

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051468.D
 Acq On : 24 Sep 2018 18:00
 Operator : MD\SY
 Sample : J5061-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230-KV-C

Quant Time: Sep 25 02:01:04 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	641154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	974509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	801203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	295998	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	438106	54.55	ug/l	0.00
Spiked Amount			Recovery	=	109.10%	
35) Dibromofluoromethane	7.59	113	332155	42.62	ug/l	0.00
Spiked Amount			Recovery	=	85.24%	
50) Toluene-d8	10.09	98	1372936	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
62) 4-Bromofluorobenzene	12.40	95	365377	38.49	ug/l	0.00
Spiked Amount			Recovery	=	76.98%	

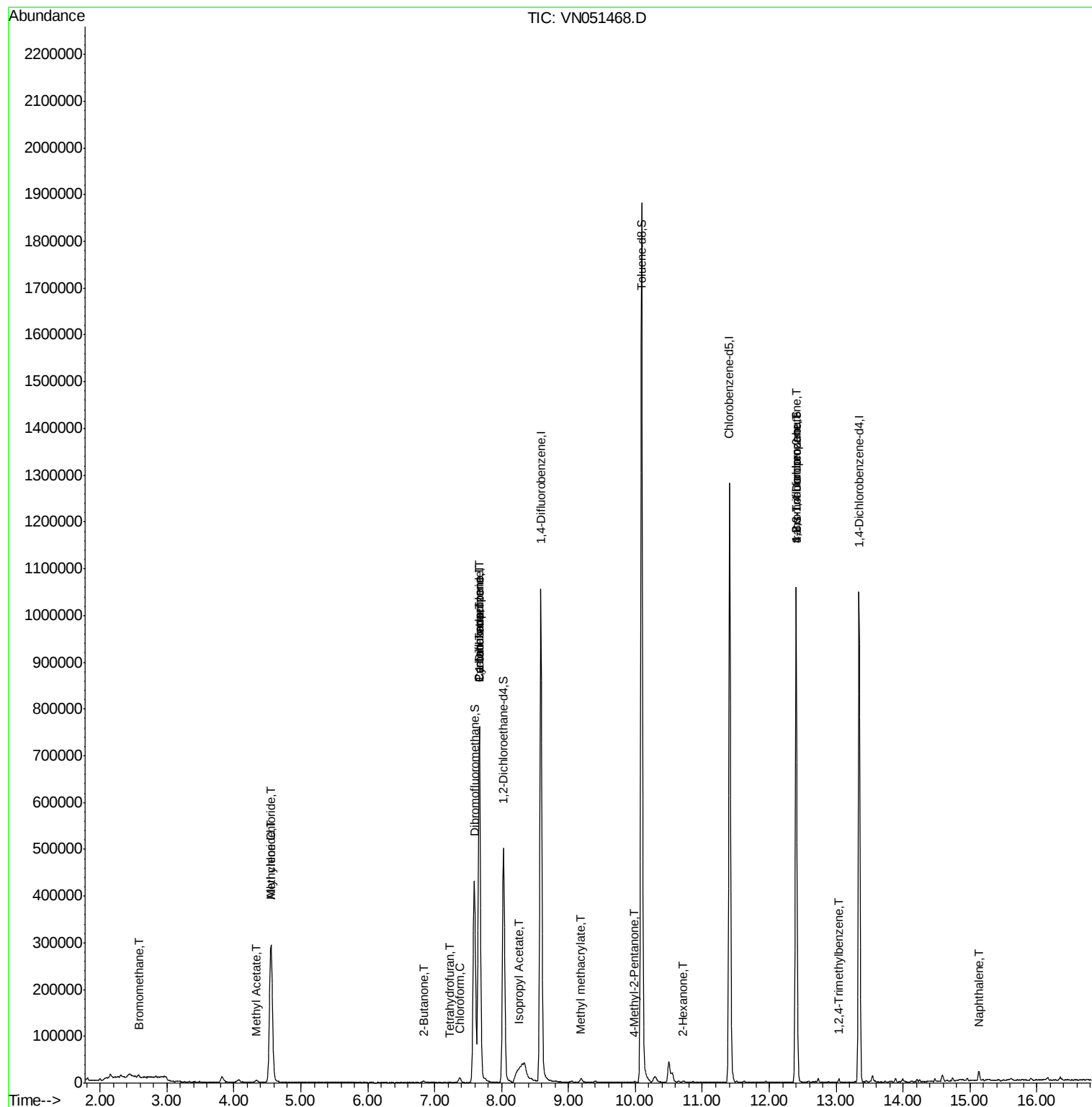
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1375	0.277	ug/l #	47
8) Diethyl Ether	3.42	74	156	Below Cal	#	1
14) Allyl chloride	4.55	41	9832	0.821	ug/l #	27
16) Acetone	3.82	43	20509	Below Cal		91
18) Methyl Acetate	4.33	43	7156	1.170	ug/l #	75
20) Methylene Chloride	4.55	84	225382	28.358	ug/l	99
25) 2-Butanone	6.85	43	2273	0.827	ug/l	98
29) Tetrahydrofuran	7.22	42	853	0.490	ug/l #	44
30) Chloroform	7.37	83	11263	0.823	ug/l	94
31) Cyclohexane	7.67	56	12021	0.951	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45948	4.072	ug/l #	48
38) Carbon Tetrachloride	7.67	117	60044	5.087	ug/l #	16
43) Isopropyl Acetate	8.25	43	32481	2.768	ug/l #	61
48) Methyl methacrylate	9.19	41	5096	0.871	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	2002	0.310	ug/l #	36
59) 2-Hexanone	10.72	43	1994	0.477	ug/l #	24
76) 1,2,3-Trichloropropane	12.40	75	175437	35.703	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	175437	109.785	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	4693	0.229	ug/l	90
95) Naphthalene	15.13	128	18445	9.451	ug/l	99

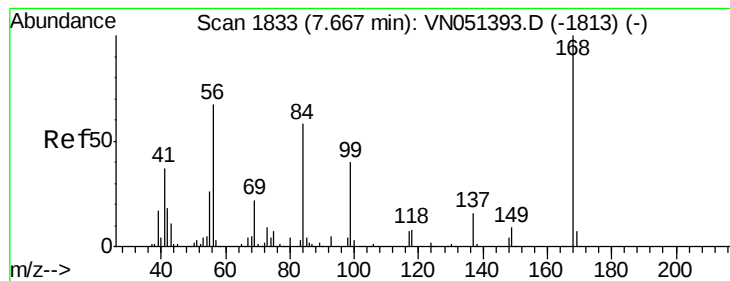
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092418\
Data File : VN051468.D
Acq On : 24 Sep 2018 18:00
Operator : MD\SY
Sample : J5061-14
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230-KV-C

Quant Time: Sep 25 02:01:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
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# 1833

Delta R.T. -0.00 min

Lab File: VN051468.D

Acq: 24 Sep 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

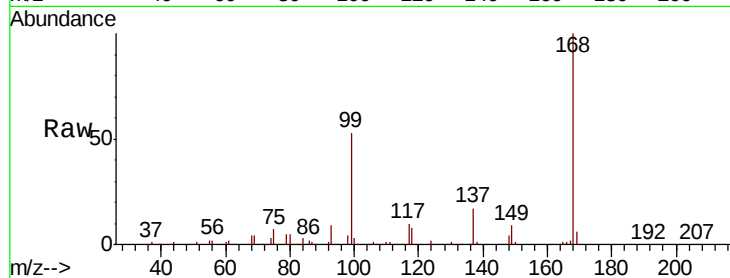
230-KV-C

Tot Ion:168 Resp: 641154

Ion Ratio Lower Upper

168 100

99 52.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

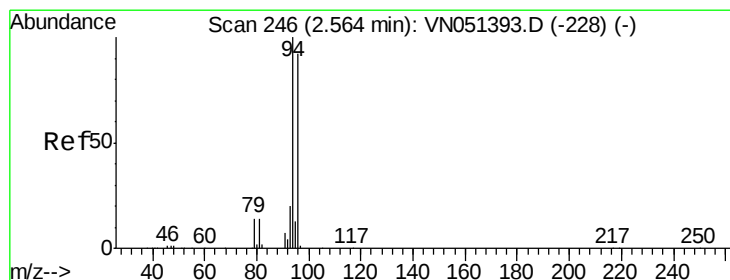
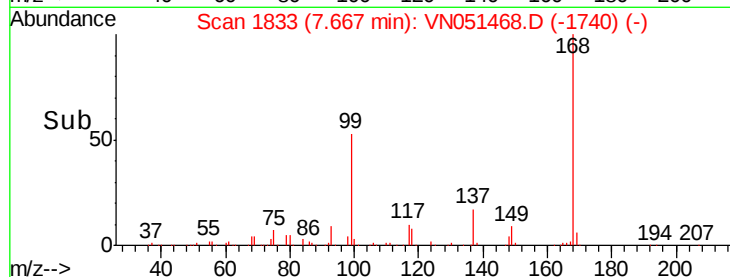
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.277 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051468.D

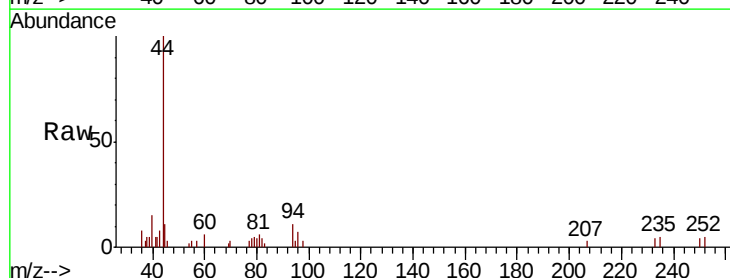
Acq: 24 Sep 2018 18:00

Tgt Ion: 94 Resp: 1375

Ion Ratio Lower Upper

94 100

96 41.3 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN051393.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN051393.D (-228) (-)

2.57

800

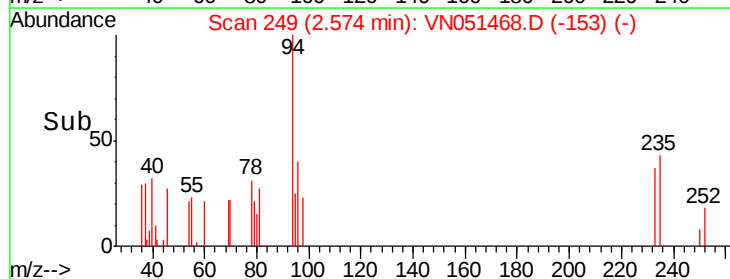
600

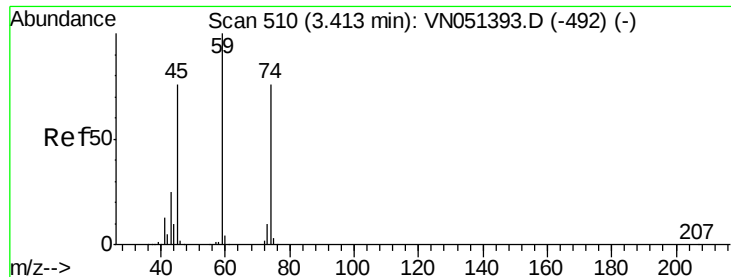
400

200

0

Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN051468.D

Acq: 24 Sep 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

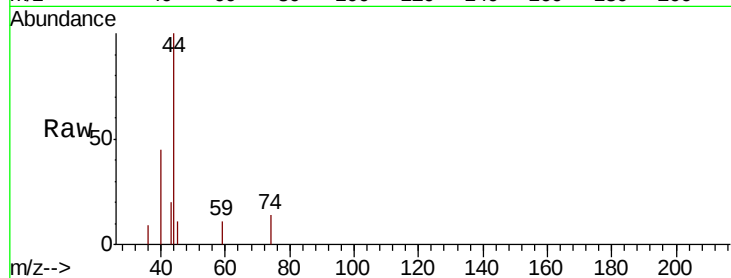
230-KV-C

Tot Ion: 74 Resp: 156

Ion Ratio Lower Upper

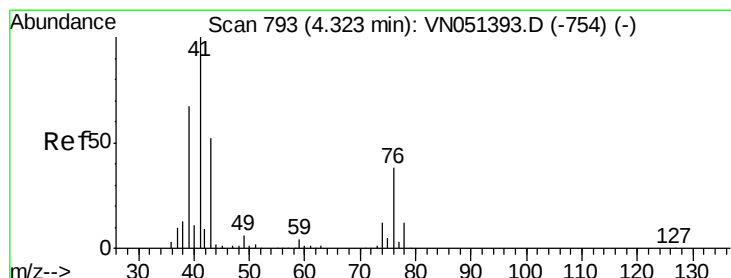
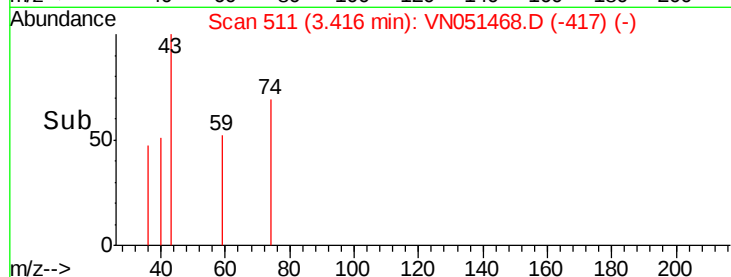
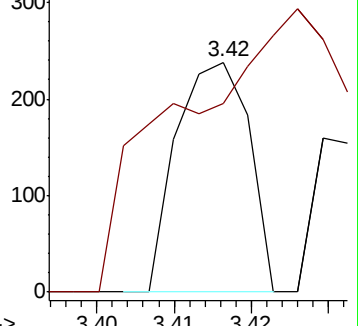
74 100

45 0.0 50.2 150.7#



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#14

Allyl chloride

Concen: 0.821 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.22 min

Lab File: VN051468.D

Acq: 24 Sep 2018 18:00

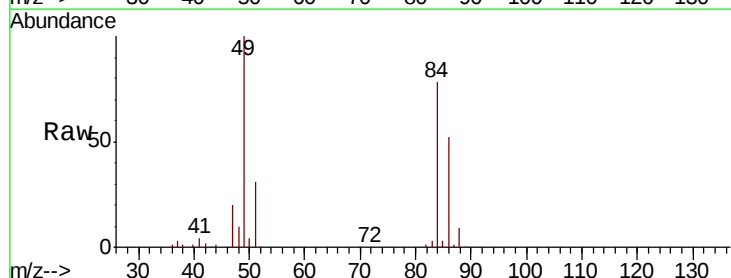
Tgt Ion: 41 Resp: 9832

Ion Ratio Lower Upper

41 100

39 1.2 51.4 77.2#

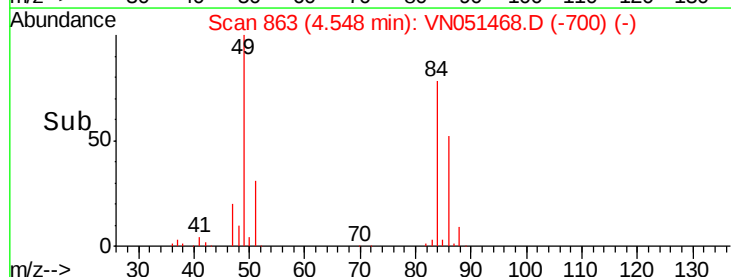
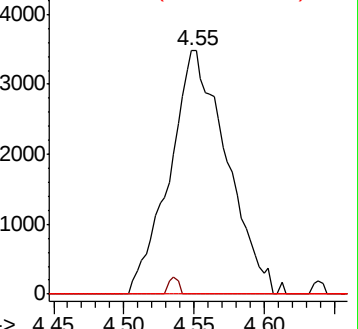
76 0.0 28.1 42.1#

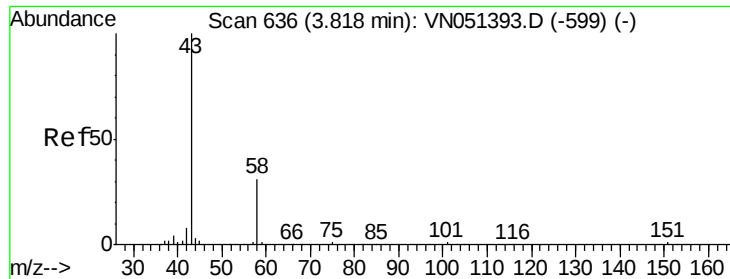


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051468.D

Acq: 24 Sep 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

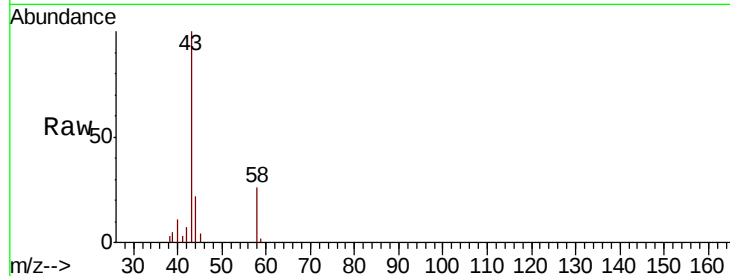
230-KV-C

Tot Ion: 43 Resp: 20509

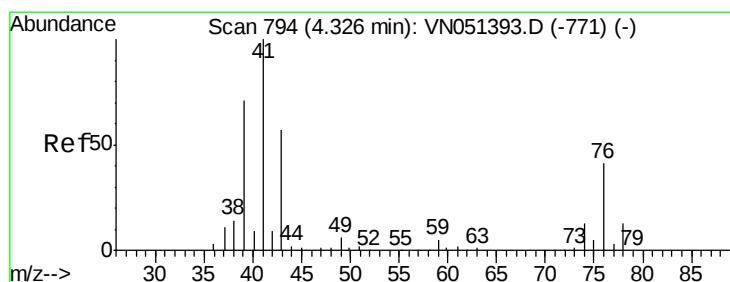
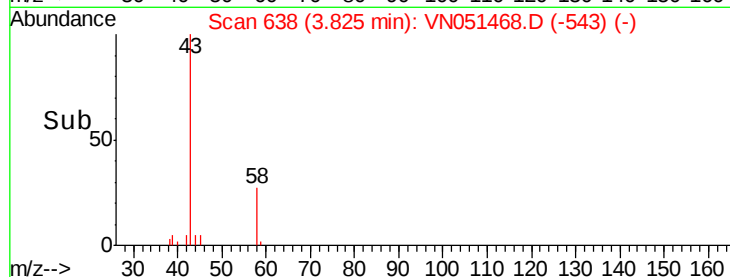
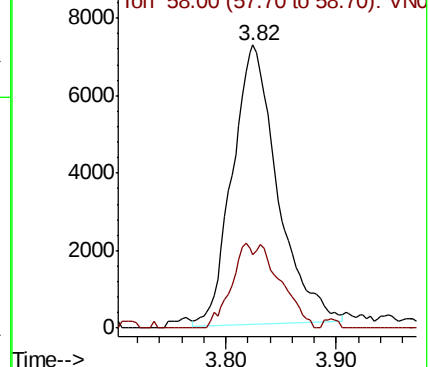
Ion Ratio Lower Upper

43 100

58 26.5 25.0 37.4



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



#18

Methyl Acetate

Concen: 1.170 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051468.D

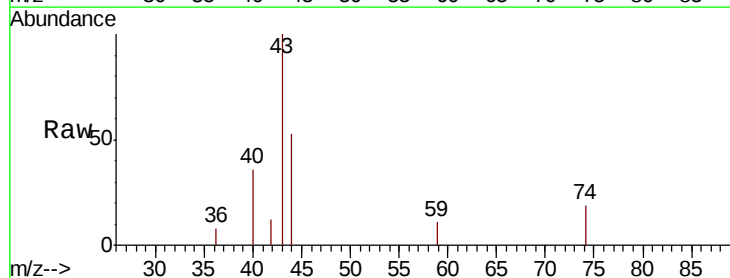
Acq: 24 Sep 2018 18:00

Tgt Ion: 43 Resp: 7156

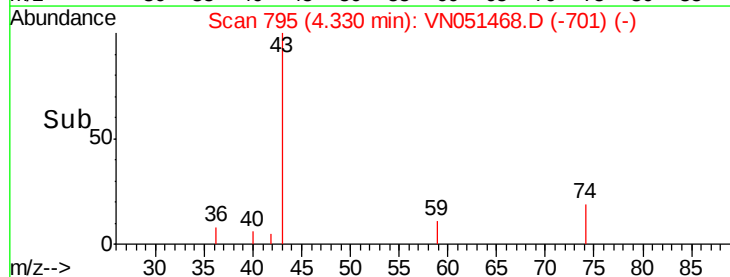
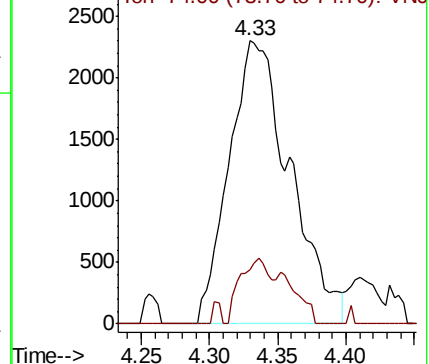
Ion Ratio Lower Upper

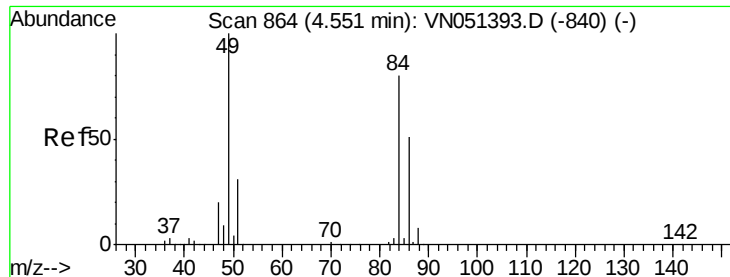
43 100

74 11.1 18.8 28.2#



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



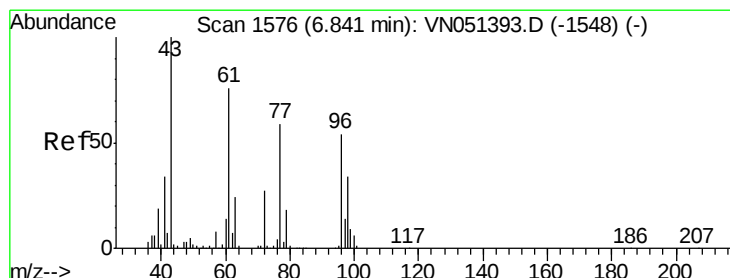
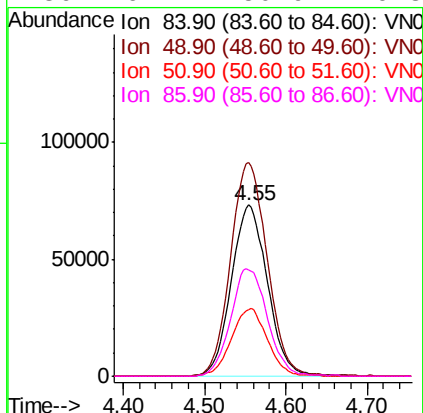
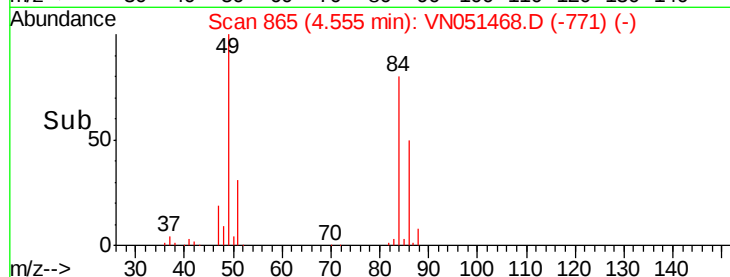
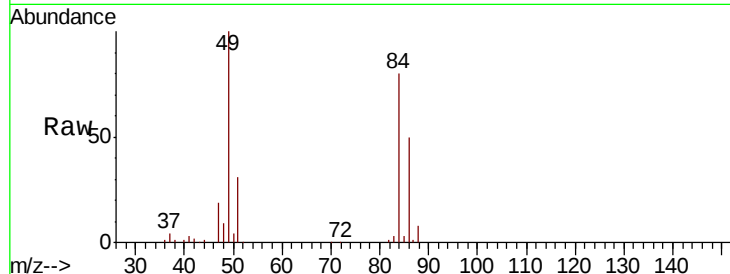


#20
Methvlene Chloride
Concen: 28.358 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051468.D
Acq: 24 Sep 2018 18:00

Instrument :
MSVOA_N
ClientSampleId :
230-KV-C

Tot Ion: 84 Resp: 225382

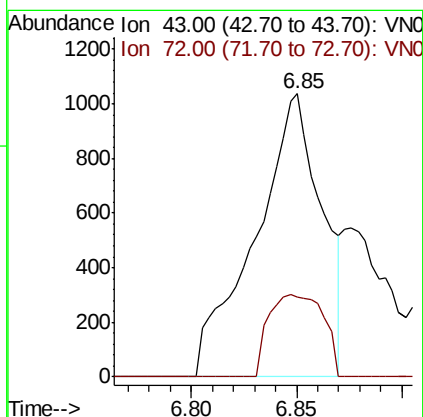
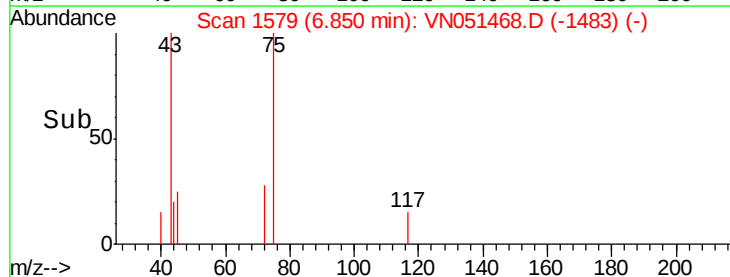
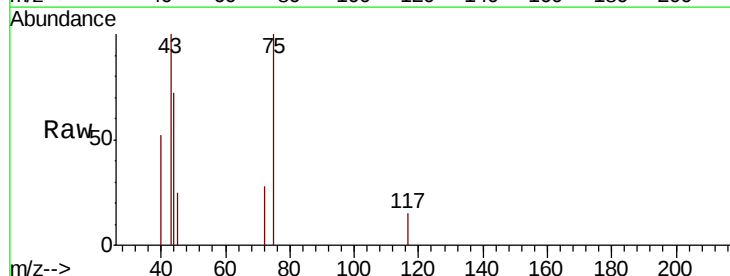
Ion	Ratio	Lower	Upper
84	100		
49	124.7	99.9	149.9
51	39.2	31.4	47.2
86	62.2	50.9	76.3

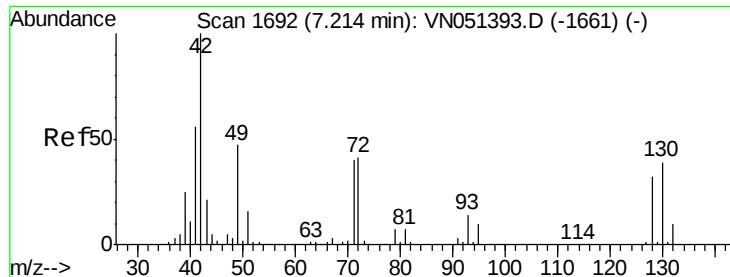


#25
2-Butanone
Concen: 0.827 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051468.D
Acq: 24 Sep 2018 18:00

Tgt Ion: 43 Resp: 2273

Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.8	32.6





#29

Tetrahydrofuran

Concen: 0.490 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051468.D

Acq: 24 Sep 2018 18:00

Instrument :

MSVOA_N

ClientSampled :

230-KV-C

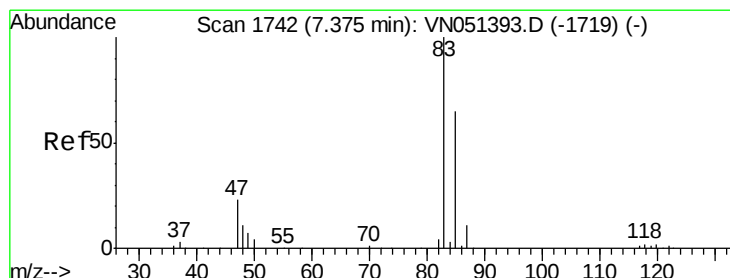
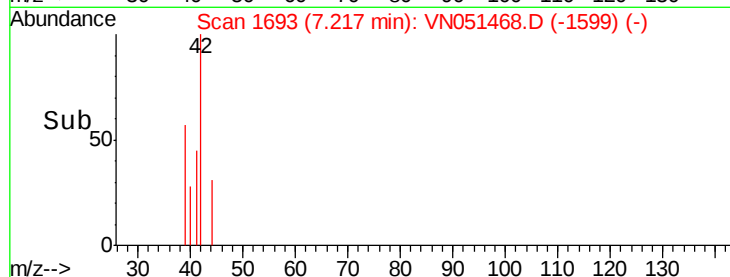
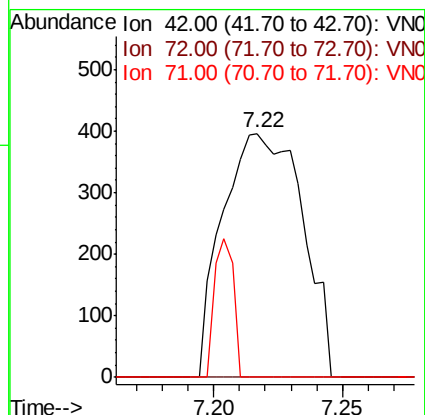
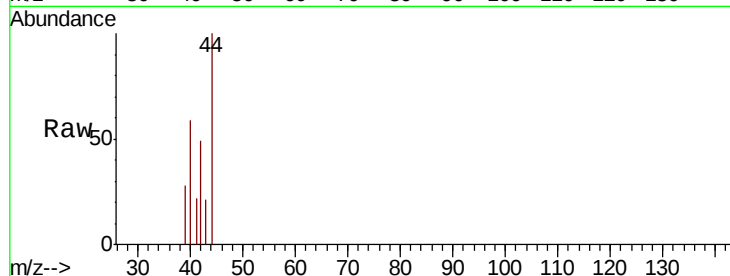
Tot Ion: 42 Resp: 853

Ion Ratio Lower Upper

42 100

72 0.0 34.3 51.5#

71 13.5 32.2 48.4#



#30

Chloroform

Concen: 0.823 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051468.D

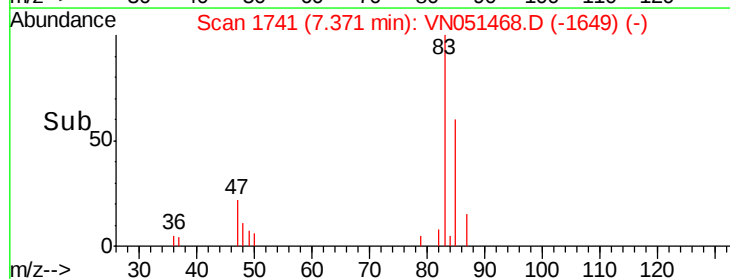
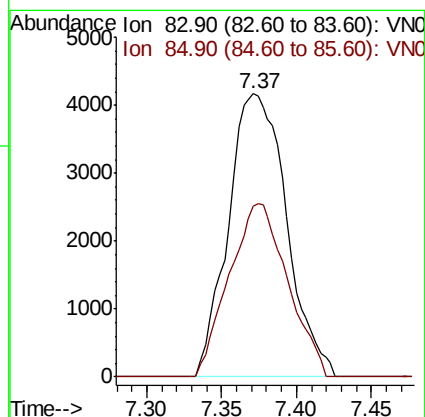
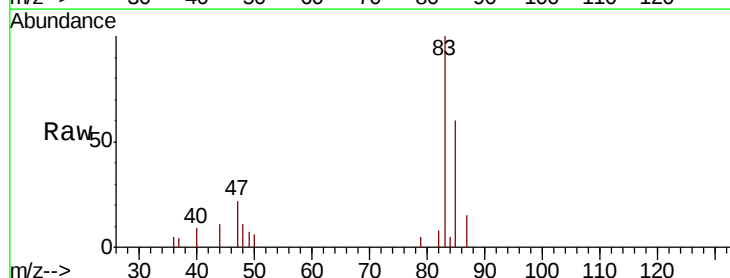
Acq: 24 Sep 2018 18:00

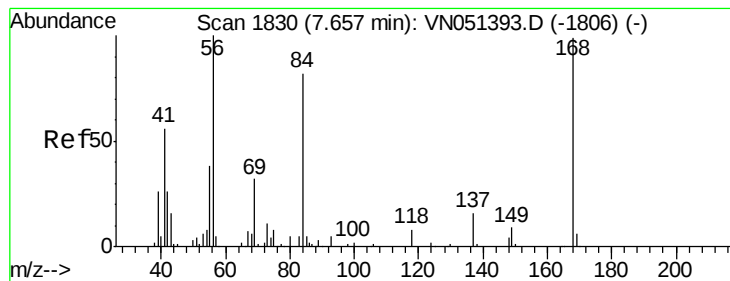
Tgt Ion: 83 Resp: 11263

Ion Ratio Lower Upper

83 100

85 60.2 51.8 77.6





#31

Cyclohexane

Concen: 0.951 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051468.D

Acq: 24 Sep 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

230-KV-C

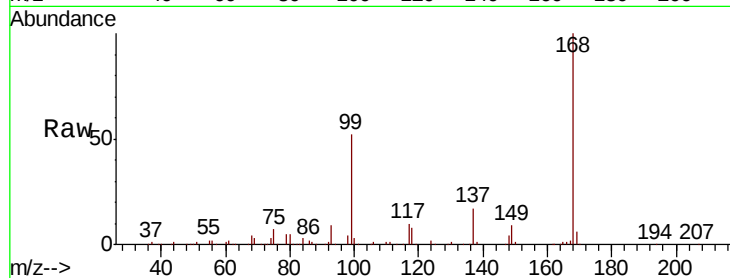
Tot Ion: 56 Resp: 12021

Ion Ratio Lower Upper

56 100

69 190.5 25.8 38.6#

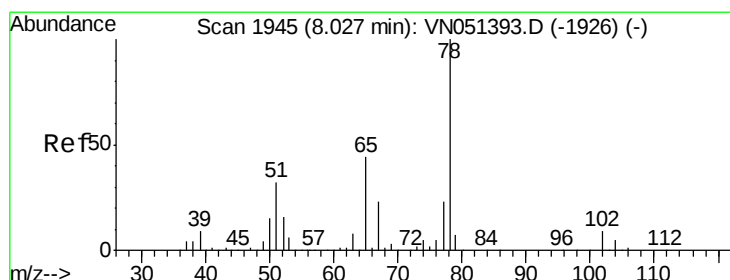
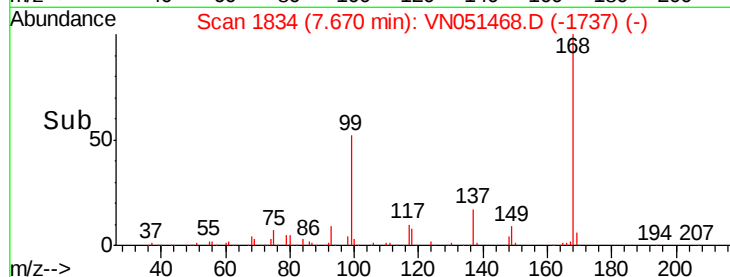
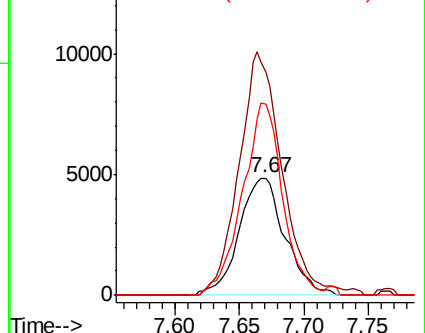
84 163.0 66.0 99.0#



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: 54.548 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051468.D

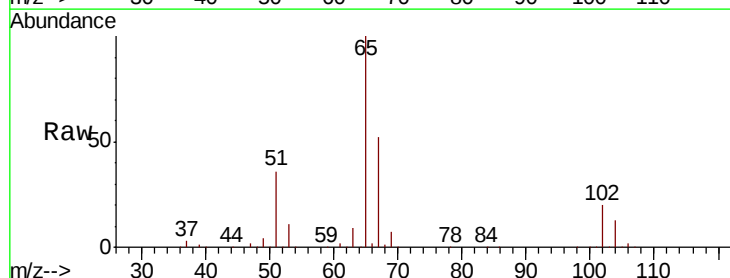
Acq: 24 Sep 2018 18:00

Tgt Ion: 65 Resp: 438106

Ion Ratio Lower Upper

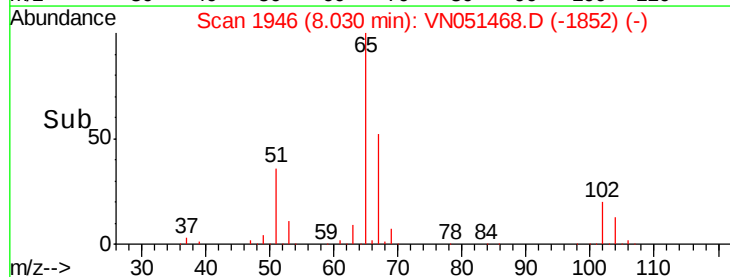
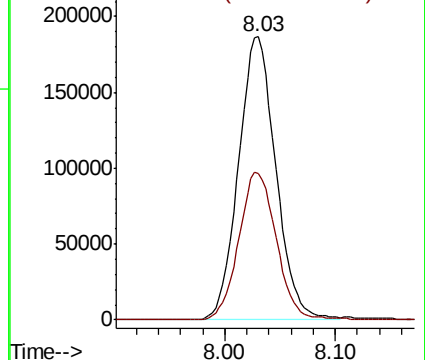
65 100

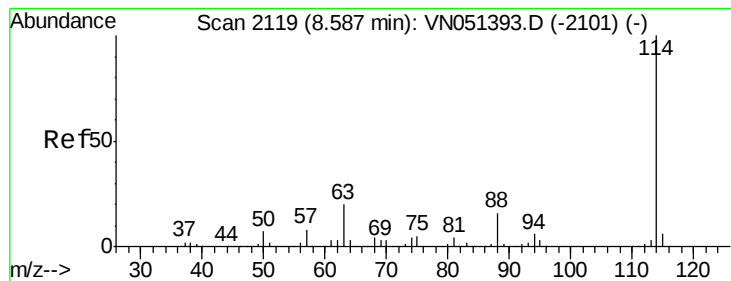
67 52.6 0.0 107.8



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: VN051468.D

Acq: 24 Sep 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

230-KV-C

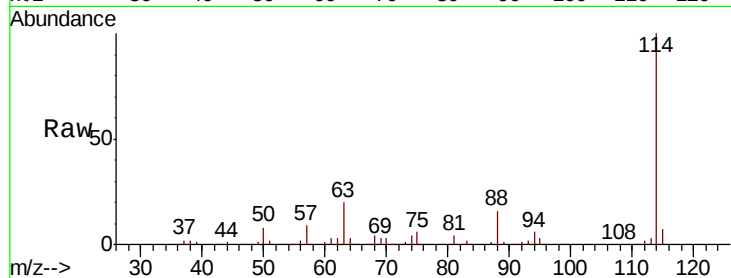
Tot Ion:114 Resp: 974509

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.2

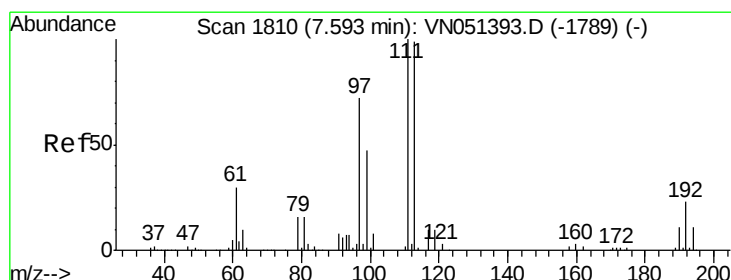
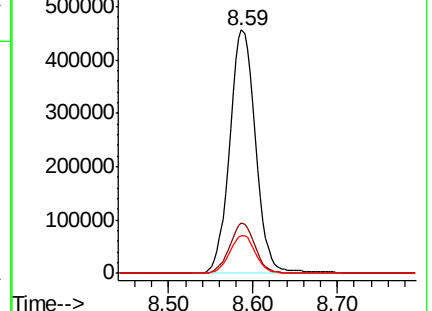
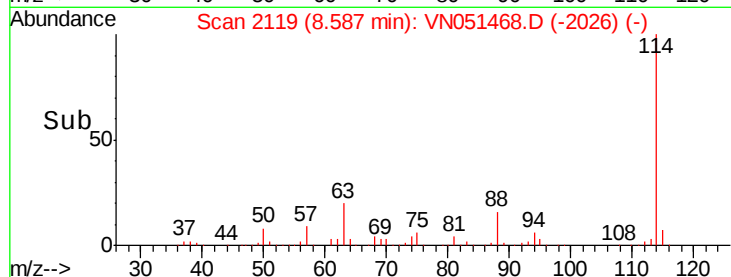
88 15.6 0.0 31.4



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: 42.624 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051468.D

Acq: 24 Sep 2018 18:00

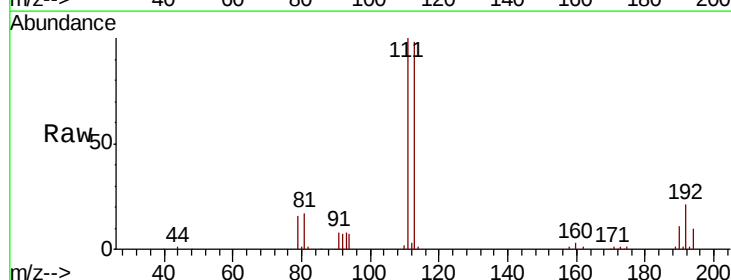
Tgt Ion:113 Resp: 332155

Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

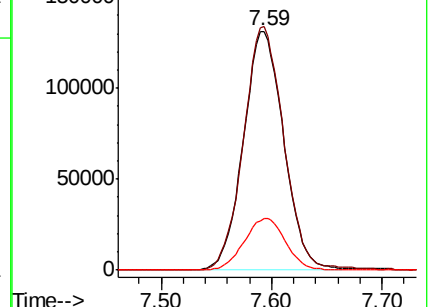
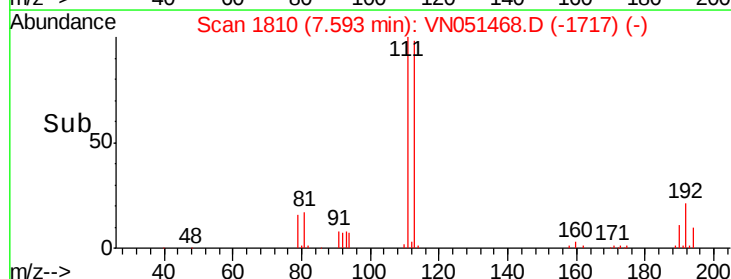
192 22.2 18.0 27.0

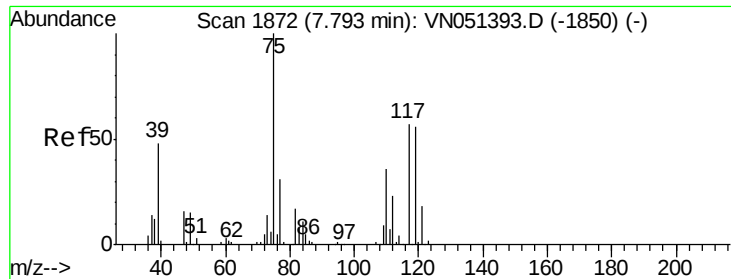


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

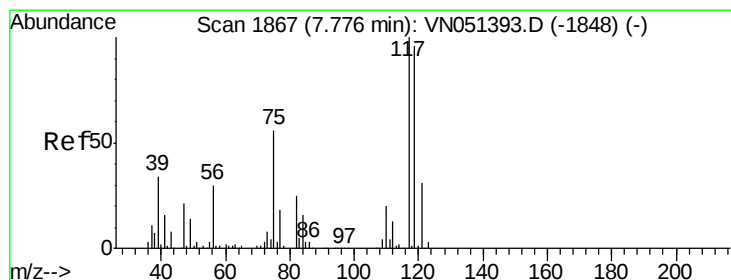
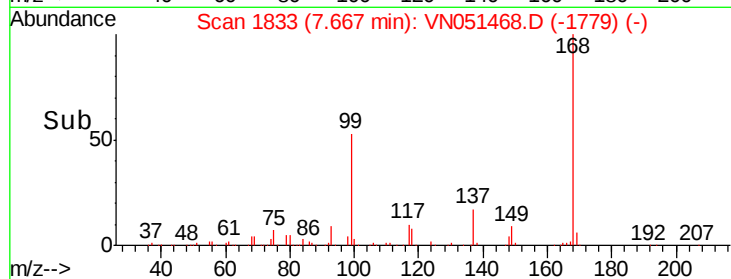
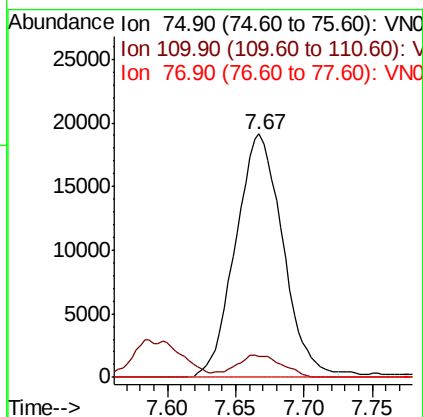
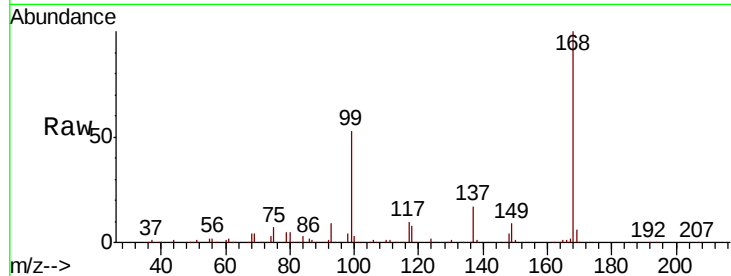




#36
 1,1-Dichloropropene
 Concen: 4.072 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051468.D
 Acq: 24 Sep 2018 18:00

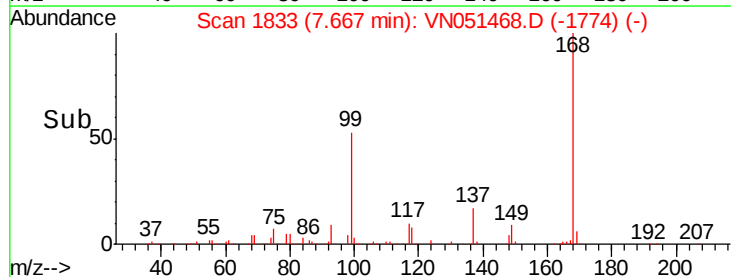
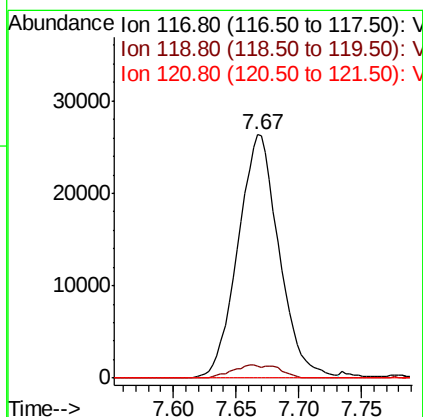
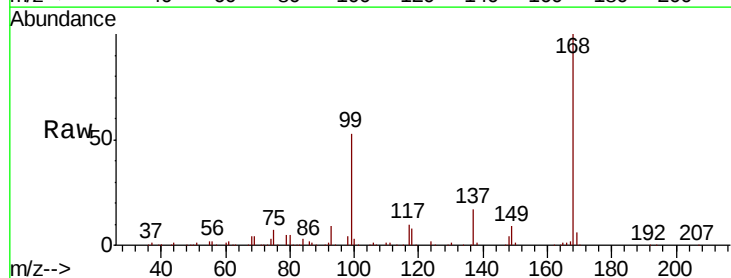
Instrument :
 MSVOA_N
 ClientSampled :
 230-KV-C

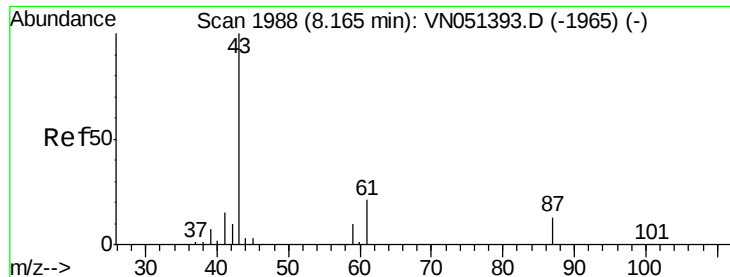
Tot Ion	75	Resp	45948
Ion Ratio	Lower	Upper	
75	100		
110	8.8	18.1	54.3#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.087 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051468.D
 Acq: 24 Sep 2018 18:00

Tgt Ion	117	Resp	60044
Ion Ratio	Lower	Upper	
117	100		
119	4.8	76.9	115.3#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 2.768 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.09 min

Lab File: VN051468.D

Acq: 24 Sep 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

230-KV-C

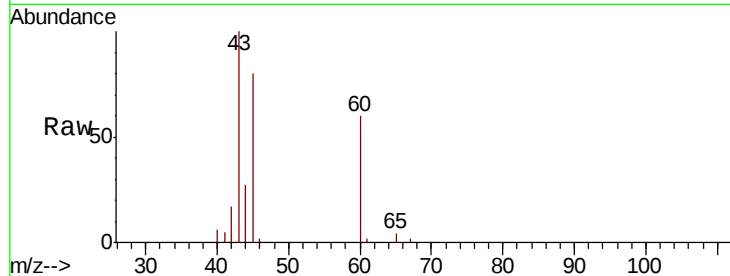
Tot Ion: 43 Resp: 32481

Ion Ratio Lower Upper

43 100

61 1.1 16.8 25.2#

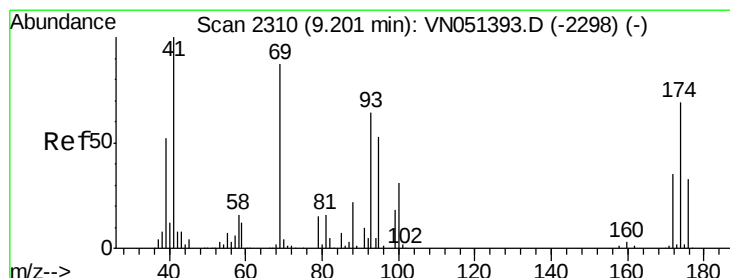
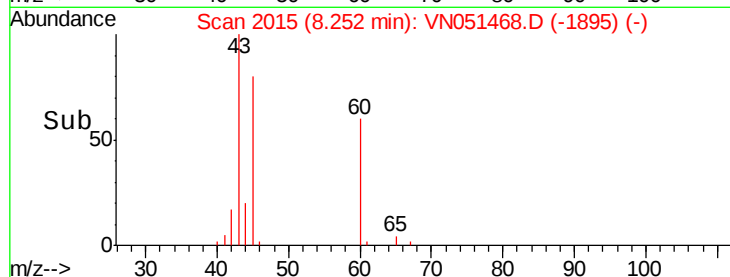
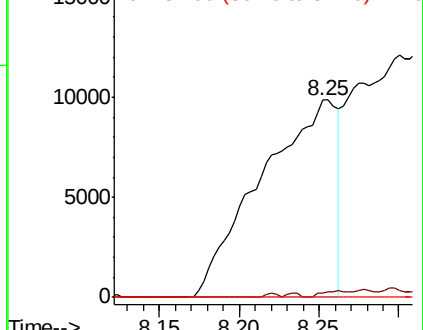
87 0.0 10.7 16.1#



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: 0.871 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.01 min

Lab File: VN051468.D

Acq: 24 Sep 2018 18:00

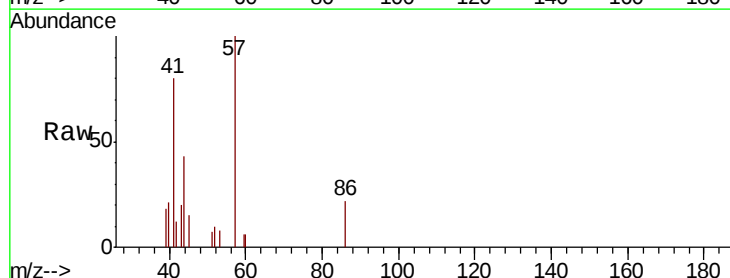
Tgt Ion: 41 Resp: 5096

Ion Ratio Lower Upper

41 100

69 0.0 70.4 105.6#

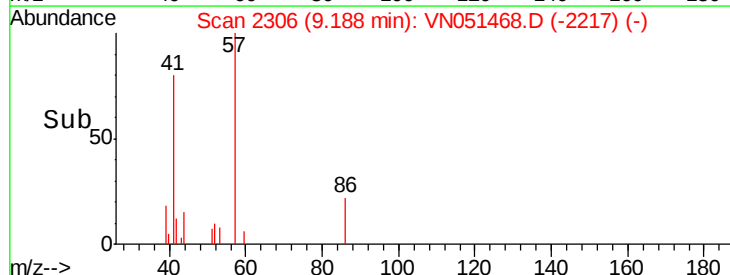
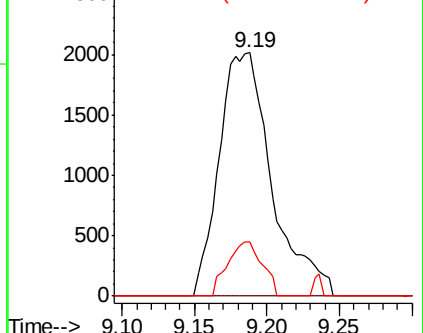
39 14.7 43.8 65.8#

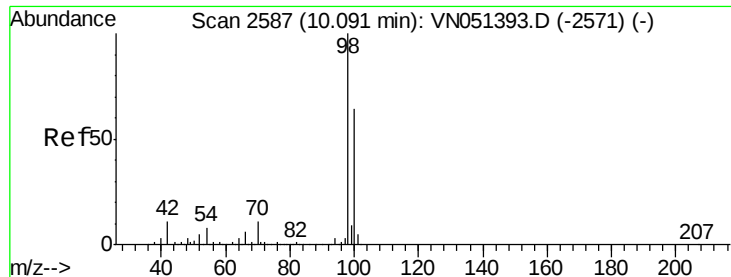


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

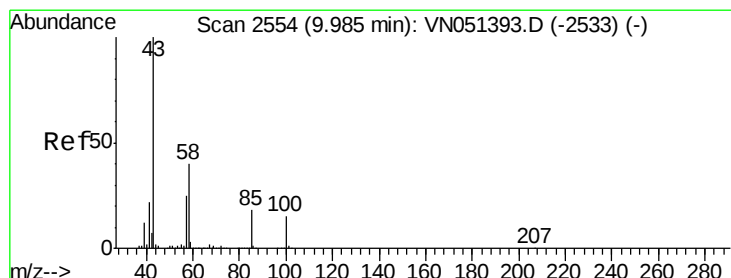
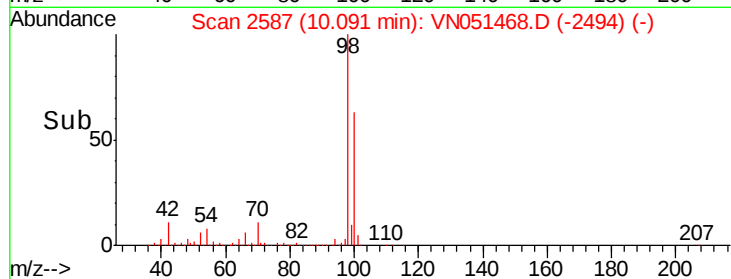
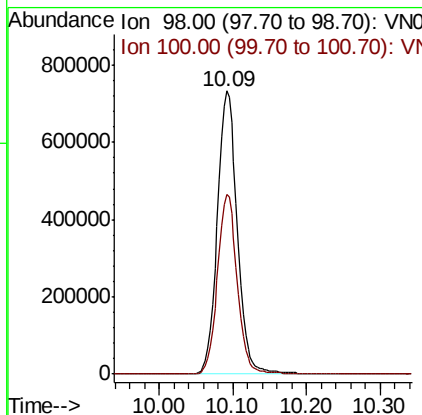
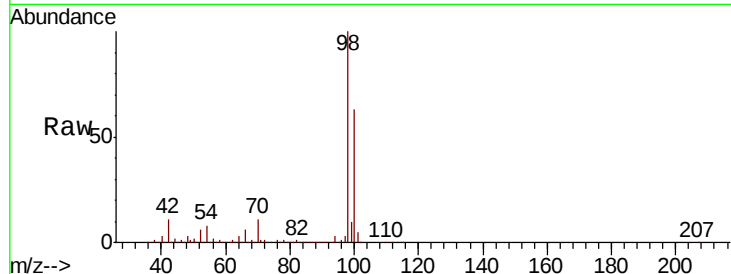




#50
Toluene-d8
Concen: 46.787 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051468.D
Acq: 24 Sep 2018 18:00

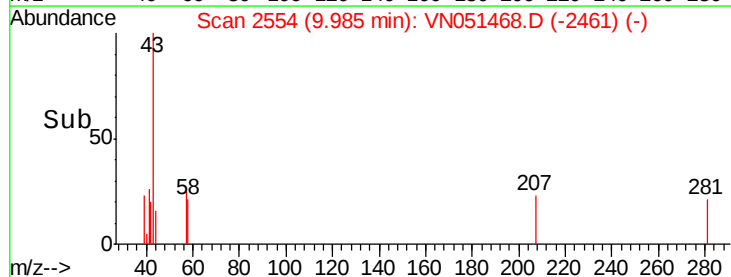
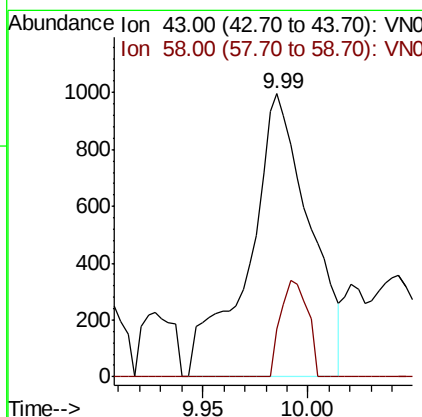
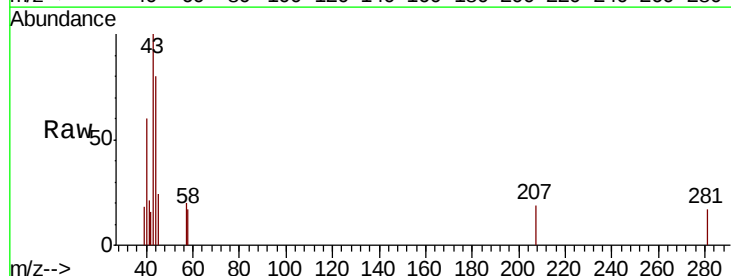
Instrument :
MSVOA_N
ClientSampled :
230-KV-C

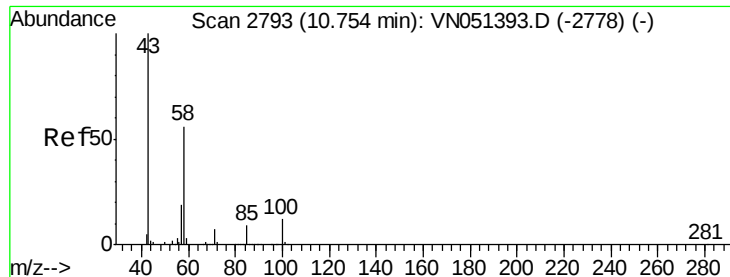
Tot Ion: 98 Resp: 1372936
Ion Ratio Lower Upper
98 100
100 63.0 50.6 75.8



#51
4-Methyl-2-Pentanone
Concen: 0.310 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051468.D
Acq: 24 Sep 2018 18:00

Tgt Ion: 43 Resp: 2002
Ion Ratio Lower Upper
43 100
58 0.0 31.5 47.3#

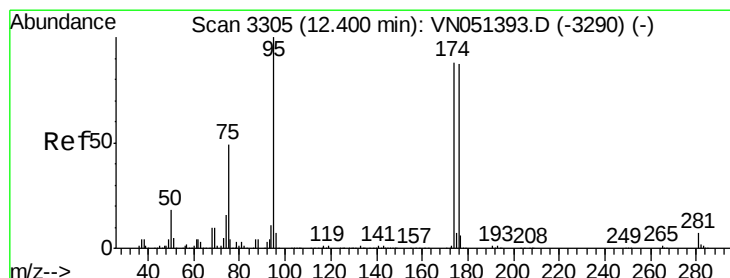
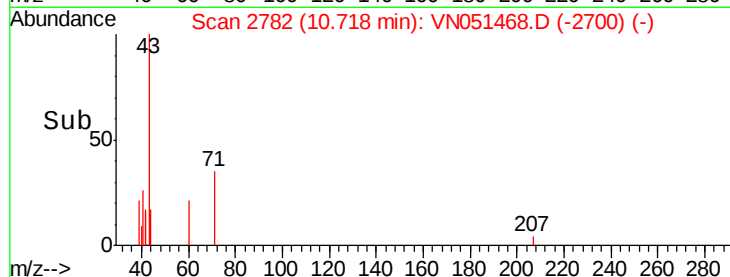
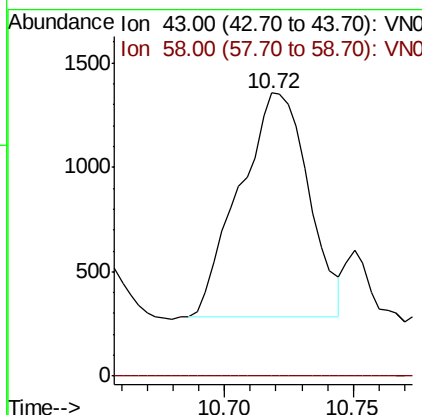
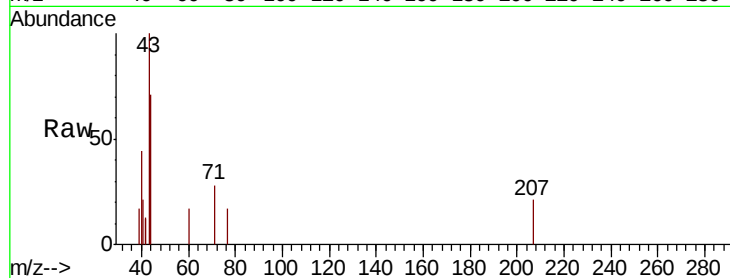




#59
2-Hexanone
Concen: 0.477 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.04 min
Lab File: VN051468.D
Acq: 24 Sep 2018 18:00

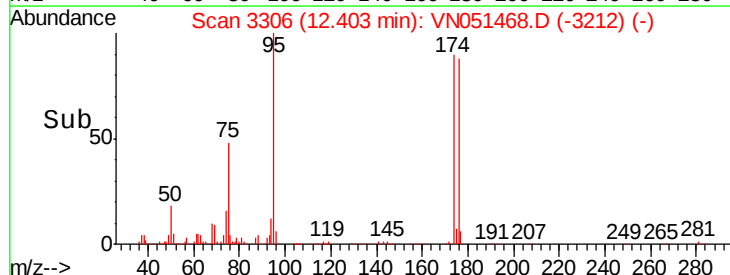
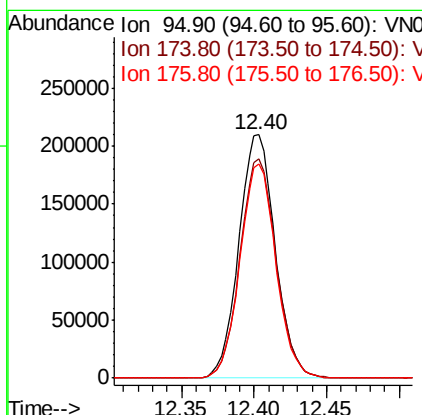
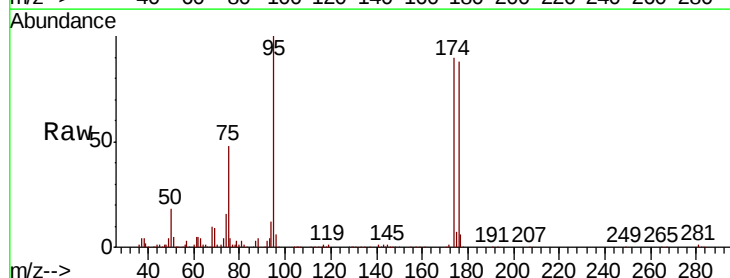
Instrument :
MSVOA_N
ClientSampleId :
230-KV-C

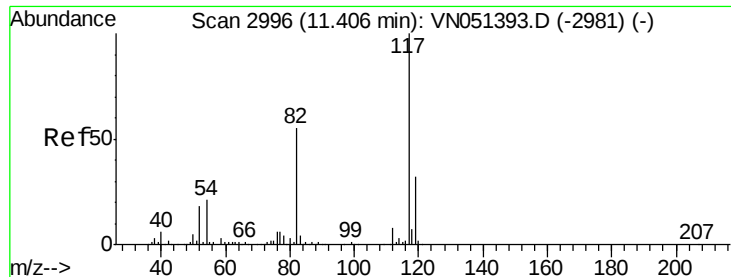
Tot Ion: 43 Resp: 1994
Ion Ratio Lower Upper
43 100
58 0.0 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 38.489 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051468.D
Acq: 24 Sep 2018 18:00

Tgt Ion: 95 Resp: 365377
Ion Ratio Lower Upper
95 100
174 89.8 0.0 181.6
176 87.1 0.0 176.4

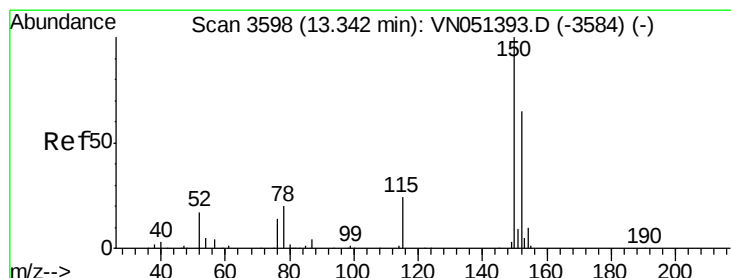
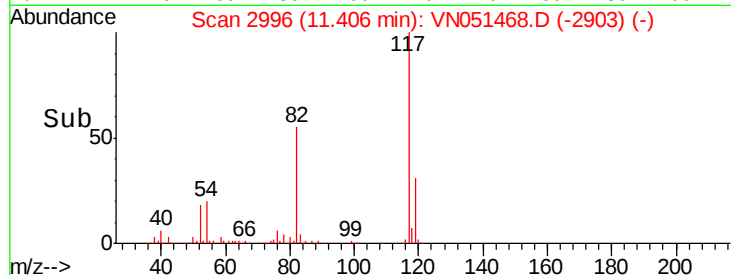
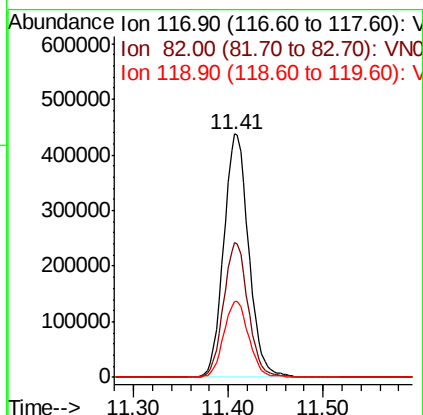
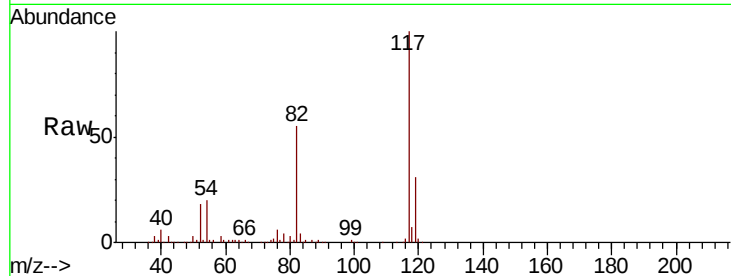




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051468.D
Acq: 24 Sep 2018 18:00

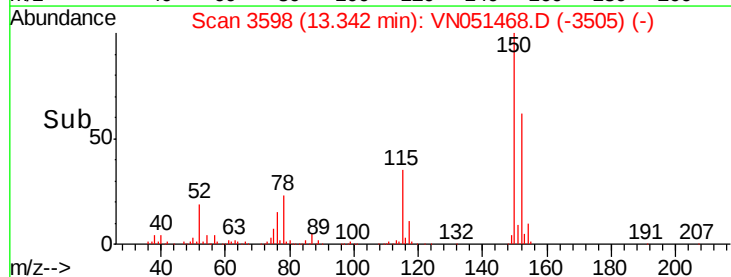
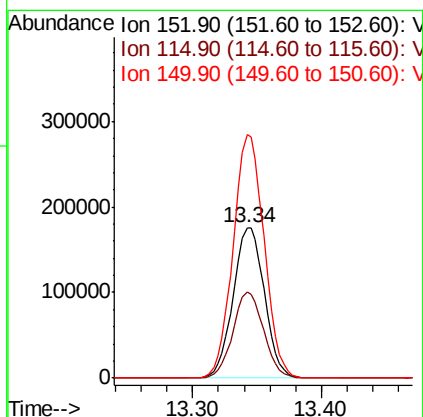
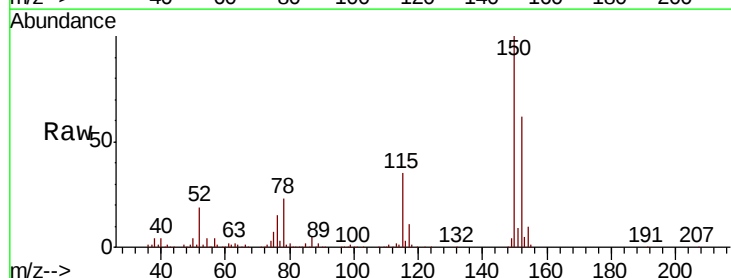
Instrument :
MSVOA_N
ClientSampled :
230-KV-C

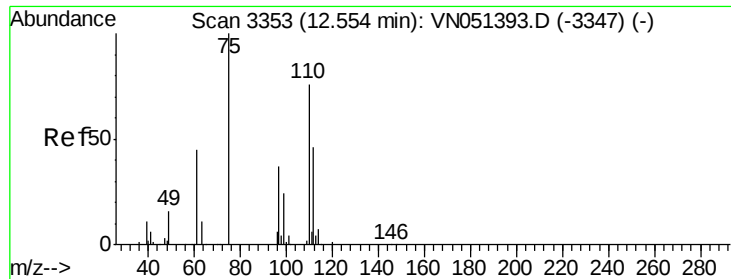
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.2	66.2
119	31.1	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051468.D
Acq: 24 Sep 2018 18:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.3	84.9
150	160.2	0.0	353.6

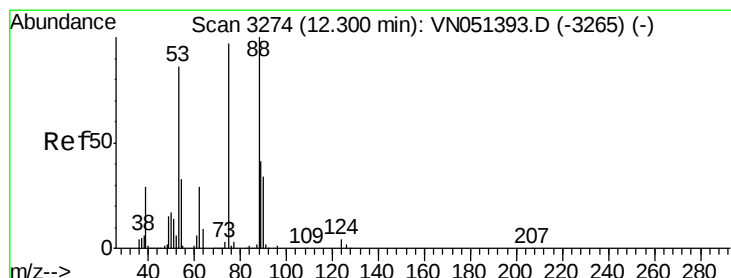
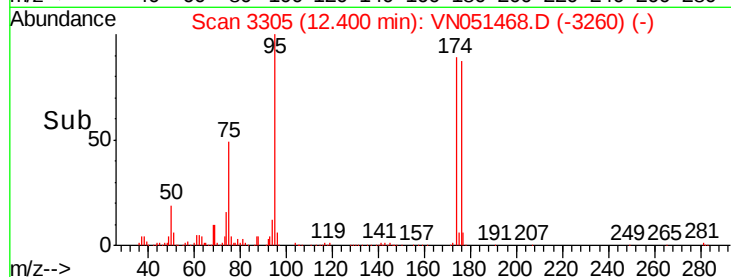
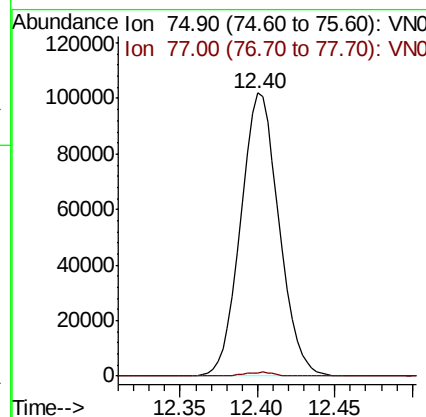
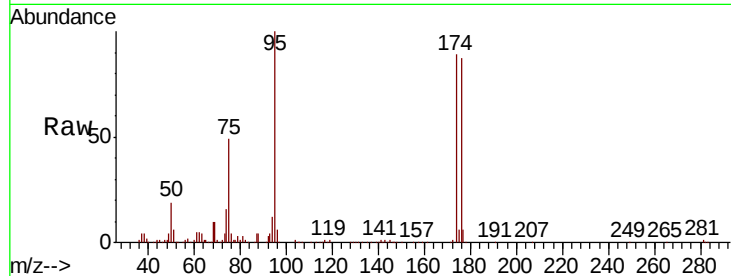




#76
 1,2,3-Trichloropropane
 Concen: 35.703 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN051468.D
 Acq: 24 Sep 2018 18:00

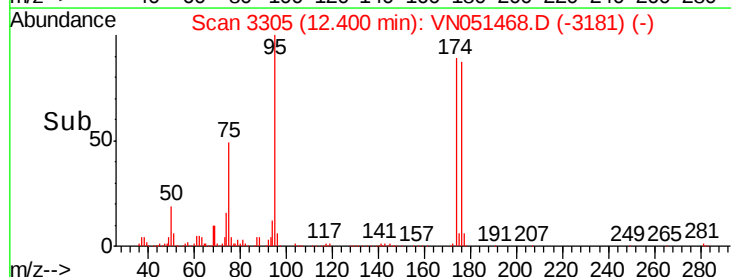
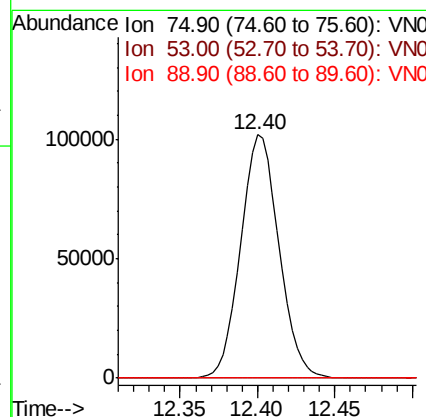
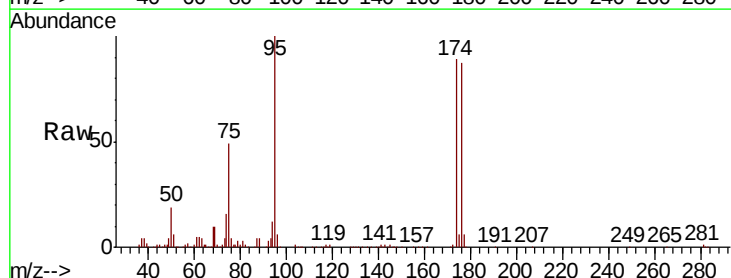
Instrument :
 MSVOA_N
 ClientSampleId :
 230-KV-C

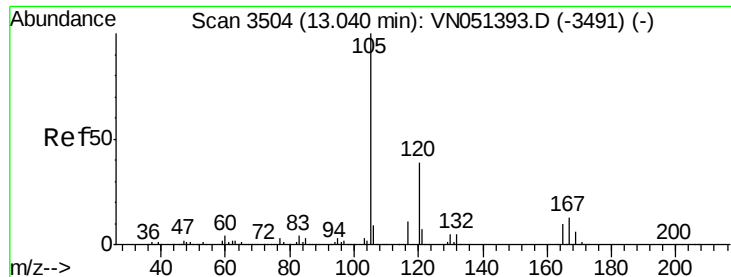
Tot Ion: 75 Resp: 175437
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.785 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN051468.D
 Acq: 24 Sep 2018 18:00

Tgt Ion: 75 Resp: 175437
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.9 110.9#
 89 0.0 36.7 55.1#





#84

1,2,4-Trimethylbenzene

Concen: 0.229 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051468.D

Acq: 24 Sep 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

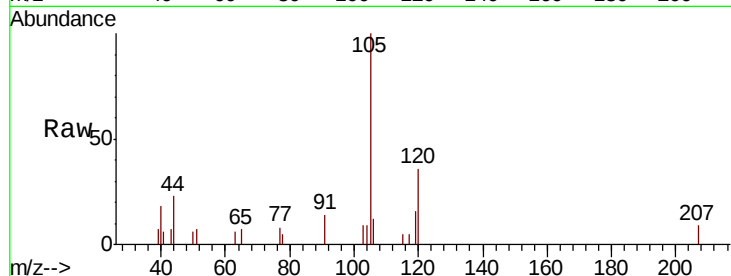
230-KV-C

Tot Ion:105 Resp: 4693

Ion Ratio Lower Upper

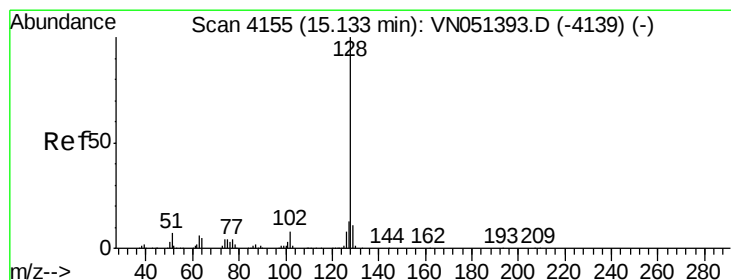
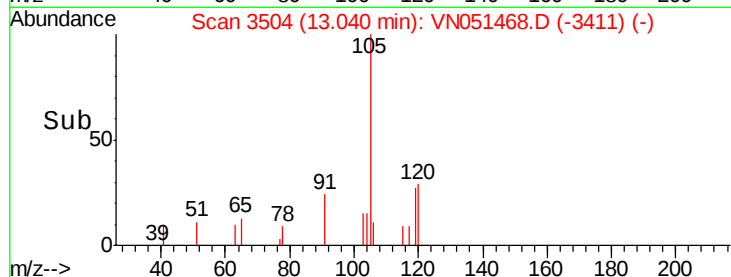
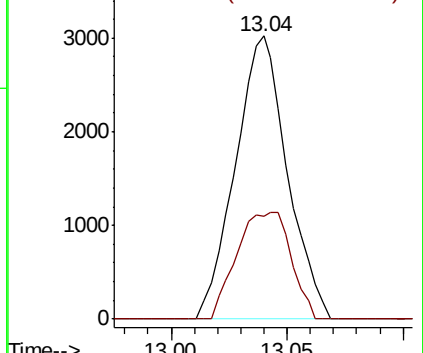
105 100

120 39.3 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 9.451 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051468.D

Acq: 24 Sep 2018 18:00

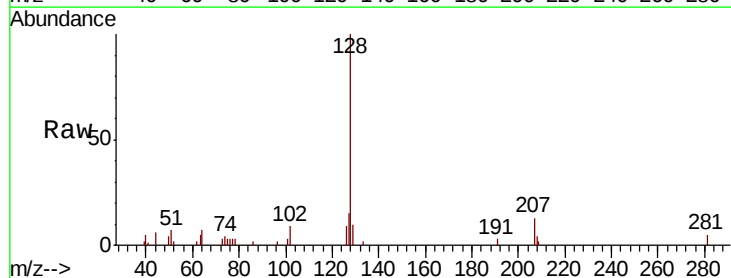
Tgt Ion:128 Resp: 18445

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 10.6 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

