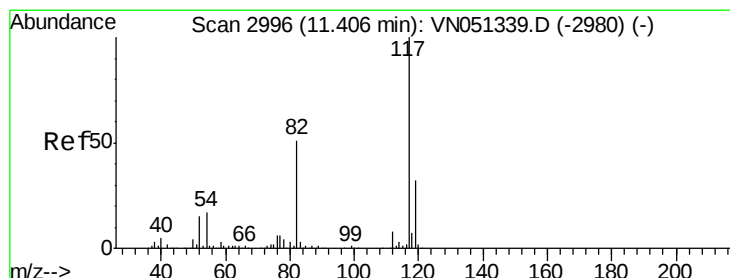
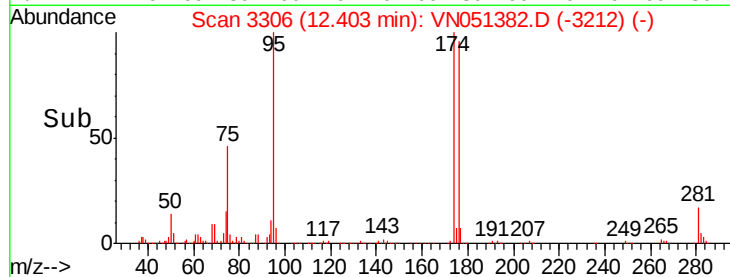
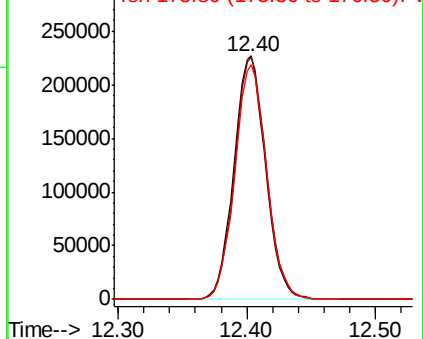
Tot Ion	Ratio	Lower	Upper
95	100		
174	100.2	0.0	194.6
176	96.9	0.0	189.6



Abundance Ion 94.90 (94.60 to 95.60): VN051339.D (-3291) (-)

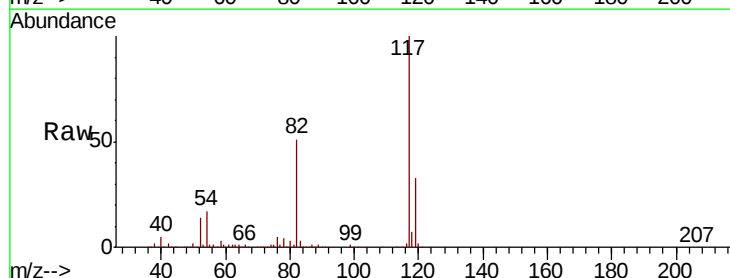
Ion 173.80 (173.50 to 174.50): VN051339.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051339.D (-3291) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051382.D
Acq: 21 Sep 2018 20:41

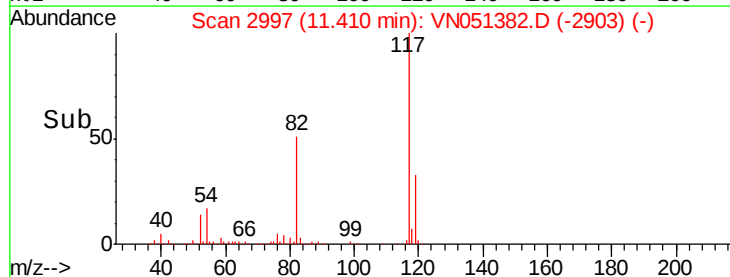
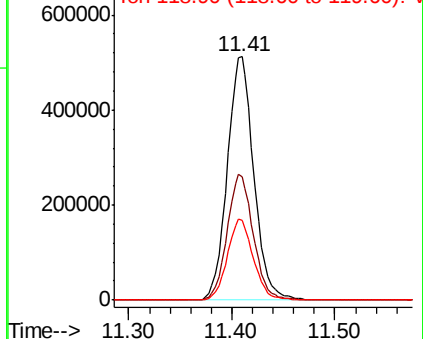
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.6	40.7	61.1
119	32.7	25.3	37.9

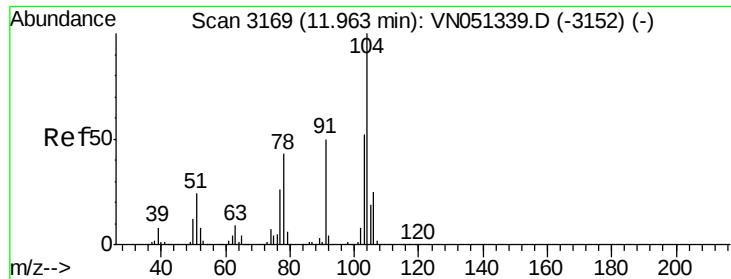


Abundance Ion 116.90 (116.60 to 117.60): VN051339.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051339.D (-2980) (-)

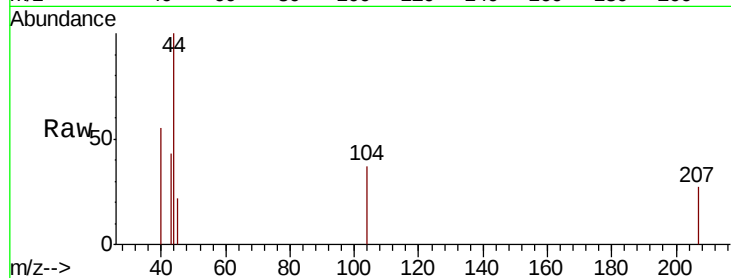
Ion 118.90 (118.60 to 119.60): VN051339.D (-2980) (-)



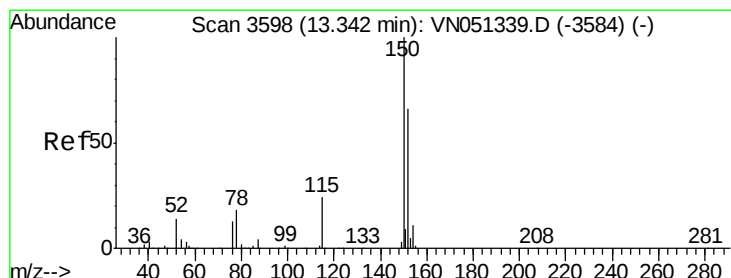
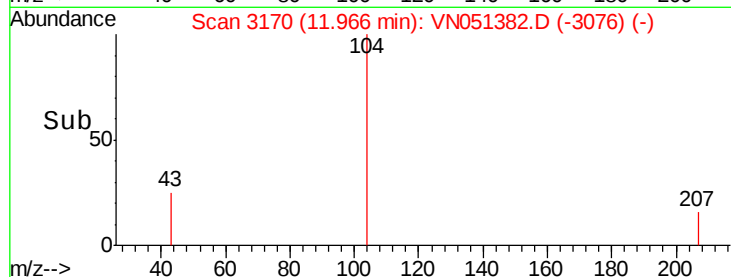
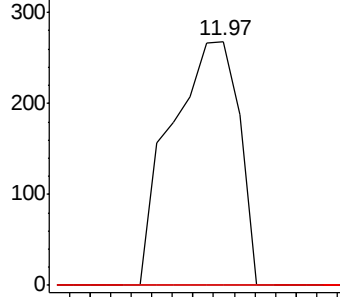


#70
Stvrene
Concen: 0.904 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051382.D
Acq: 21 Sep 2018 20:41

Tot Ion:104 Resp: 245
Ion Ratio Lower Upper
104 100
78 0.0 37.8 56.6#
103 0.0 44.3 66.5#

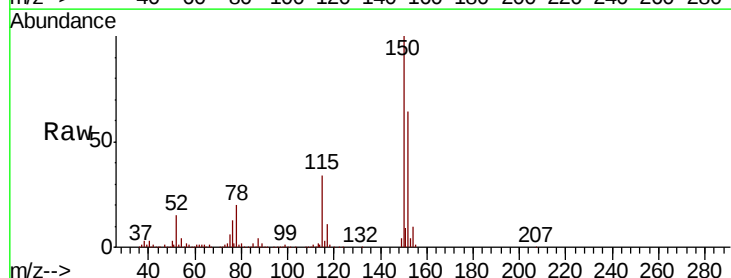


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN051339.D (-3152) (-)
Ion 103.00 (102.70 to 103.70): V

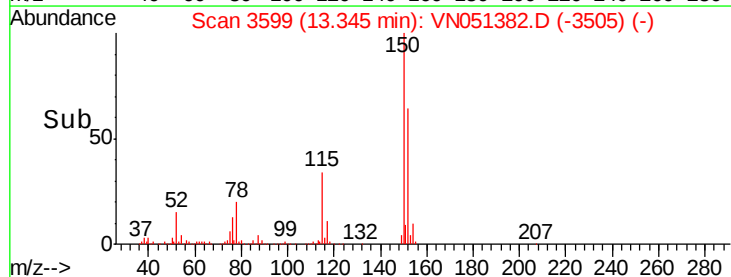
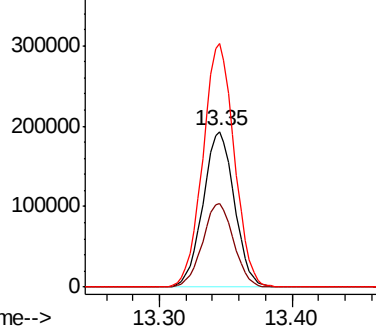


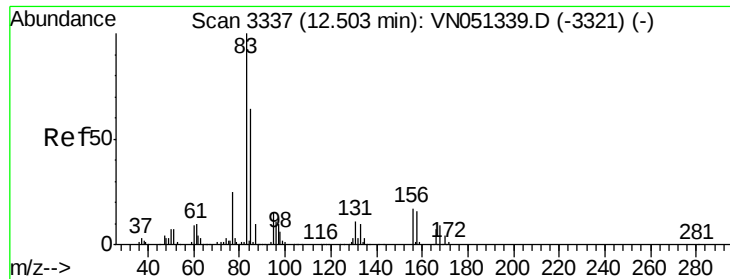
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051382.D
Acq: 21 Sep 2018 20:41

Tgt Ion:152 Resp: 316344
Ion Ratio Lower Upper
152 100
115 53.3 26.9 80.7
150 157.2 0.0 345.0



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

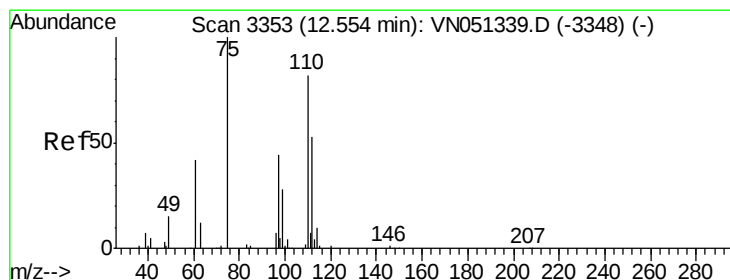
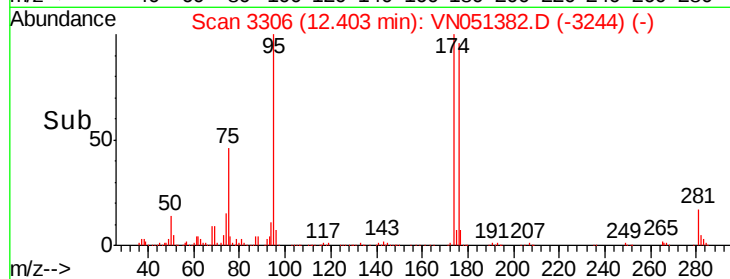
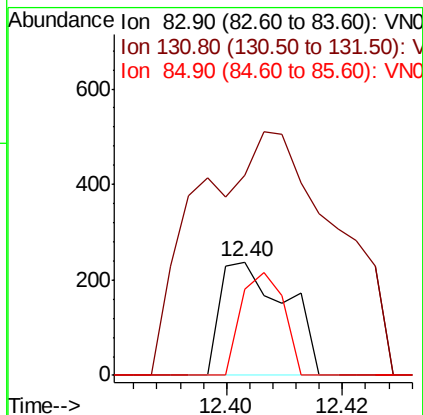
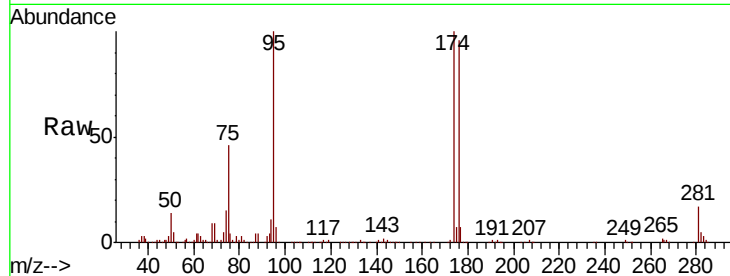
RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN051382.D

Acq: 21 Sep 2018 20:41

Tot Ion:	83	Resp:	185
Ion	Ratio	Lower	Upper
83	100		
131	457.3	5.5	16.7#
85	58.9	32.3	96.9



#76

1,2,3-Trichloropropane

Concen: 42.029 ug/l

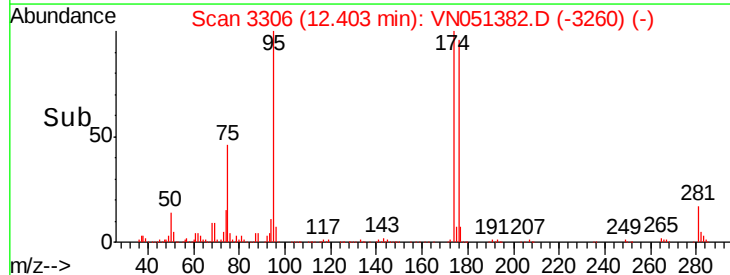
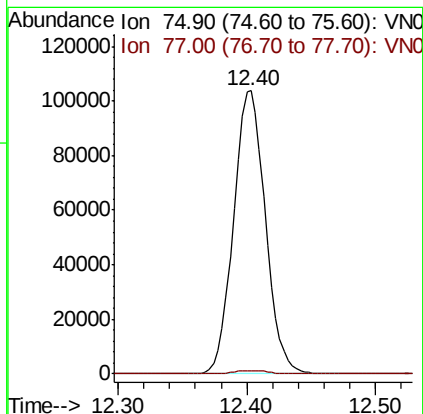
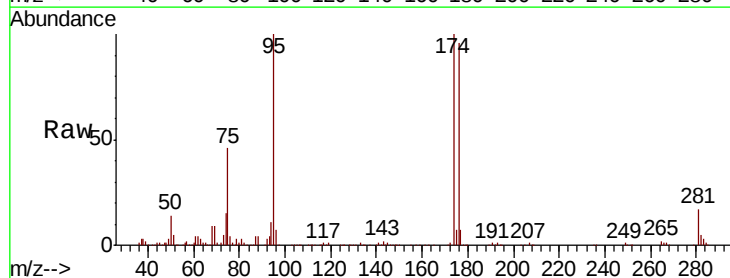
RT: 12.40 min Scan# 3306

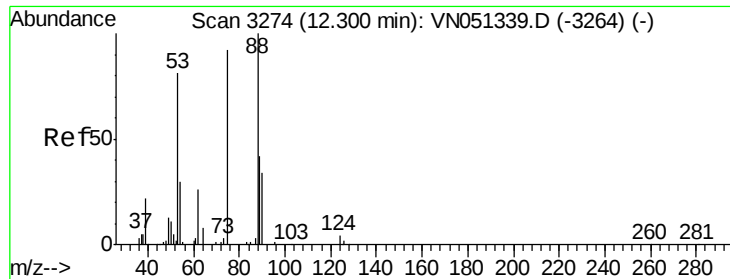
Delta R.T. -0.15 min

Lab File: VN051382.D

Acq: 21 Sep 2018 20:41

Tgt Ion:	75	Resp:	177524
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 125.816 ug/l

RT: 12.40 min Scan# 3306

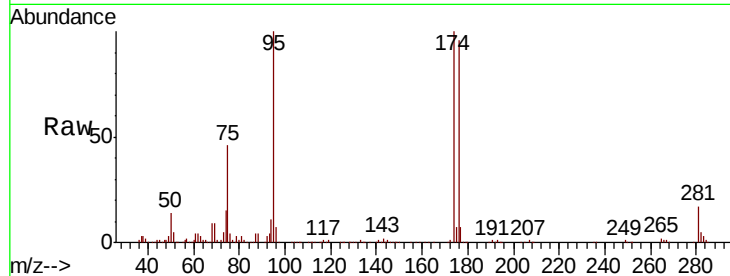
Delta R.T. 0.10 min

Lab File: VN051382.D

Acq: 21 Sep 2018 20:41

Tot Ion: 75 Resp: 177524

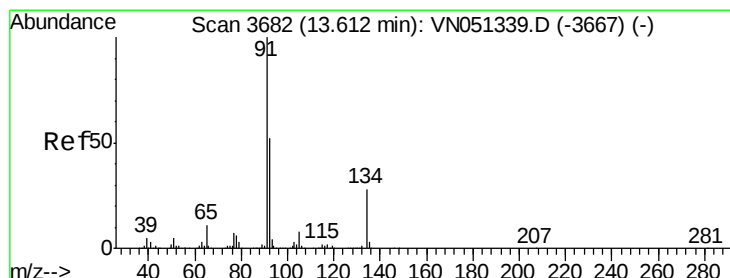
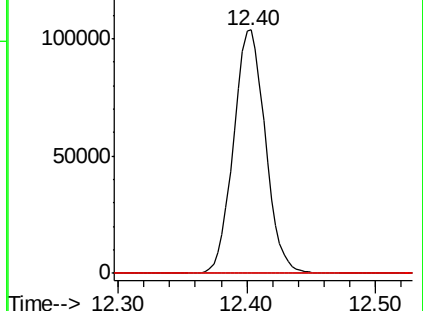
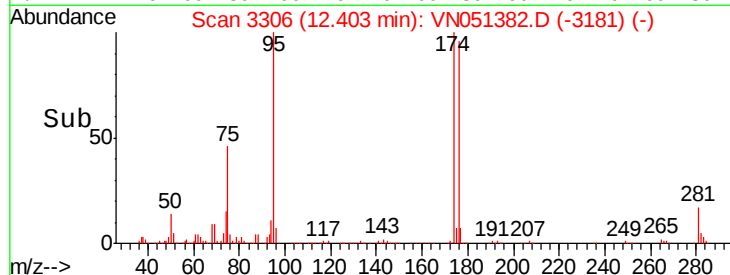
Ion	Ratio	Lower	Upper
75	100		
53	0.1	69.9	104.9#
89	0.0	37.9	56.9#



Abundance Ion 74.90 (74.60 to 75.60): VN051382.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051382.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051382.D (-3181) (-)



#89

n-Butylbenzene

Concen: 1.433 ug/l

RT: 13.61 min Scan# 3681

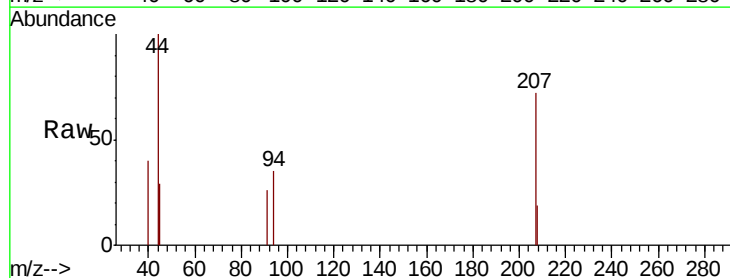
Delta R.T. -0.00 min

Lab File: VN051382.D

Acq: 21 Sep 2018 20:41

Tgt Ion: 91 Resp: 76

Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.0	78.0#
134	0.0	14.1	42.4#



Abundance Ion 91.00 (90.70 to 91.70): VN051382.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN051382.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN051382.D (-3589) (-)

