

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051402.D
 Acq On : 23 Sep 2018 10:42
 Operator : MD\SY
 Sample : VN0922WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBL01

Quant Time: Sep 24 06:43:52 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	679756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1008601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	876059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	318732	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	442918	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
35) Dibromofluoromethane	7.59	113	398176	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	10.09	98	1455371	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.40	95	398543	40.56	ug/l	0.00
Spiked Amount			Recovery	=	81.12%	

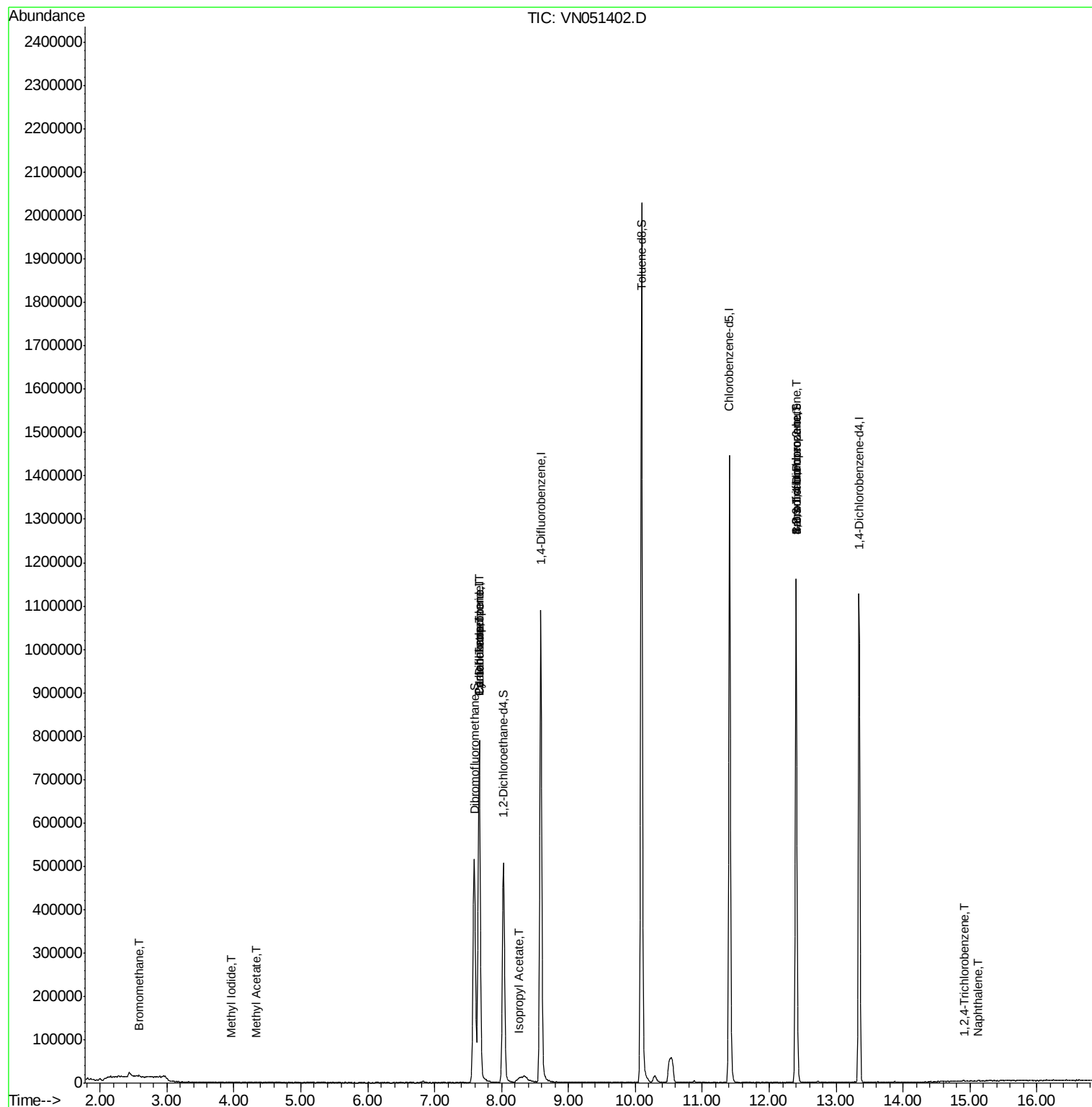
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	1620	0.301	ug/l	83
10) Methyl Iodide	3.96	142	170	0.292	ug/l #	42
16) Acetone	3.82	43	212	Below Cal	#	43
18) Methyl Acetate	4.34	43	2358	0.364	ug/l #	70
31) Cyclohexane	7.66	56	11758	0.877	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47955	4.106	ug/l #	47
38) Carbon Tetrachloride	7.67	117	62672	5.130	ug/l #	17
43) Isopropyl Acetate	8.27	43	9904	0.816	ug/l #	60
71) Bromoform	12.40	173	4291	0.738	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	193084	36.492	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	193084	112.210	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	783	6.094	ug/l #	89
95) Naphthalene	15.13	128	1370	8.141	ug/l #	87

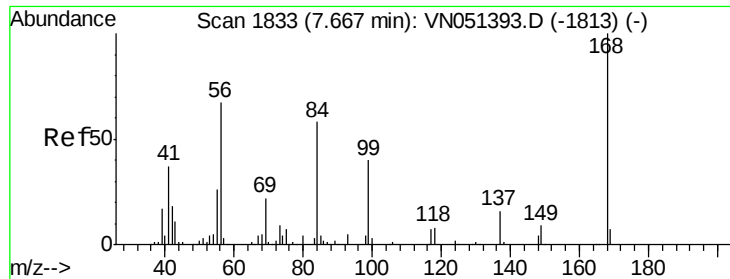
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051402.D

Acq: 23 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

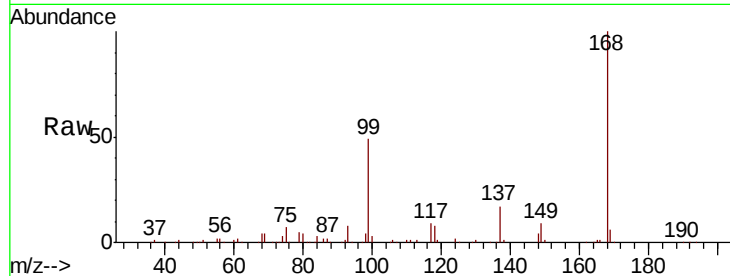
VN0923WBL01

Tgt Ion:168 Resp: 679756

Ion Ratio Lower Upper

168 100

99 49.1 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

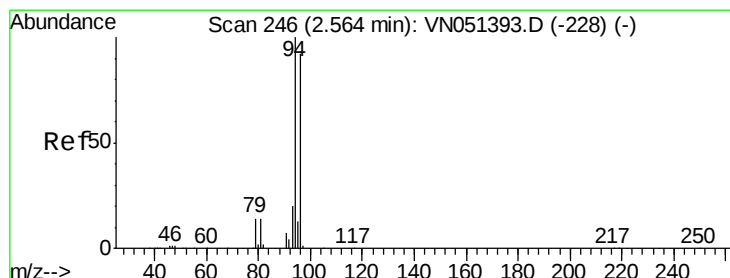
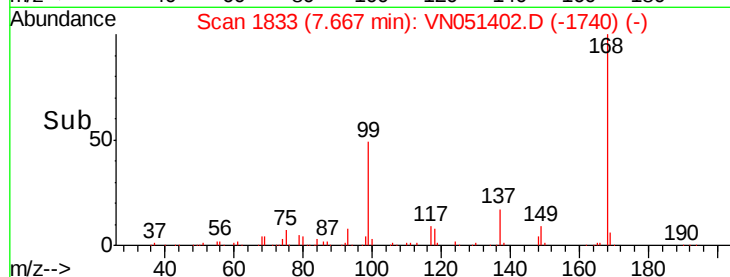
300000

200000

100000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#5

Bromomethane

Concen: 0.301 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN051402.D

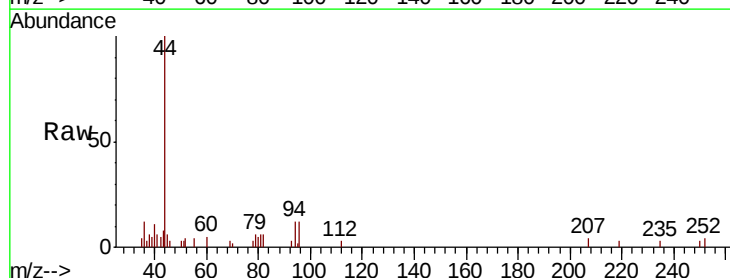
Acq: 23 Sep 2018 10:42

Tgt Ion: 94 Resp: 1620

Ion Ratio Lower Upper

94 100

96 75.7 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) (-)

2.58

1000

800

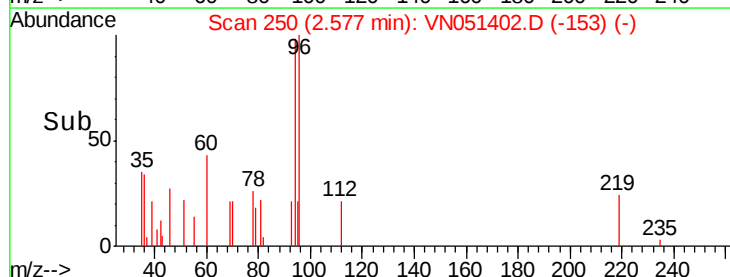
600

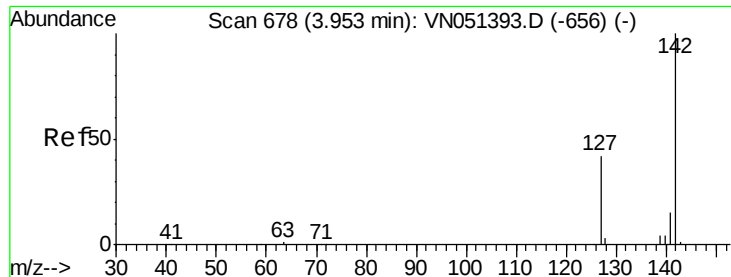
400

200

0

Time--> 2.55 2.60

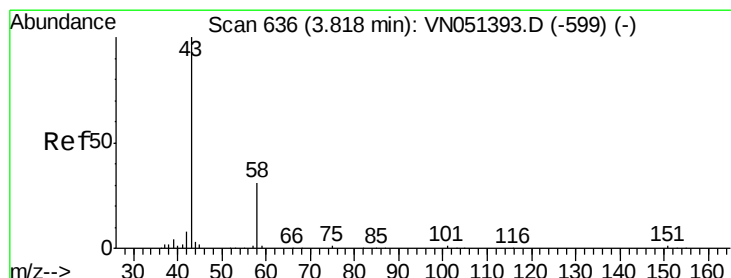
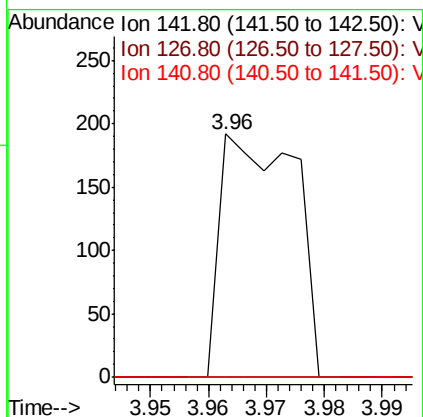
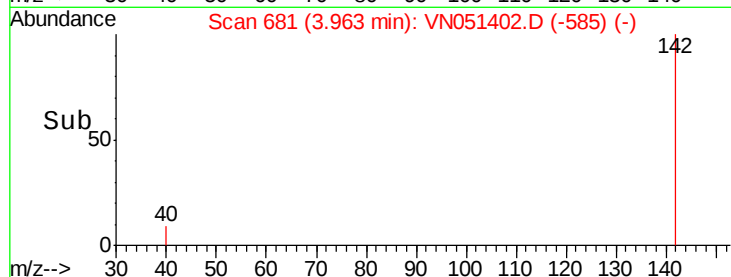
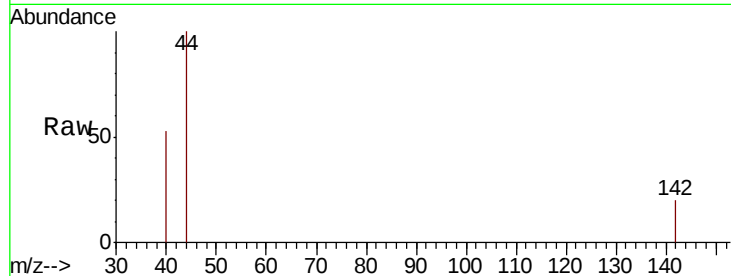




#10
Methyl Iodide
Concen: 0.292 ug/l
RT: 3.96 min Scan# 681
Delta R.T. 0.01 min
Lab File: VN051402.D
Acq: 23 Sep 2018 10:42

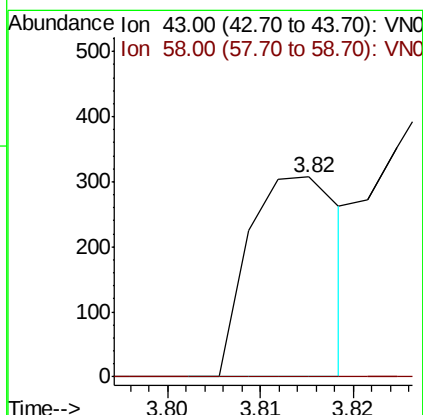
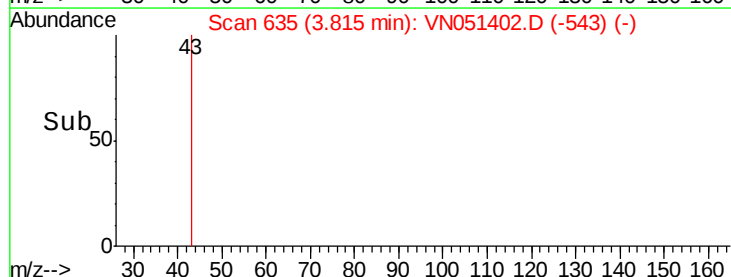
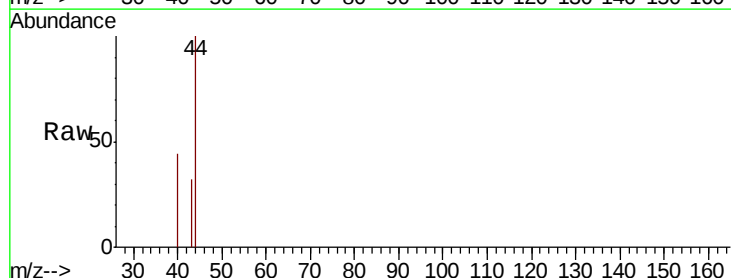
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBL01

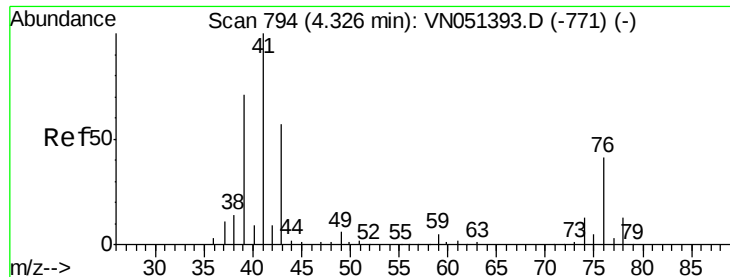
Tgt Ion: 142 Resp: 170
Ion Ratio Lower Upper
142 100
127 0.0 33.2 49.8#
141 0.0 11.5 17.3#



#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN051402.D
Acq: 23 Sep 2018 10:42

Tgt Ion: 43 Resp: 212
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.4#

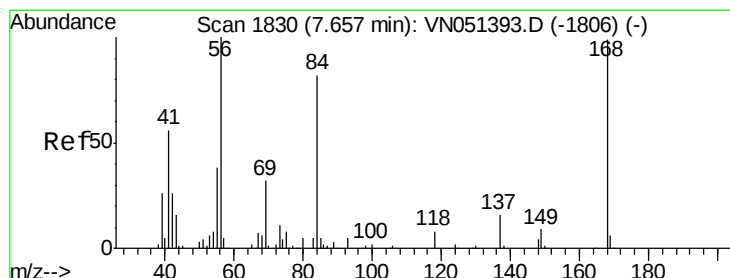
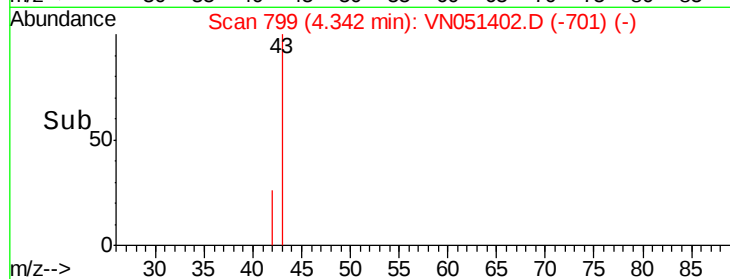
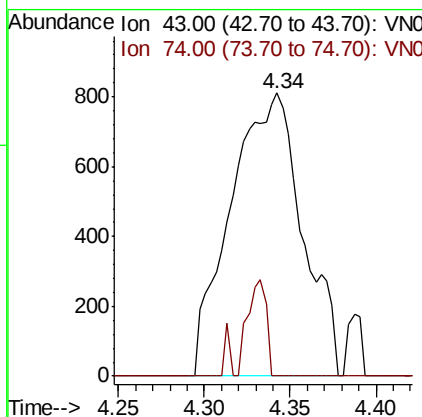
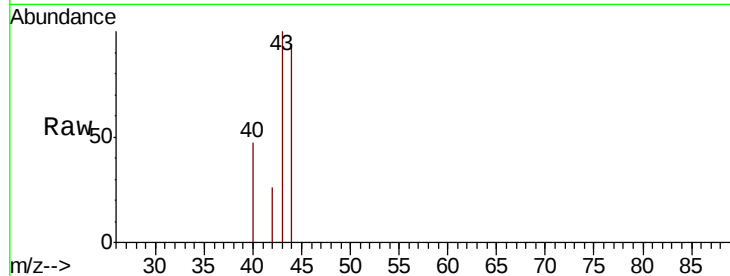




#18
Methyl Acetate
Concen: 0.364 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN051402.D
Acq: 23 Sep 2018 10:42

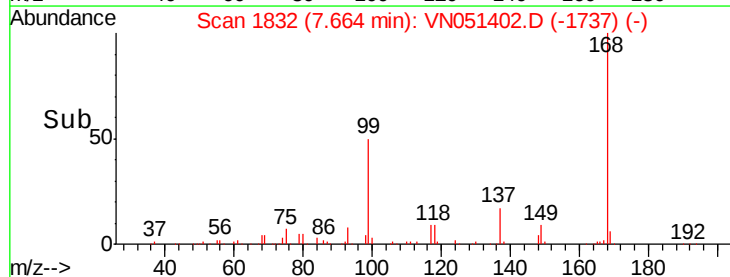
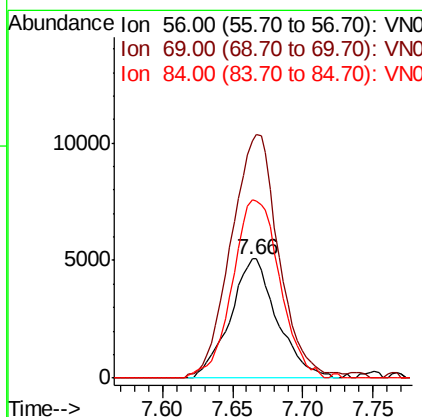
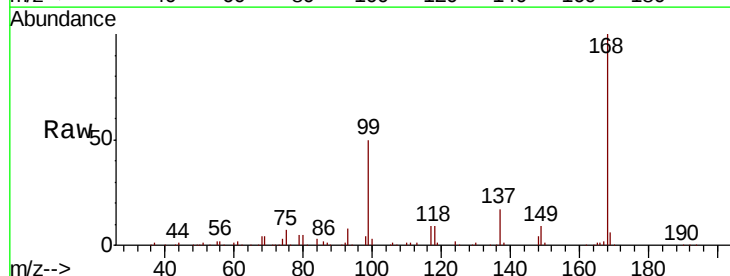
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBL01

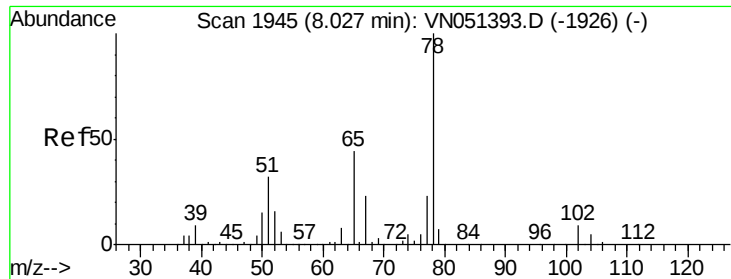
Tgt Ion: 43 Resp: 2358
Ion Ratio Lower Upper
43 100
74 8.8 18.8 28.2#



#31
Cyclohexane
Concen: 0.877 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051402.D
Acq: 23 Sep 2018 10:42

Tgt Ion: 56 Resp: 11758
Ion Ratio Lower Upper
56 100
69 196.2 25.8 38.6#
84 146.7 66.0 99.0#

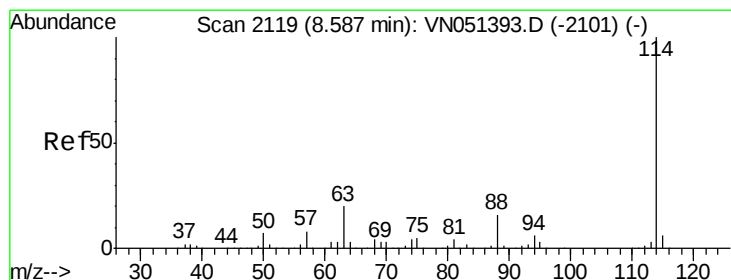
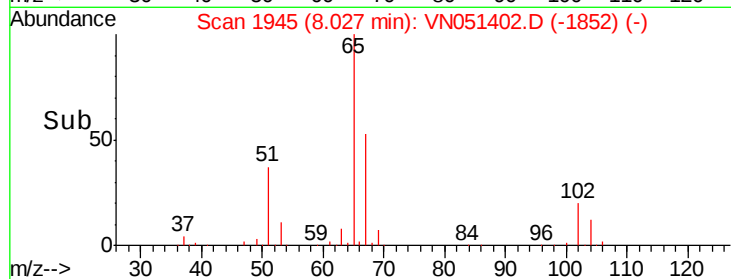
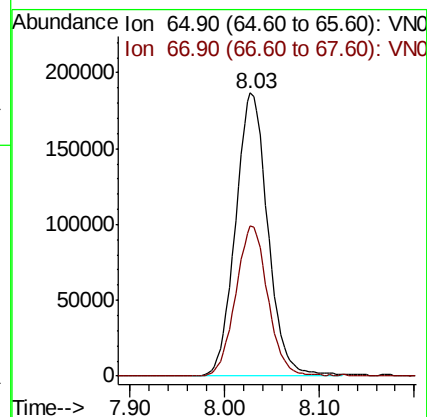
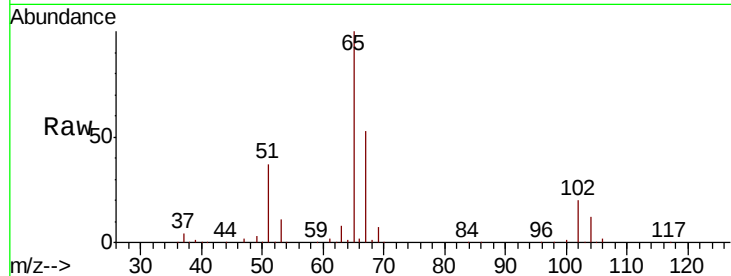




#33
 1,2-Dichloroethane-d4
 Concen: 52.015 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051402.D
 Acq: 23 Sep 2018 10:42

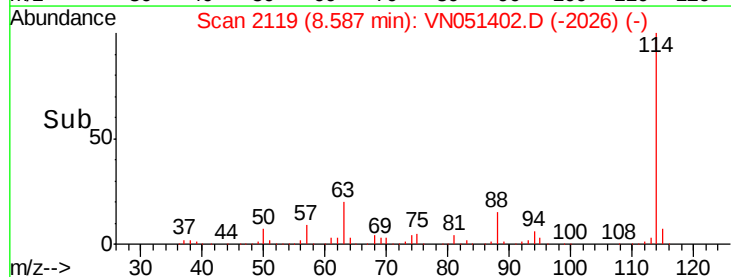
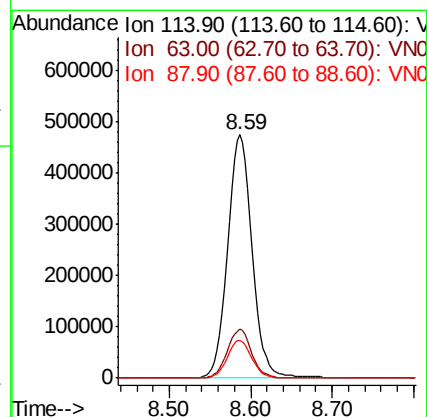
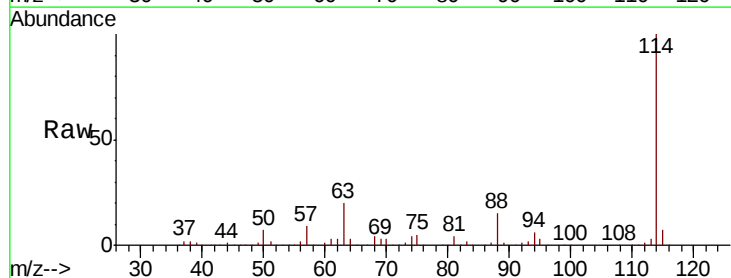
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBL01

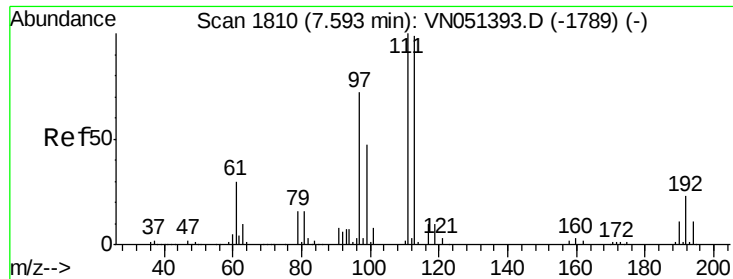
Tgt Ion: 65 Resp: 442918
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051402.D
 Acq: 23 Sep 2018 10:42

Tgt Ion: 114 Resp: 1008601
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.2
 88 15.3 0.0 31.4

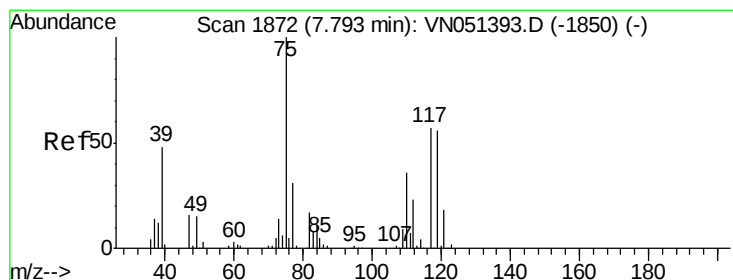
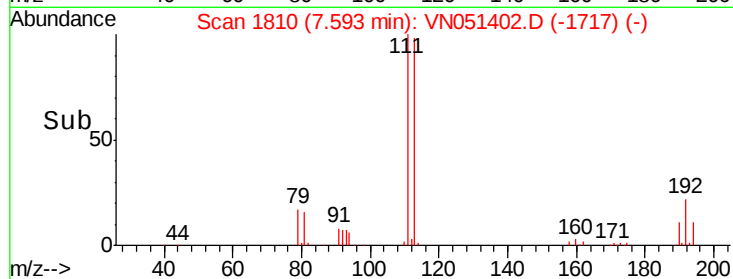
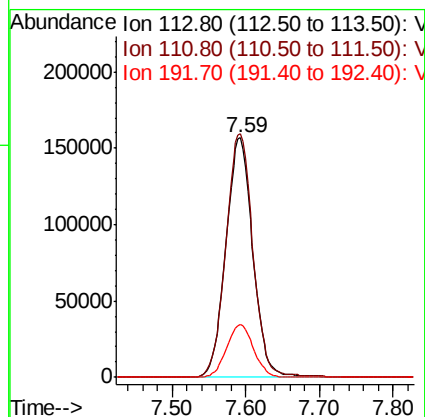
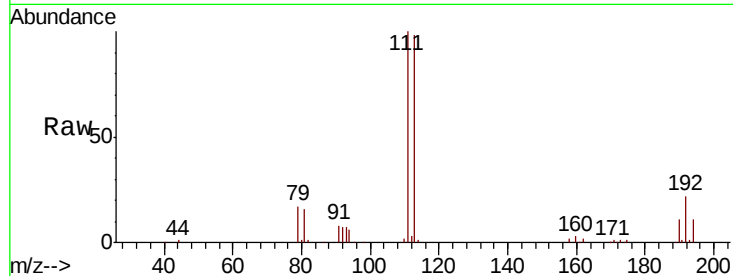




#35
 Dibromofluoromethane
 Concen: 49.369 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051402.D
 Acq: 23 Sep 2018 10:42

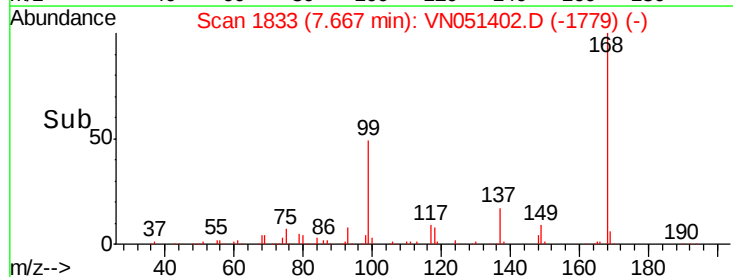
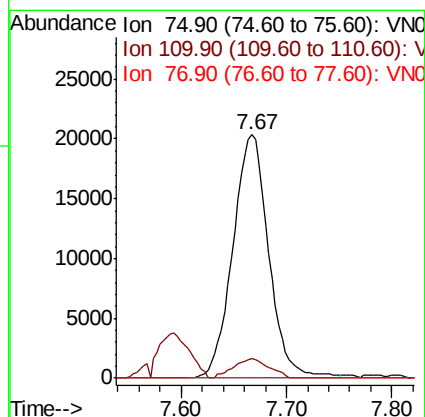
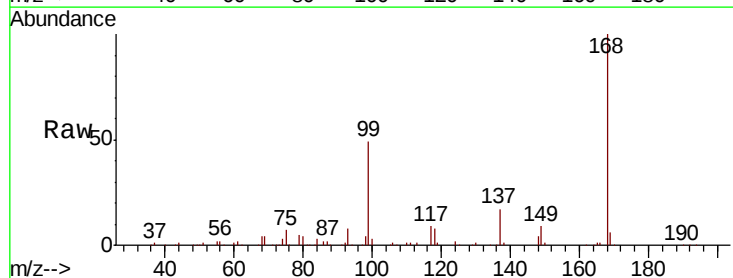
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBL01

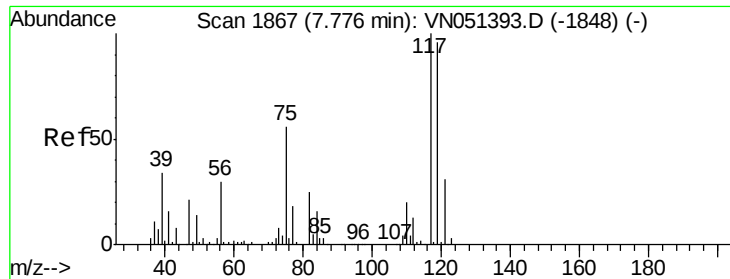
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	123.8
192	22.1	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 4.106 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051402.D
 Acq: 23 Sep 2018 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 5.130 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051402.D

Acq: 23 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBL01

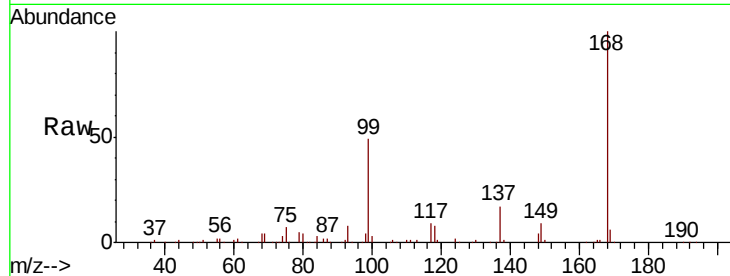
Tgt Ion:117 Resp: 62672

Ion Ratio Lower Upper

117 100

119 6.1 76.9 115.3#

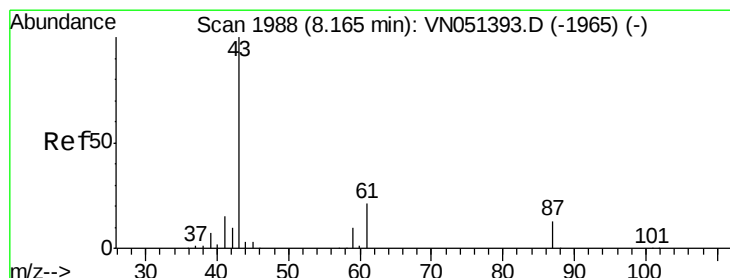
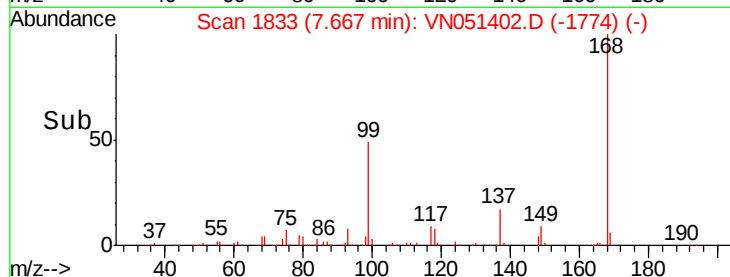
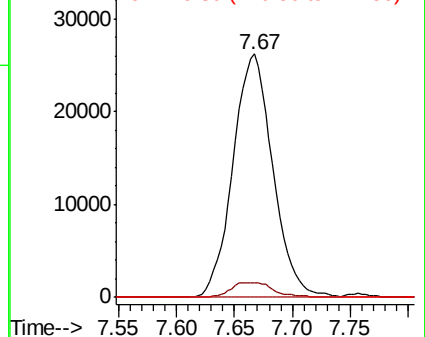
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.816 ug/l

RT: 8.27 min Scan# 2019

Delta R.T. 0.10 min

Lab File: VN051402.D

Acq: 23 Sep 2018 10:42

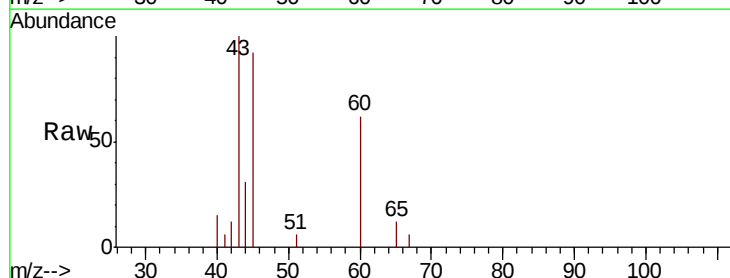
Tgt Ion: 43 Resp: 9904

Ion Ratio Lower Upper

43 100

61 0.0 16.8 25.2#

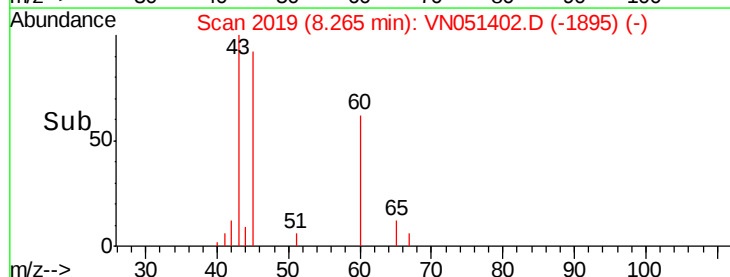
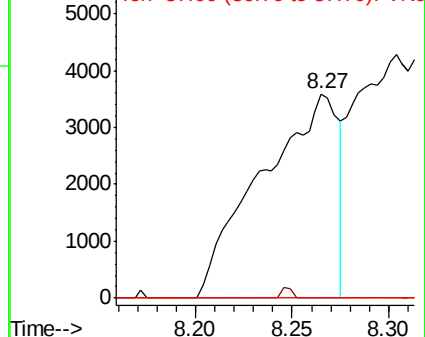
87 0.0 10.7 16.1#

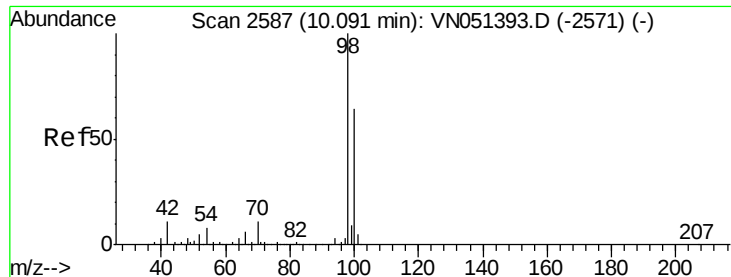


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 47.920 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051402.D

Acq: 23 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

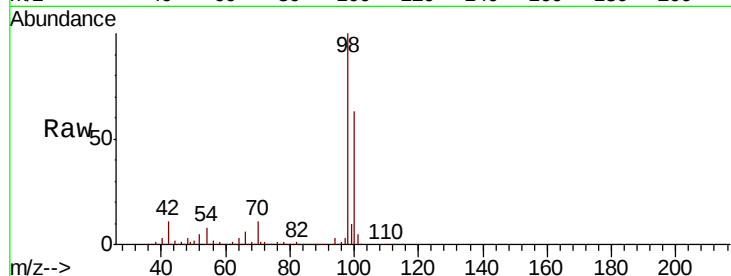
VN0923WBL01

Tgt Ion: 98 Resp: 1455371

Ion Ratio Lower Upper

98 100

100 63.3 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051393.D (-2571) (-)

10.09

800000

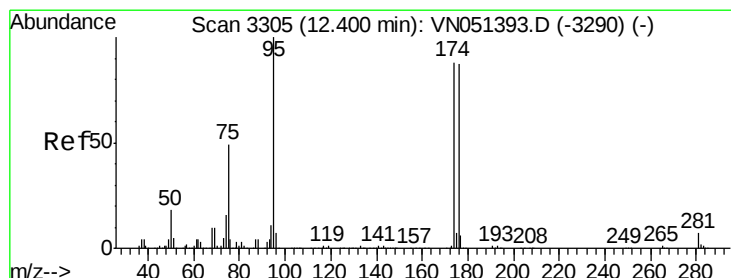
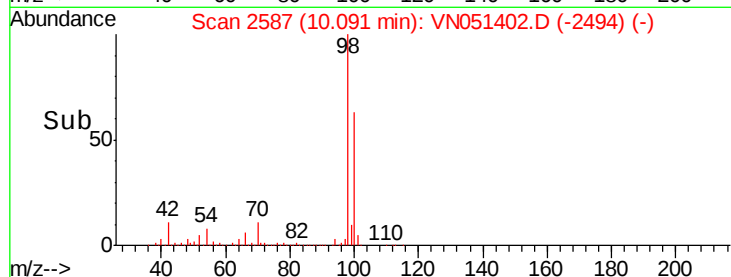
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 40.564 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051402.D

Acq: 23 Sep 2018 10:42

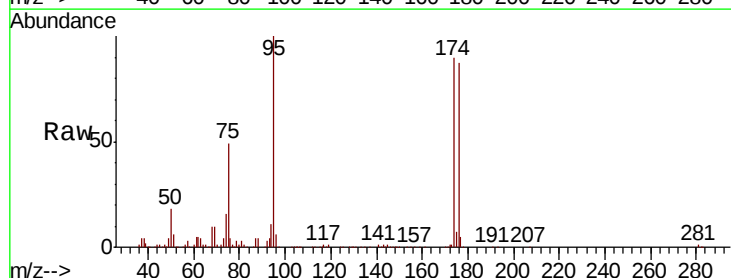
Tgt Ion: 95 Resp: 398543

Ion Ratio Lower Upper

95 100

174 90.9 0.0 181.6

176 87.8 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)

12.40

300000

250000

200000

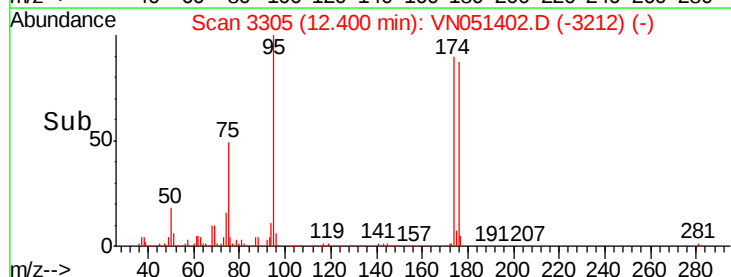
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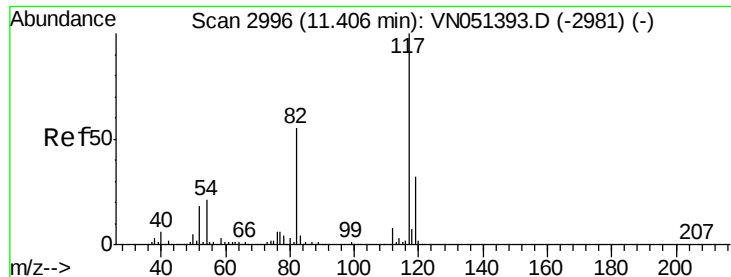
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50000

0

Time-->

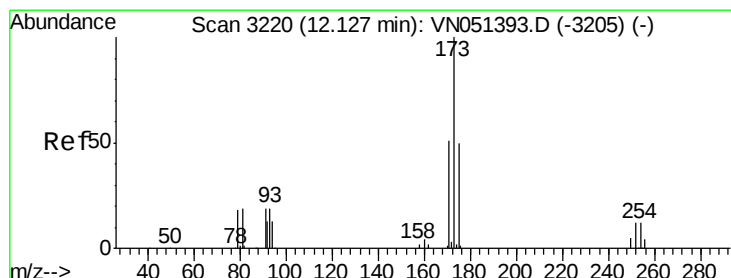
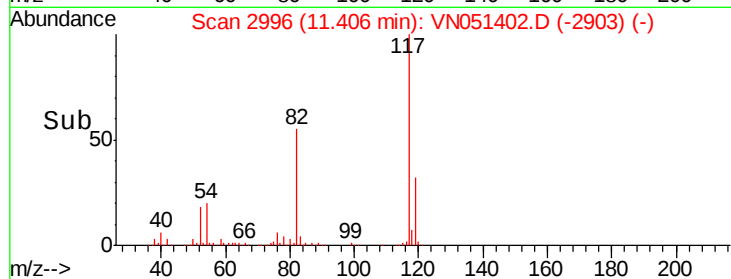
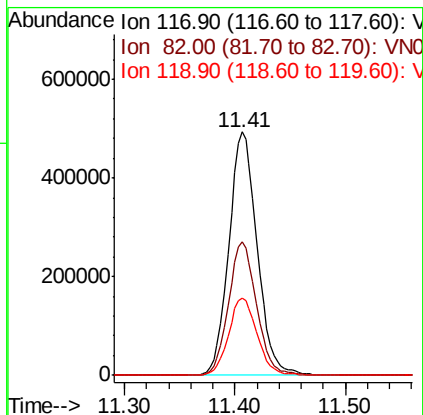
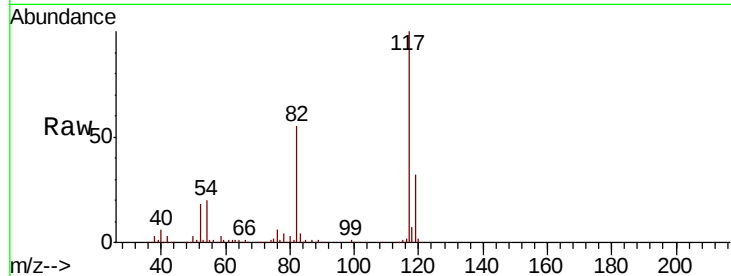




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051402.D
Acq: 23 Sep 2018 10:42

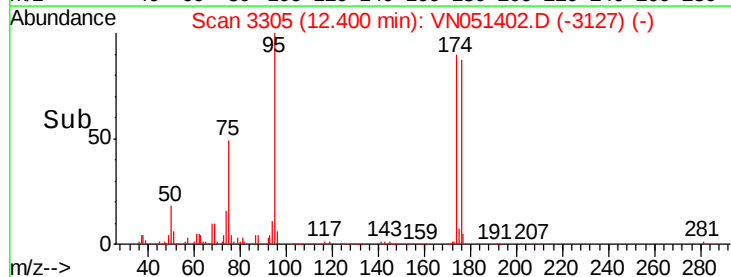
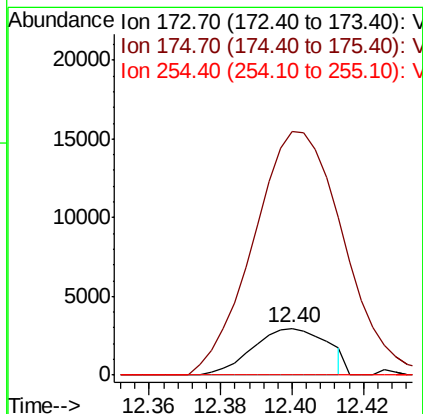
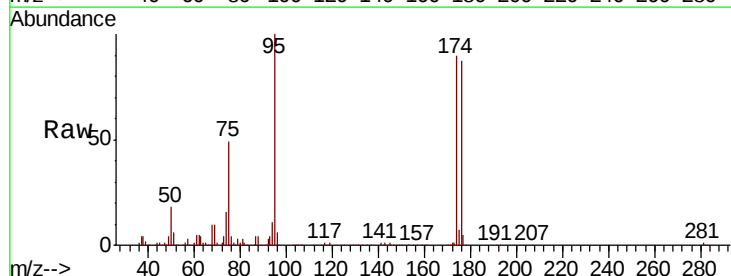
Instrument :
MSVOA_N
ClientSampleId :
VN0923WBL01

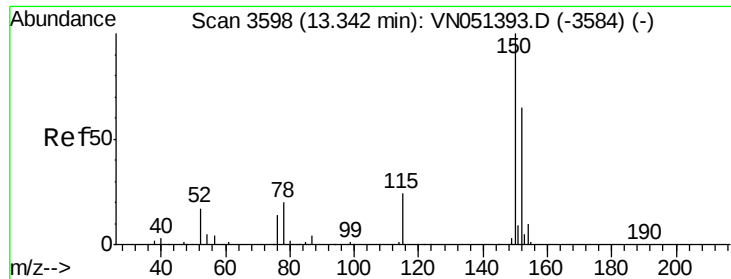
Tgt Ion:117 Resp: 876059
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 31.9 25.9 38.9



#71
Bromoform
Concen: 0.738 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051402.D
Acq: 23 Sep 2018 10:42

Tgt Ion:173 Resp: 4291
Ion Ratio Lower Upper
173 100
175 542.2 24.8 74.3#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051402.D

Acq: 23 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBL01

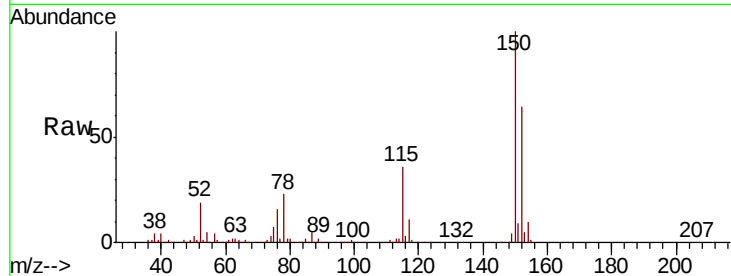
Tgt Ion:152 Resp: 318732

Ion Ratio Lower Upper

152 100

115 56.0 28.3 84.9

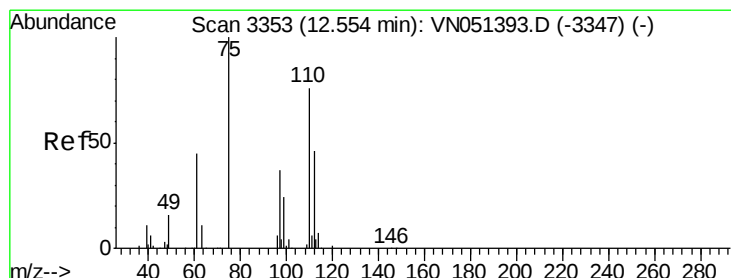
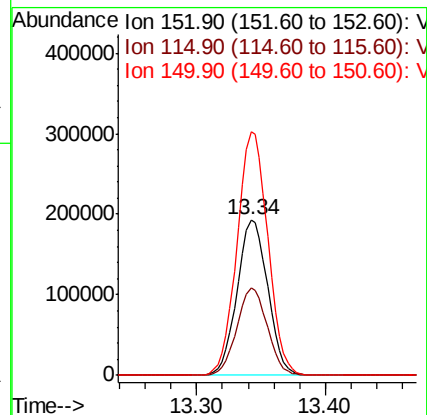
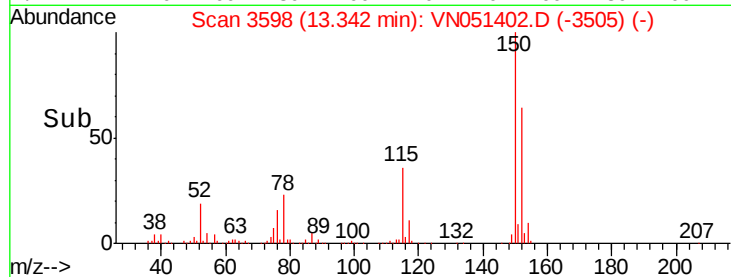
150 156.9 0.0 353.6



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: 36.492 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051402.D

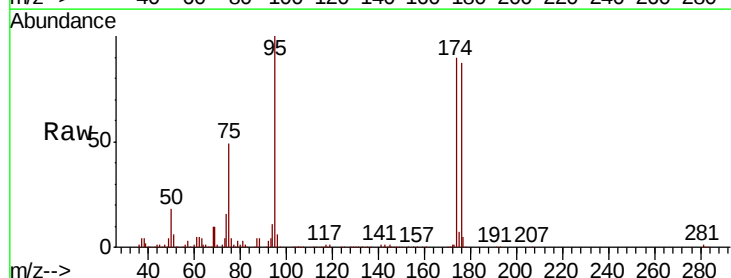
Acq: 23 Sep 2018 10:42

Tgt Ion: 75 Resp: 193084

Ion Ratio Lower Upper

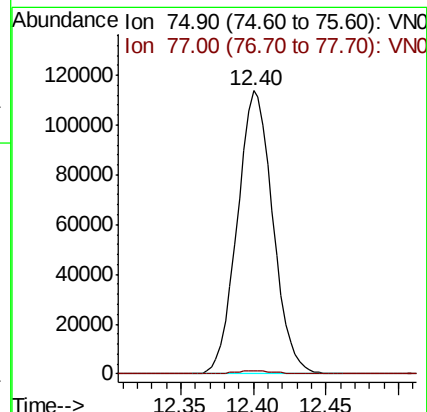
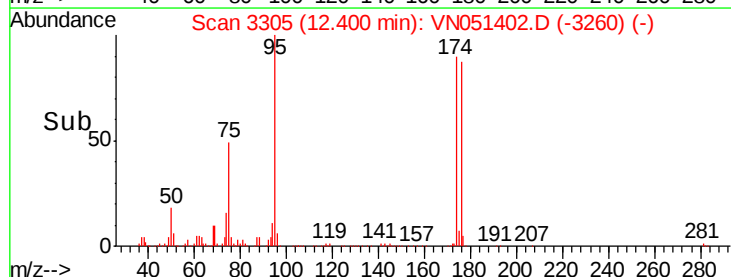
75 100

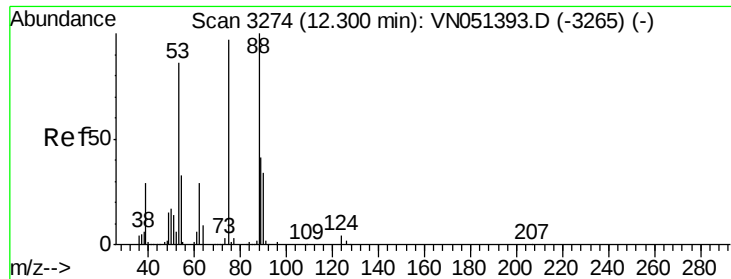
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 112.210 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051402.D

Acq: 23 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBL01

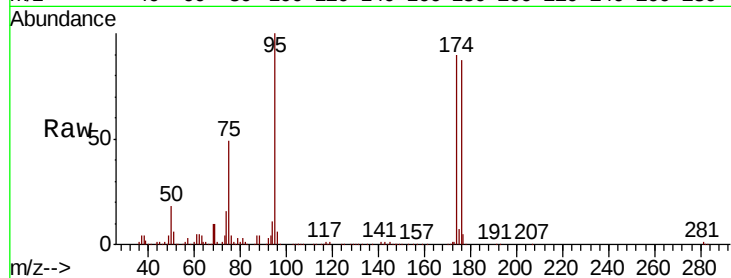
Tgt Ion: 75 Resp: 193084

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

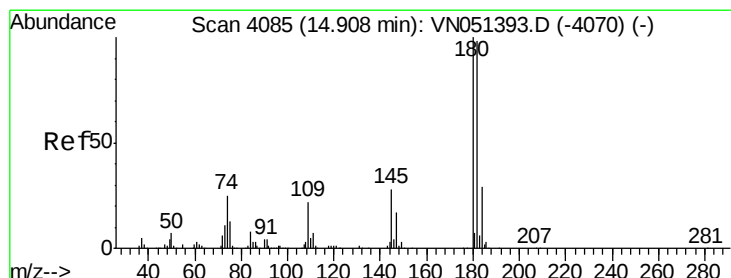
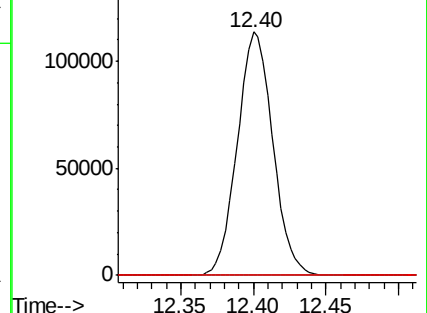
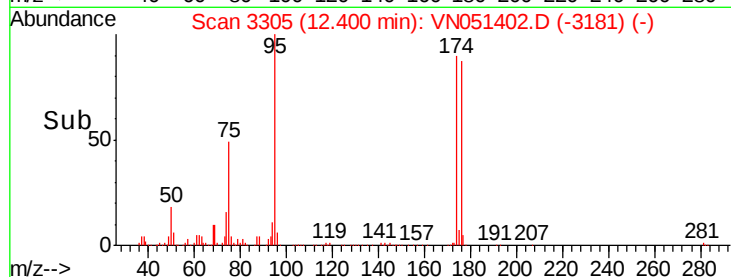
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 6.094 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051402.D

Acq: 23 Sep 2018 10:42

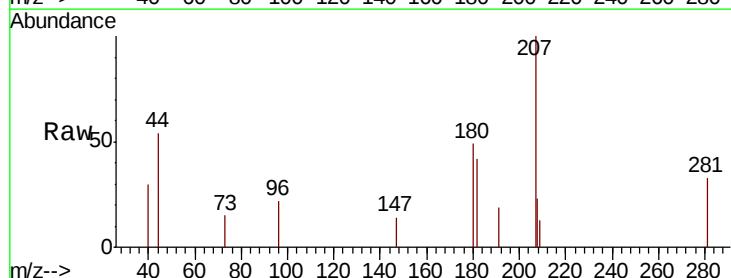
Tgt Ion: 180 Resp: 783

Ion Ratio Lower Upper

180 100

182 100.8 48.5 145.6

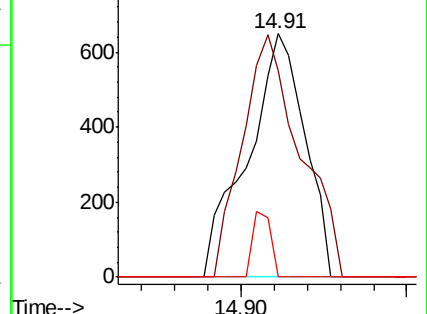
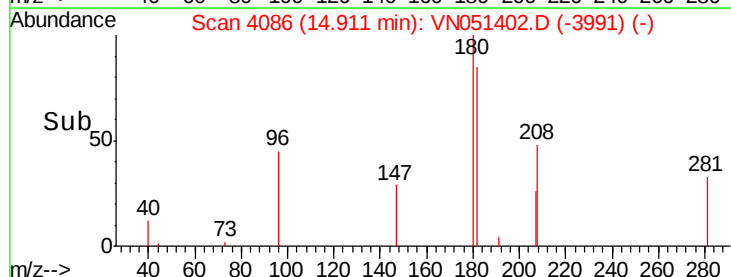
145 8.2 14.1 42.4#

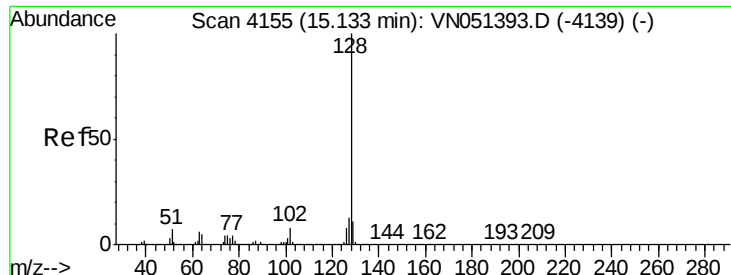


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 8.141 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051402.D

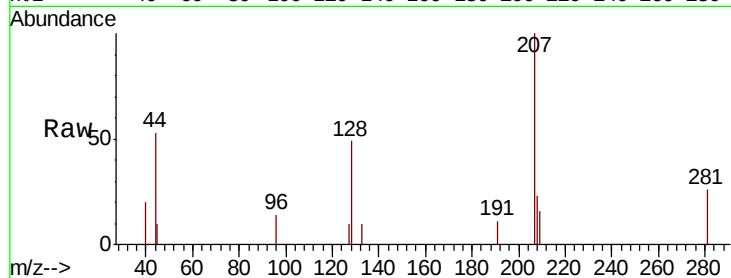
Acq: 23 Sep 2018 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBL01



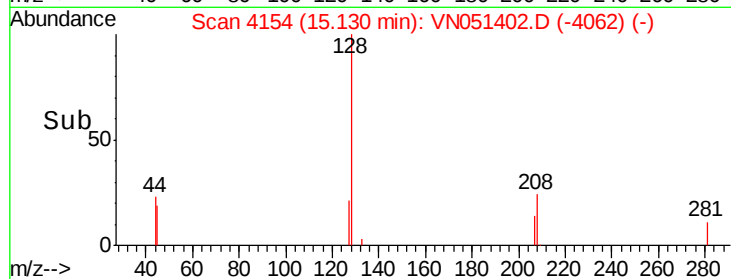
Tgt Ion:128 Resp: 1370

Ion Ratio Lower Upper

128 100

127 11.1 10.5 15.7

129 2.3 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

