

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051357.D
 Acq On : 20 Sep 2018 22:36
 Operator : MD\SY
 Sample : J4778-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-01-091918

Quant Time: Sep 21 06:49:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	773611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1164316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	977727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	393386	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	440793	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
35) Dibromofluoromethane	7.59	113	431860	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
50) Toluene-d8	10.09	98	1550468	42.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.72%	
62) 4-Bromofluorobenzene	12.40	95	433376	36.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.66%	

Target Compounds

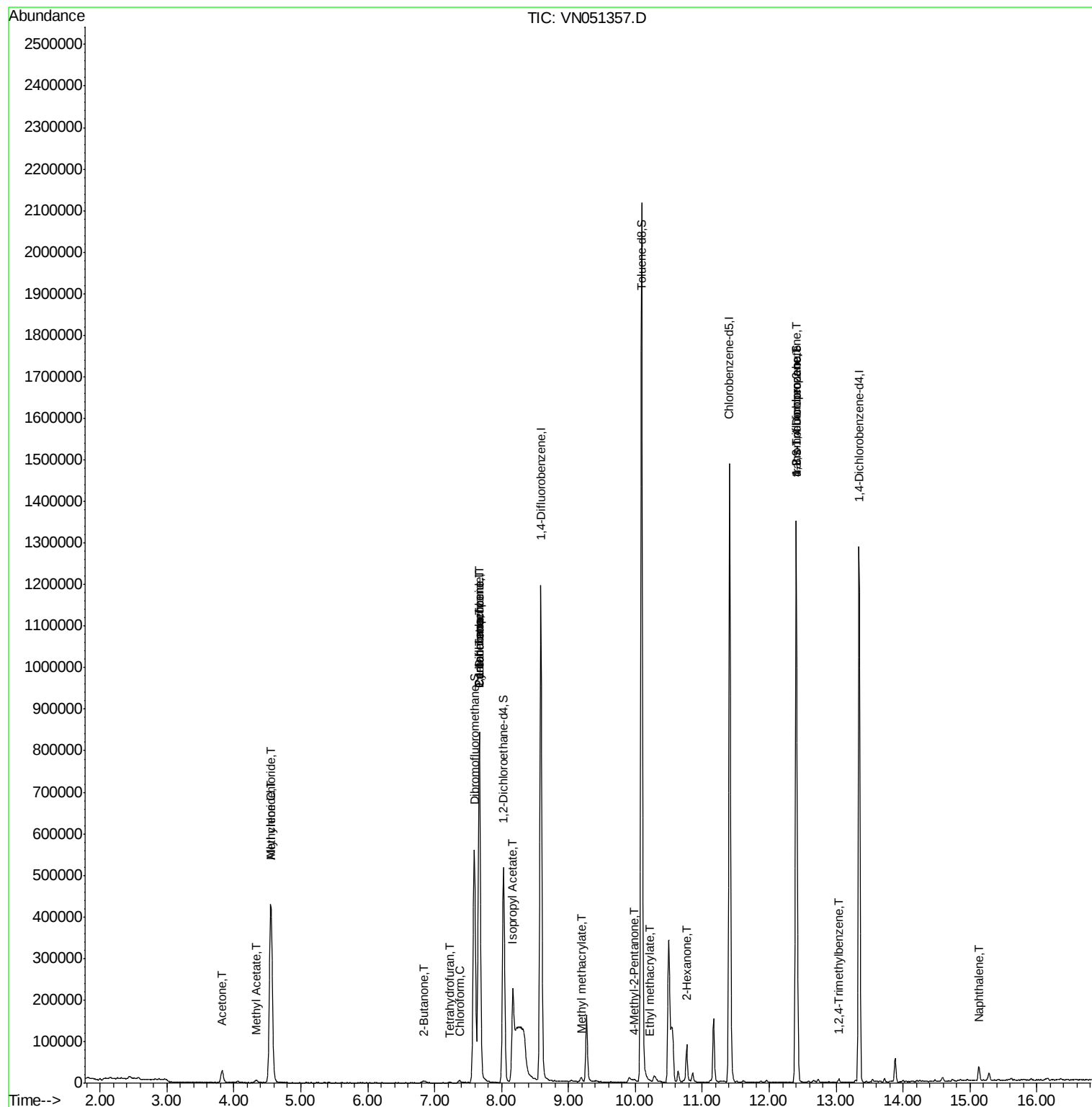
						Qvalue
14) Allyl chloride	4.55	41	11610	1.14	ug/l #	25
16) Acetone	3.82	43	49953	29.00	ug/l	99
18) Methyl Acetate	4.33	43	12469	2.11	ug/l #	85
20) Methylene Chloride	4.55	84	348883	40.48	ug/l	95
25) 2-Butanone	6.84	43	5327	2.22	ug/l	97
29) Tetrahydrofuran	7.22	42	892	0.59	ug/l #	67
30) Chloroform	7.38	83	4234	0.29	ug/l #	81
31) Cyclohexane	7.66	56	11587	0.86	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47370	3.98	ug/l #	47
38) Carbon Tetrachloride	7.67	117	64380	5.00	ug/l #	16
43) Isopropyl Acetate	8.17	43	285805	27.68	ug/l #	89
48) Methyl methacrylate	9.18	41	6165	1.17	ug/l #	13
51) 4-Methyl-2-Pentanone	9.99	43	3068	0.55	ug/l #	86
56) Ethyl methacrylate	10.23	69	2027	0.23	ug/l #	63
59) 2-Hexanone	10.76	43	13818	3.69	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	199827	35.18	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	199827	121.78	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.04	105	5303	0.23	ug/l	89
95) Naphthalene	15.13	128	30956	2.96	ug/l	98

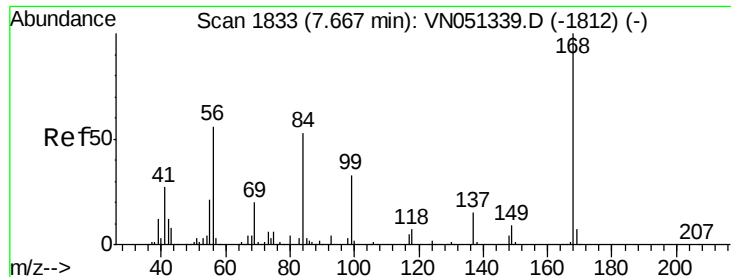
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092018\
Data File : VN051357.D
Acq On : 20 Sep 2018 22:36
Operator : MD\SY
Sample : J4778-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SA-01-091918

Quant Time: Sep 21 06:49:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 03:27:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051357.D

Acq: 20 Sep 2018 22:36

Instrument :

MSVOA_N

ClientSampleId :

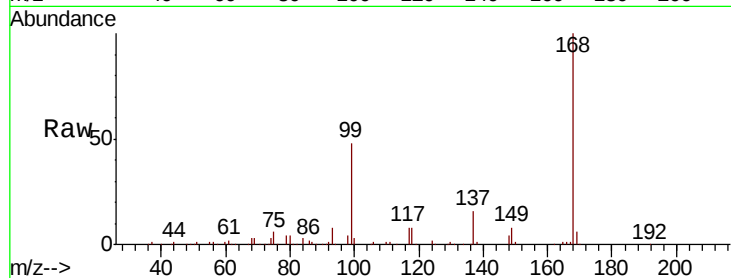
SA-01-091918

Tot Ion:168 Resp: 773611

Ion Ratio Lower Upper

168 100

99 47.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

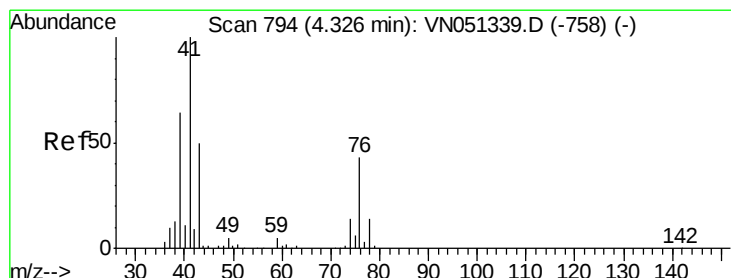
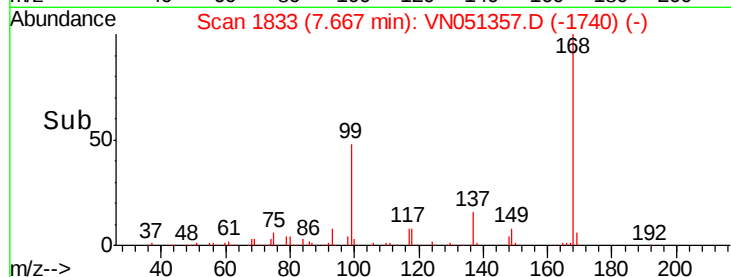
200000

100000

0

Time-->

7.60 7.70 7.80



#14

Allyl chloride

Concen: 1.14 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN051357.D

Acq: 20 Sep 2018 22:36

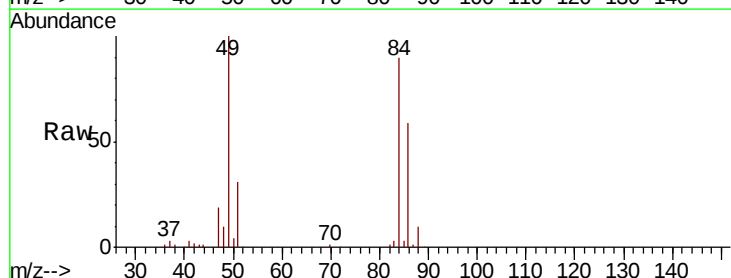
Tgt Ion: 41 Resp: 11610

Ion Ratio Lower Upper

41 100

39 0.0 50.4 75.6#

76 0.0 32.4 48.6#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.55

5000

4000

3000

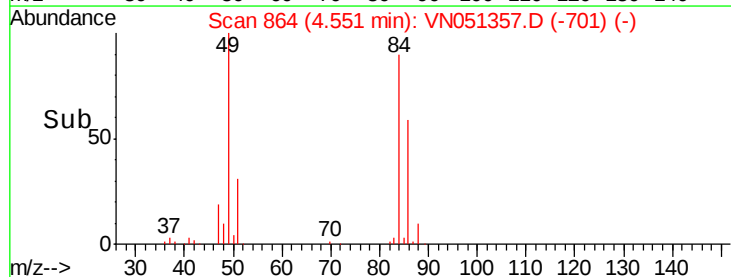
2000

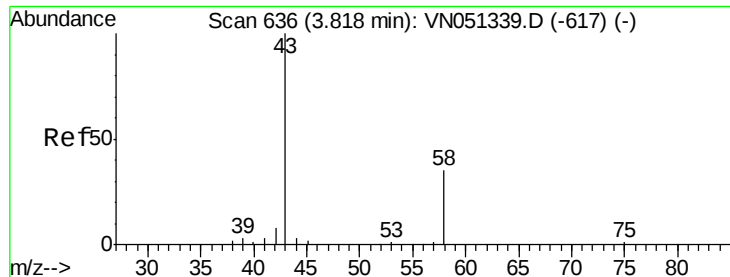
1000

0

Time-->

4.45 4.50 4.55 4.60 4.65





#16

Acetone

Concen: 29.00 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051357.D

Acq: 20 Sep 2018 22:36

Instrument :

MSVOA_N

ClientSampleId :

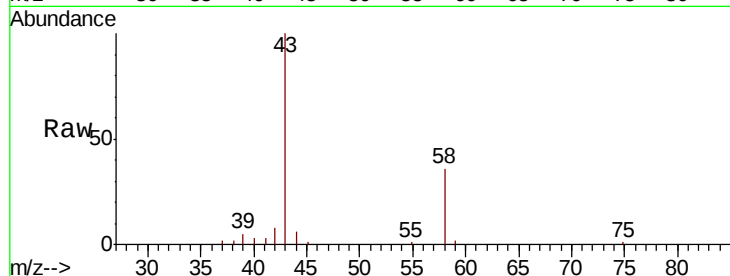
SA-01-091918

Tot Ion: 43 Resp: 49953

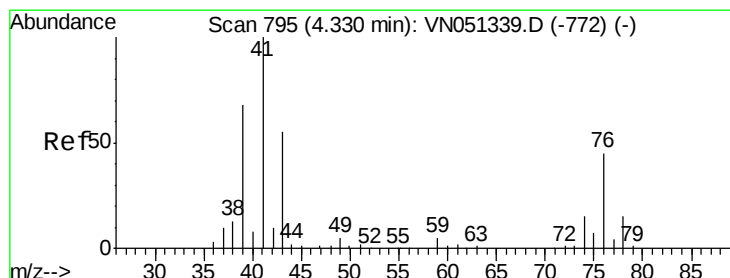
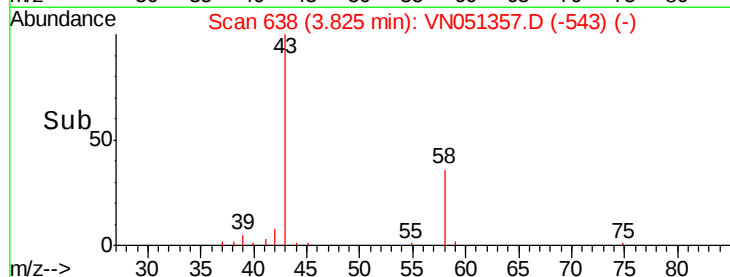
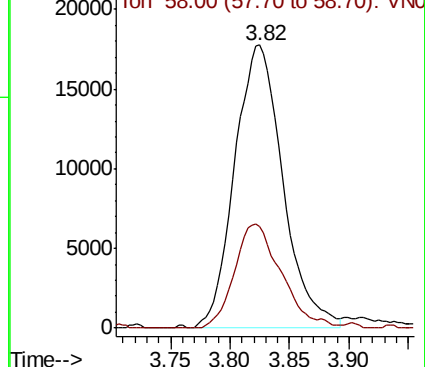
Ion Ratio Lower Upper

43 100

58 36.1 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-617) (-)



#18

Methyl Acetate

Concen: 2.11 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN051357.D

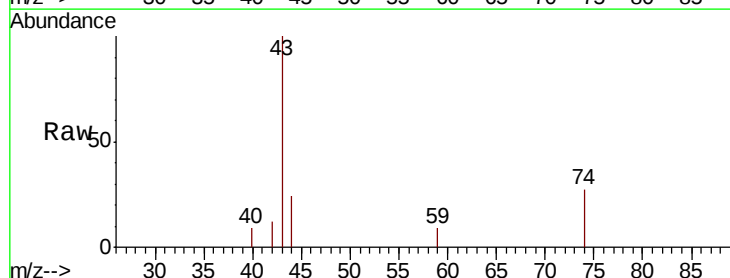
Acq: 20 Sep 2018 22:36

Tgt Ion: 43 Resp: 12469

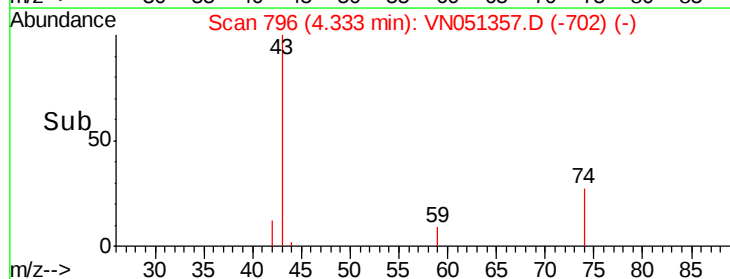
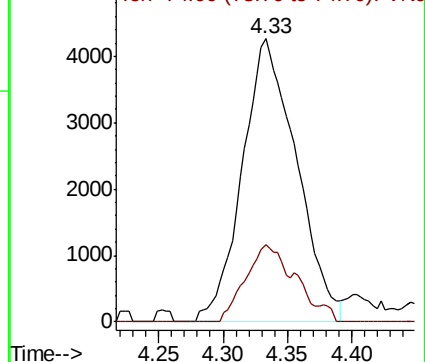
Ion Ratio Lower Upper

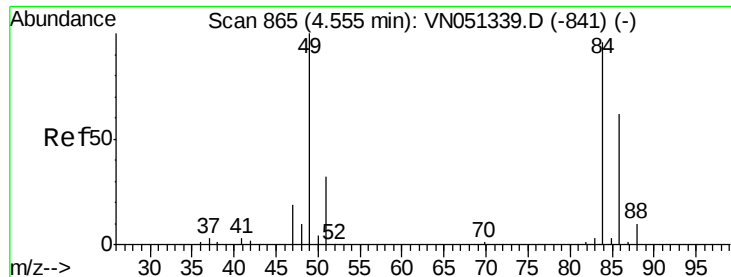
43 100

74 19.4 21.7 32.5#



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-772) (-)

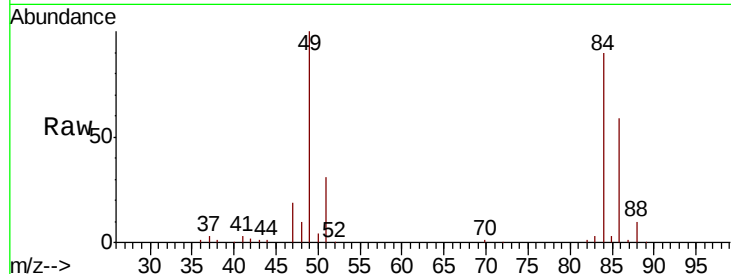




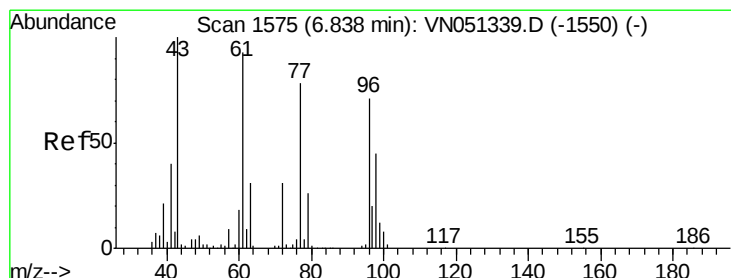
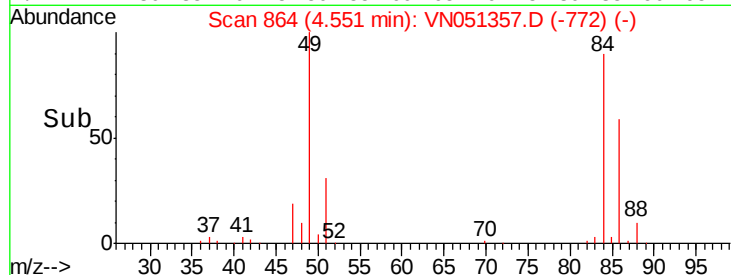
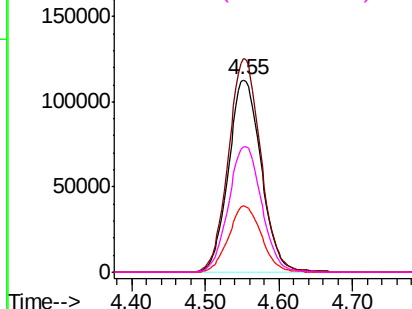
#20
Methvlene Chloride
Concen: 40.48 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051357.D
Acq: 20 Sep 2018 22:36

Instrument :
MSVOA_N
ClientSampleId :
SA-01-091918

Tot Ion: 84 Resp: 348883
Ion Ratio Lower Upper
84 100
49 111.1 83.2 124.8
51 34.8 26.4 39.6
86 65.4 51.4 77.0

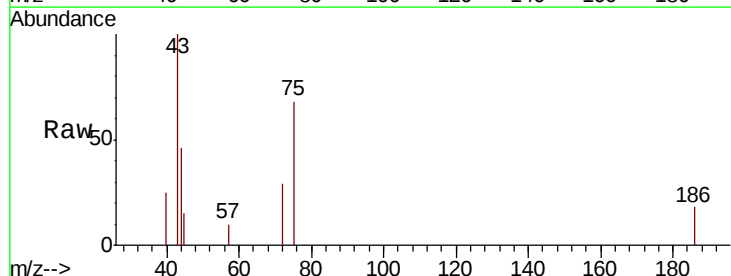


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

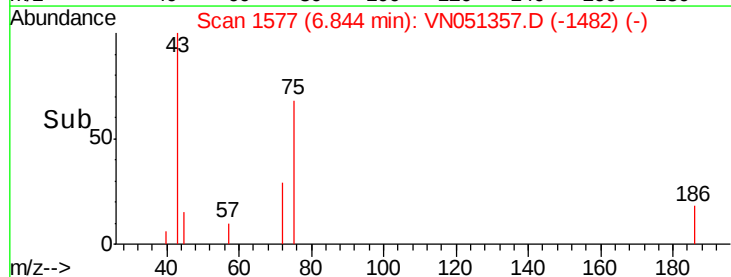
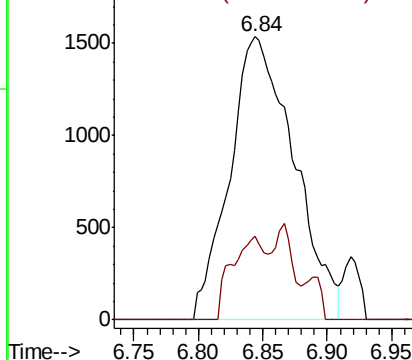


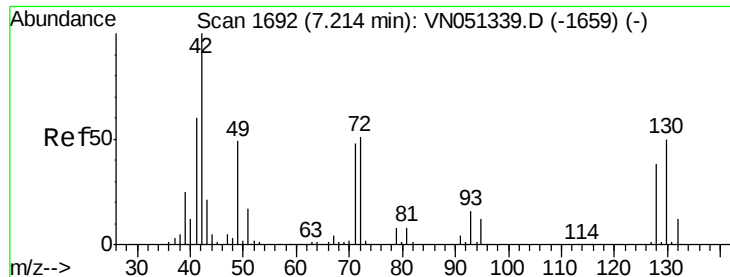
#25
2-Butanone
Concen: 2.22 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051357.D
Acq: 20 Sep 2018 22:36

Tgt Ion: 43 Resp: 5327
Ion Ratio Lower Upper
43 100
72 29.4 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: 0.59 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN051357.D

Acq: 20 Sep 2018 22:36

Instrument :

MSVOA_N

ClientSampleId :

SA-01-091918

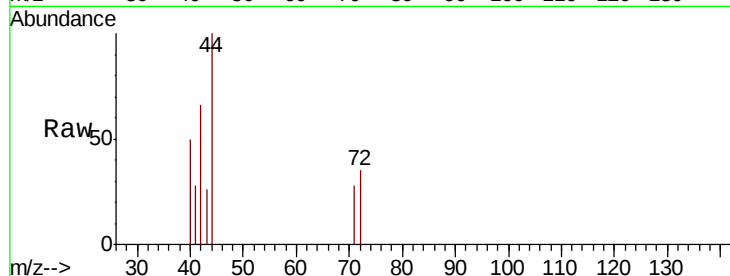
Tot Ion: 42 Resp: 892

Ion Ratio Lower Upper

42 100

72 40.8 39.0 58.4

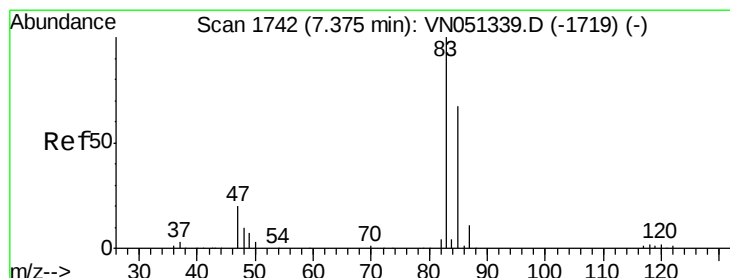
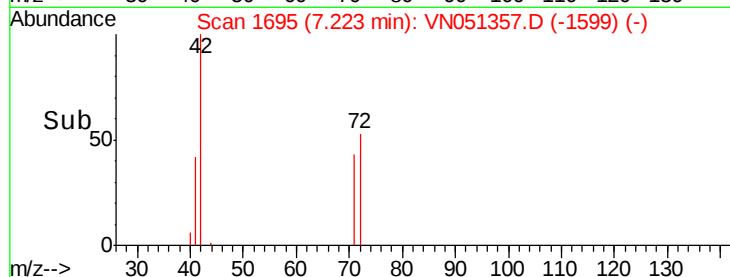
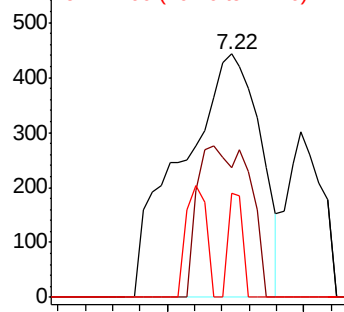
71 8.2 36.5 54.7#



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



#30

Chloroform

Concen: 0.29 ug/l

RT: 7.38 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VN051357.D

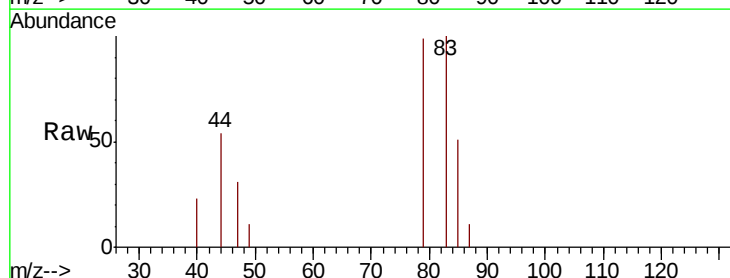
Acq: 20 Sep 2018 22:36

Tgt Ion: 83 Resp: 4234

Ion Ratio Lower Upper

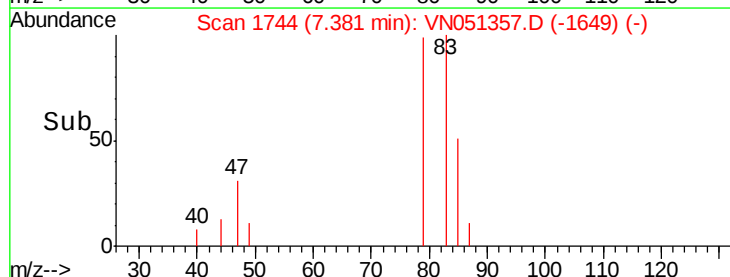
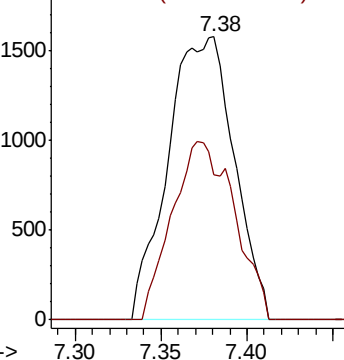
83 100

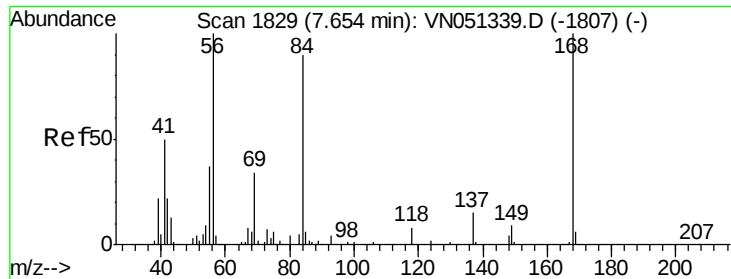
85 51.1 53.2 79.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

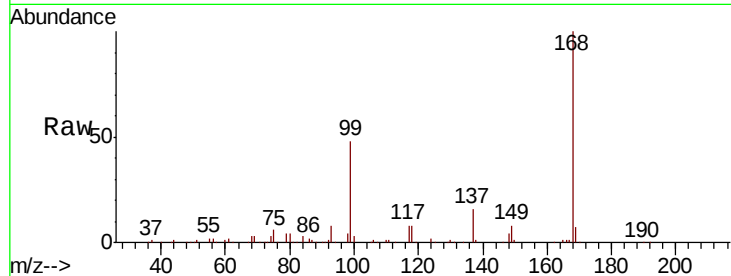




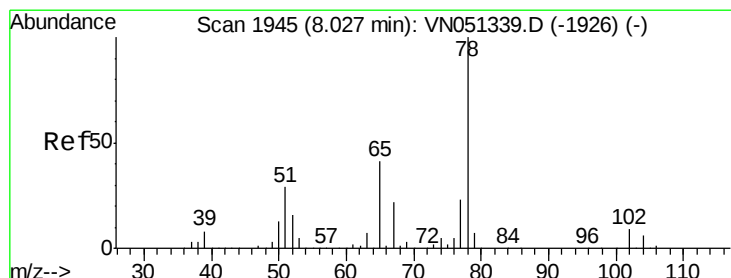
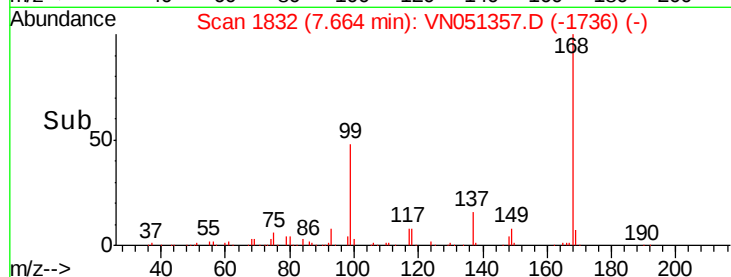
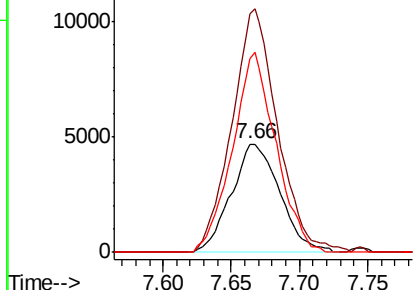
#31
Cyclohexane
Concen: 0.86 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051357.D
Acq: 20 Sep 2018 22:36

Instrument :
MSVOA_N
ClientSampled :
SA-01-091918

Tot Ion: 56 Resp: 11587
Ion Ratio Lower Upper
56 100
69 220.7 27.3 40.9#
84 179.0 72.2 108.2#

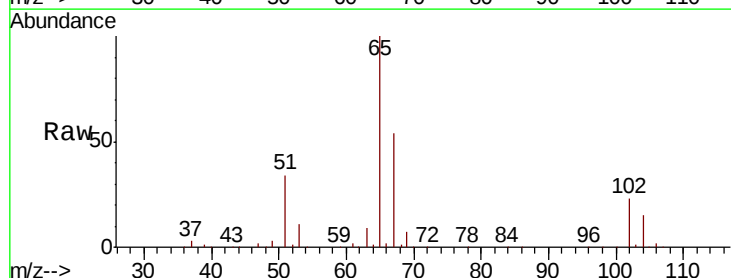


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

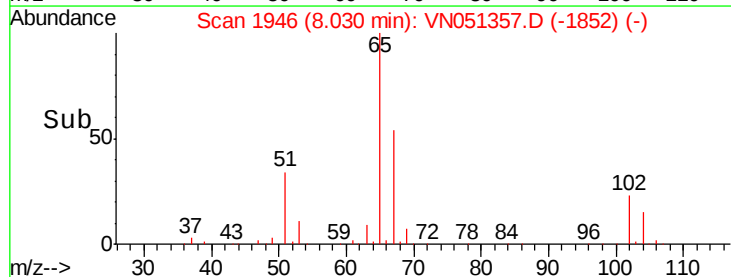
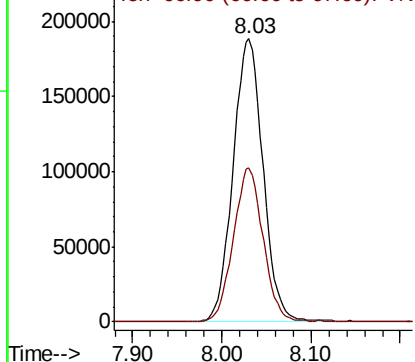


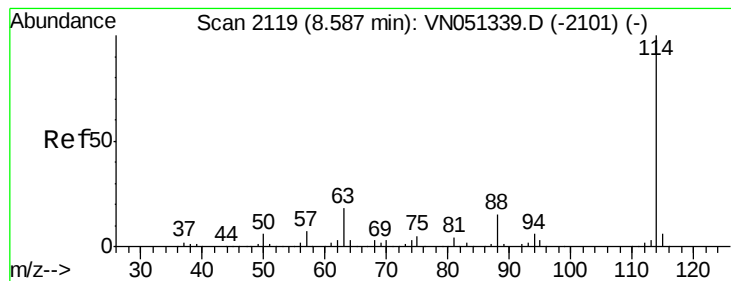
#33
1,2-Dichloroethane-d4
Concen: 52.57 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051357.D
Acq: 20 Sep 2018 22:36

Tgt Ion: 65 Resp: 440793
Ion Ratio Lower Upper
65 100
67 53.8 0.0 108.8



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051357.D

Acq: 20 Sep 2018 22:36

Instrument :

MSVOA_N

ClientSampleId :

SA-01-091918

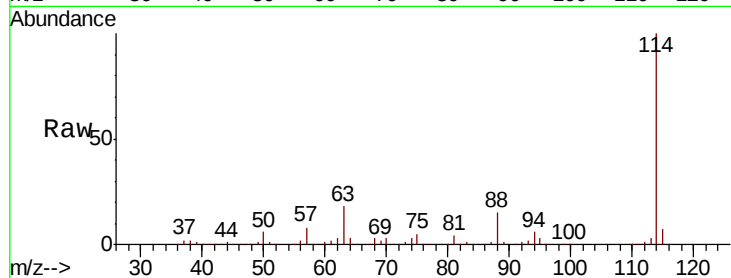
Tot Ion:114 Resp: 1164316

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.6

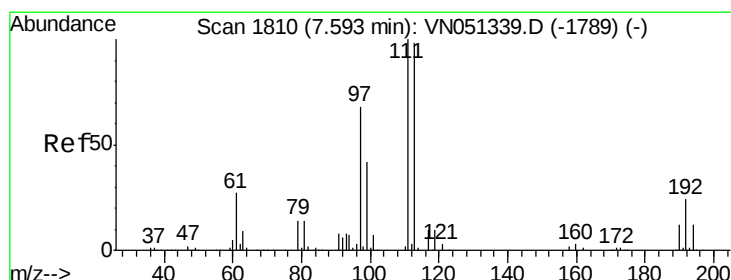
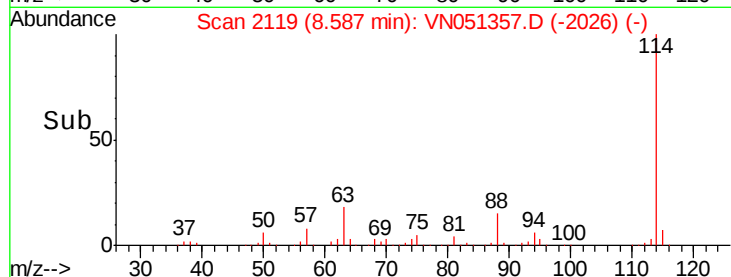
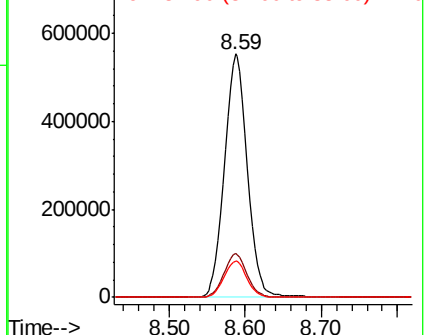
88 15.0 0.0 29.8



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: 45.90 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051357.D

Acq: 20 Sep 2018 22:36

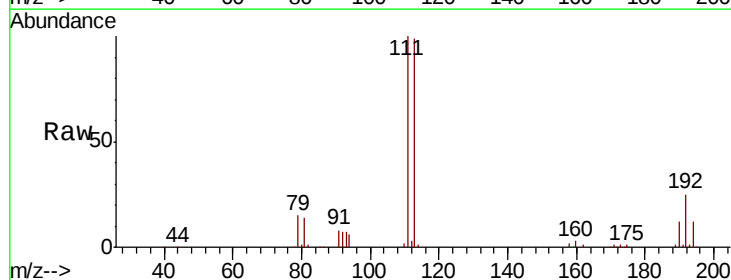
Tgt Ion:113 Resp: 431860

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

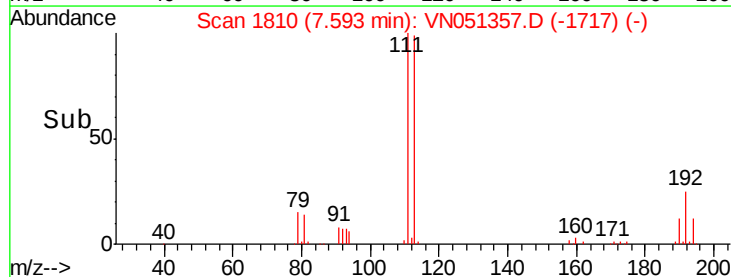
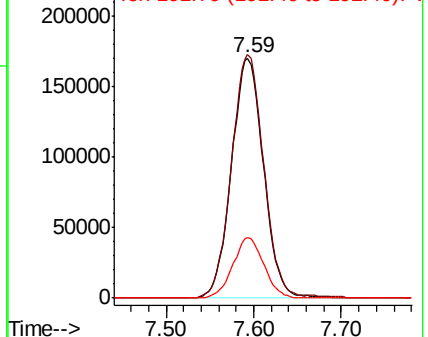
192 24.6 19.8 29.6

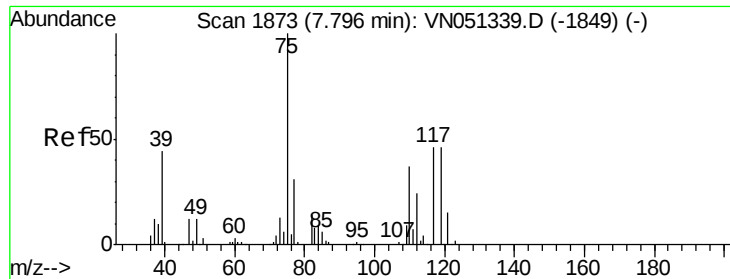


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

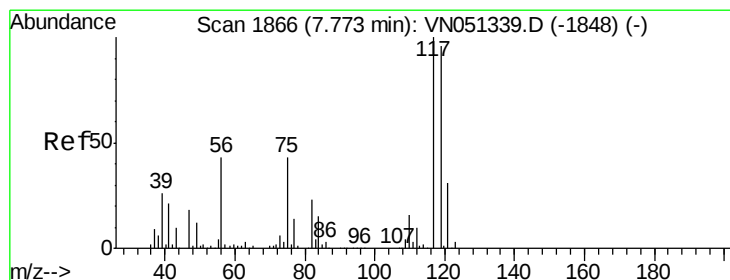
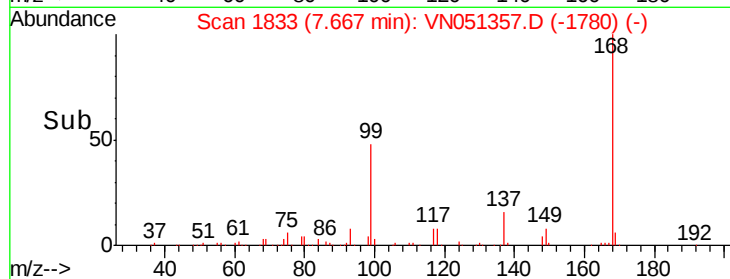
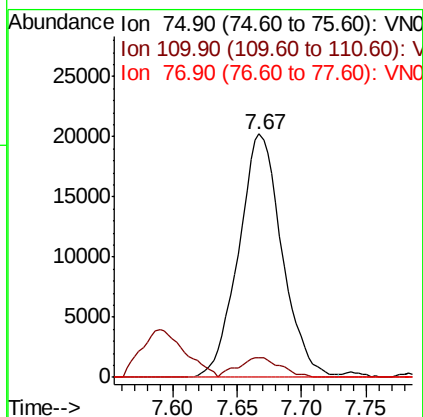
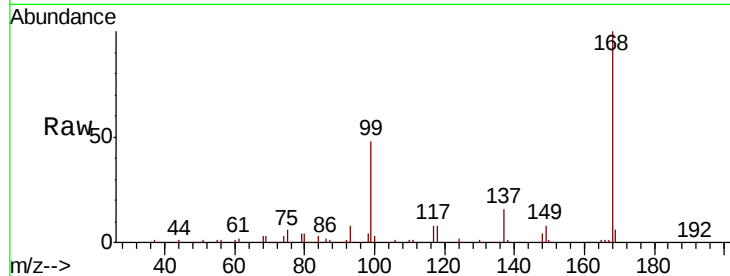




#36
 1,1-Dichloropropene
 Concen: 3.98 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051357.D
 Acq: 20 Sep 2018 22:36

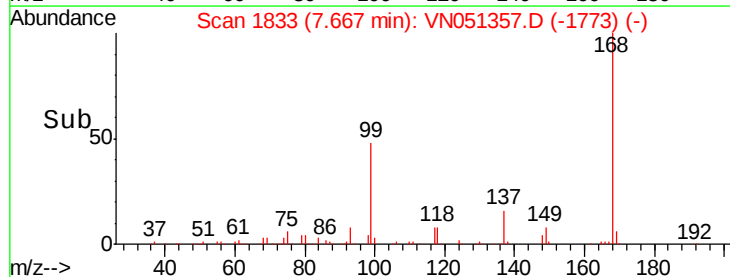
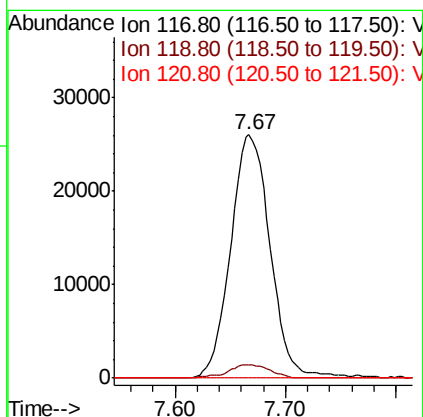
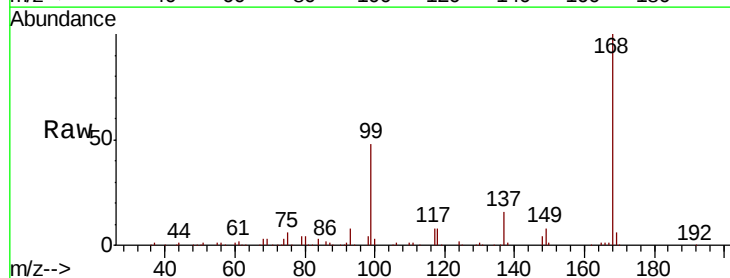
Instrument :
 MSVOA_N
 ClientSampled :
 SA-01-091918

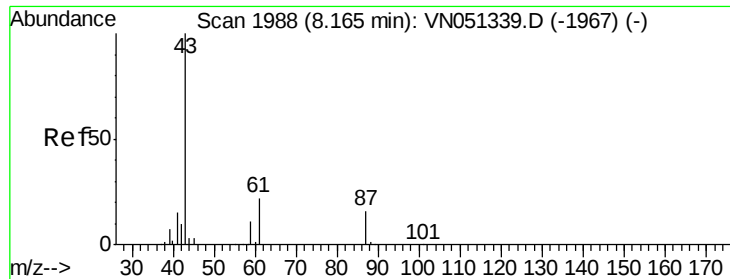
Tot Ion	75	Resp	47370
Ion Ratio	Lower	Upper	
75	100		
110	7.9	18.9	56.5#
77	0.0	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 5.00 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051357.D
 Acq: 20 Sep 2018 22:36

Tgt Ion	117	Resp	64380
Ion Ratio	Lower	Upper	
117	100		
119	5.3	77.0	115.4#
121	0.0	25.0	37.4#



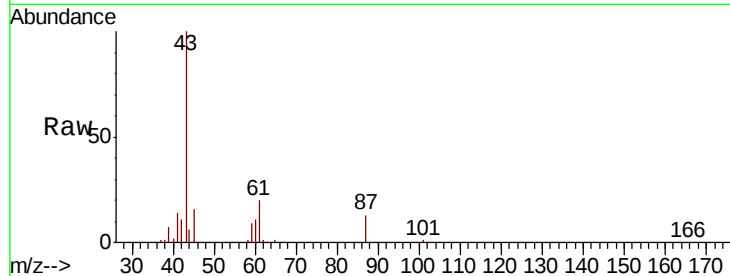


#43

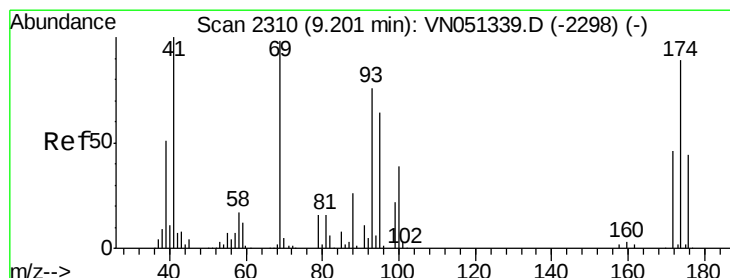
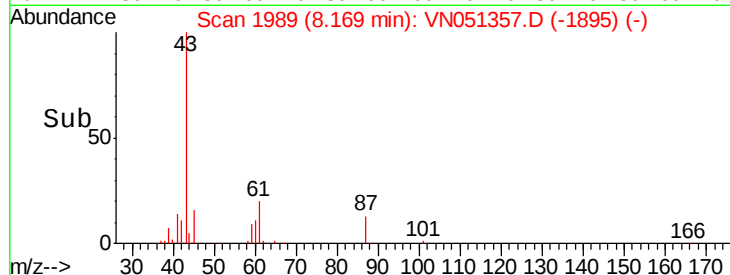
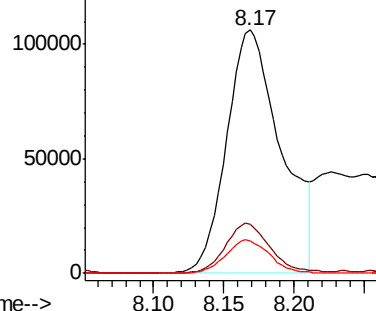
Isopropyl Acetate
 Concen: 27.68 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN051357.D
 Acq: 20 Sep 2018 22:36

Instrument :
 MSVOA_N
 ClientSampled :
 SA-01-091918

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	18.1	27.1#
87	11.2	12.8	19.2#



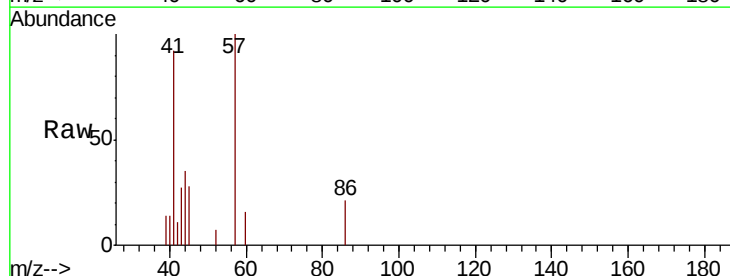
Abundance Ion 43.00 (42.70 to 43.70): VNC
 Ion 61.00 (60.70 to 61.70): VNC
 Ion 87.00 (86.70 to 87.70): VNC



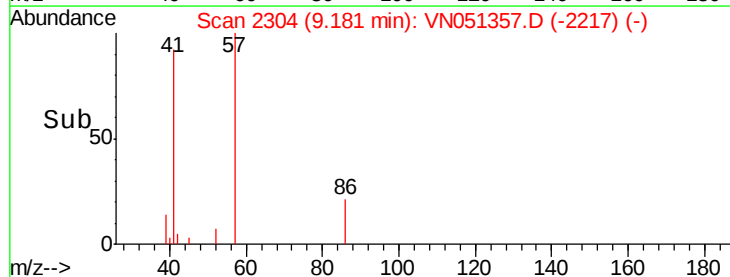
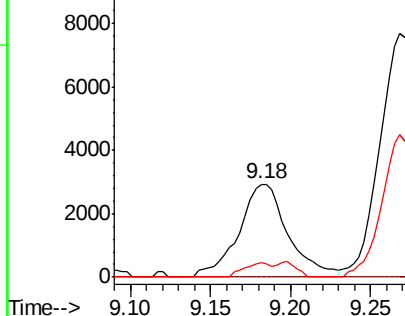
#48

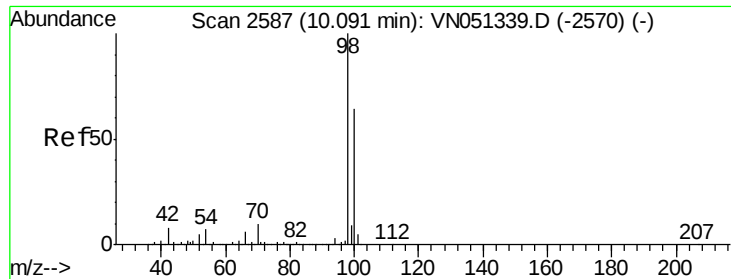
Methyl methacrylate
 Concen: 1.17 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN051357.D
 Acq: 20 Sep 2018 22:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	79.4	119.0#
39	8.2	43.0	64.6#



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





#50

Toluene-d8

Concen: 42.86 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051357.D

Acq: 20 Sep 2018 22:36

Instrument :

MSVOA_N

ClientSampleId :

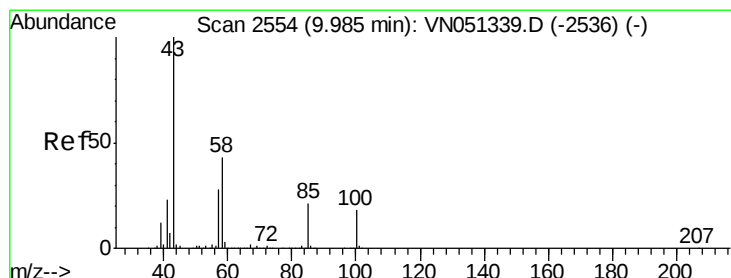
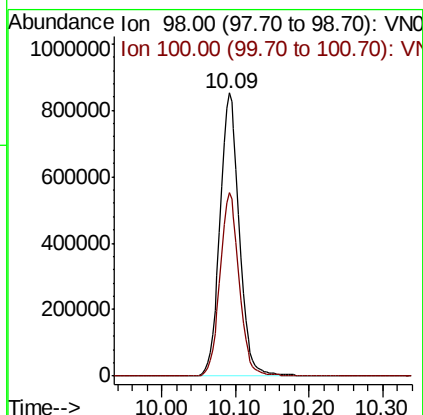
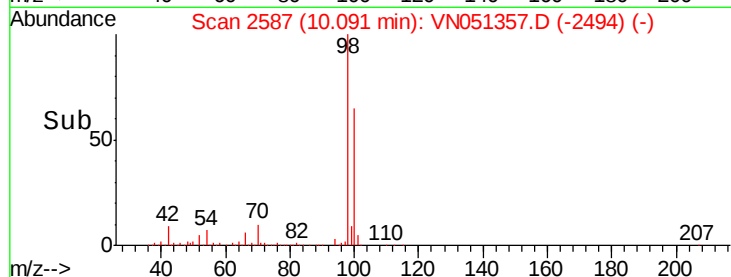
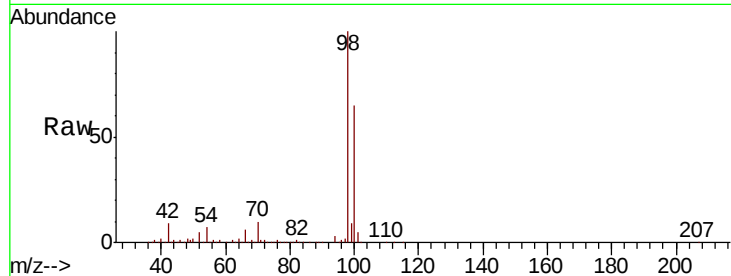
SA-01-091918

Tot Ion: 98 Resp: 1550468

Ion Ratio Lower Upper

98 100

100 64.2 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 0.55 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051357.D

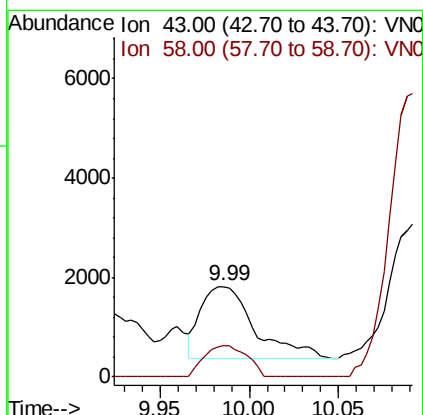
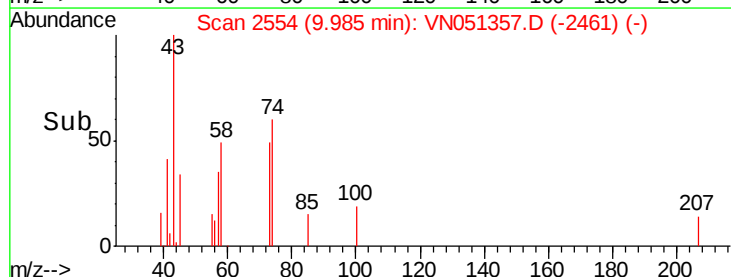
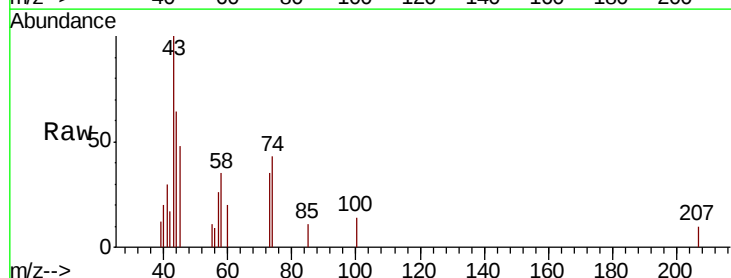
Acq: 20 Sep 2018 22:36

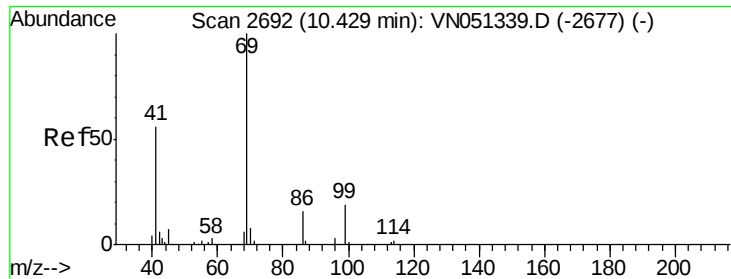
Tgt Ion: 43 Resp: 3068

Ion Ratio Lower Upper

43 100

58 34.0 34.2 51.4#





#56

Ethyl methacrylate

Concen: 0.23 ug/l

RT: 10.23 min Scan# 2629

Delta R.T. -0.20 min

Lab File: VN051357.D

Acq: 20 Sep 2018 22:36

Instrument :

MSVOA_N

ClientSampled :

SA-01-091918

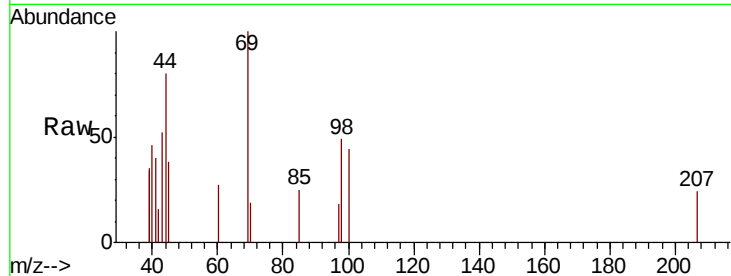
Tot Ion: 69 Resp: 2027

Ion Ratio Lower Upper

69 100

41 23.5 45.1 67.7#

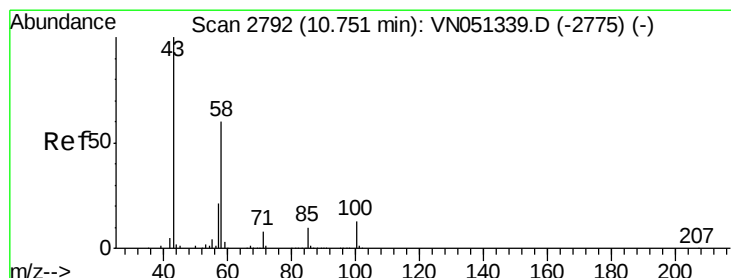
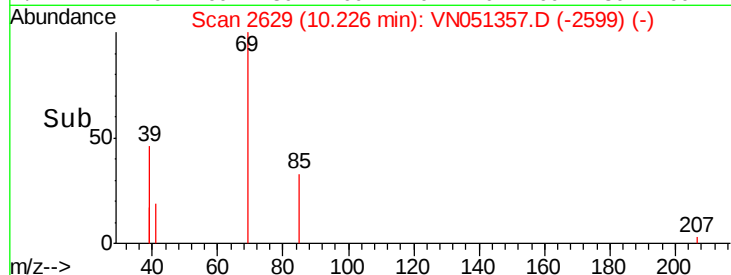
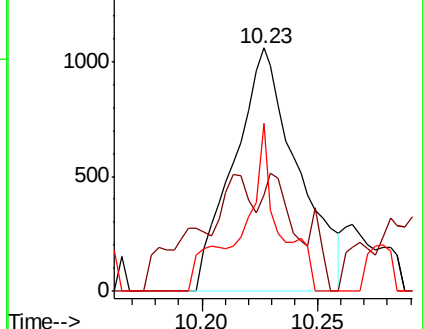
39 40.5 23.4 35.2#



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: 3.69 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN051357.D

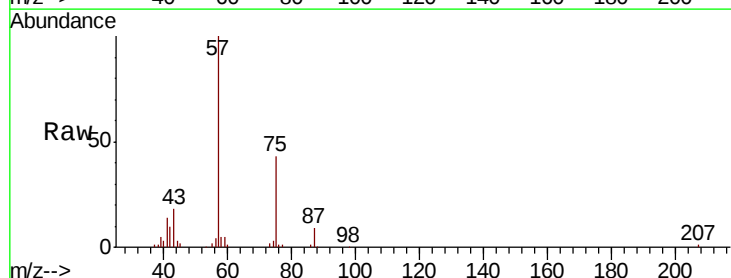
Acq: 20 Sep 2018 22:36

Tgt Ion: 43 Resp: 13818

Ion Ratio Lower Upper

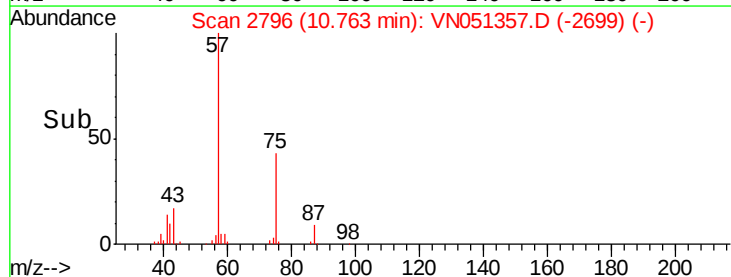
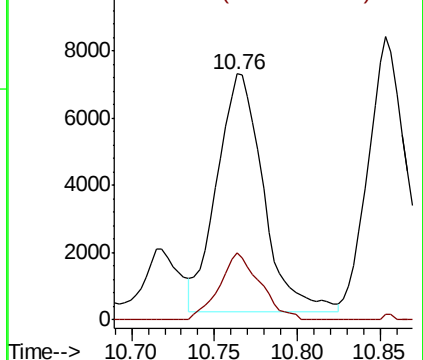
43 100

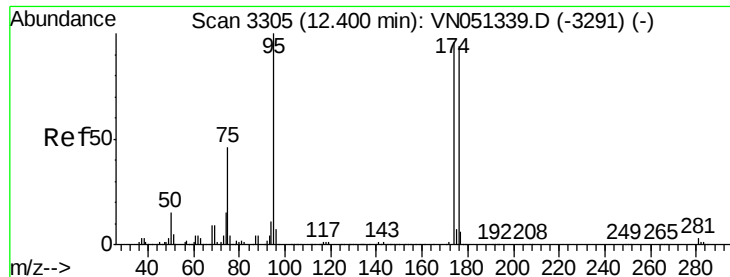
58 24.6 29.9 89.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

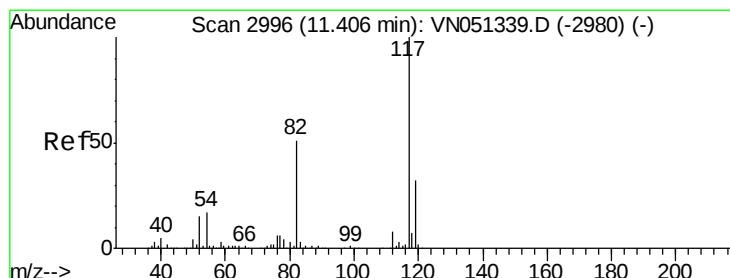
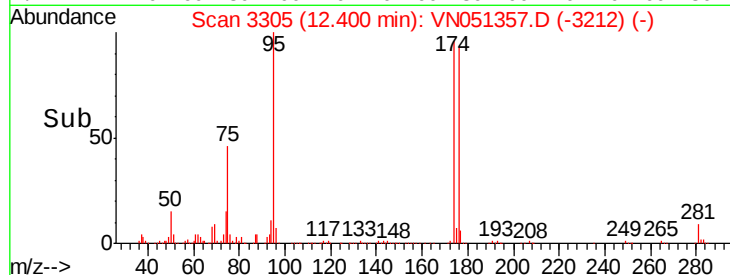
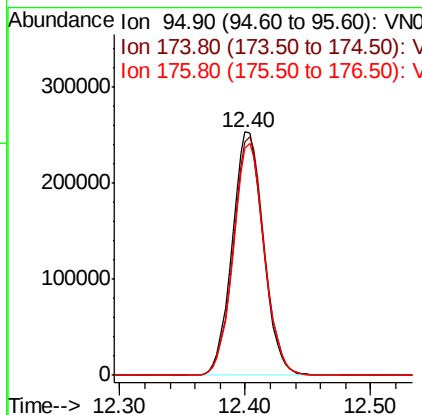
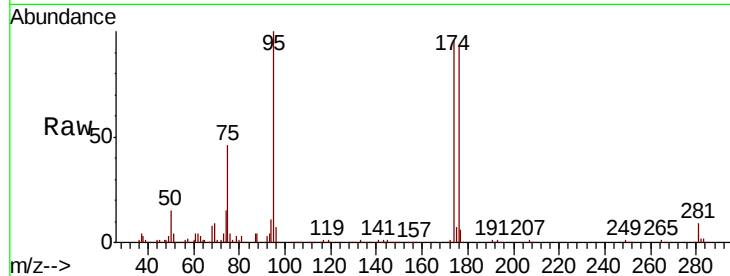




#62
4-Bromofluorobenzene
Concen: 36.83 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051357.D
Acq: 20 Sep 2018 22:36

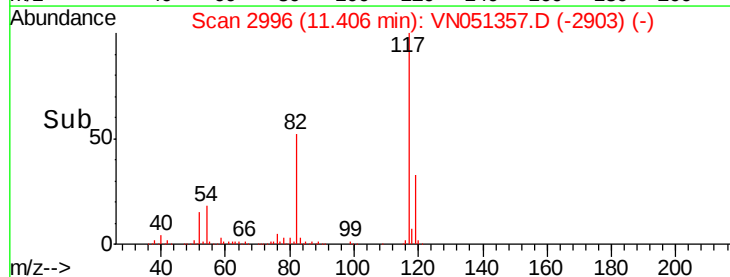
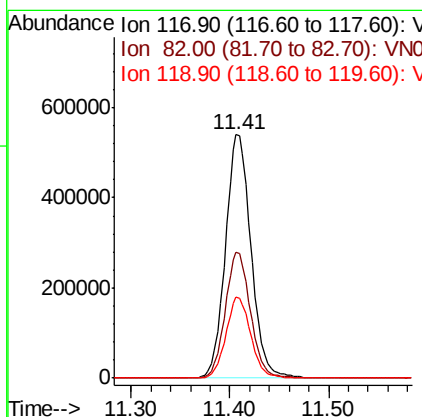
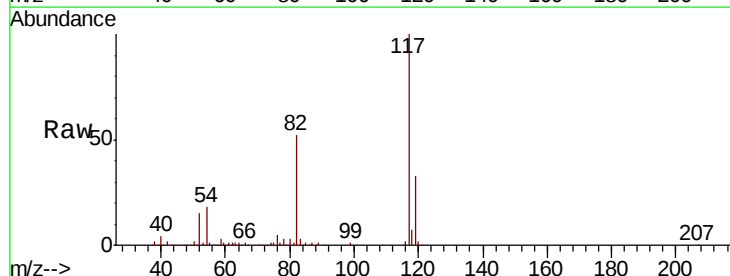
Instrument :
MSVOA_N
ClientSampleId :
SA-01-091918

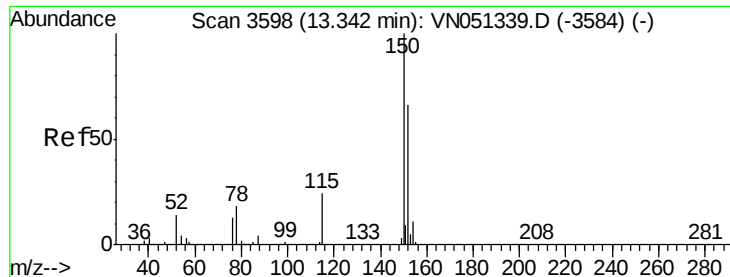
Tot Ion: 95 Resp: 433376
Ion Ratio Lower Upper
95 100
174 98.1 0.0 194.6
176 94.7 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051357.D
Acq: 20 Sep 2018 22:36

Tgt Ion: 117 Resp: 977727
Ion Ratio Lower Upper
117 100
82 51.7 40.7 61.1
119 33.1 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051357.D

Acq: 20 Sep 2018 22:36

Instrument :

MSVOA_N

ClientSampleId :

SA-01-091918

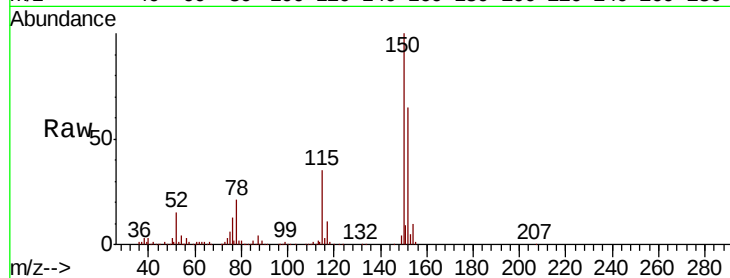
Tot Ion:152 Resp: 393386

Ion Ratio Lower Upper

152 100

115 55.0 26.9 80.7

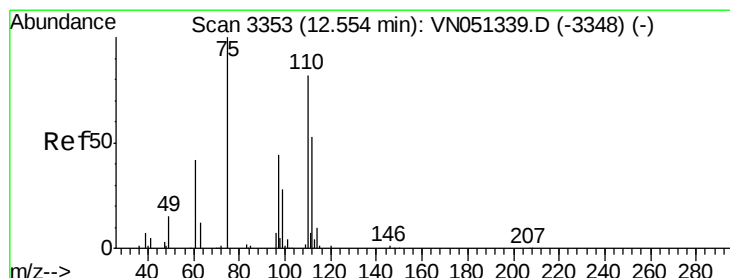
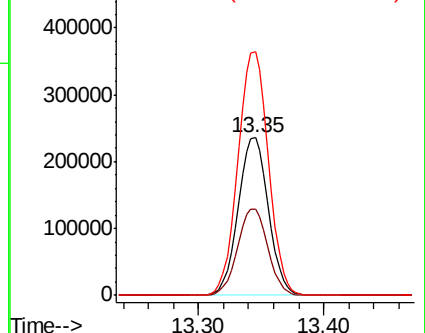
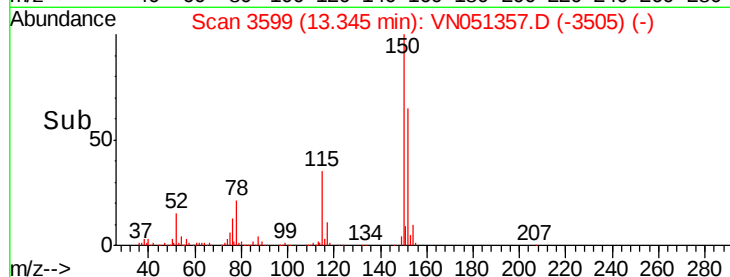
150 156.0 0.0 345.0



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



#76

1,2,3-Trichloropropane

Concen: 35.18 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051357.D

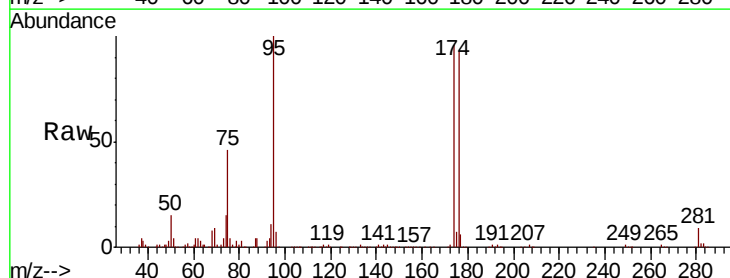
Acq: 20 Sep 2018 22:36

Tgt Ion: 75 Resp: 199827

Ion Ratio Lower Upper

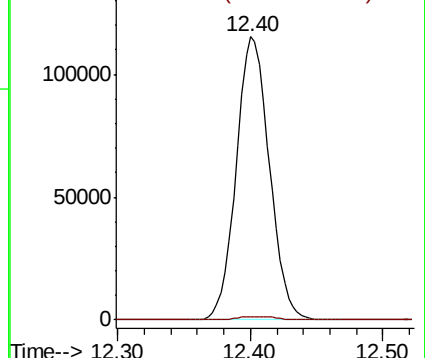
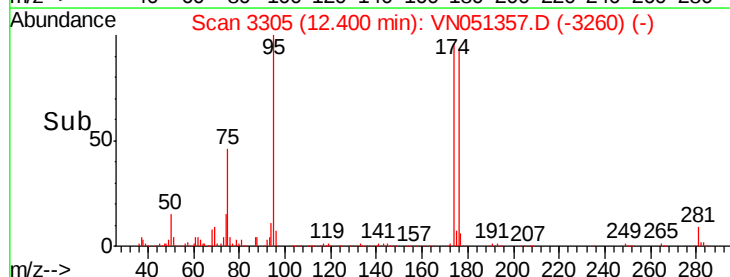
75 100

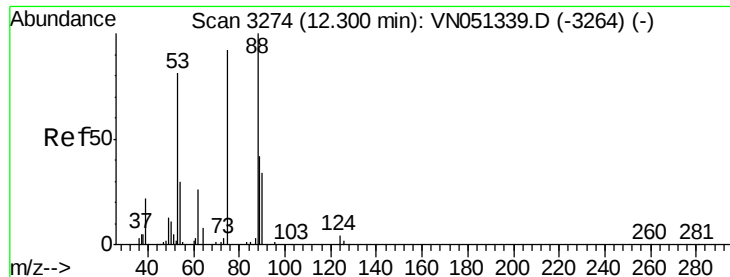
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 121.78 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051357.D

Acq: 20 Sep 2018 22:36

Instrument :

MSVOA_N

ClientSampleId :

SA-01-091918

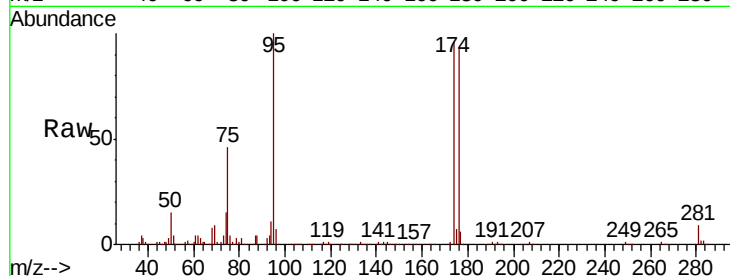
Tot Ion: 75 Resp: 199827

Ion Ratio Lower Upper

75 100

53 0.2 69.9 104.9#

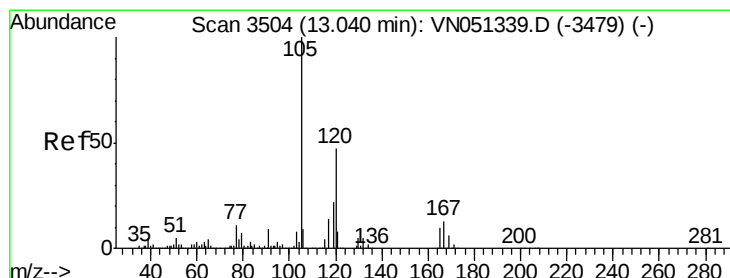
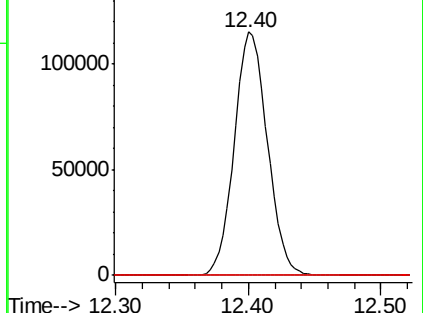
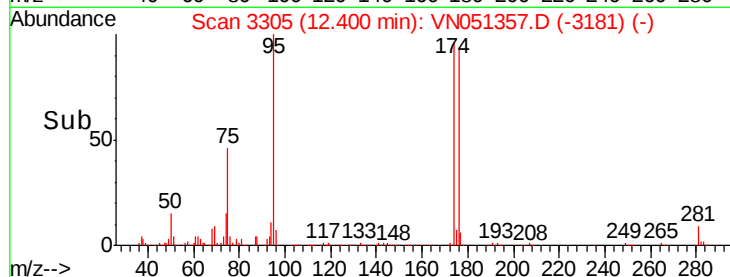
89 0.0 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VN051339.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN051339.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN051339.D (-3264) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.23 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN051357.D

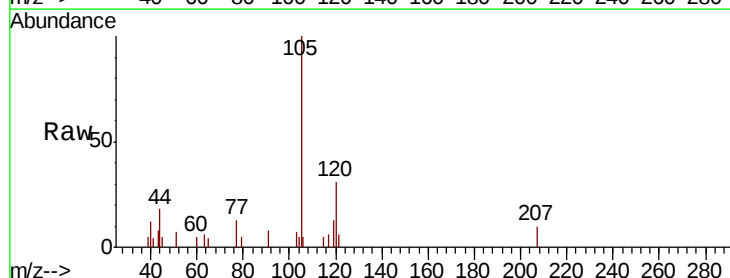
Acq: 20 Sep 2018 22:36

Tgt Ion: 105 Resp: 5303

Ion Ratio Lower Upper

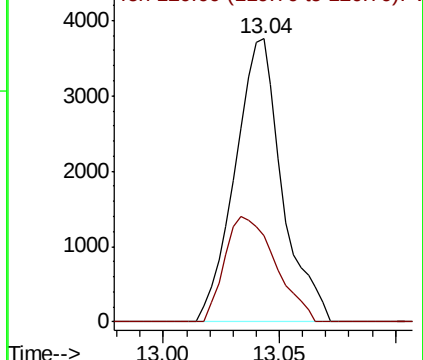
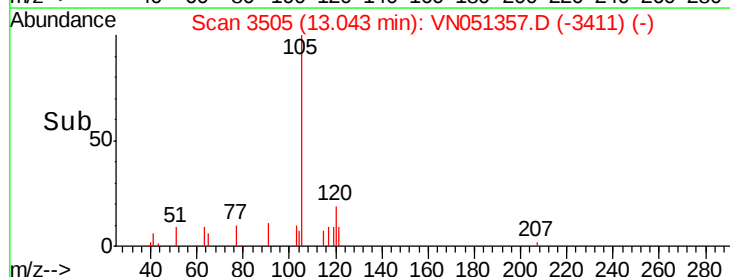
105 100

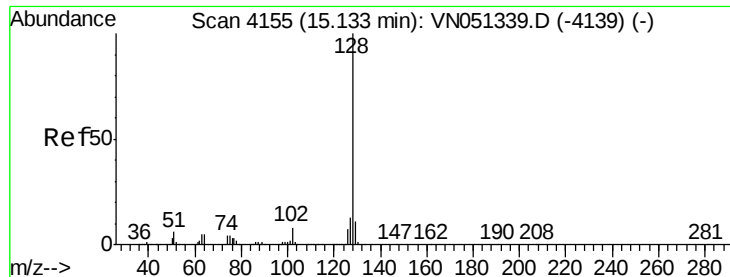
120 40.1 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN051339.D (-3479) (-)

Ion 120.00 (119.70 to 120.70): VN051339.D (-3479) (-)





#95

Naphthalene

Concen: 2.96 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051357.D

Acq: 20 Sep 2018 22:36

Instrument :

MSVOA_N

ClientSampleId :

SA-01-091918

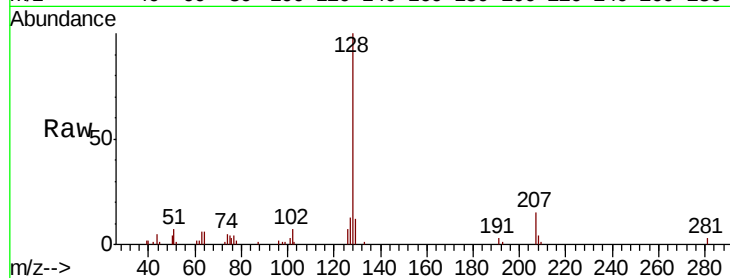
Tot Ion:128 Resp: 30956

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 11.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

