

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092618\
 Data File : VN051505.D
 Acq On : 26 Sep 2018 00:29
 Operator : MD\SY
 Sample : J5065-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW11-GW

Quant Time: Sep 26 04:12:44 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	653325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1004366	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	846017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319183	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	460850	56.31	ug/l	0.00
Spiked Amount			Recovery	=	112.62%	
35) Dibromofluoromethane	7.59	113	397759	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	10.09	98	1415468	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
62) 4-Bromofluorobenzene	12.40	95	388338	39.69	ug/l	0.00
Spiked Amount			Recovery	=	79.38%	

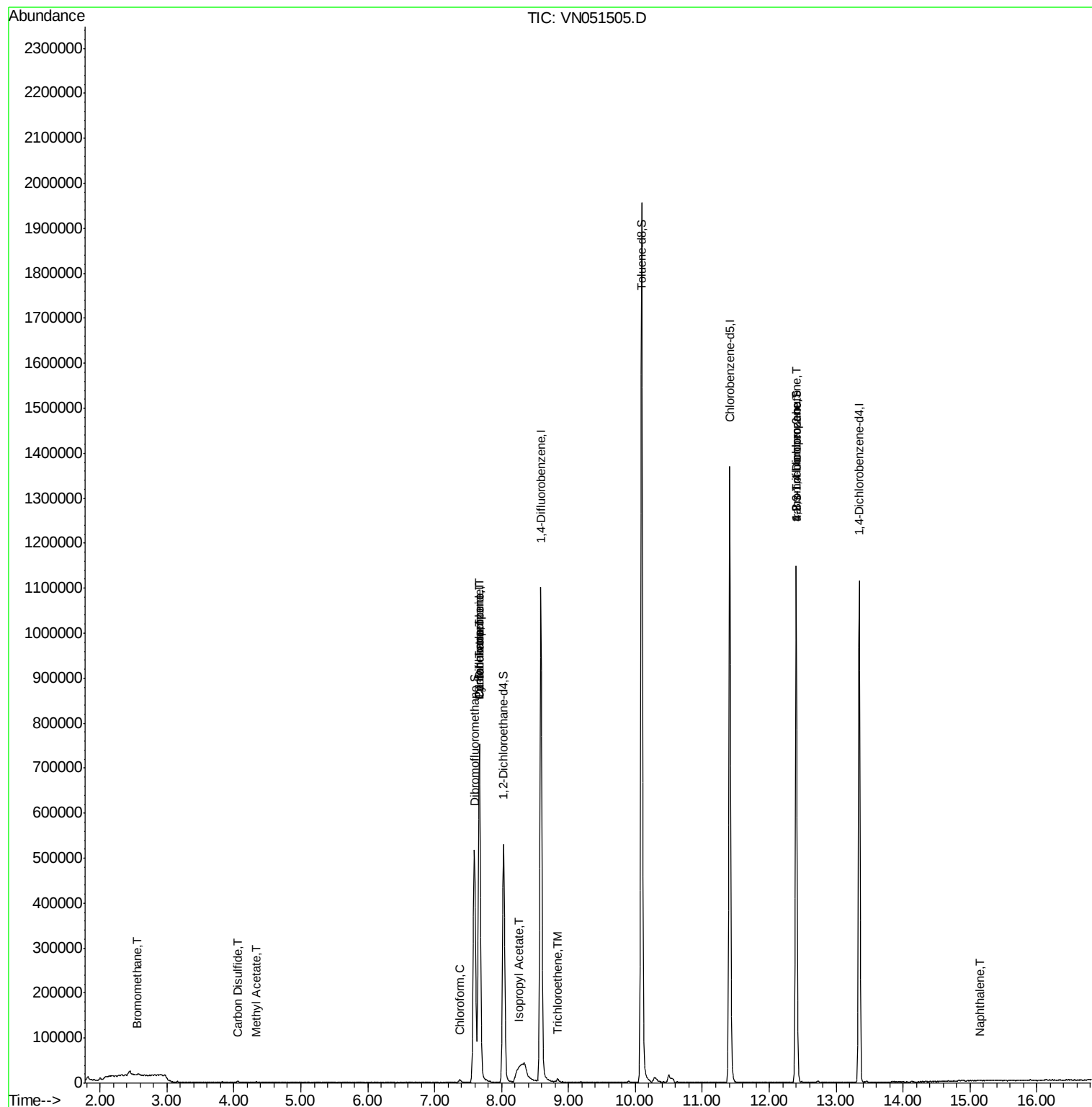
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1044	0.222	ug/l #	67
16) Acetone	3.82	43	1831	Below Cal		93
17) Carbon Disulfide	4.05	76	5469	0.256	ug/l	99
18) Methyl Acetate	4.33	43	3219	0.516	ug/l #	67
30) Chloroform	7.38	83	5737	0.412	ug/l	100
31) Cyclohexane	7.67	56	11933	0.926	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45315	3.896	ug/l #	49
38) Carbon Tetrachloride	7.67	117	57154	4.698	ug/l #	17
43) Isopropyl Acetate	8.26	43	37051	3.064	ug/l #	60
44) Trichloroethene	8.84	130	2481	0.274	ug/l	97
76) 1,2,3-Trichloropropane	12.40	75	192284	36.289	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	192284	111.587	ug/l #	13
95) Naphthalene	15.14	128	61	8.049	ug/l #	69

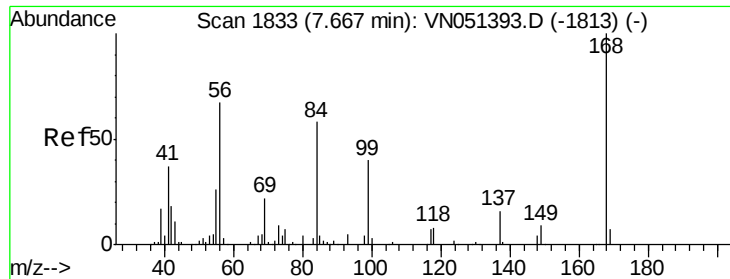
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051505.D

Acq: 26 Sep 2018 00:29

Instrument :

MSVOA_N

ClientSampleId :

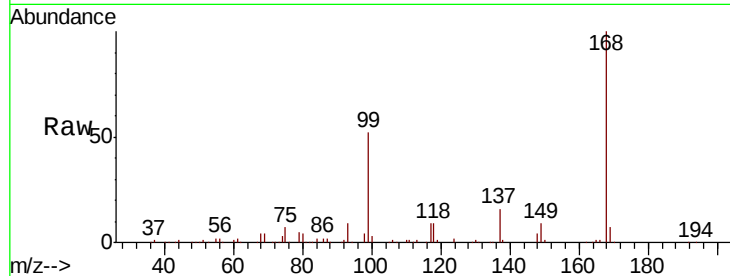
RFK-RMAB-MW11-GW

Tot Ion:168 Resp: 653325

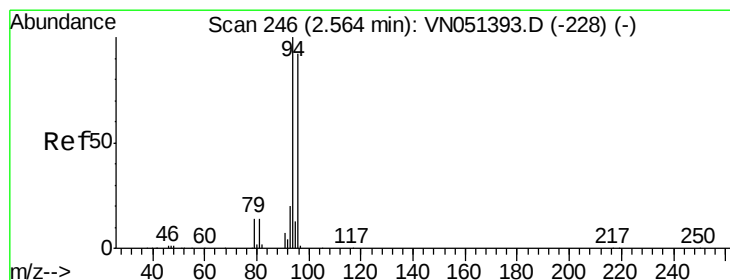
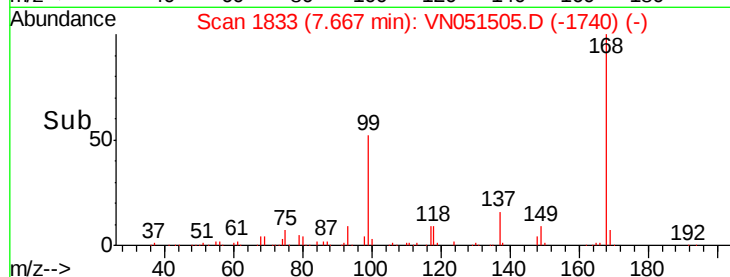
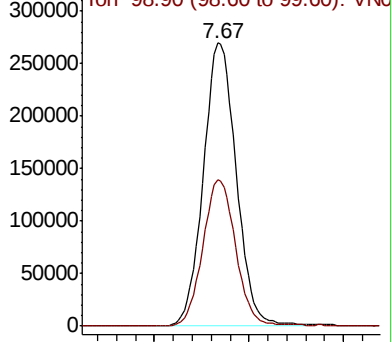
Ion Ratio Lower Upper

168 100

99 51.8 40.2 60.2



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



#5

Bromomethane

Concen: 0.222 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051505.D

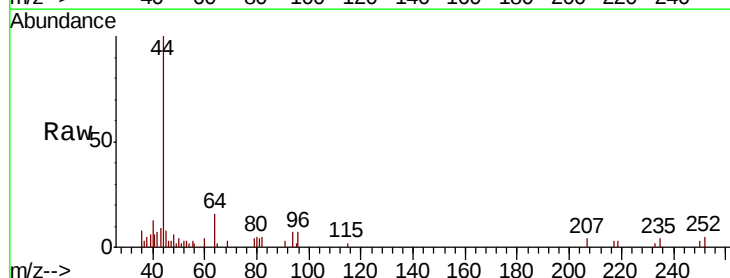
Acq: 26 Sep 2018 00:29

Tgt Ion: 94 Resp: 1044

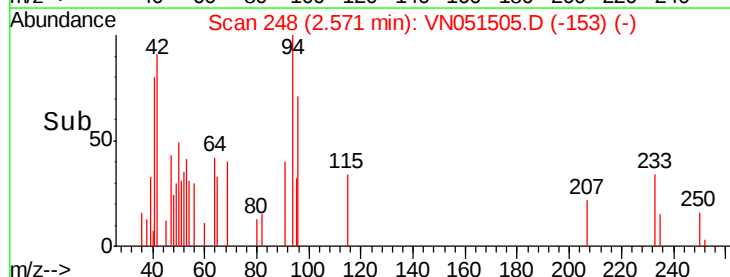
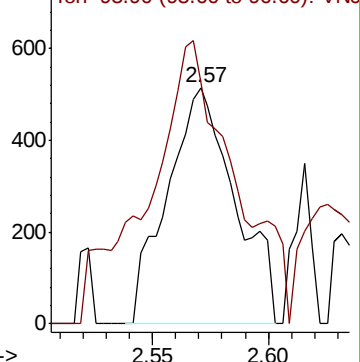
Ion Ratio Lower Upper

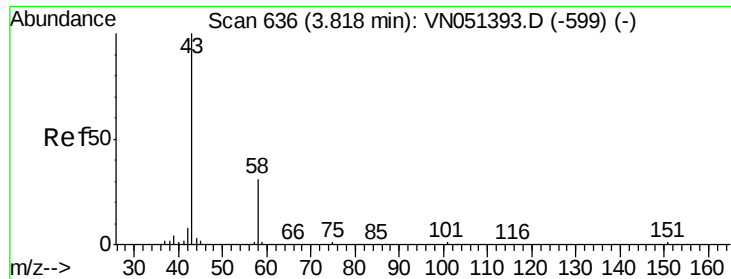
94 100

96 60.9 73.6 110.4#



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





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051505.D

Acq: 26 Sep 2018 00:29

Instrument :

MSVOA_N

ClientSampleId :

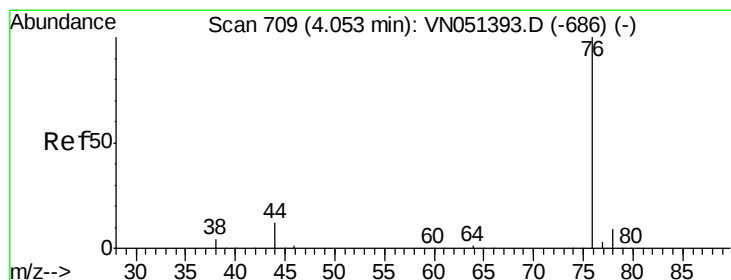
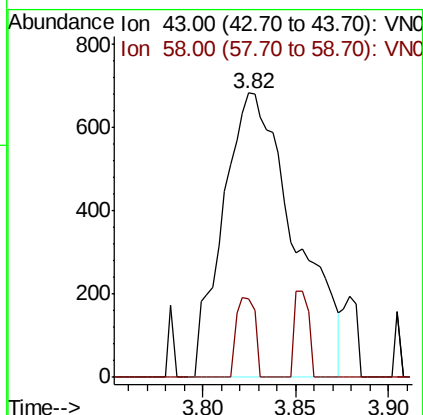
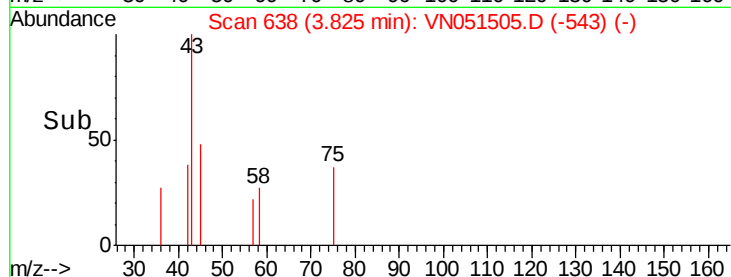
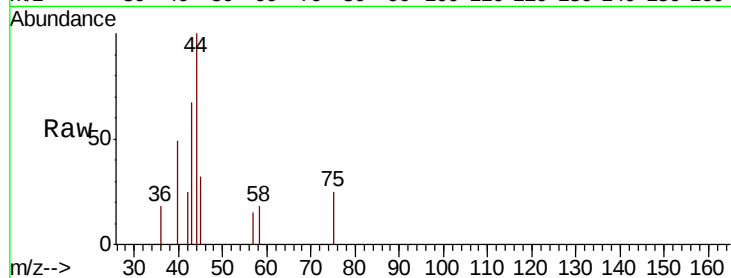
RFK-RMAB-MW11-GW

Tot Ion: 43 Resp: 1831

Ion Ratio Lower Upper

43 100

58 27.5 25.0 37.4



#17

Carbon Disulfide

Concen: 0.256 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051505.D

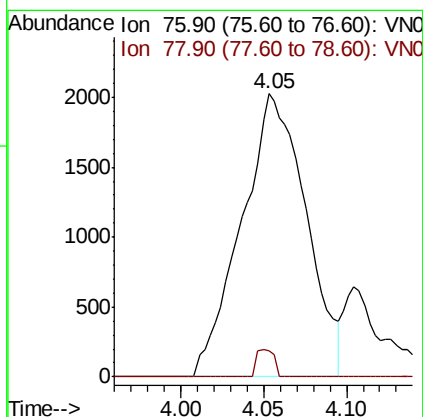
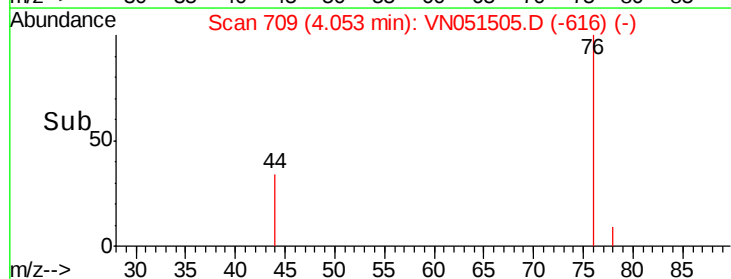
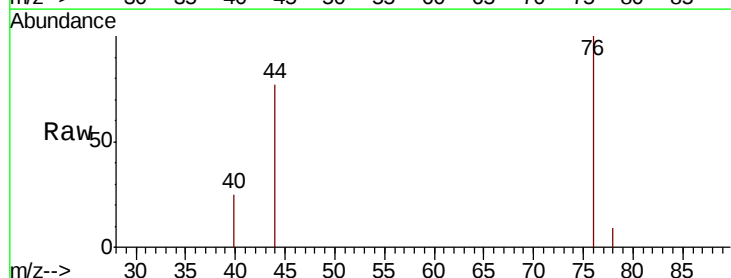
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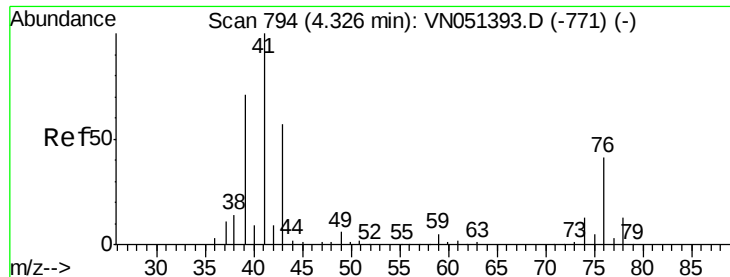
Tgt Ion: 76 Resp: 5469

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

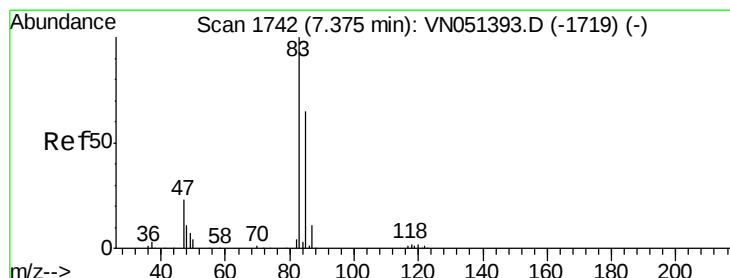
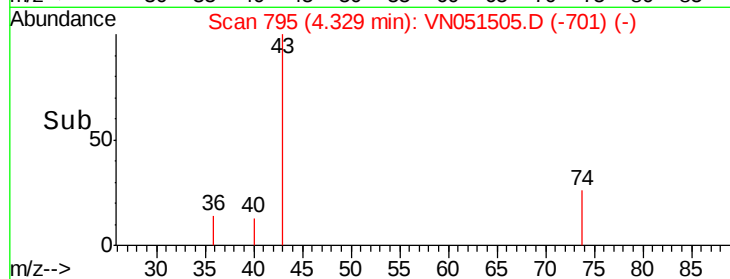
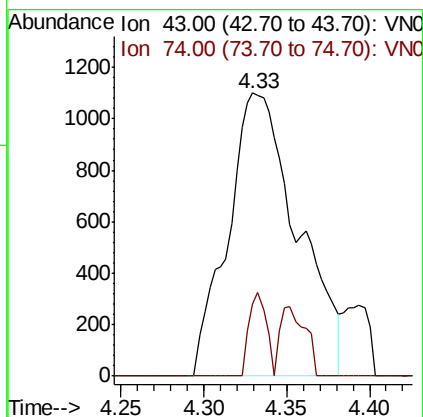
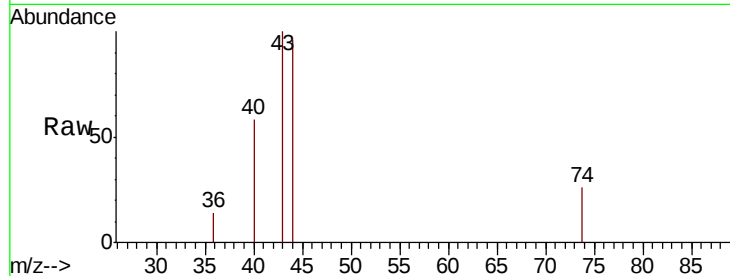




#18
Methvl Acetate
Concen: 0.516 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051505.D
Acq: 26 Sep 2018 00:29

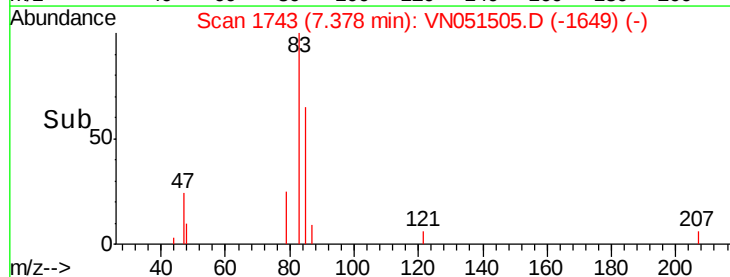
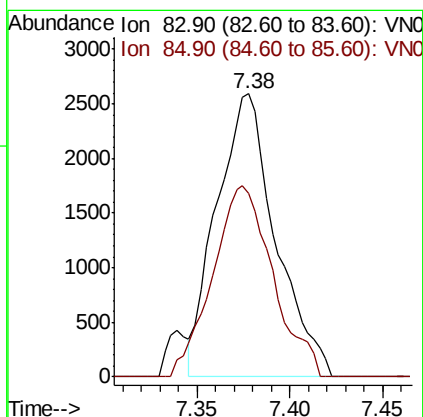
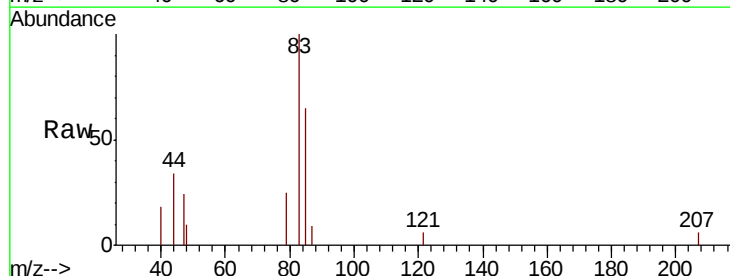
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW11-GW

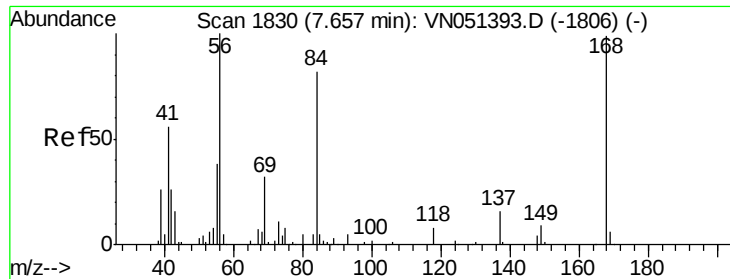
Tot Ion: 43 Resp: 3219
Ion Ratio Lower Upper
43 100
74 7.2 18.8 28.2#



#30
Chloroform
Concen: 0.412 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN051505.D
Acq: 26 Sep 2018 00:29

Tgt Ion: 83 Resp: 5737
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.6

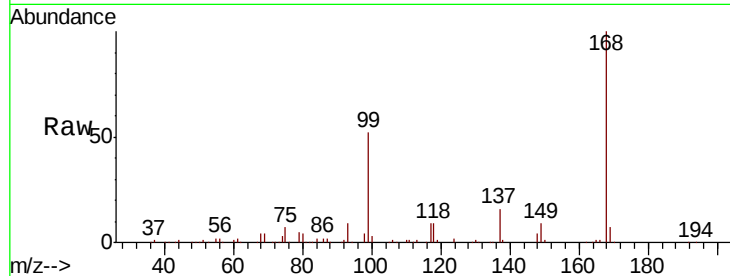




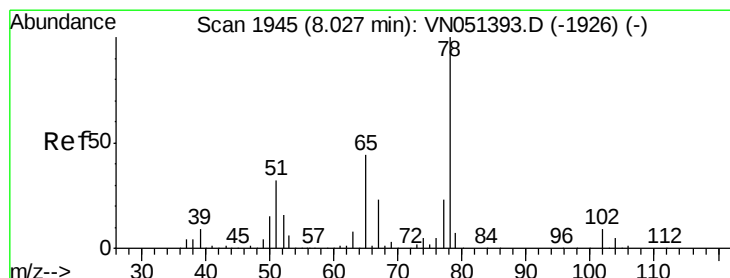
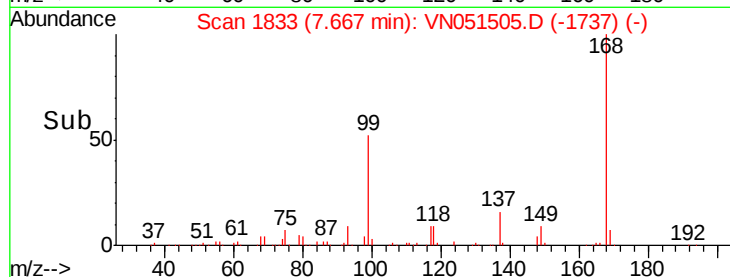
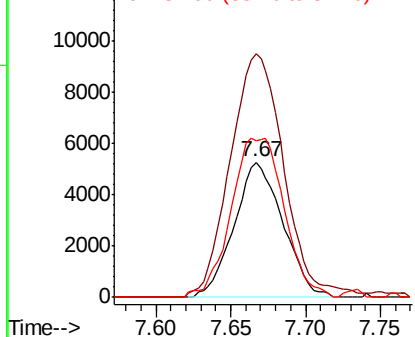
#31
Cyclohexane
Concen: 0.926 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051505.D
Acq: 26 Sep 2018 00:29

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW11-GW

Tot Ion: 56 Resp: 11933
Ion Ratio Lower Upper
56 100
69 177.1 25.8 38.6#
84 115.4 66.0 99.0#

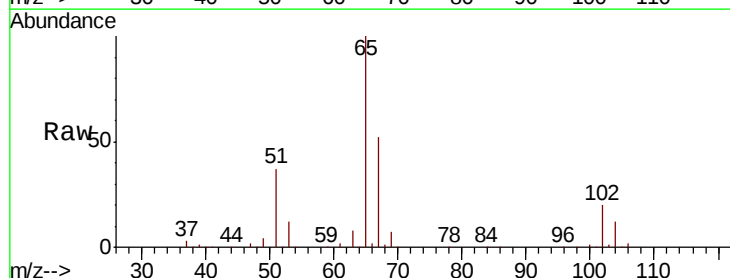


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

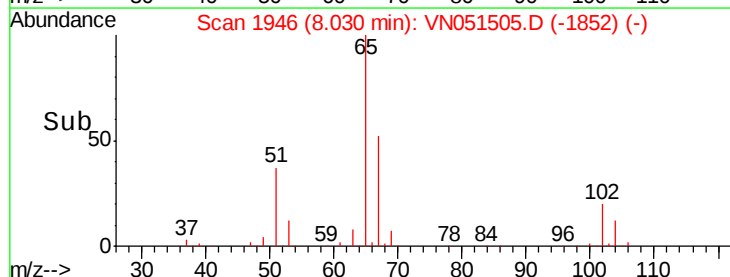
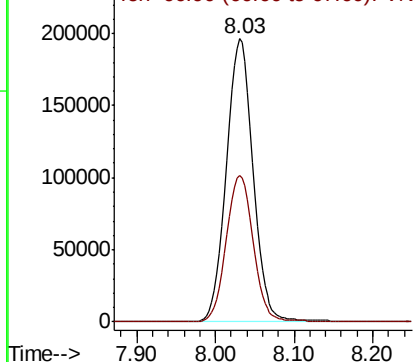


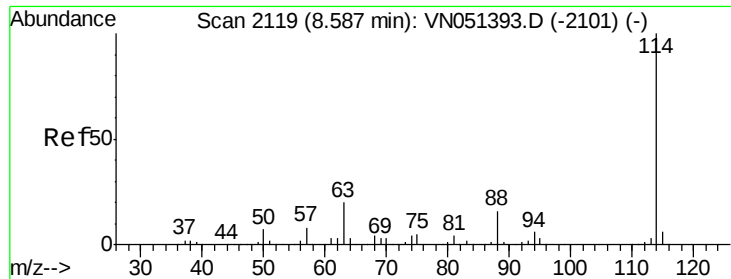
#33
1,2-Dichloroethane-d4
Concen: 56.311 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051505.D
Acq: 26 Sep 2018 00:29

Tgt Ion: 65 Resp: 460850
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

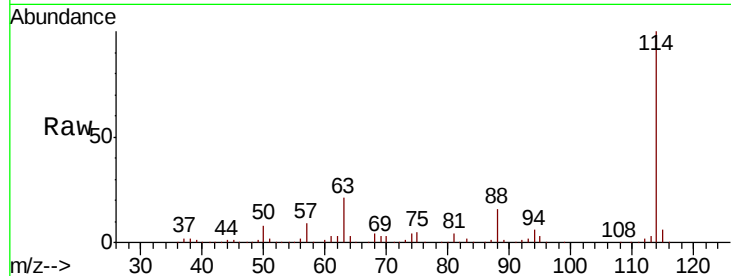




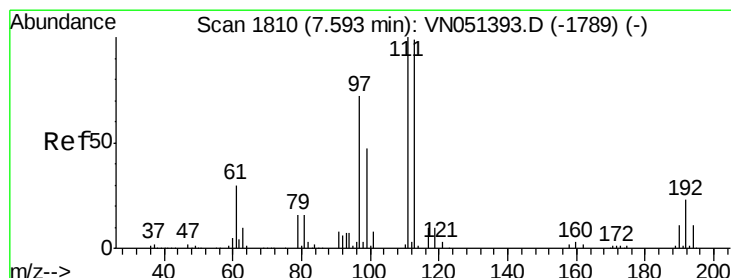
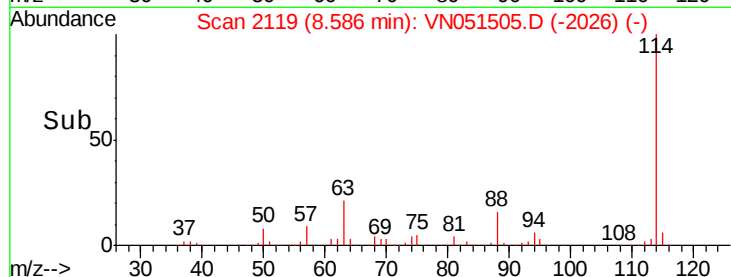
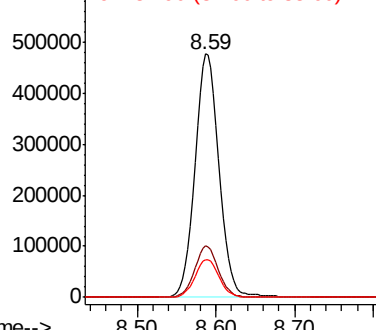
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051505.D
 Acq: 26 Sep 2018 00:29

Instrument :
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 RFK-RMAB-MW11-GW

Tot Ion:114 Resp: 1004366
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.2
 88 15.6 0.0 31.4

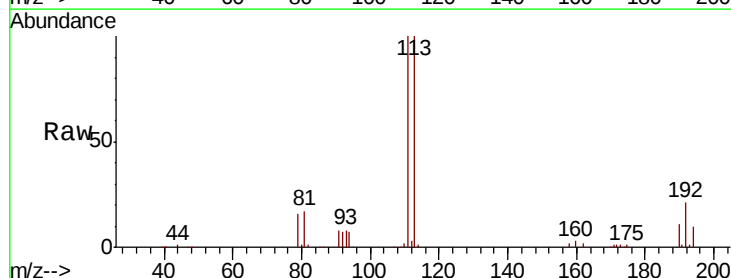


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

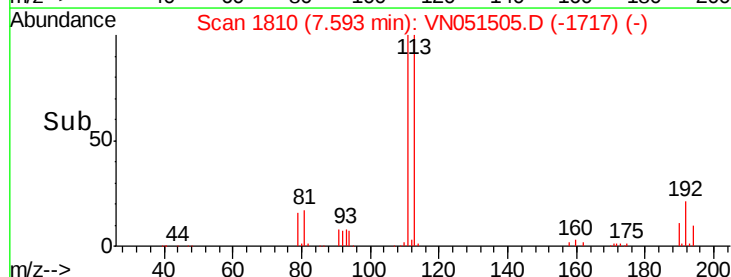
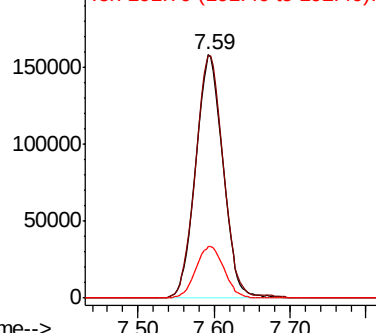


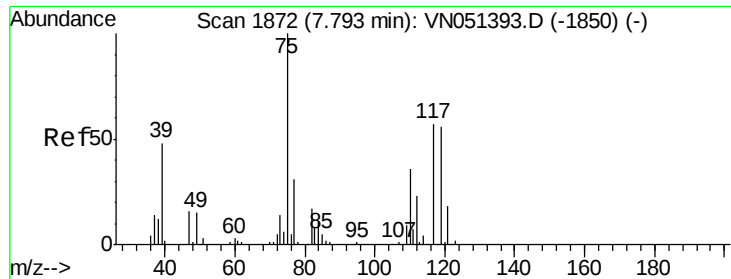
#35
 Dibromofluoromethane
 Concen: 49.525 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051505.D
 Acq: 26 Sep 2018 00:29

Tgt Ion:113 Resp: 397759
 Ion Ratio Lower Upper
 113 100
 111 100.4 82.6 123.8
 192 21.9 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: 3.896 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN051505.D

Acq: 26 Sep 2018 00:29

Instrument :

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ClientSampleId :

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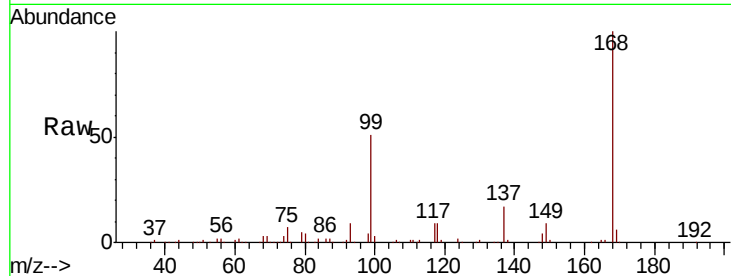
Tot Ion: 75 Resp: 45315

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.3#

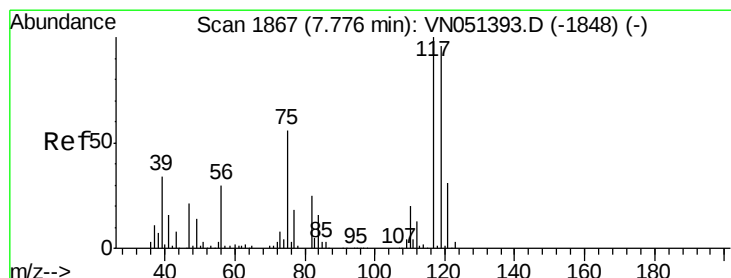
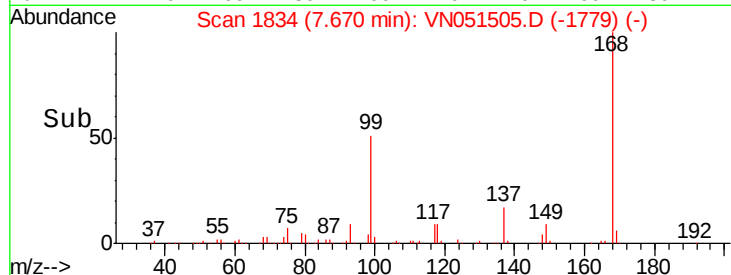
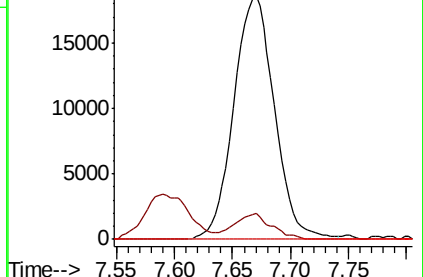
77 0.0 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-1850) (-)

Ion 109.90 (109.60 to 110.60): VN051393.D (-1850) (-)

Ion 76.90 (76.60 to 77.60): VN051393.D (-1850) (-)



#38

Carbon Tetrachloride

Concen: 4.698 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051505.D

Acq: 26 Sep 2018 00:29

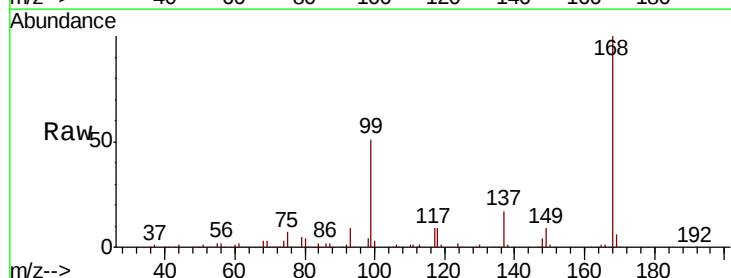
Tgt Ion: 117 Resp: 57154

Ion Ratio Lower Upper

117 100

119 6.0 76.9 115.3#

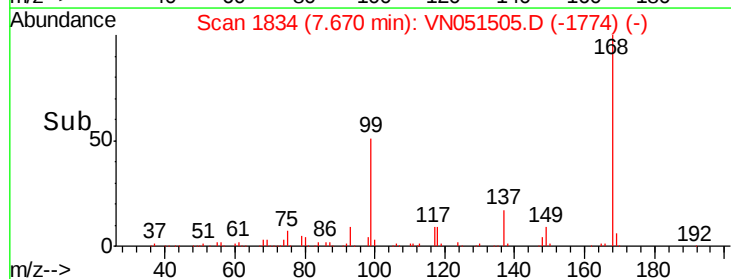
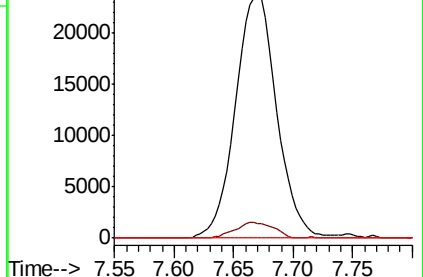
121 0.0 24.6 37.0#

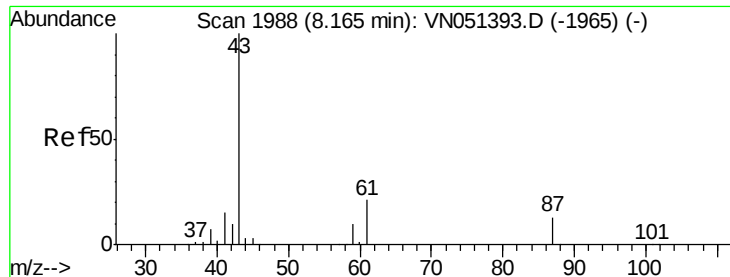


Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN051393.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN051393.D (-1848) (-)





#43

Isopropyl Acetate

Concen: 3.064 ug/l

RT: 8.26 min Scan# 2017

Delta R.T. 0.09 min

Lab File: VN051505.D

Acq: 26 Sep 2018 00:29

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW11-GW

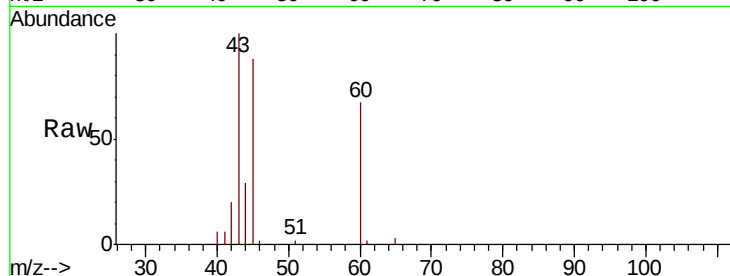
Tot Ion: 43 Resp: 37051

Ion Ratio Lower Upper

43 100

61 0.0 16.8 25.2#

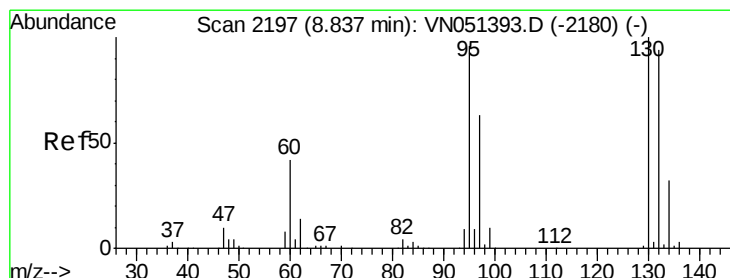
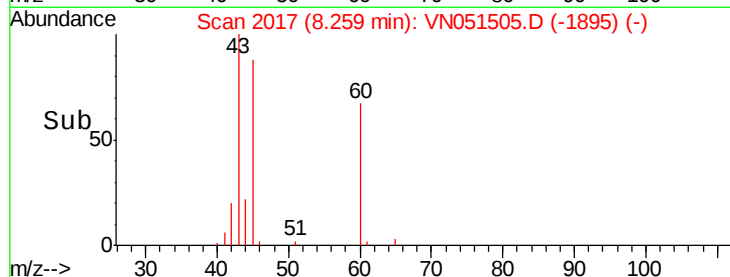
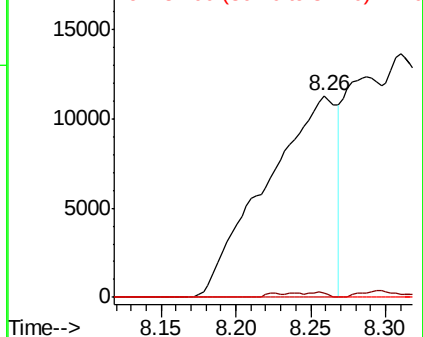
87 0.0 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)



#44

Trichloroethene

Concen: 0.274 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051505.D

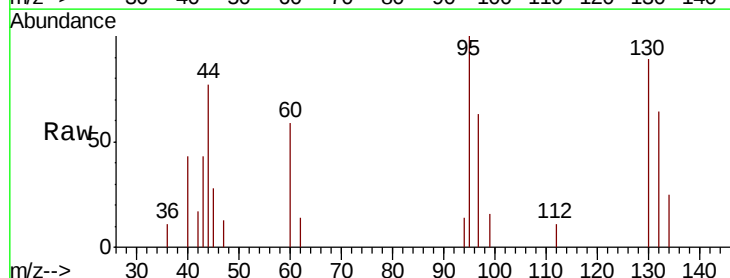
Acq: 26 Sep 2018 00:29

Tgt Ion: 130 Resp: 2481

Ion Ratio Lower Upper

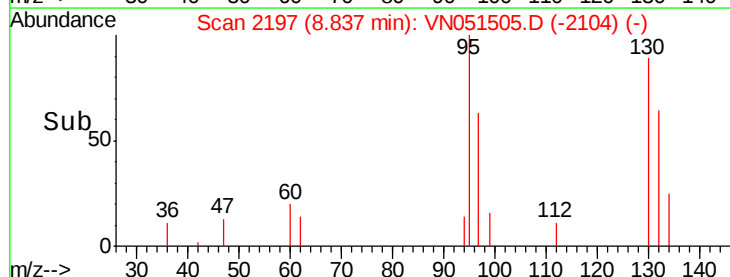
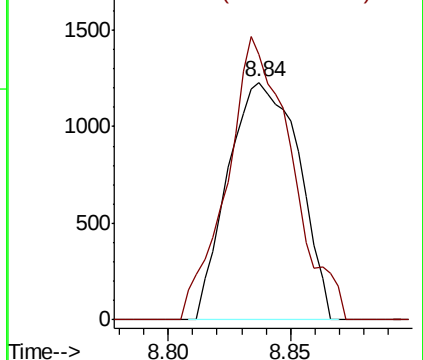
130 100

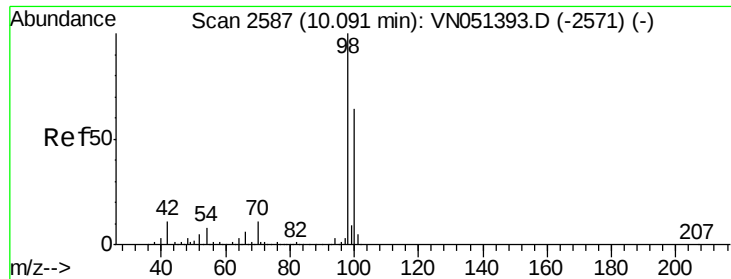
95 99.2 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VN051393.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051393.D (-2180) (-)





#50

Toluene-d8

Concen: 46.802 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051505.D

Acq: 26 Sep 2018 00:29

Instrument :

MSVOA_N

ClientSampleId :

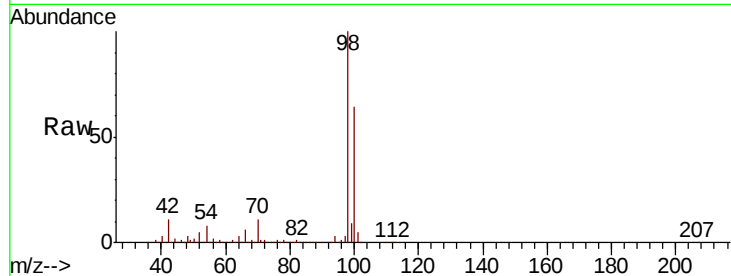
RFK-RMAB-MW11-GW

Tot Ion: 98 Resp: 1415468

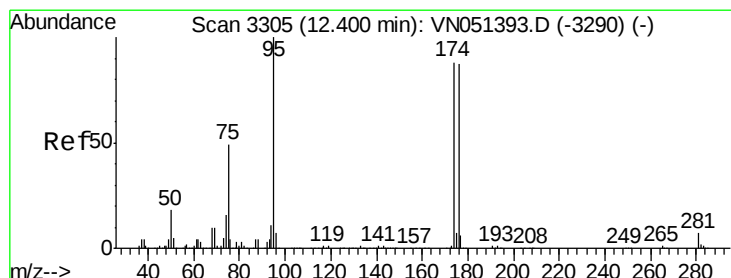
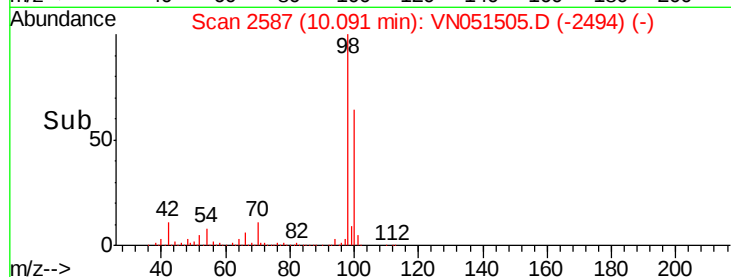
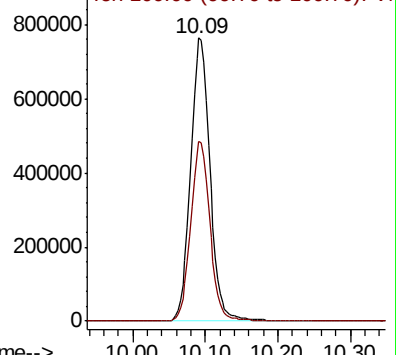
Ion Ratio Lower Upper

98 100

100 63.3 50.6 75.8



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



#62

4-Bromofluorobenzene

Concen: 39.692 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051505.D

Acq: 26 Sep 2018 00:29

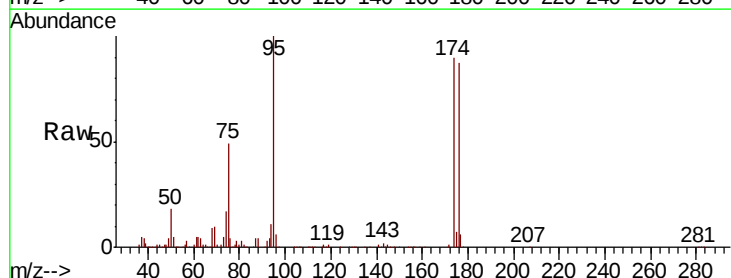
Tgt Ion: 95 Resp: 388338

Ion Ratio Lower Upper

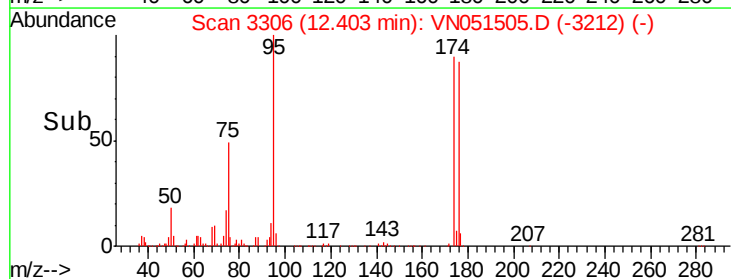
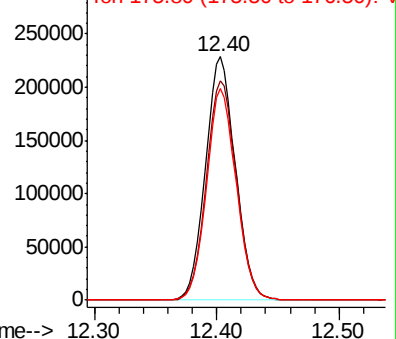
95 100

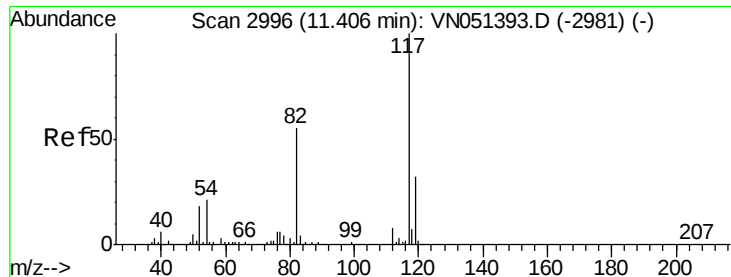
174 90.7 0.0 181.6

176 86.2 0.0 176.4



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

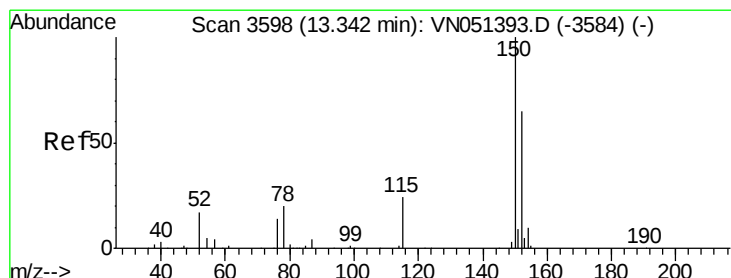
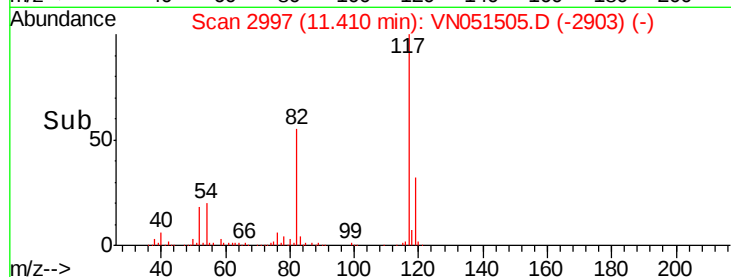
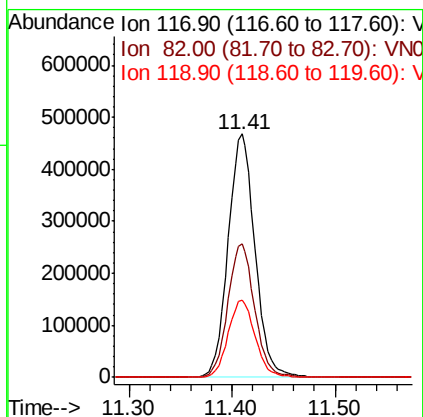
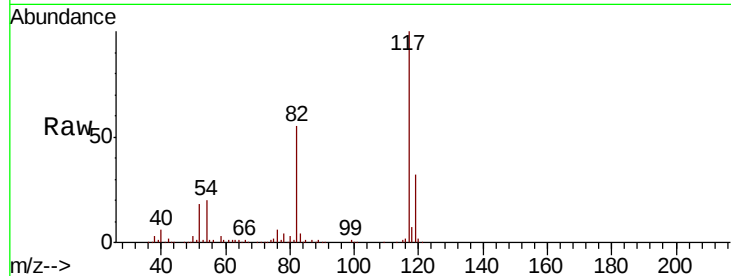




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051505.D
Acq: 26 Sep 2018 00:29

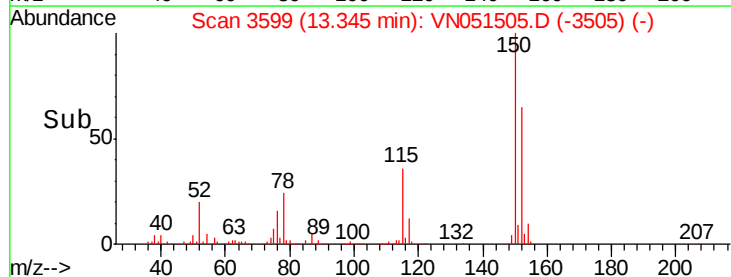
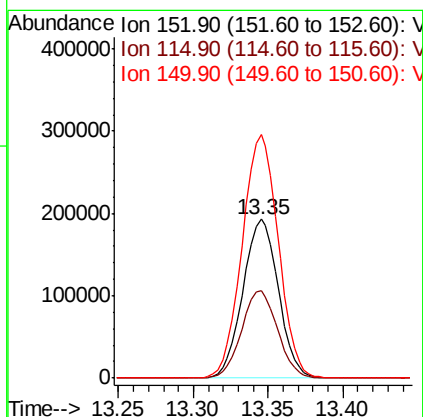
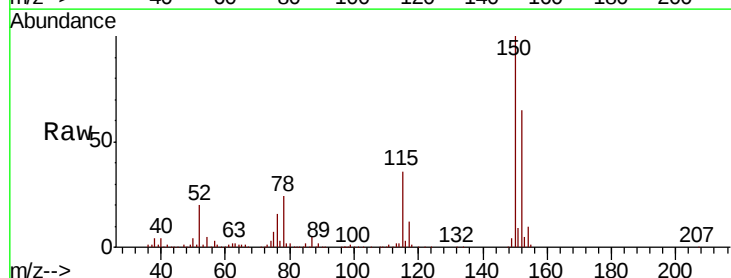
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW11-GW

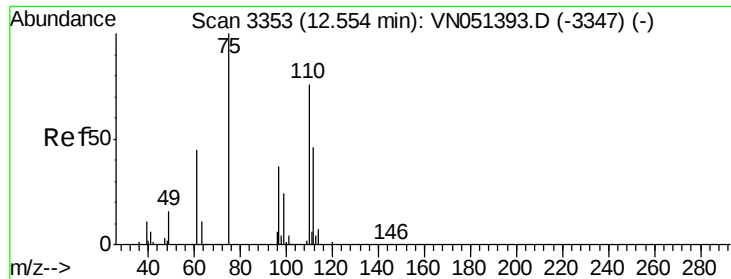
Tot Ion:117 Resp: 846017
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 31.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051505.D
Acq: 26 Sep 2018 00:29

Tgt Ion:152 Resp: 319183
Ion Ratio Lower Upper
152 100
115 55.6 28.3 84.9
150 155.8 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 36.289 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051505.D

Acq: 26 Sep 2018 00:29

Instrument :

MSVOA_N

ClientSampleId :

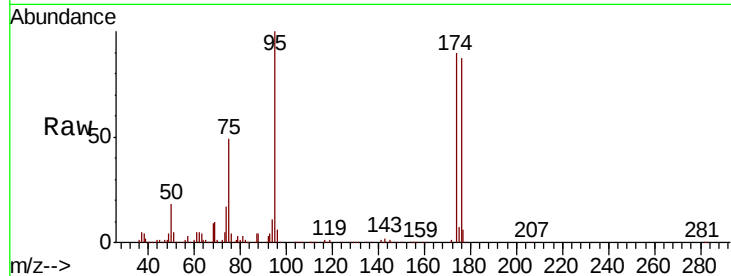
RFK-RMAB-MW11-GW

Tot Ion: 75 Resp: 192284

Ion Ratio Lower Upper

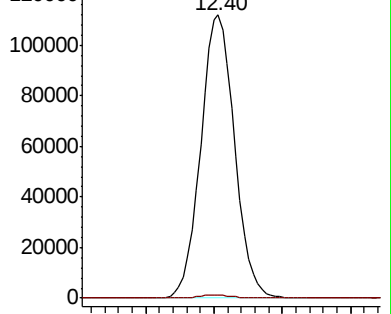
75 100

77 1.2 0.0 0.0#

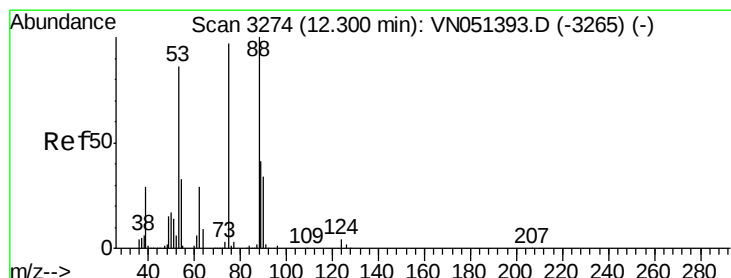
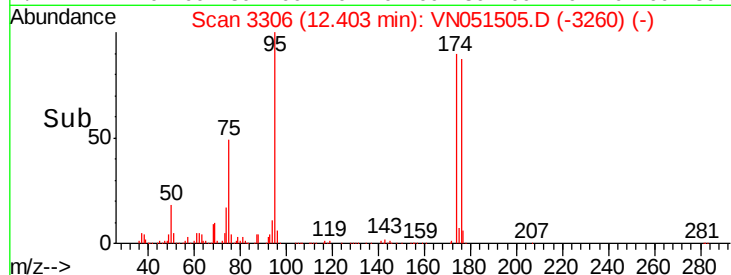


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 111.587 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051505.D

Acq: 26 Sep 2018 00:29

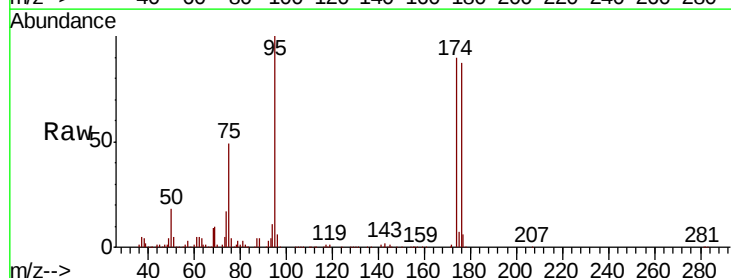
Tgt Ion: 75 Resp: 192284

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

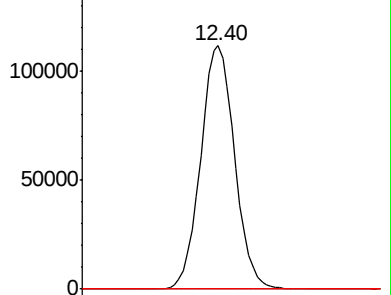
89 0.1 36.7 55.1#



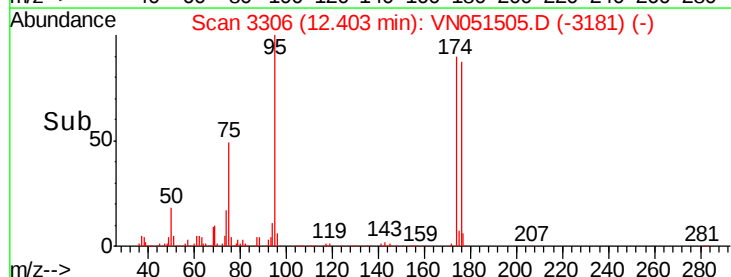
Abundance Ion 74.90 (74.60 to 75.60): VNO

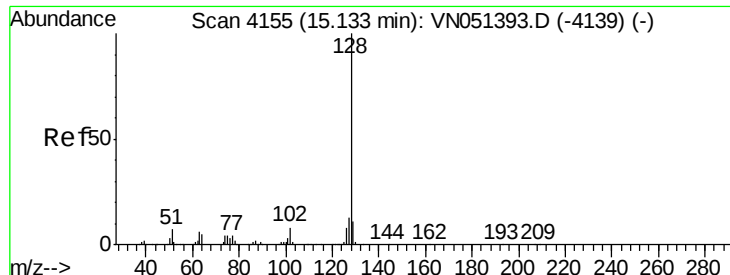
Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



Time-->





#95

Naphthalene

Concen: 8.049 ug/l

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN051505.D

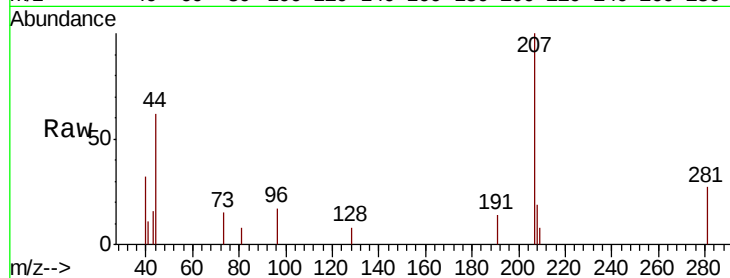
Acq: 26 Sep 2018 00:29

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW11-GW



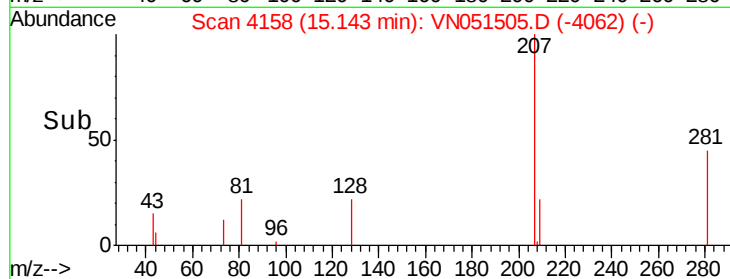
Tot Ion:128 Resp: 61

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 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

