

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060007.D
 Acq On : 14 Sep 2018 13:50
 Operator : JC/SY
 Sample : J4771-01RE
 Misc : 6.19g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-091218RE

Quant Time: Sep 14 15:01:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1215204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	1758694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1313873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	501542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	475507	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	6.30	113	396161	28.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.66%	
50) Toluene-d8	9.44	98	1470132	38.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.22%	
62) 4-Bromofluorobenzene	12.42	95	482512	33.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.34%	

Target Compounds

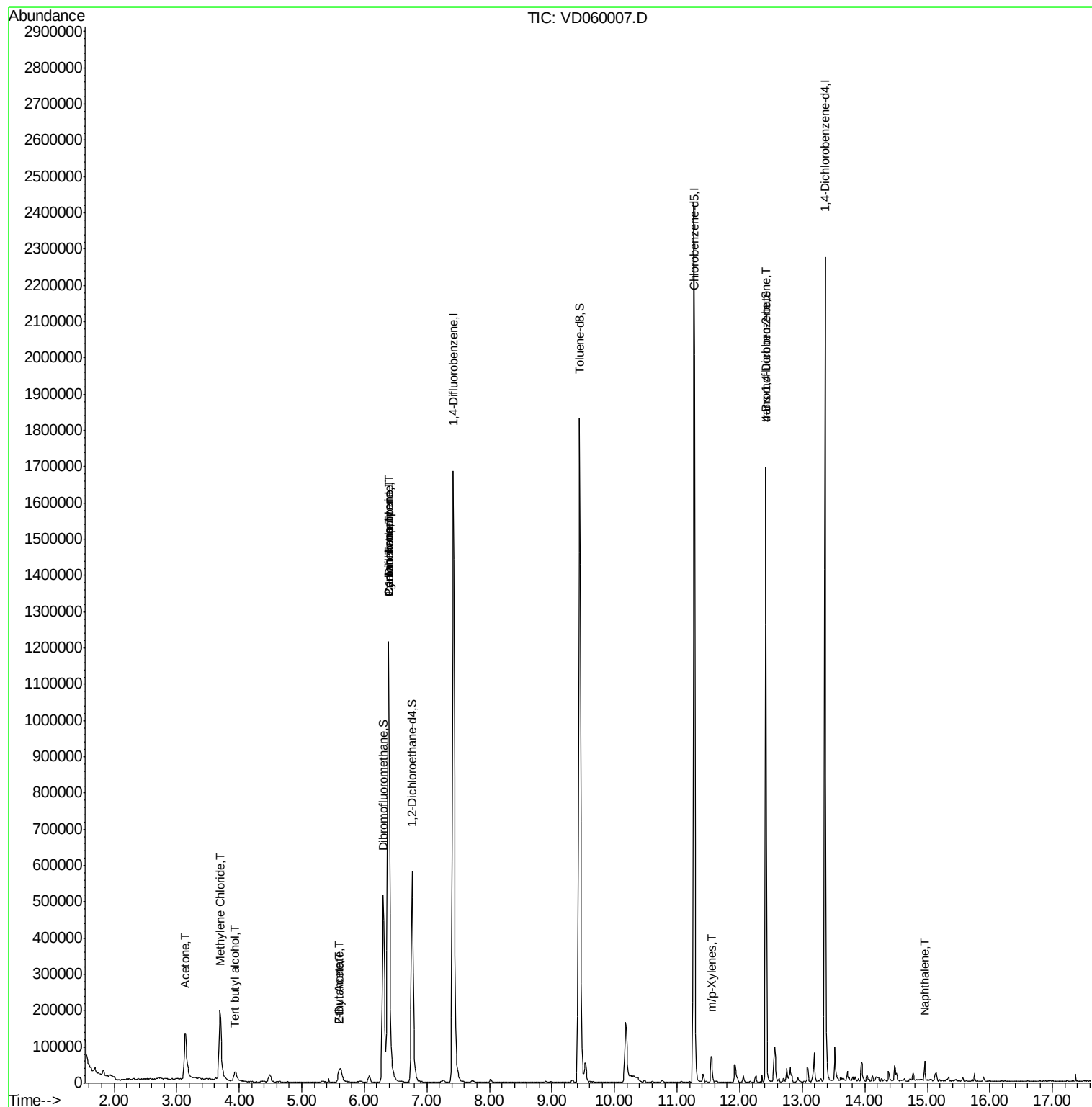
						Qvalue
11) Tert butyl alcohol	3.94	59	54028	70.66	ug/l	96
16) Acetone	3.14	43	258592	141.33	ug/l	98
20) Methylene Chloride	3.69	84	119722	2.32	ug/l	97
25) 2-Butanone	5.59	43	61658	12.49	ug/l	92
31) Cyclohexane	6.38	56	25860	1.23	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	86833	4.97	ug/l #	46
37) Ethyl Acetate	5.59	43	61658	5.13	ug/l #	72
38) Carbon Tetrachloride	6.39	117	95231	5.84	ug/l #	15
51) 4-Methyl-2-Pentanone	9.33	43	7302	Below	Cal	100
59) 2-Hexanone	10.48	43	6051	Below	Cal	77
68) m/p-Xylenes	11.55	106	21528	1.28	ug/l	86
81) trans-1,4-Dichloro-2-buten	12.42	75	199677	86.36	ug/l #	15
89) n-Butylbenzene	13.64	91	2867	Below	Cal	96
91) 1,2-Dichlorobenzene	13.65	146	1301	Below	Cal	83
95) Naphthalene	14.96	128	33445	1.84	ug/l	98

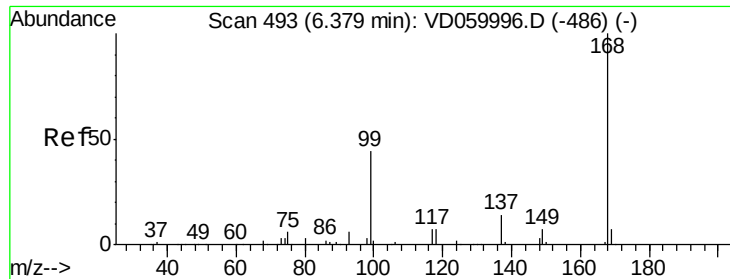
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091418\
Data File : VD060007.D
Acq On : 14 Sep 2018 13:50
Operator : JC/SY
Sample : J4771-01RE
Misc : 6.19g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NB-08-091218RE

Quant Time: Sep 14 15:01:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Instrument :

MSVOA_D

ClientSampleId :

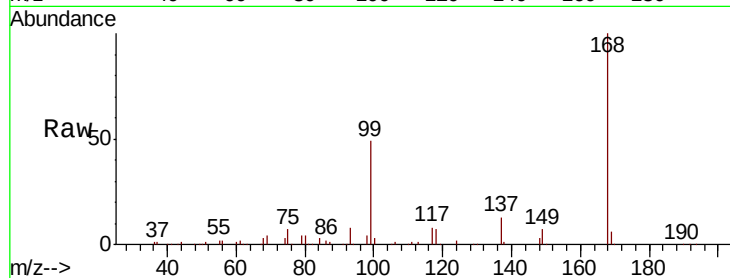
NB-08-091218RE

Tot Ion:168 Resp: 1215204

Ion Ratio Lower Upper

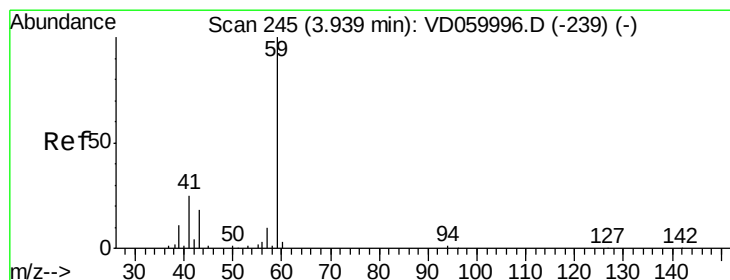
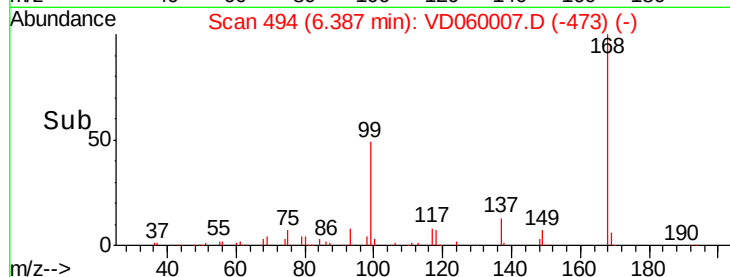
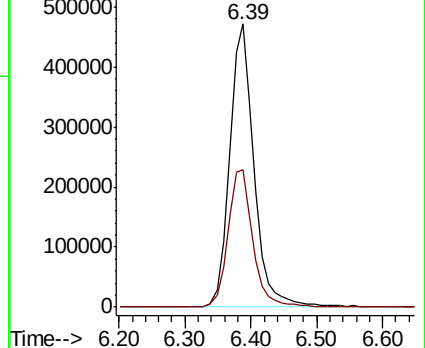
168 100

99 48.7 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 70.66 ug/l

RT: 3.94 min Scan# 245

Delta R.T. -0.00 min

Lab File: VD060007.D

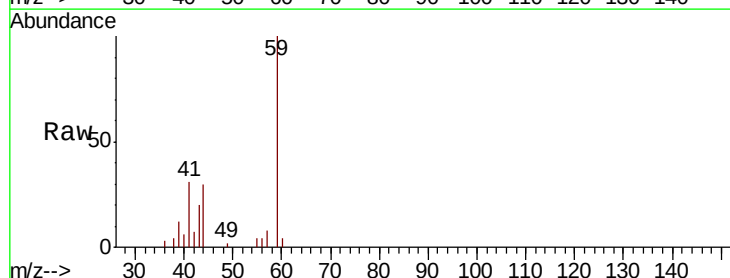
Acq: 14 Sep 2018 13:50

Tgt Ion: 59 Resp: 54028

Ion Ratio Lower Upper

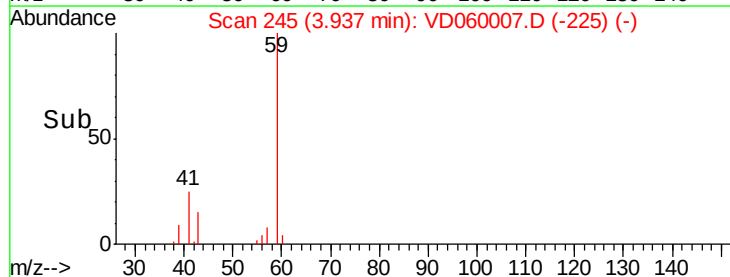
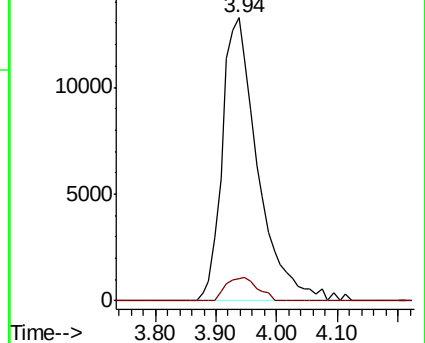
59 100

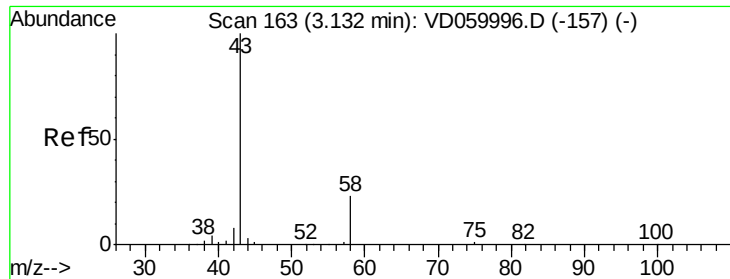
57 7.9 7.4 11.2



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 141.33 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Instrument :

MSVOA_D

ClientSampleId :

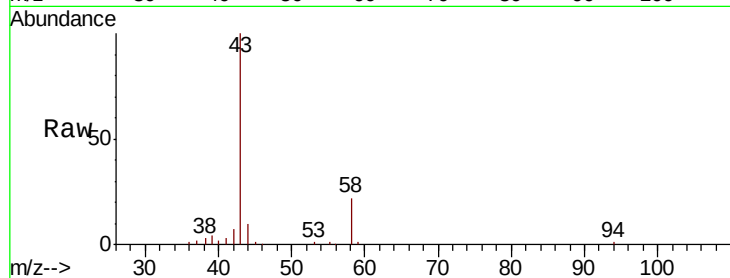
NB-08-091218RE

Tot Ion: 43 Resp: 258592

Ion Ratio Lower Upper

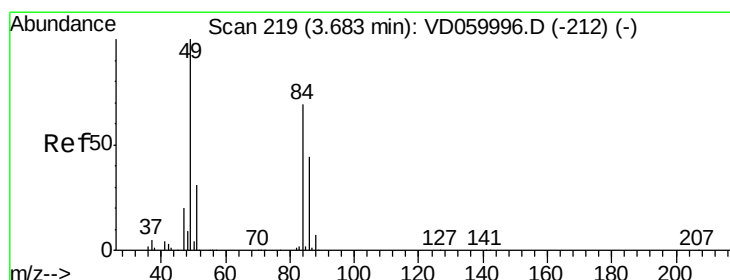
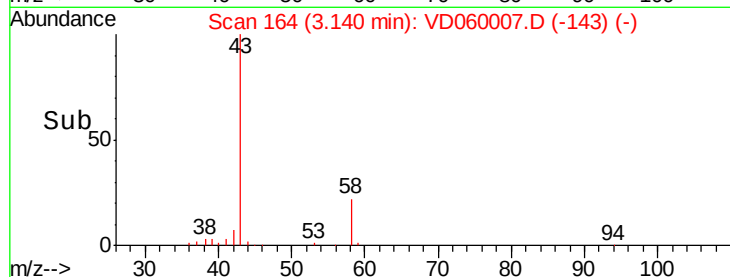
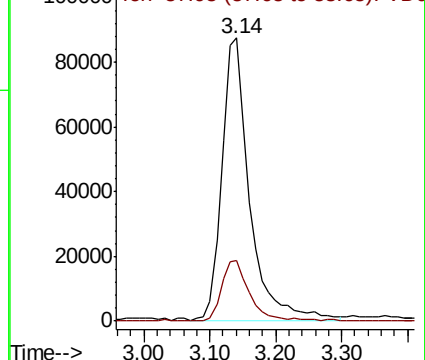
43 100

58 21.5 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.32 ug/l

RT: 3.69 min Scan# 220

Delta R.T. 0.01 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Tgt Ion: 84 Resp: 119722

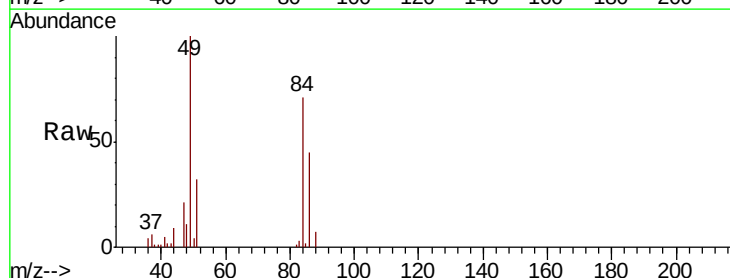
Ion Ratio Lower Upper

84 100

49 140.6 116.6 175.0

51 45.2 35.9 53.9

86 63.0 51.8 77.6

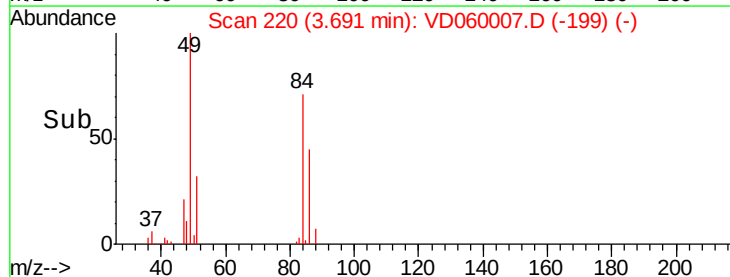
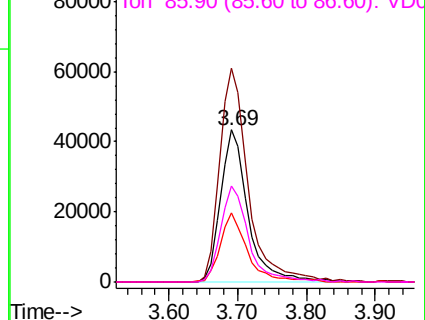


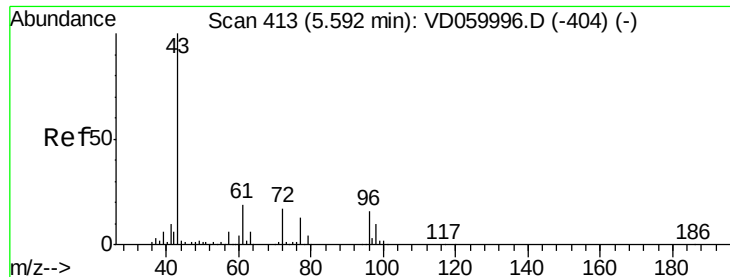
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 12.49 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Instrument :

MSVOA_D

ClientSampleId :

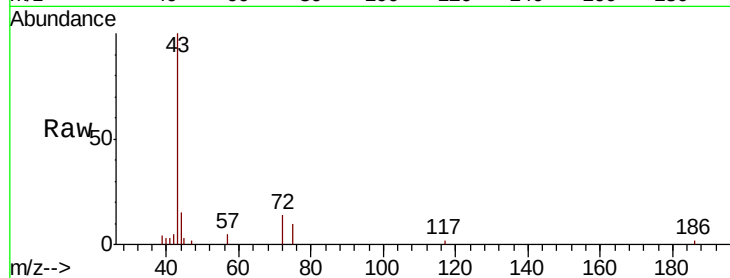
NB-08-091218RE

Tot Ion: 43 Resp: 61658

Ion Ratio Lower Upper

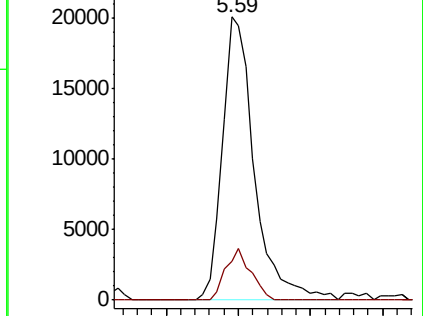
43 100

72 13.6 13.6 20.4

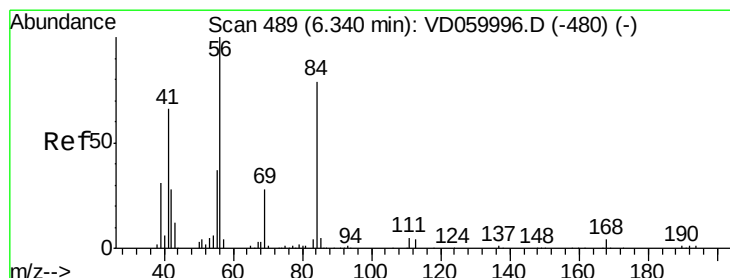
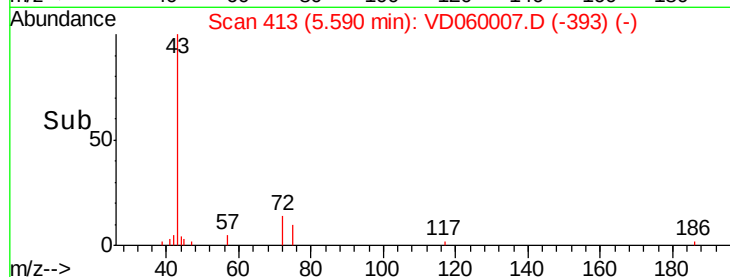


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#31

Cyclohexane

Concen: 1.23 ug/l

RT: 6.38 min Scan# 493

Delta R.T. 0.04 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

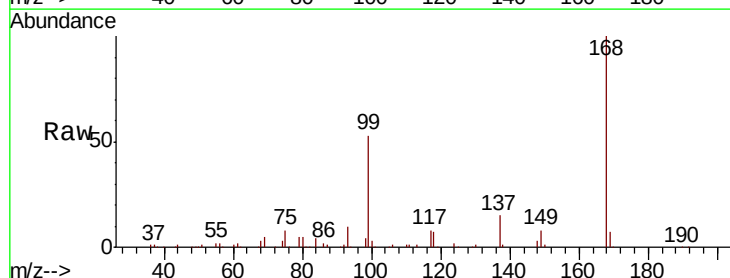
Tgt Ion: 56 Resp: 25860

Ion Ratio Lower Upper

56 100

69 214.6 22.7 34.1#

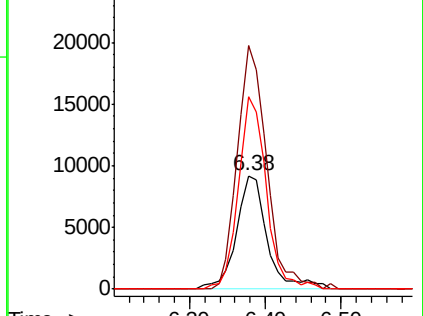
84 169.3 64.0 96.0#



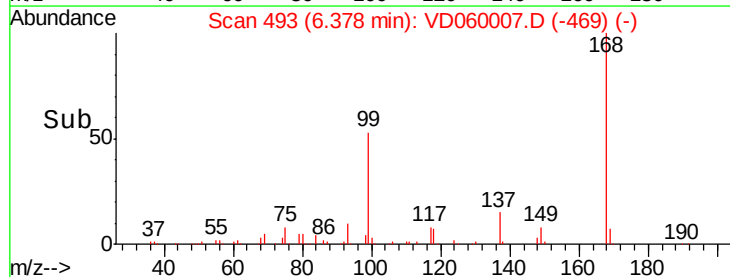
Abundance Ion 55.95 (55.65 to 56.65): VDC

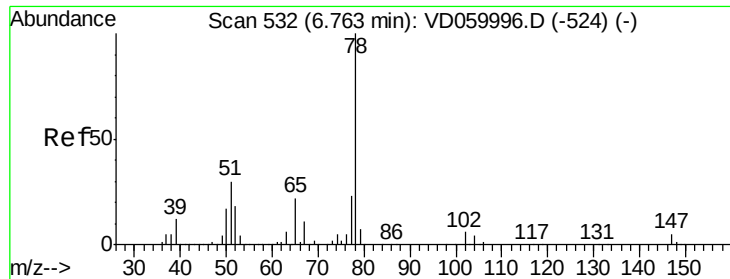
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



Time-->

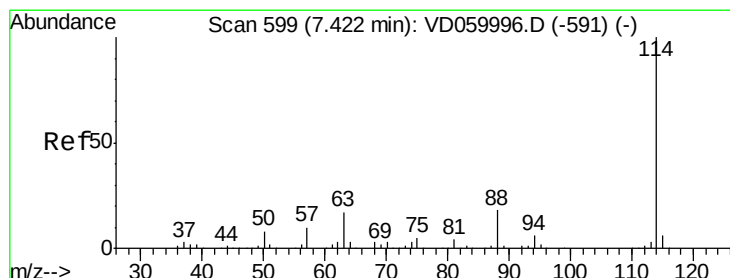
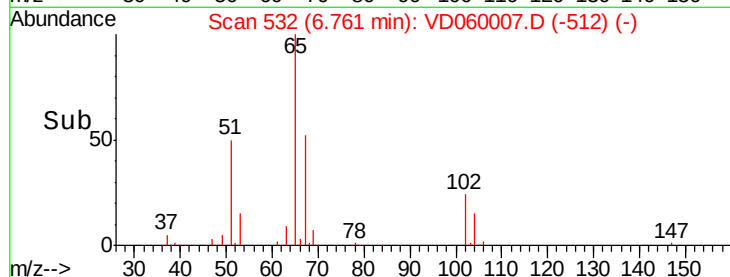
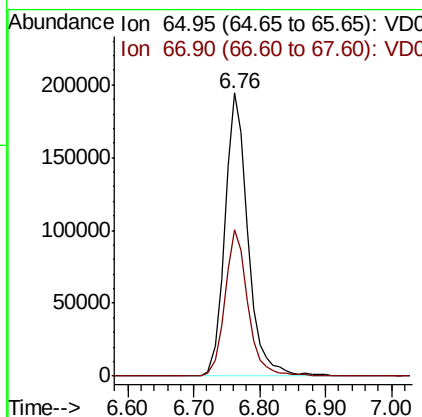
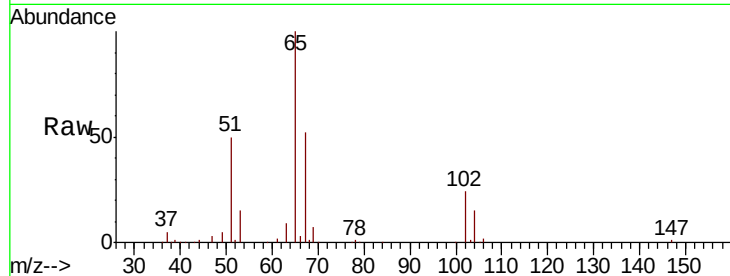




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VD060007.D
 Acq: 14 Sep 2018 13:50

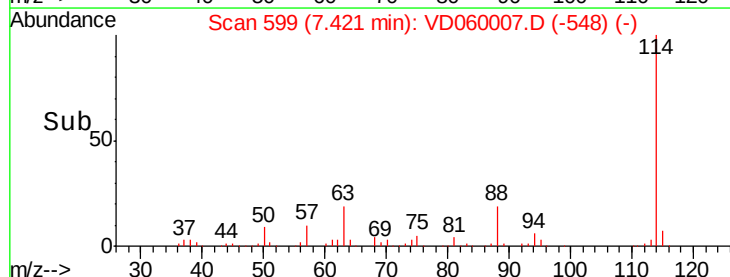
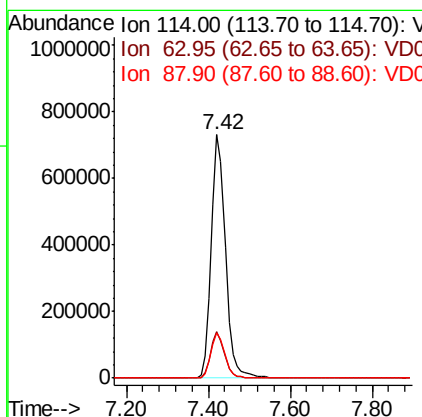
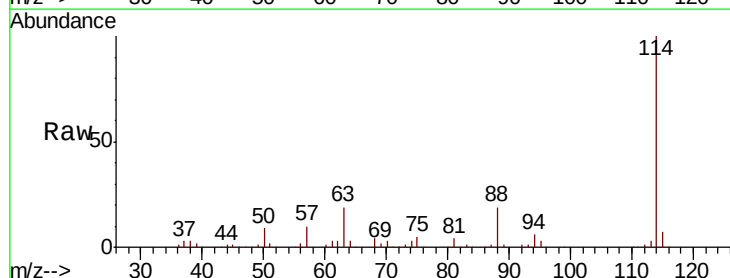
Instrument :
 MSVOA_D
 ClientSampleId :
 NB-08-091218RE

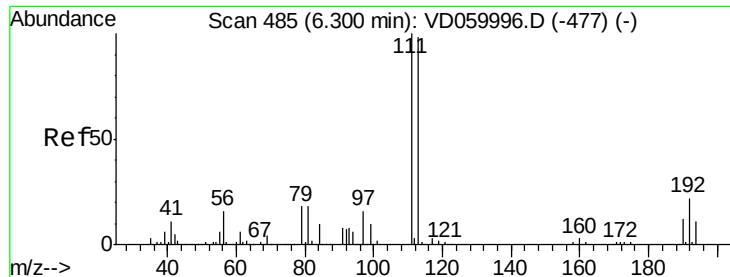
Tot Ion: 65 Resp: 475507
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD060007.D
 Acq: 14 Sep 2018 13:50

Tgt Ion: 114 Resp: 1758694
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 34.4
 88 18.8 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Instrument :

MSVOA_D

ClientSampleId :

NB-08-091218RE

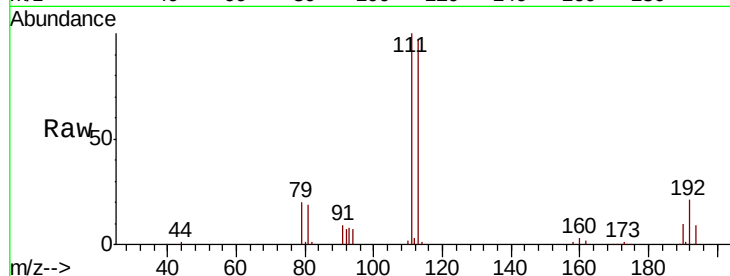
Tot Ion:113 Resp: 396161

Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

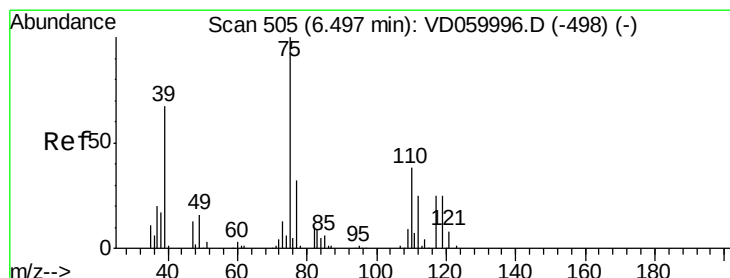
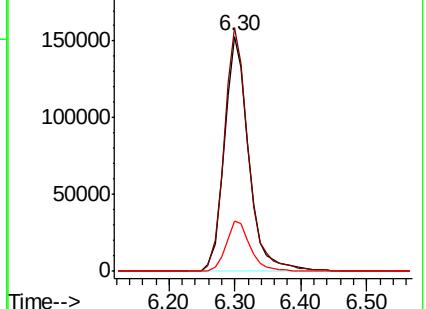
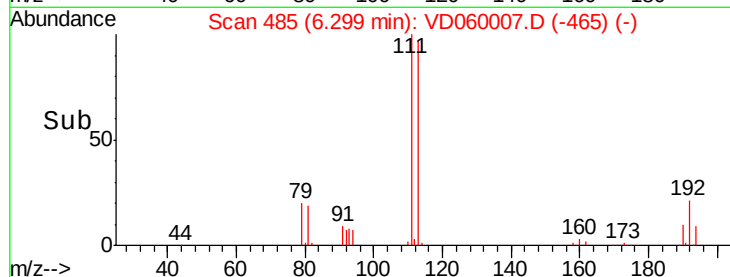
192 21.3 18.1 27.1



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 4.97 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.12 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

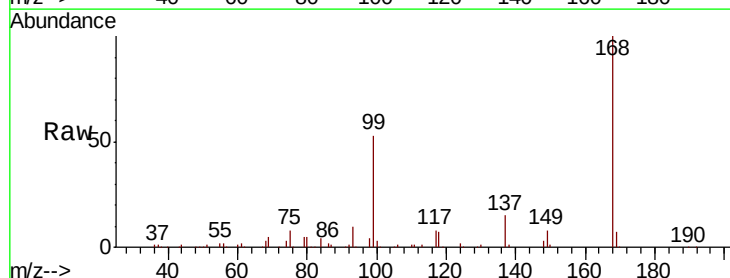
Tgt Ion: 75 Resp: 86833

Ion Ratio Lower Upper

75 100

110 6.9 18.9 56.9#

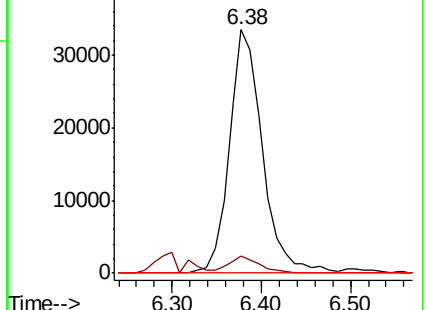
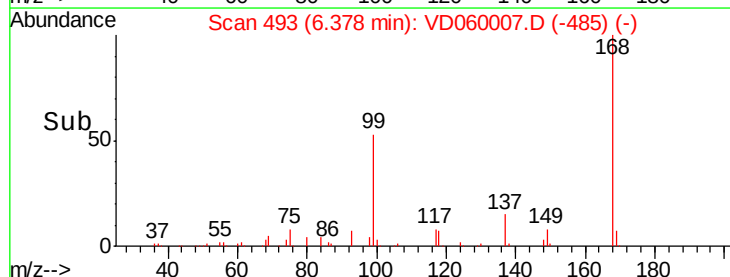
77 0.0 25.3 37.9#

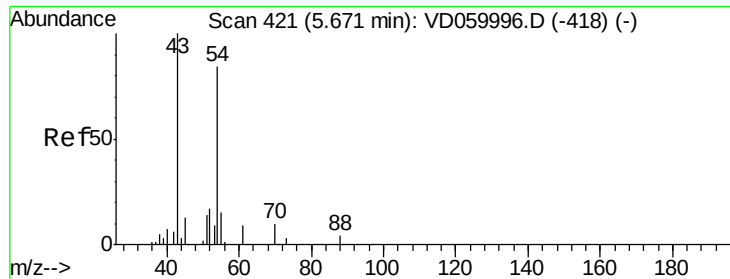


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 5.13 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.08 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Instrument :

MSVOA_D

ClientSampleId :

NB-08-091218RE

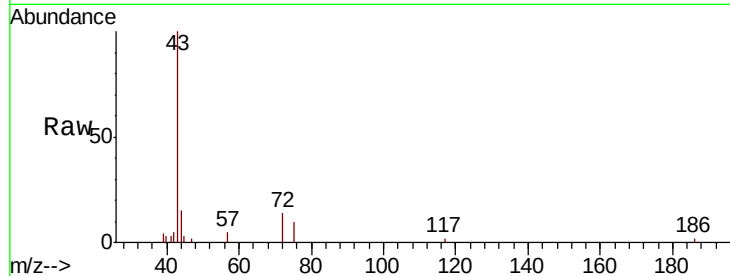
Tot Ion: 43 Resp: 61658

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

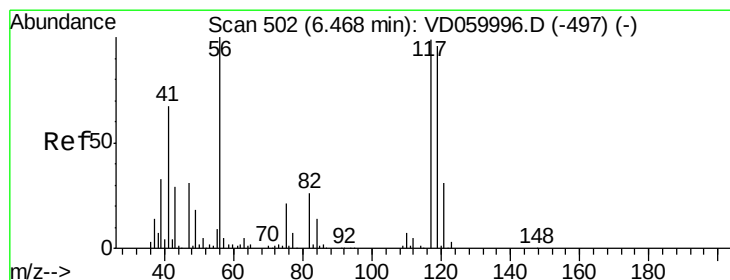
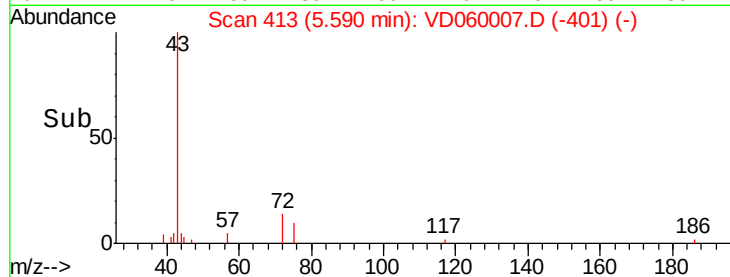
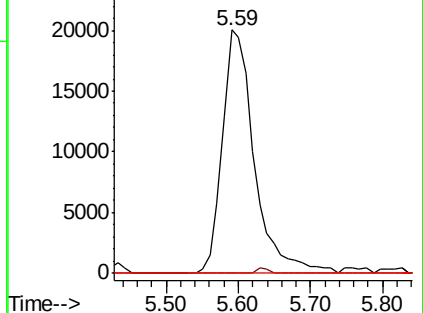
70 0.0 6.1 9.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.84 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.08 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

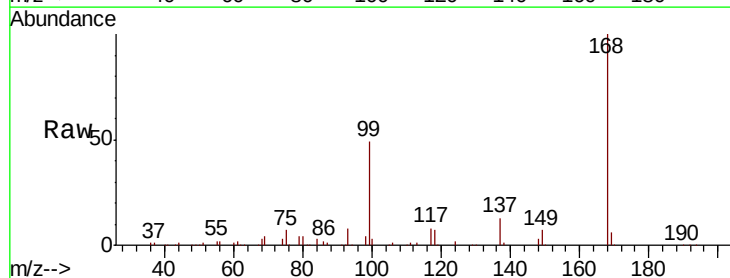
Tgt Ion: 117 Resp: 95231

Ion Ratio Lower Upper

117 100

119 4.4 76.7 115.1#

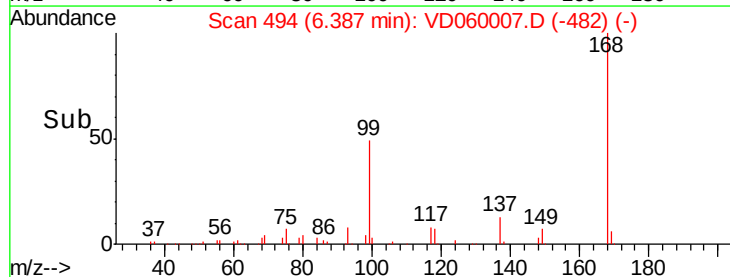
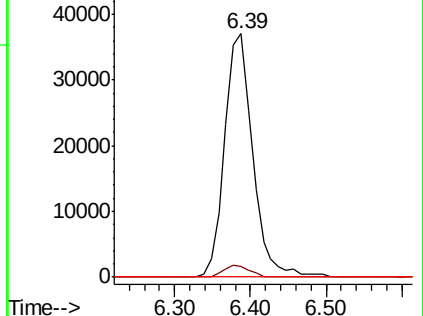
121 0.0 24.9 37.3#

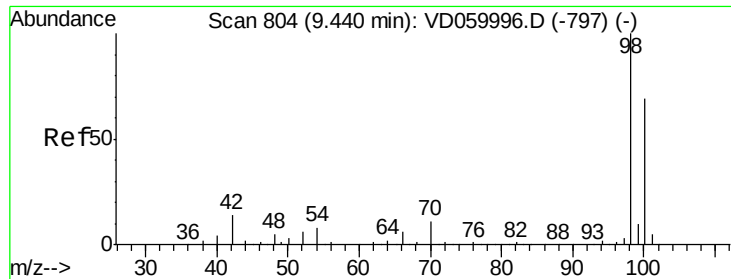


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

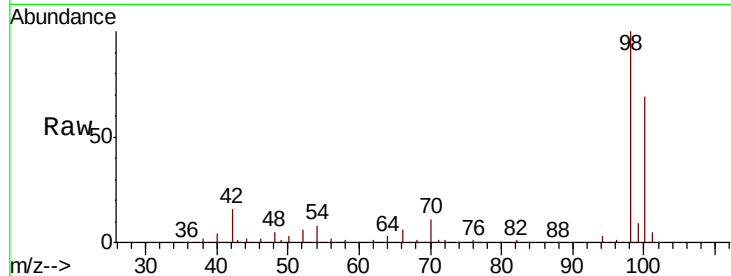




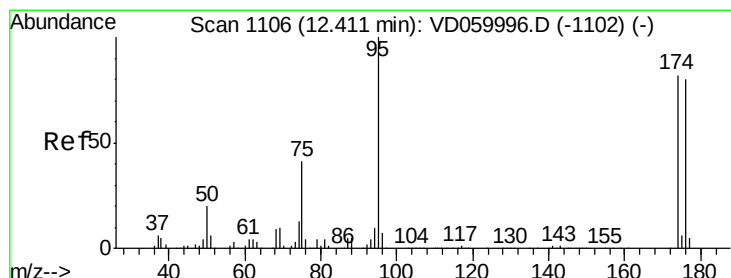
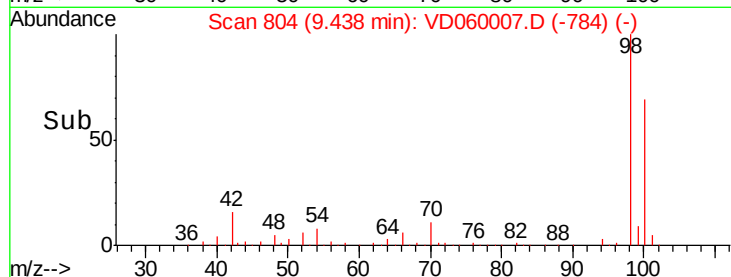
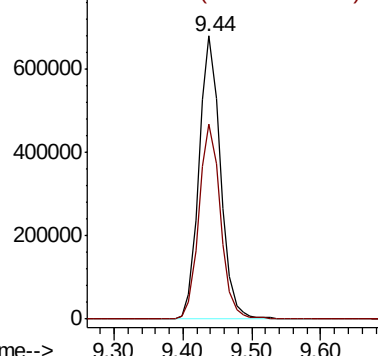
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060007.D
Acq: 14 Sep 2018 13:50

Instrument :
MSVOA_D
ClientSampleId :
NB-08-091218RE

Tot Ion: 98 Resp: 1470132
Ion Ratio Lower Upper
98 100
100 68.9 55.8 83.6

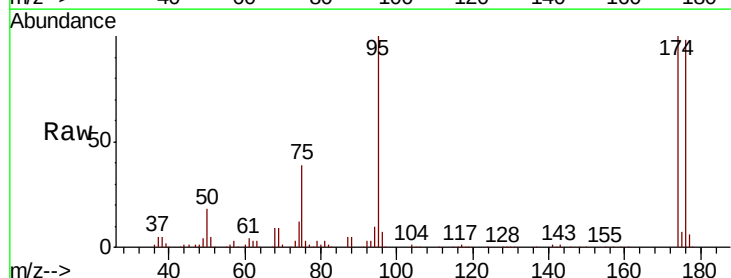


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

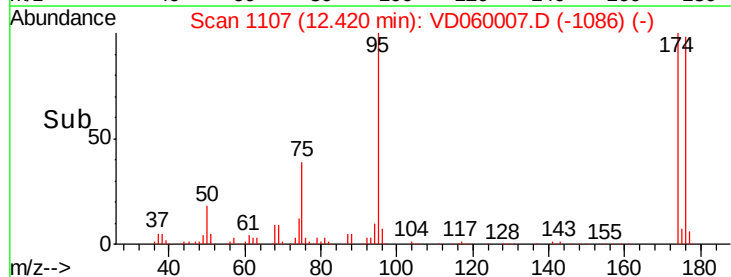
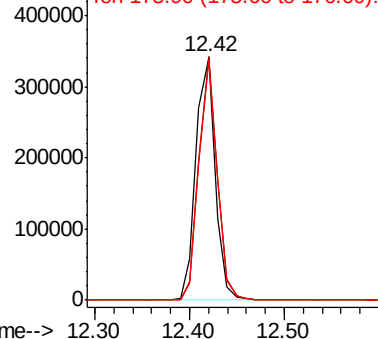


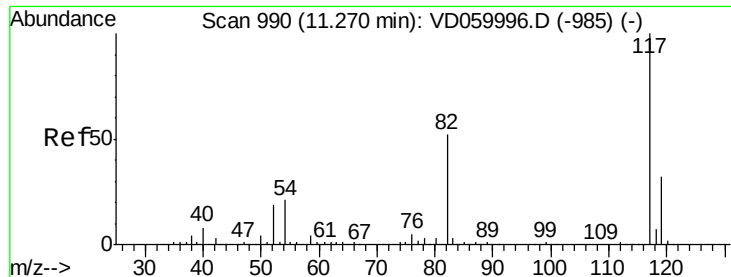
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD060007.D
Acq: 14 Sep 2018 13:50

Tgt Ion: 95 Resp: 482512
Ion Ratio Lower Upper
95 100
174 100.5 0.0 165.0
176 98.9 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

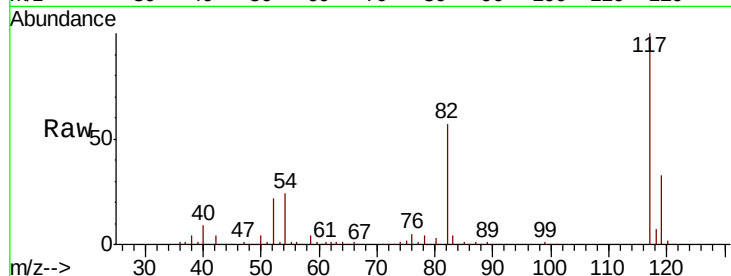




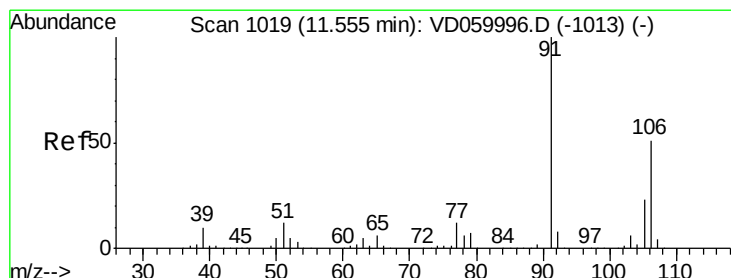
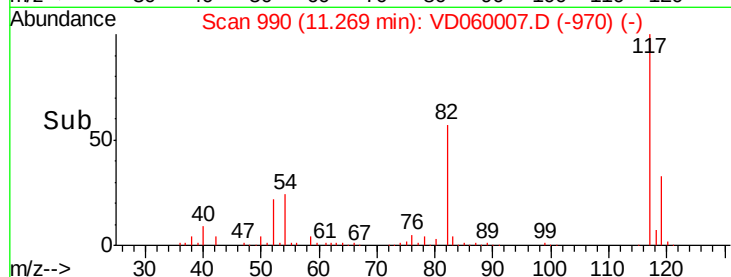
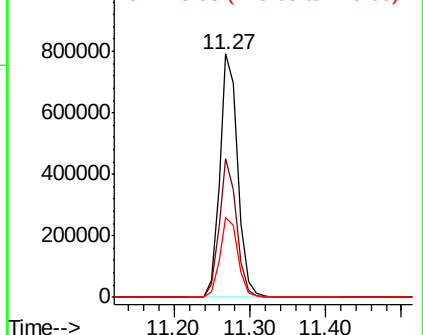
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.00 min
Lab File: VD060007.D
Acq: 14 Sep 2018 13:50

Instrument :
MSVOA_D
ClientSampleId :
NB-08-091218RE

Tot Ion:117 Resp: 1313873
Ion Ratio Lower Upper
117 100
82 56.7 41.7 62.5
119 32.7 26.0 39.0

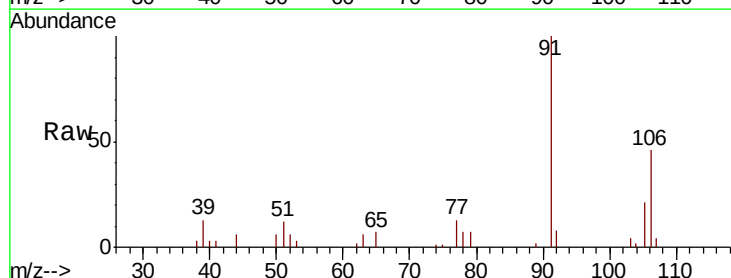


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

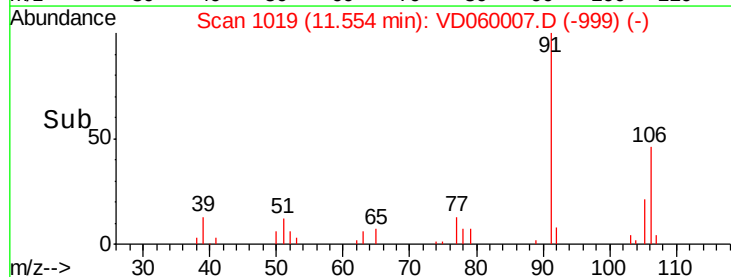
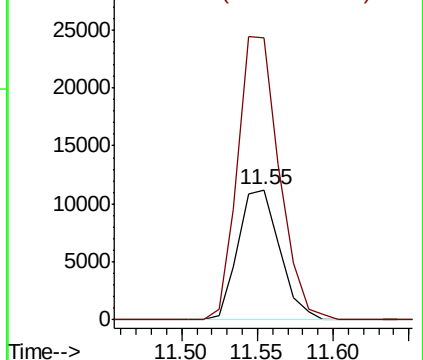


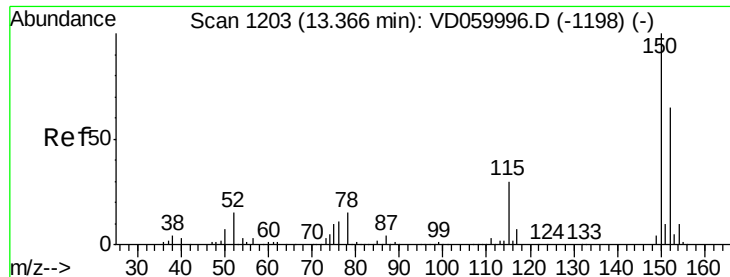
#68
m/p-Xylenes
Concen: 1.28 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060007.D
Acq: 14 Sep 2018 13:50

Tgt Ion:106 Resp: 21528
Ion Ratio Lower Upper
106 100
91 216.7 157.0 235.6



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

Instrument :

MSVOA_D

ClientSampleId :

NB-08-091218RE

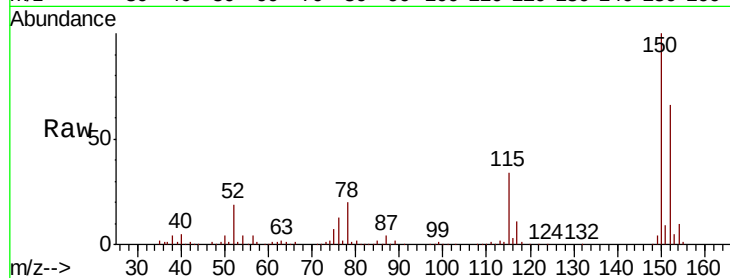
Tot Ion:152 Resp: 501542

Ion Ratio Lower Upper

152 100

115 51.0 24.6 73.8

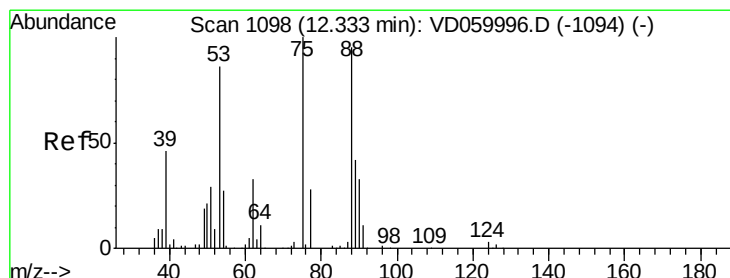
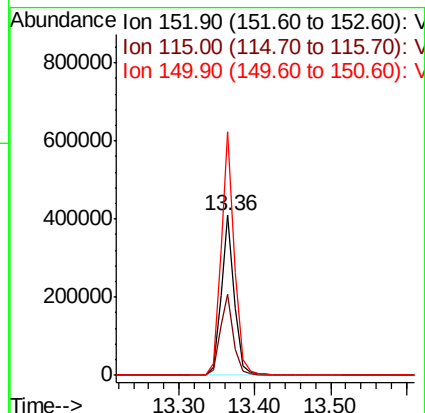
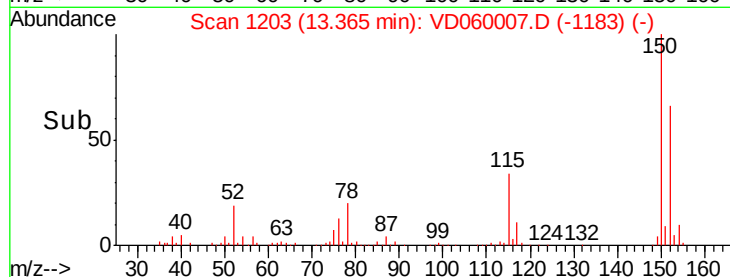
150 152.0 0.0 313.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 86.36 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060007.D

Acq: 14 Sep 2018 13:50

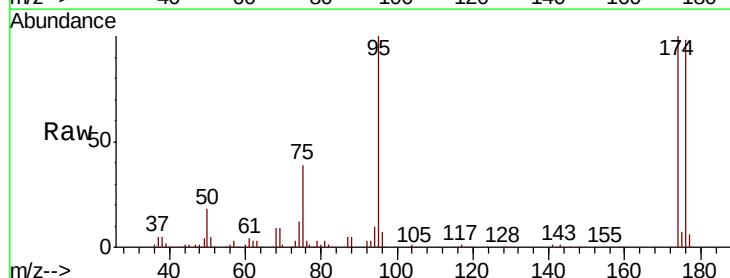
Tgt Ion: 75 Resp: 199677

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

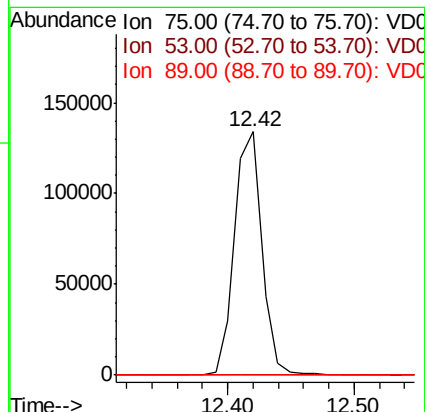
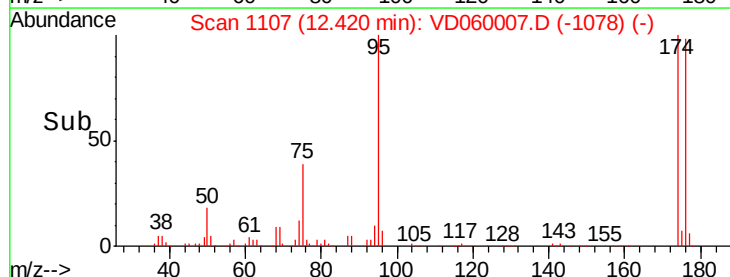
89 0.0 33.8 50.6#

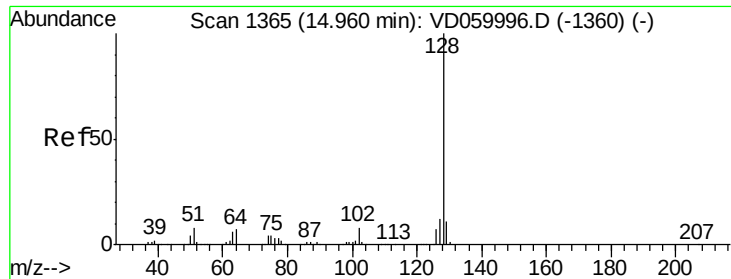


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

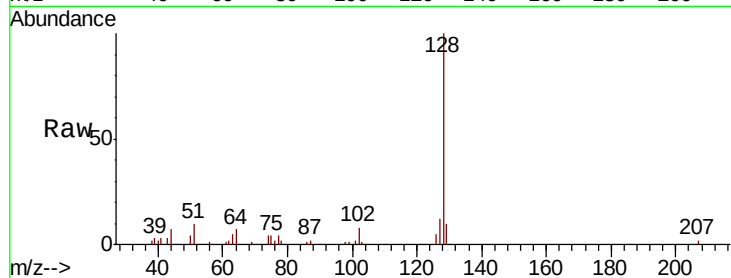




#95
Naphthalene
Concen: 1.84 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060007.D
Acq: 14 Sep 2018 13:50

Instrument :
MSVOA_D
ClientSampleId :
NB-08-091218RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.7	14.5
129	10.0	8.9	13.3



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

