

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051466.D
 Acq On : 24 Sep 2018 17:11
 Operator : MD\SY
 Sample : J5061-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230-KV-A

Quant Time: Sep 25 02:00:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	620918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	940364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	758610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	260505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	425545	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
35) Dibromofluoromethane	7.59	113	328637	43.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.40%	
50) Toluene-d8	10.09	98	1311604	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
62) 4-Bromofluorobenzene	12.40	95	335186	36.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.18%	

Target Compounds

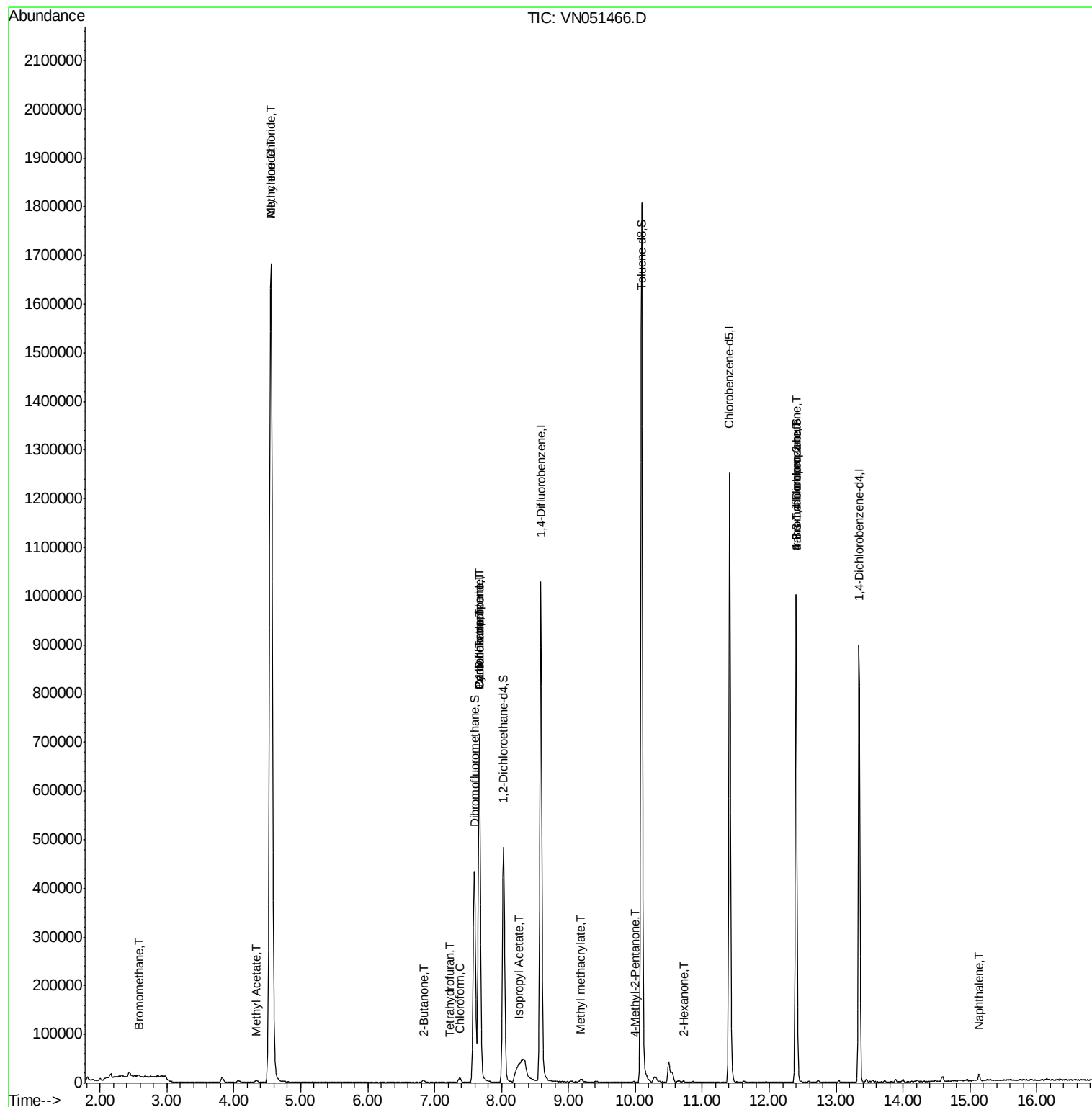
					Qvalue	
5) Bromomethane	2.57	94	1366	0.283	ug/l	91
8) Diethyl Ether	3.41	74	108	Below Cal	#	1
14) Allyl chloride	4.55	41	49788	4.295	ug/l #	26
16) Acetone	3.82	43	17502	Below Cal		96
18) Methyl Acetate	4.34	43	9392	1.585	ug/l #	74
20) Methylene Chloride	4.55	84	1287898	167.329	ug/l	99
25) 2-Butanone	6.84	43	3821	1.435	ug/l #	82
29) Tetrahydrofuran	7.23	42	697	0.413	ug/l #	41
30) Chloroform	7.38	83	11247	0.849	ug/l	98
31) Cyclohexane	7.67	56	11138	0.909	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42656	3.917	ug/l #	50
38) Carbon Tetrachloride	7.67	117	55994	4.916	ug/l #	16
43) Isopropyl Acetate	8.26	43	43785	3.867	ug/l #	60
48) Methyl methacrylate	9.18	41	5425	0.961	ug/l #	17
51) 4-Methyl-2-Pentanone	10.00	43	1507	0.242	ug/l #	36
59) 2-Hexanone	10.72	43	2187	0.542	ug/l #	24
76) 1,2,3-Trichloropropane	12.40	75	164321	37.997	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	164321	116.839	ug/l #	13
95) Naphthalene	15.13	128	12115	9.094	ug/l	98

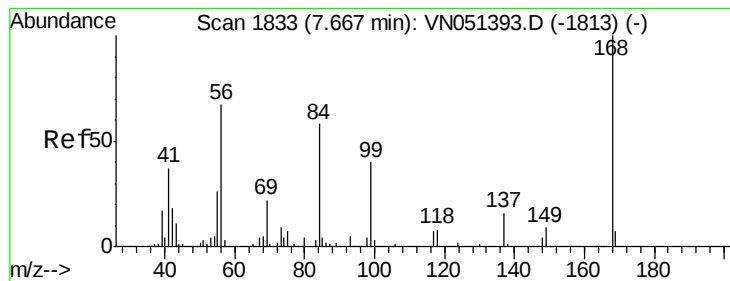
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051466.D

Acq: 24 Sep 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

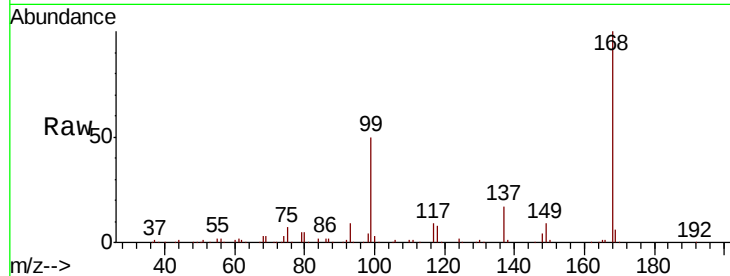
230-KV-A

Tot Ion:168 Resp: 620918

Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

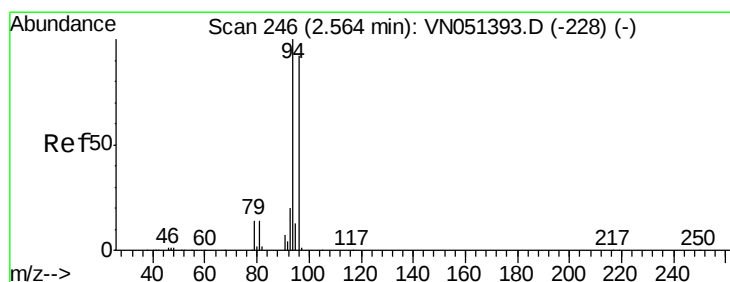
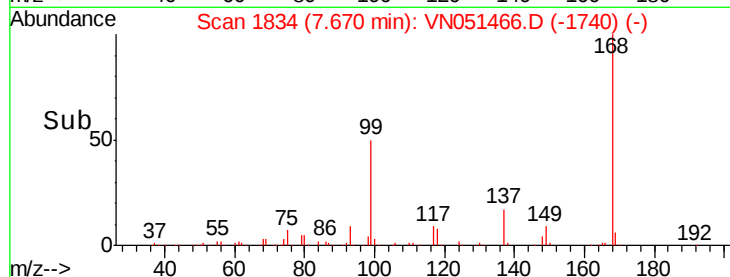
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.283 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051466.D

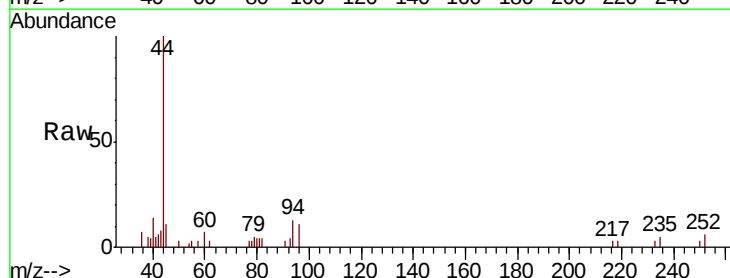
Acq: 24 Sep 2018 17:11

Tgt Ion: 94 Resp: 1366

Ion Ratio Lower Upper

94 100

96 83.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.57

800

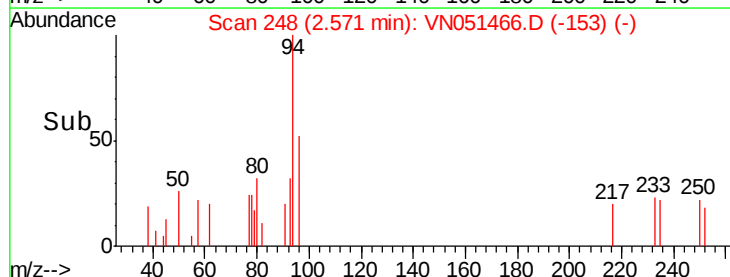
600

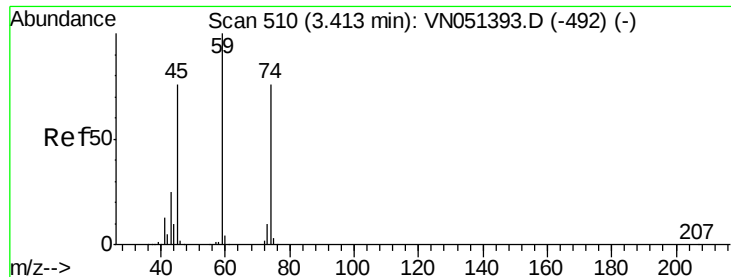
400

200

0

Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN051466.D

Acq: 24 Sep 2018 17:11

Instrument :

MSVOA_N

ClientSampled :

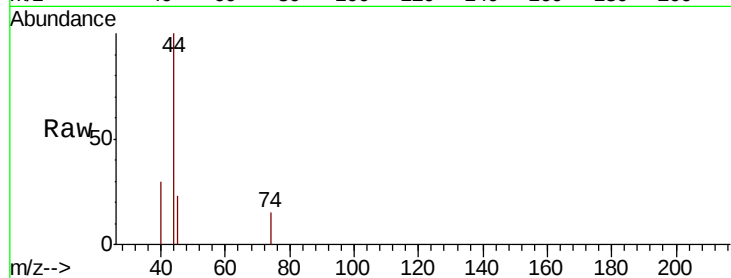
230-KV-A

Tot Ion: 74 Resp: 108

Ion Ratio Lower Upper

74 100

45 433.3 50.2 150.7#



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

400

300

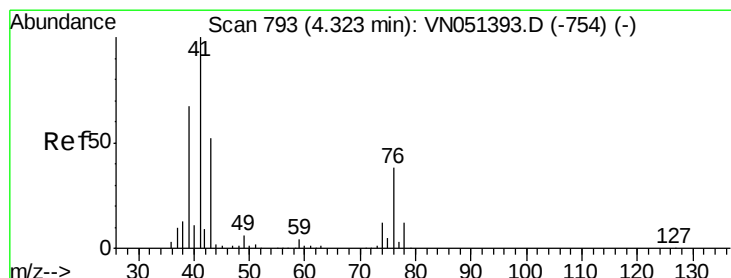
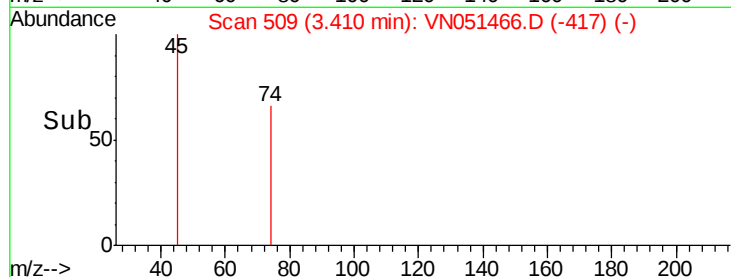
200

100

0

3.40 3.41 3.42

Time-->



#14

Allyl chloride

Concen: 4.295 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN051466.D

Acq: 24 Sep 2018 17:11

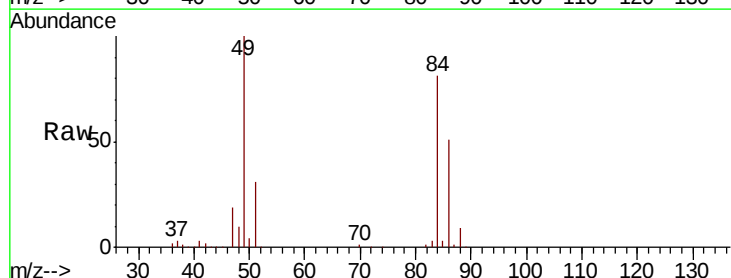
Tgt Ion: 41 Resp: 49788

Ion Ratio Lower Upper

41 100

39 0.5 51.4 77.2#

76 0.0 28.1 42.1#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

20000

15000

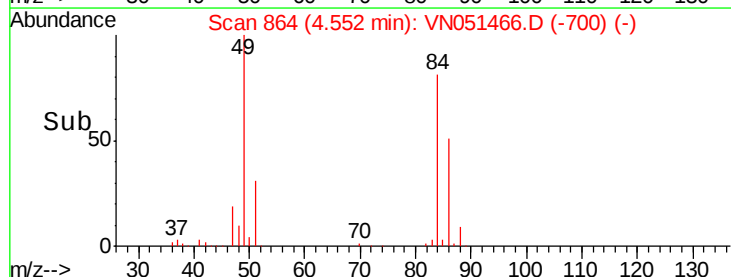
10000

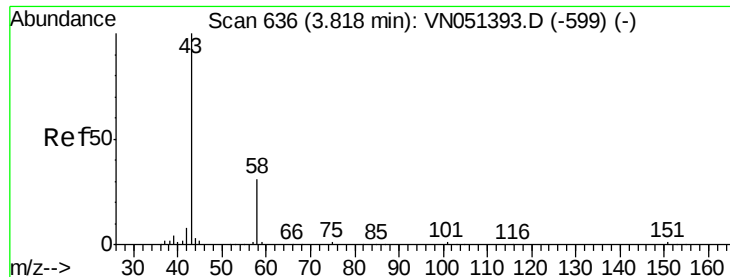
5000

0

4.45 4.50 4.55 4.60 4.65

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051466.D

Acq: 24 Sep 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

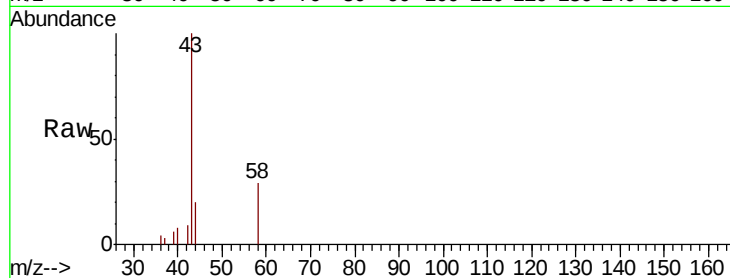
230-KV-A

Tot Ion: 43 Resp: 17502

Ion Ratio Lower Upper

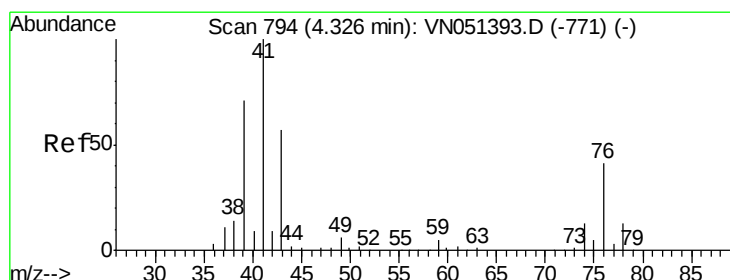
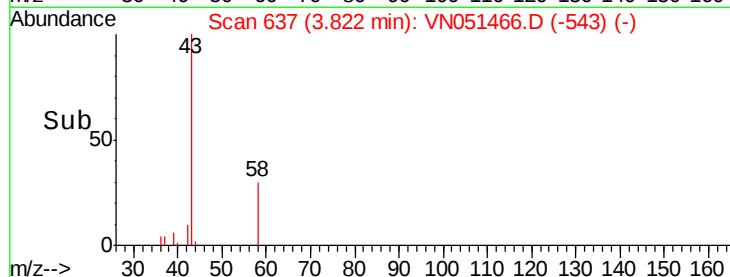
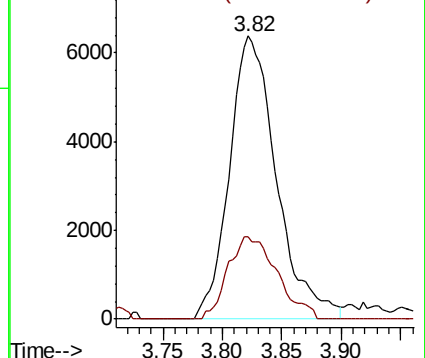
43 100

58 29.0 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-599) (-)



#18

Methyl Acetate

Concen: 1.585 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN051466.D

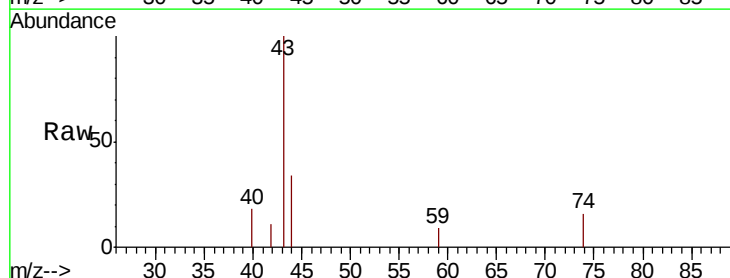
Acq: 24 Sep 2018 17:11

Tgt Ion: 43 Resp: 9392

Ion Ratio Lower Upper

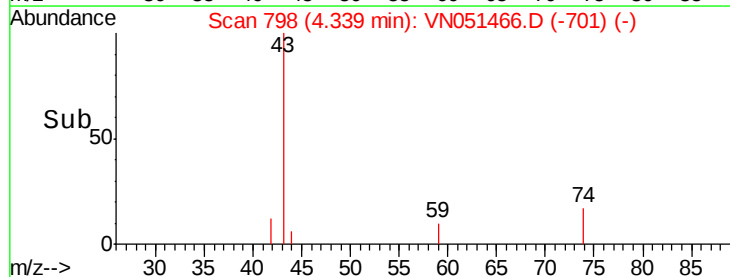
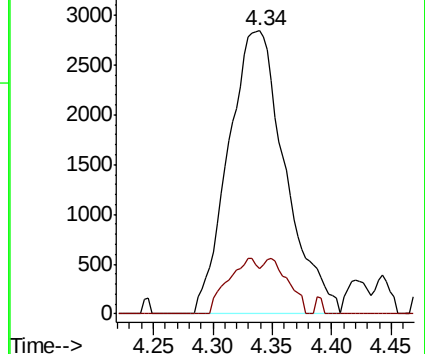
43 100

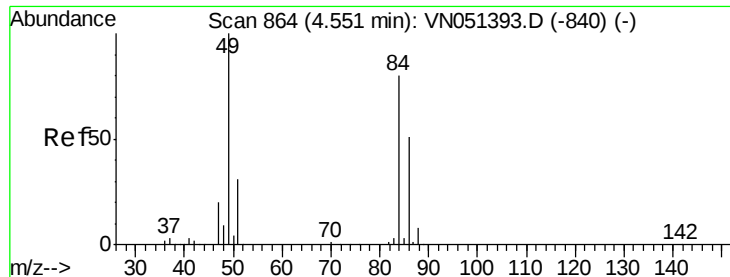
74 10.6 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN051393.D (-771) (-)



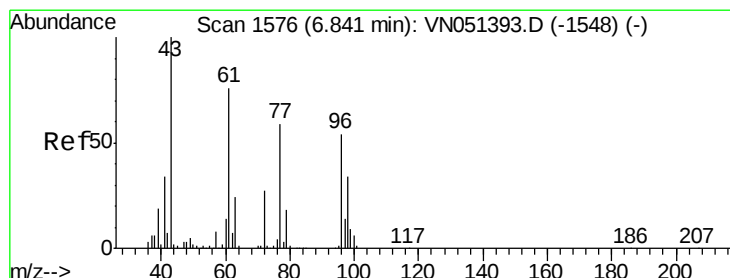
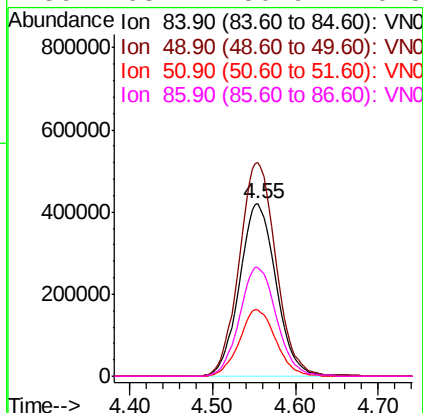
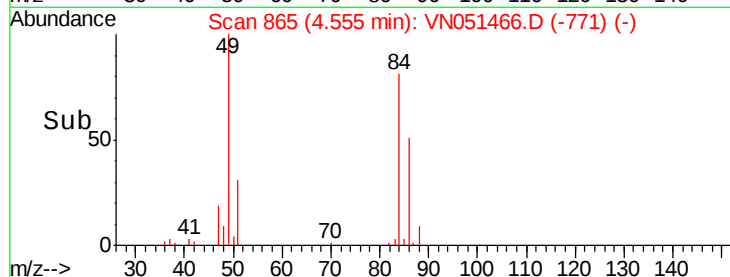
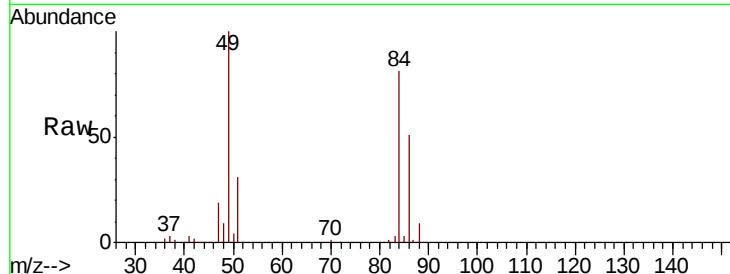


#20
Methvlene Chloride
Concen: 167.329 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051466.D
Acq: 24 Sep 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
230-KV-A

Tot Ion: 84 Resp: 1287898

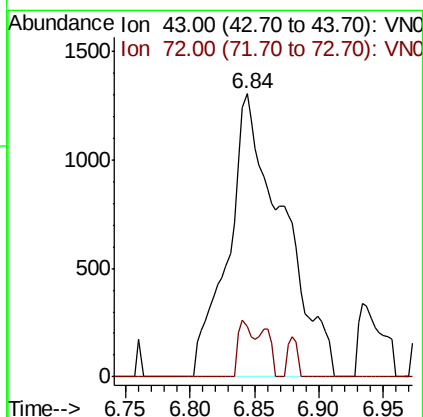
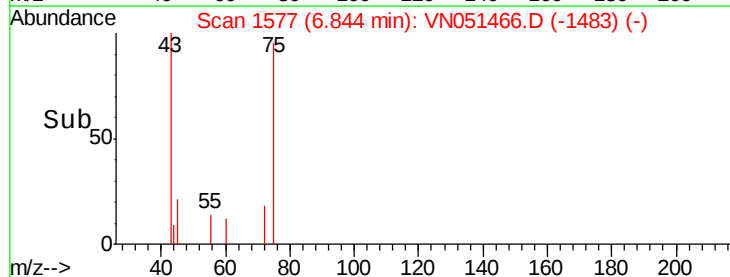
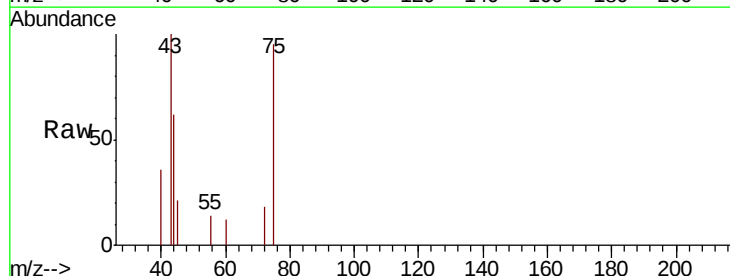
Ion	Ratio	Lower	Upper
84	100		
49	123.8	99.9	149.9
51	38.3	31.4	47.2
86	63.4	50.9	76.3

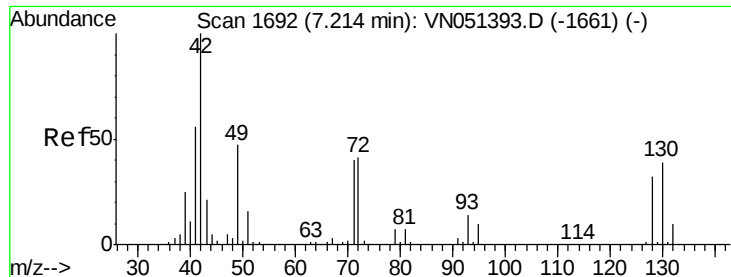


#25
2-Butanone
Concen: 1.435 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051466.D
Acq: 24 Sep 2018 17:11

Tgt Ion: 43 Resp: 3821

Ion	Ratio	Lower	Upper
43	100		
72	18.0	21.8	32.6#

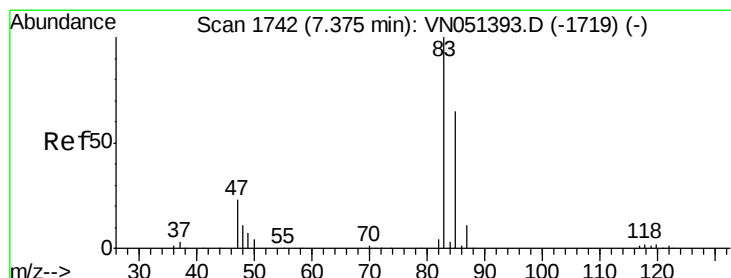
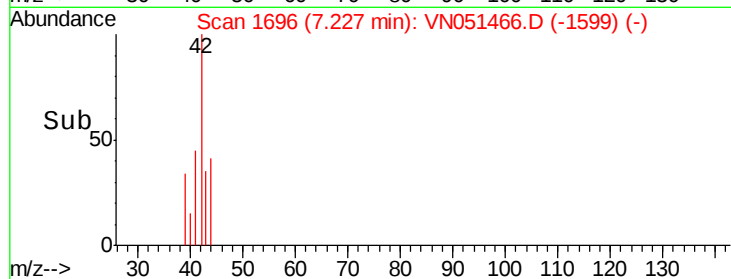
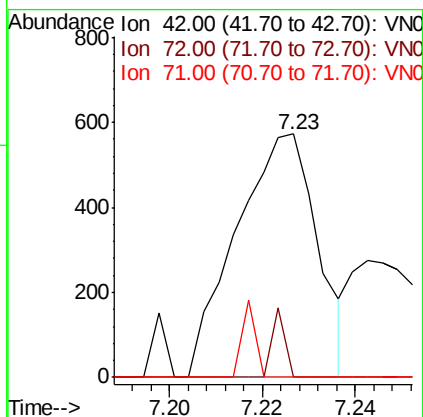
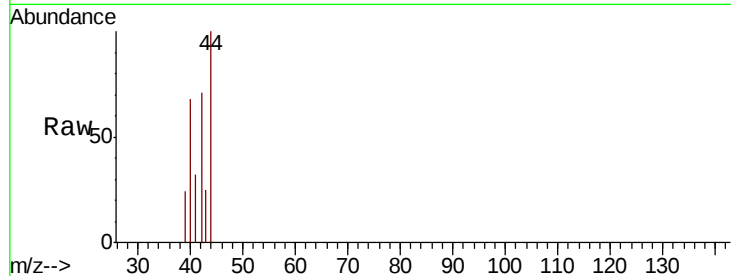




#29
Tetrahydrofuran
Concen: 0.413 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN051466.D
Acq: 24 Sep 2018 17:11

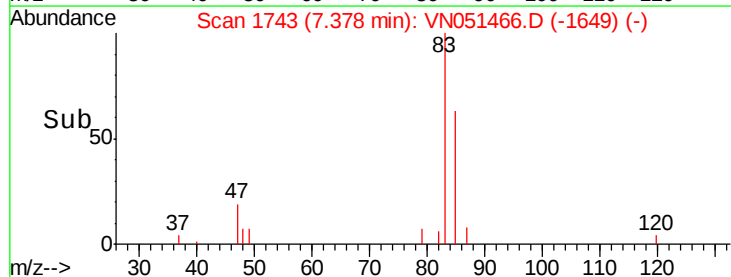
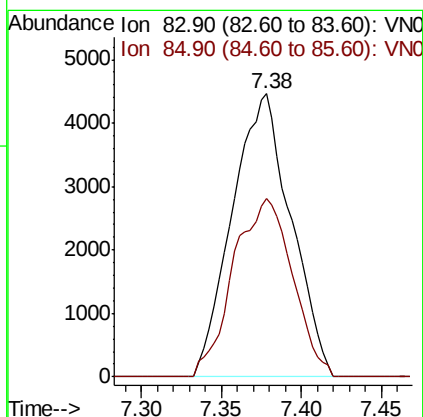
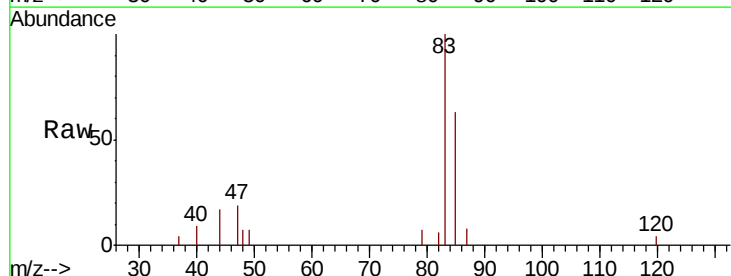
Instrument :
MSVOA_N
ClientSampleId :
230-KV-A

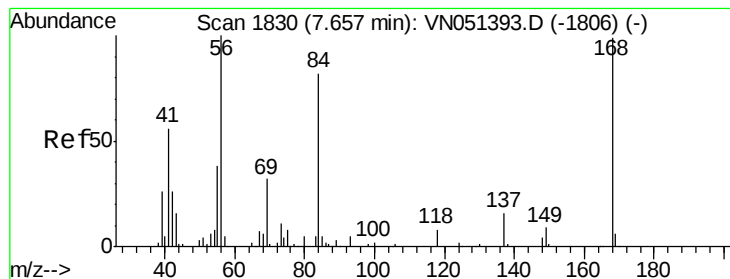
Tot Ion: 42 Resp: 697
Ion Ratio Lower Upper
42 100
72 4.4 34.3 51.5#
71 5.0 32.2 48.4#



#30
Chloroform
Concen: 0.849 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN051466.D
Acq: 24 Sep 2018 17:11

Tgt Ion: 83 Resp: 11247
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.6





#31

Cyclohexane

Concen: 0.909 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051466.D

Acq: 24 Sep 2018 17:11

Instrument :

MSVOA_N

ClientSampled :

230-KV-A

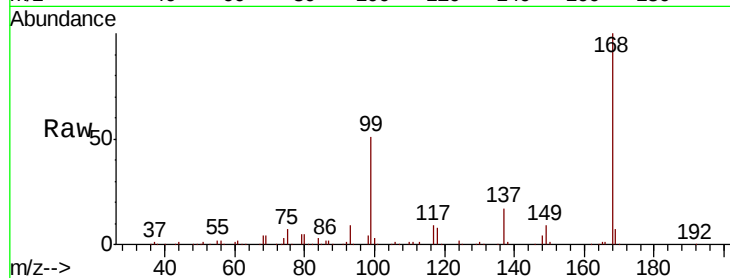
Tot Ion: 56 Resp: 11138

Ion Ratio Lower Upper

56 100

69 196.7 25.8 38.6#

84 152.9 66.0 99.0#

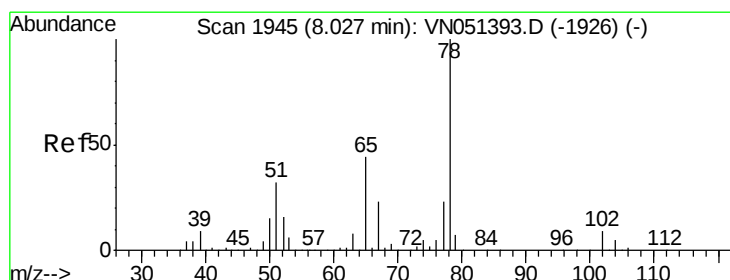
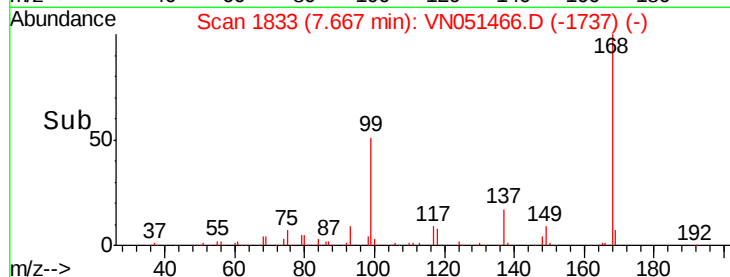
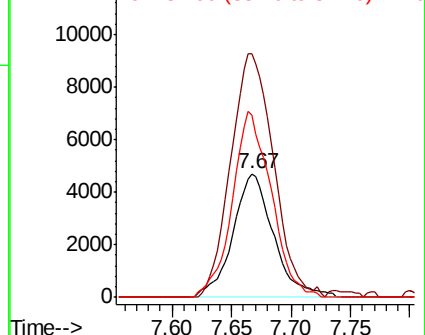


Abundance

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: 54.710 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051466.D

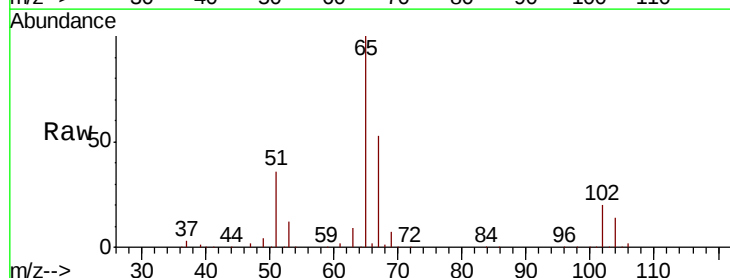
Acq: 24 Sep 2018 17:11

Tgt Ion: 65 Resp: 425545

Ion Ratio Lower Upper

65 100

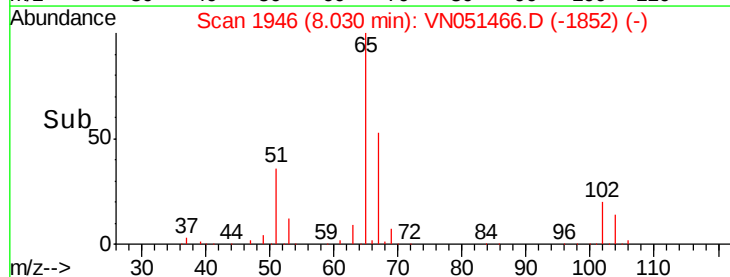
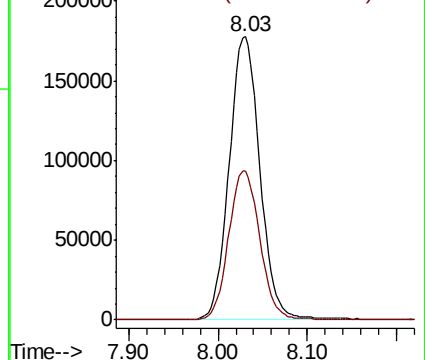
67 53.2 0.0 107.8

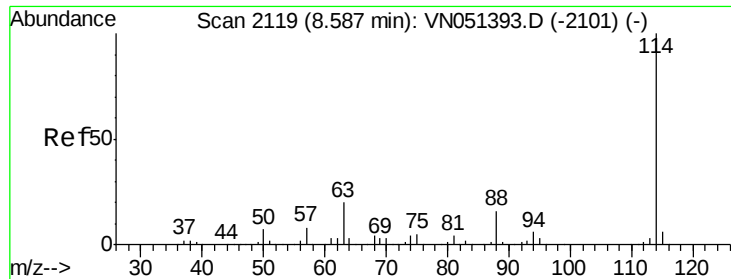


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

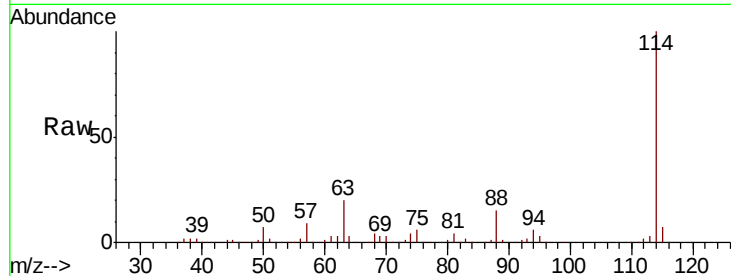




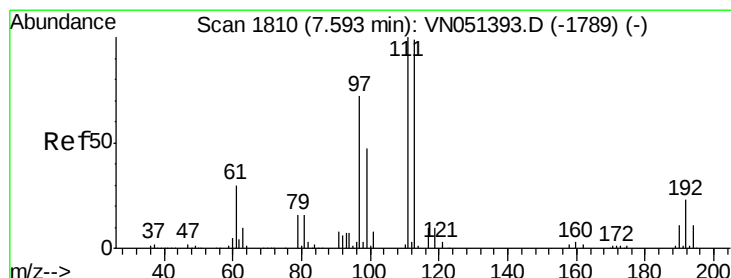
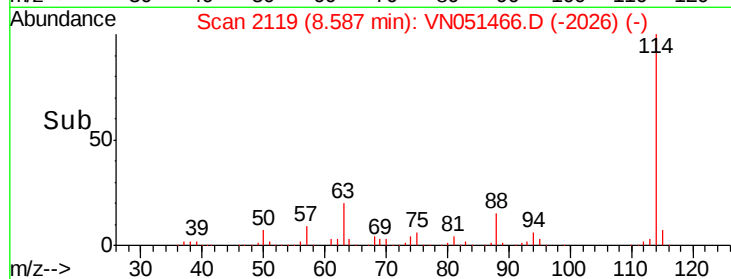
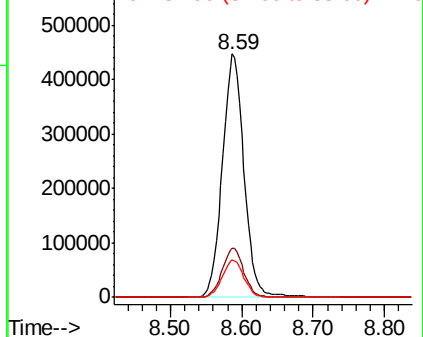
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051466.D
 Acq: 24 Sep 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 230-KV-A

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.2
88	15.3	0.0	31.4

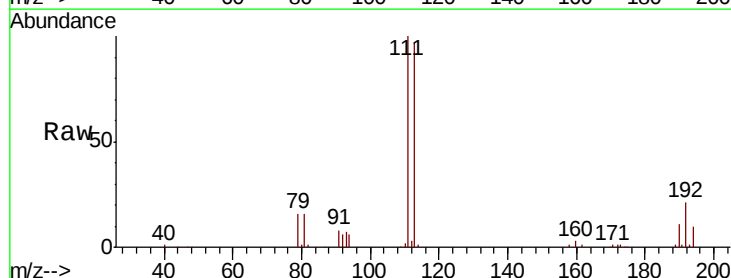


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

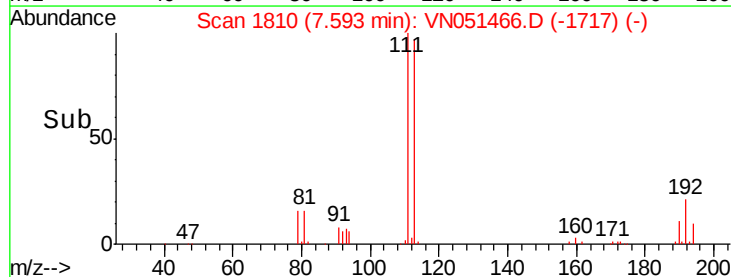
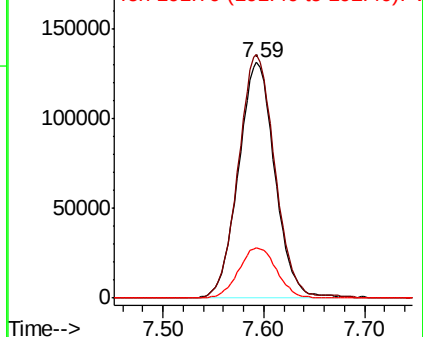


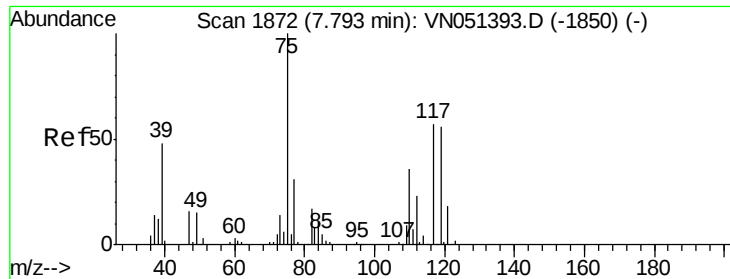
#35
 Dibromofluoromethane
 Concen: 43.704 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051466.D
 Acq: 24 Sep 2018 17:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	22.4	18.0	27.0



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

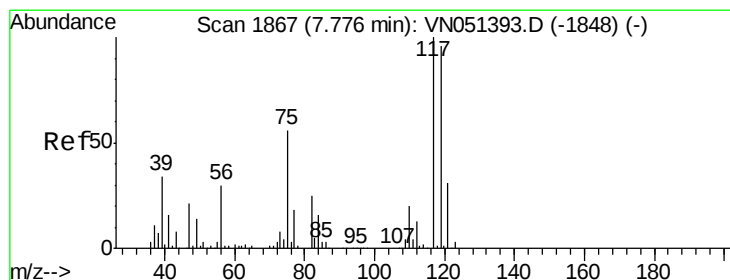
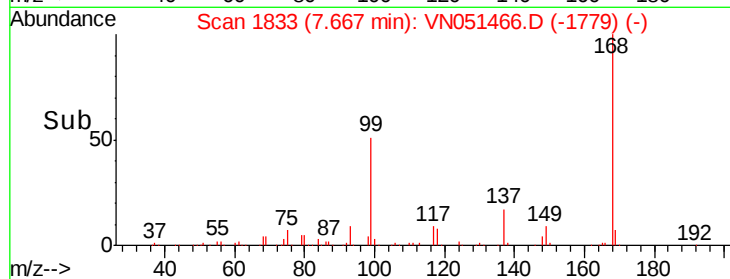
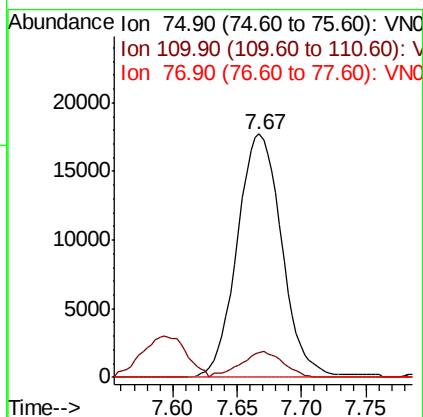
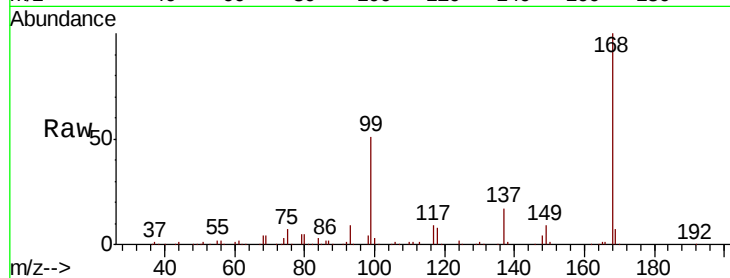




#36
 1,1-Dichloropropene
 Concen: 3.917 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051466.D
 Acq: 24 Sep 2018 17:11

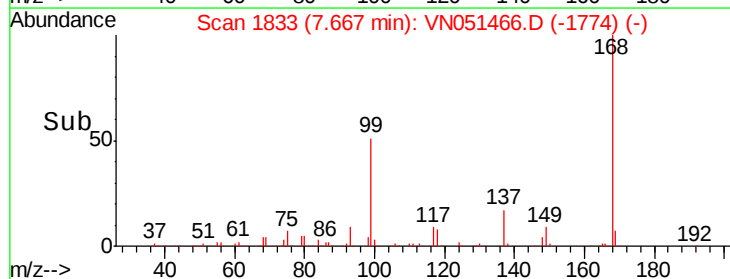
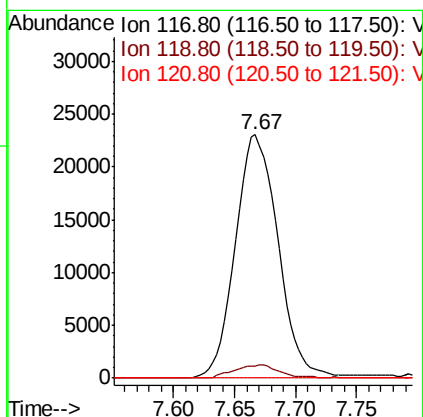
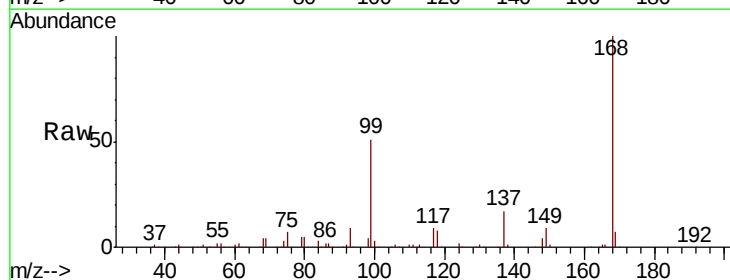
Instrument :
 MSVOA_N
 ClientSampled :
 230-KV-A

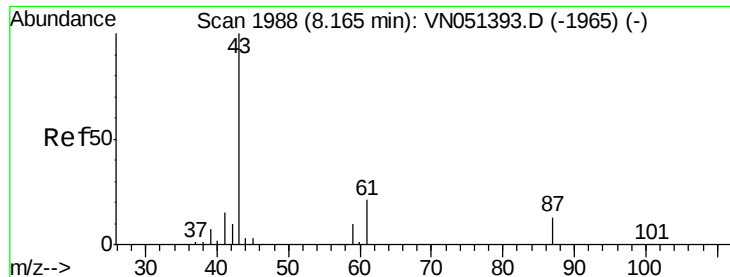
Tot Ion: 75 Resp: 42656
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.3#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 4.916 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051466.D
 Acq: 24 Sep 2018 17:11

Tgt Ion: 117 Resp: 55994
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.9 115.3#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 3.867 ug/l

RT: 8.26 min Scan# 2016

Delta R.T. 0.09 min

Lab File: VN051466.D

Acq: 24 Sep 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

230-KV-A

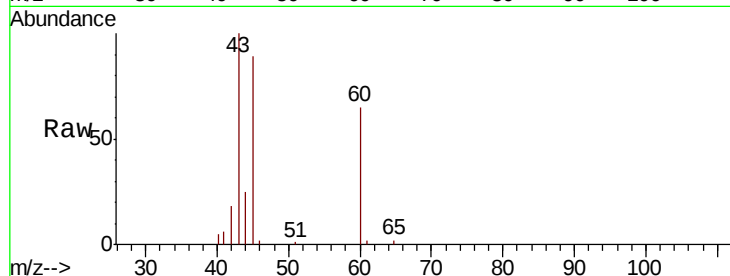
Tot Ion: 43 Resp: 43785

Ion Ratio Lower Upper

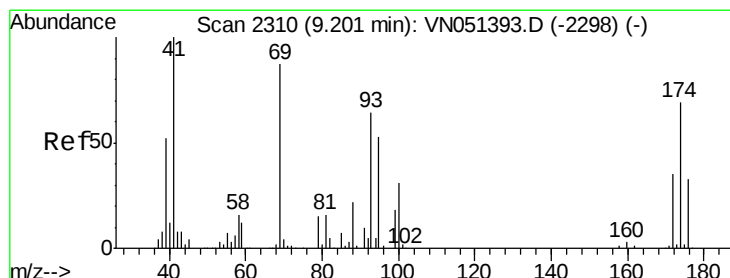
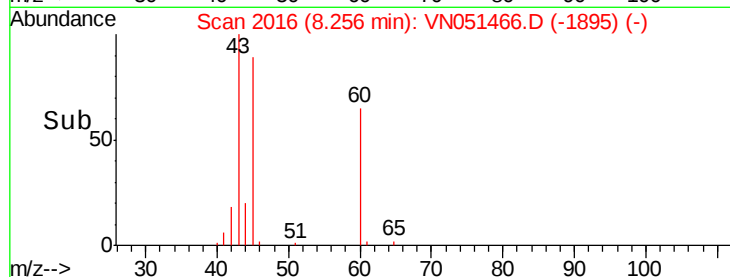
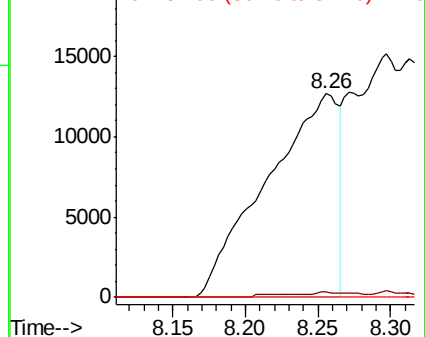
43 100

61 0.0 16.8 25.2#

87 0.0 10.7 16.1#



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



#48

Methyl methacrylate

Concen: 0.961 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN051466.D

Acq: 24 Sep 2018 17:11

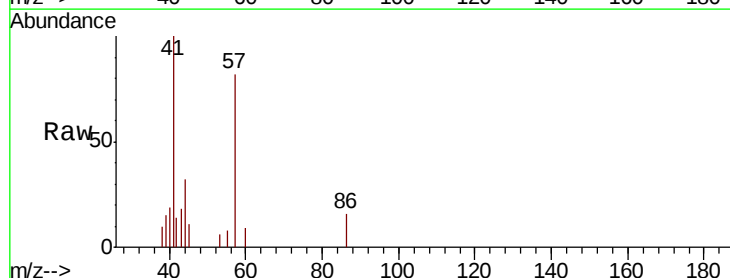
Tgt Ion: 41 Resp: 5425

Ion Ratio Lower Upper

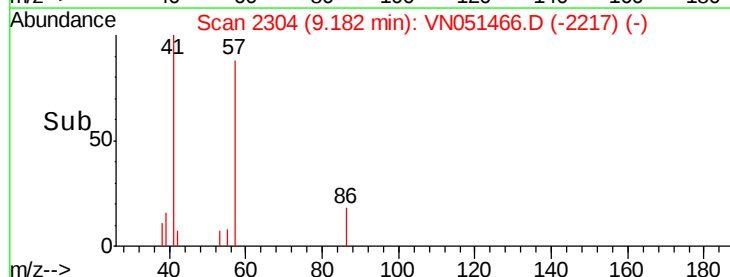
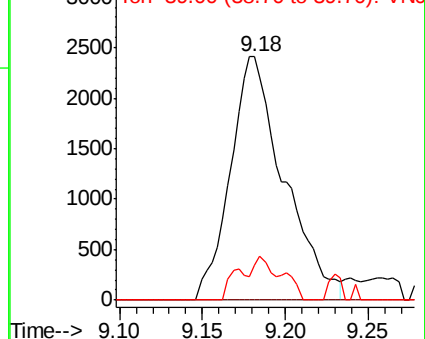
41 100

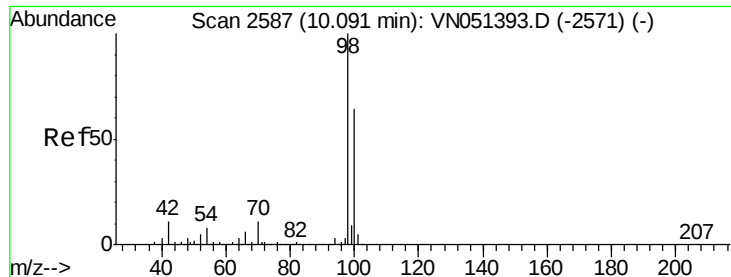
69 0.0 70.4 105.6#

39 9.1 43.8 65.8#



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





#50

Toluene-d8

Concen: 46.320 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051466.D

Acq: 24 Sep 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

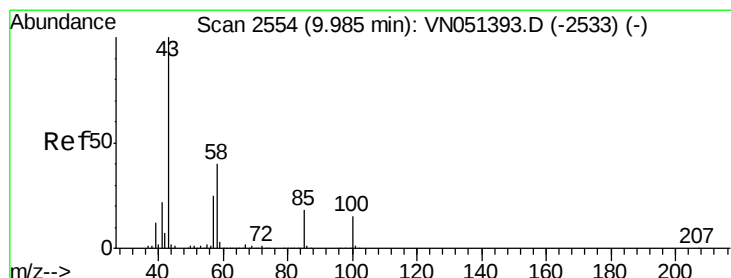
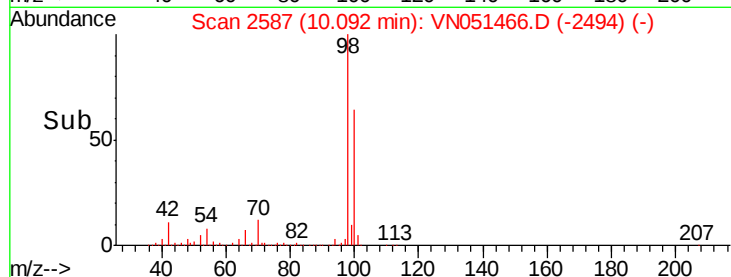
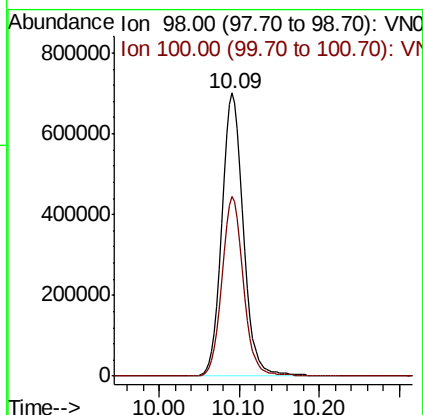
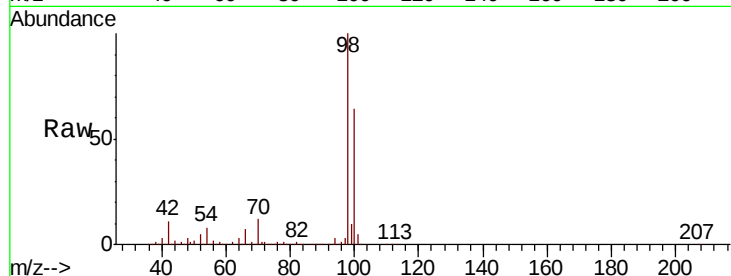
230-KV-A

Tot Ion: 98 Resp: 1311604

Ion Ratio Lower Upper

98 100

100 63.2 50.6 75.8



#51

4-Methyl-2-Pentanone

Concen: 0.242 ug/l

RT: 10.00 min Scan# 2557

Delta R.T. 0.01 min

Lab File: VN051466.D

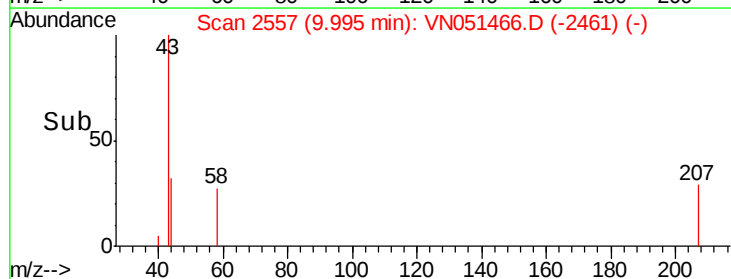
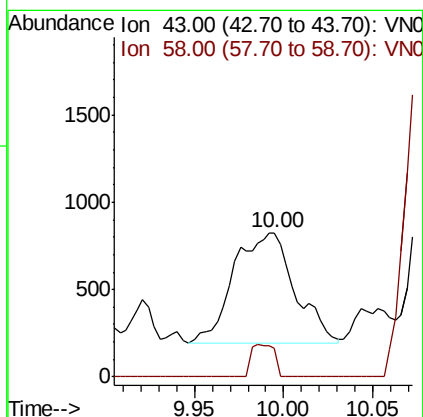
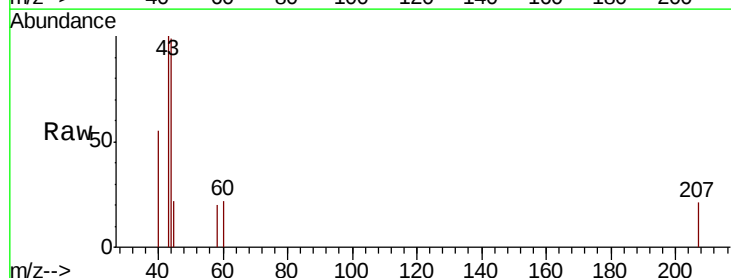
Acq: 24 Sep 2018 17:11

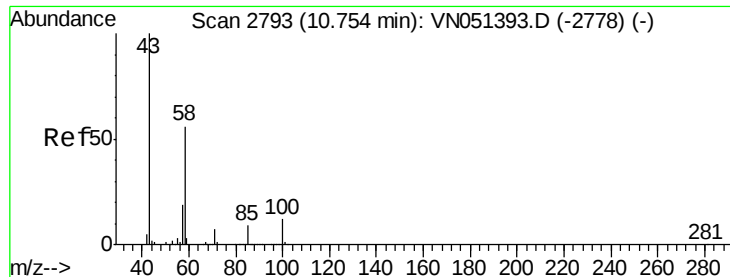
Tgt Ion: 43 Resp: 1507

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#

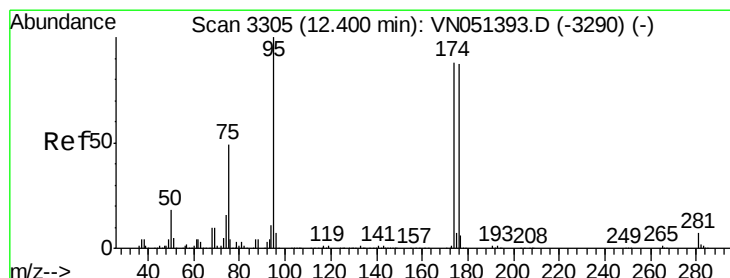
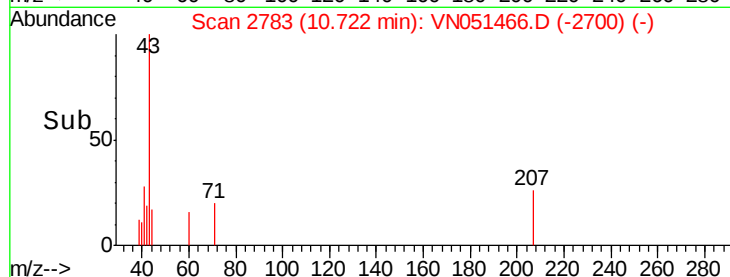
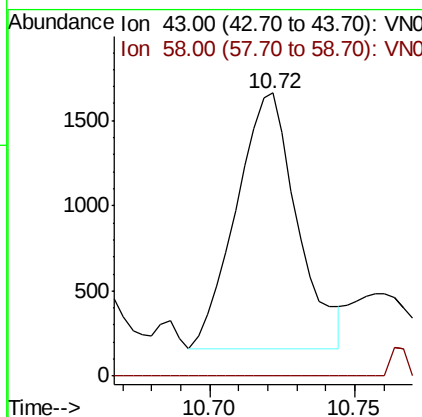
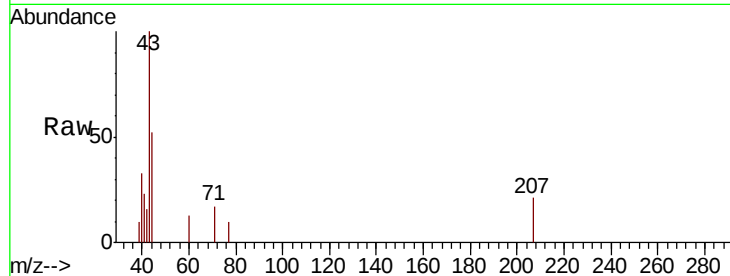




#59
2-Hexanone
Concen: 0.542 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.03 min
Lab File: VN051466.D
Acq: 24 Sep 2018 17:11

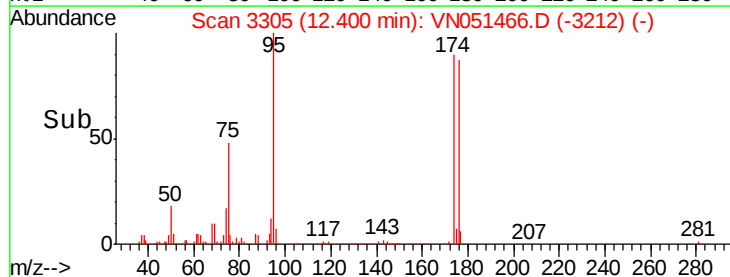
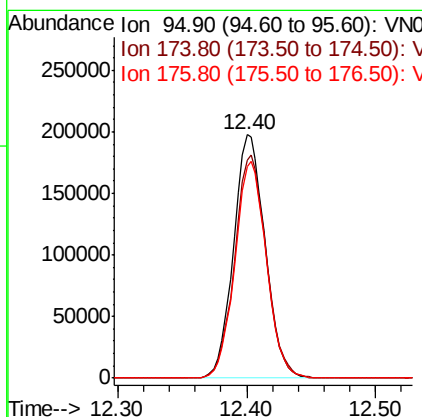
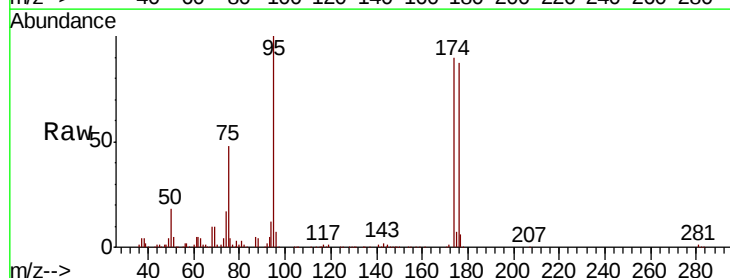
Instrument :
MSVOA_N
ClientSampleId :
230-KV-A

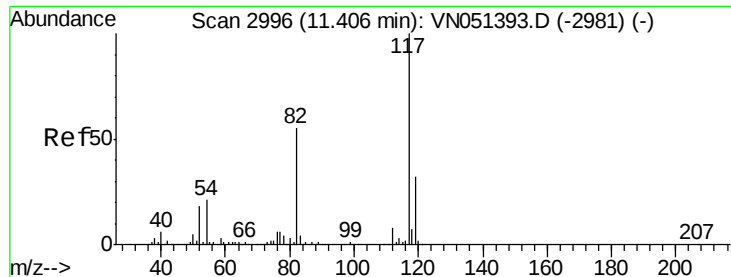
Tot Ion: 43 Resp: 2187
Ion Ratio Lower Upper
43 100
58 0.0 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 36.591 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051466.D
Acq: 24 Sep 2018 17:11

Tgt Ion: 95 Resp: 335186
Ion Ratio Lower Upper
95 100
174 92.2 0.0 181.6
176 88.9 0.0 176.4

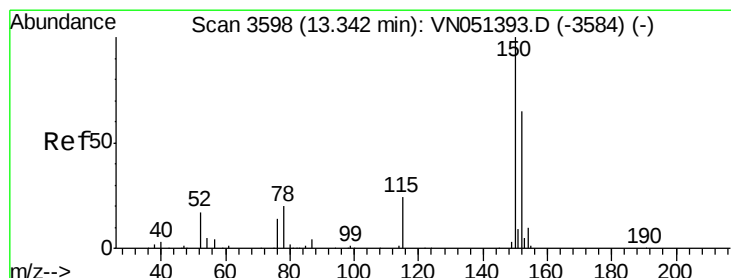
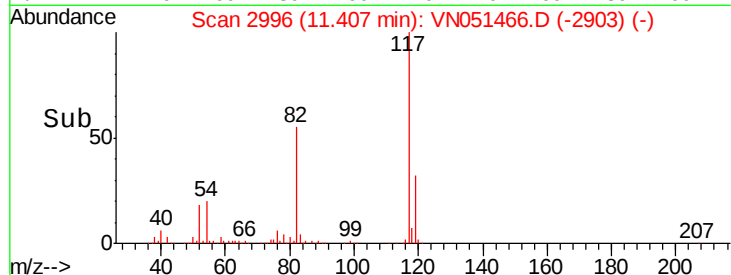
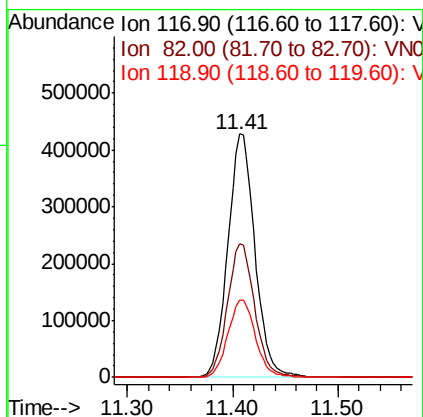
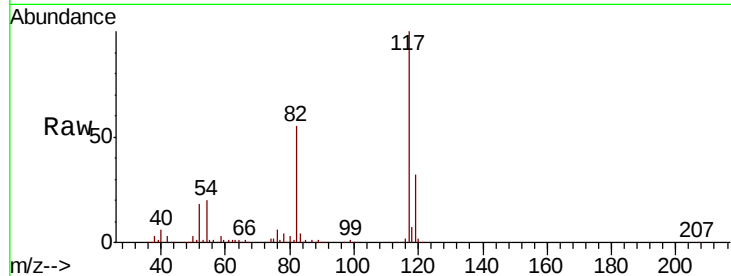




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051466.D
Acq: 24 Sep 2018 17:11

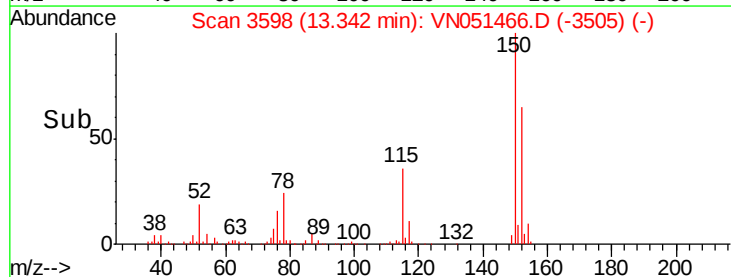
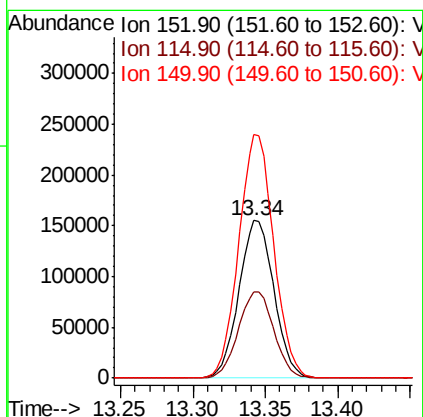
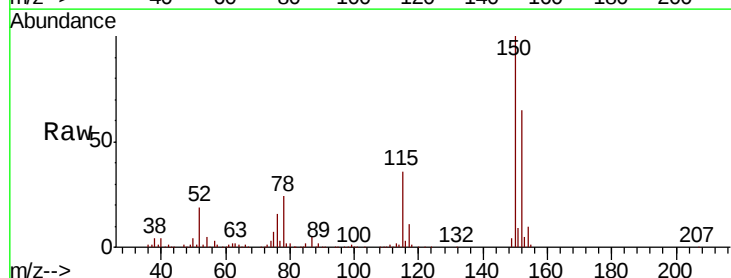
Instrument :
MSVOA_N
ClientSampled :
230-KV-A

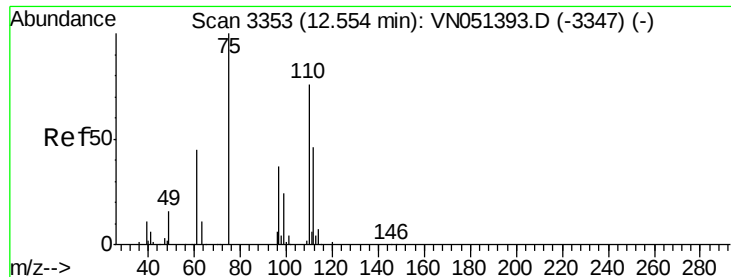
Tot Ion:117 Resp: 758610
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051466.D
Acq: 24 Sep 2018 17:11

Tgt Ion:152 Resp: 260505
Ion Ratio Lower Upper
152 100
115 55.7 28.3 84.9
150 154.3 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 37.997 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051466.D

Acq: 24 Sep 2018 17:11

Instrument :

MSVOA_N

ClientSampled :

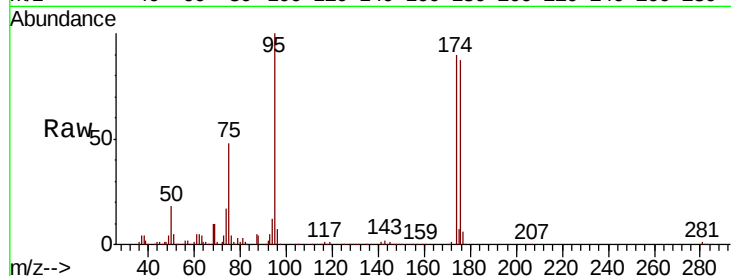
230-KV-A

Tot Ion: 75 Resp: 164321

Ion Ratio Lower Upper

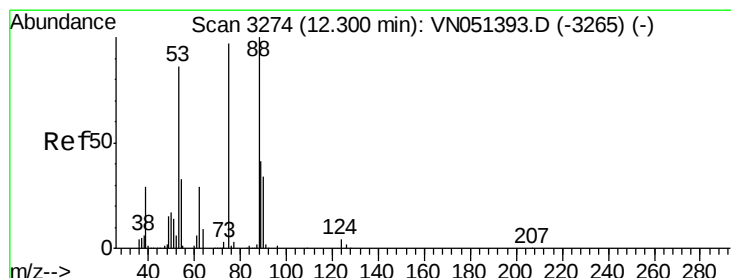
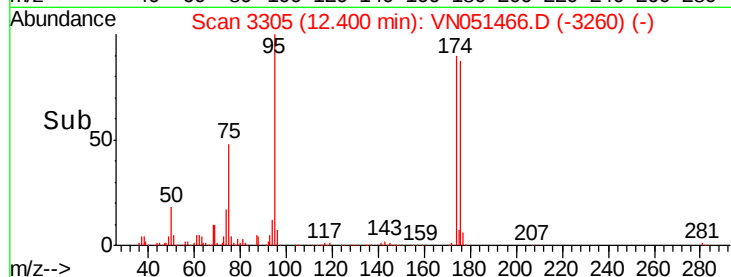
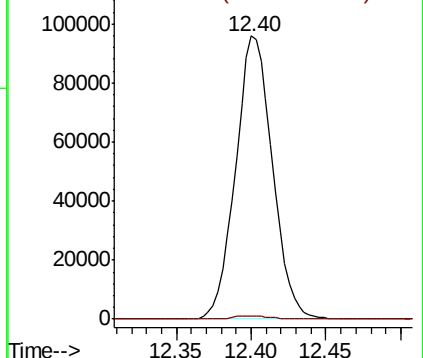
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 116.839 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051466.D

Acq: 24 Sep 2018 17:11

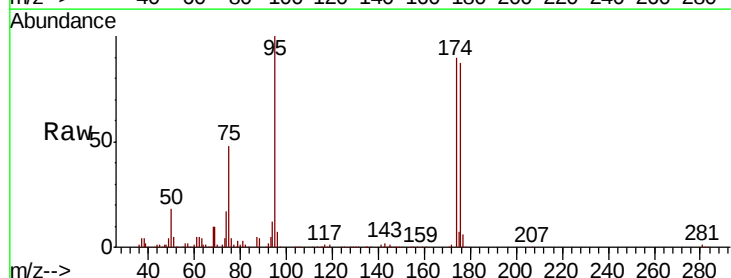
Tgt Ion: 75 Resp: 164321

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

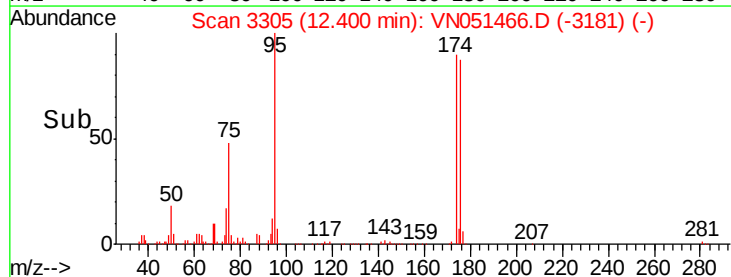
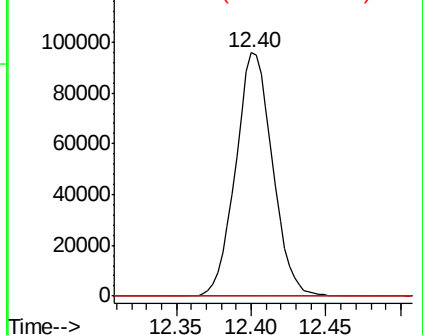
89 0.0 36.7 55.1#

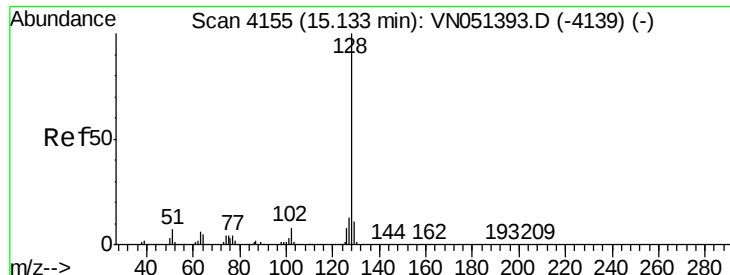


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 9.094 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051466.D

Acq: 24 Sep 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

230-KV-A

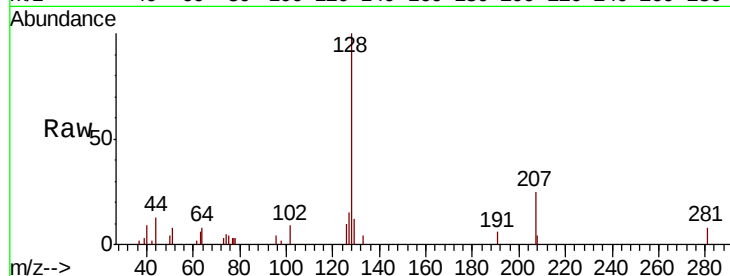
Tot Ion:128 Resp: 12115

Ion Ratio Lower Upper

128 100

127 14.1 10.5 15.7

129 9.9 8.6 12.8



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

