

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092618\
 Data File : VN051504.D
 Acq On : 26 Sep 2018 00:04
 Operator : MD\SY
 Sample : J5053-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW06-GW

Quant Time: Sep 26 04:12:29 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	652381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1012414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	832211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309641	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	450440	55.12	ug/l	0.00
Spiked Amount			Recovery	=	110.24%	
35) Dibromofluoromethane	7.59	113	390512	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	10.09	98	1428347	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	12.40	95	385947	39.13	ug/l	0.00
Spiked Amount			Recovery	=	78.26%	

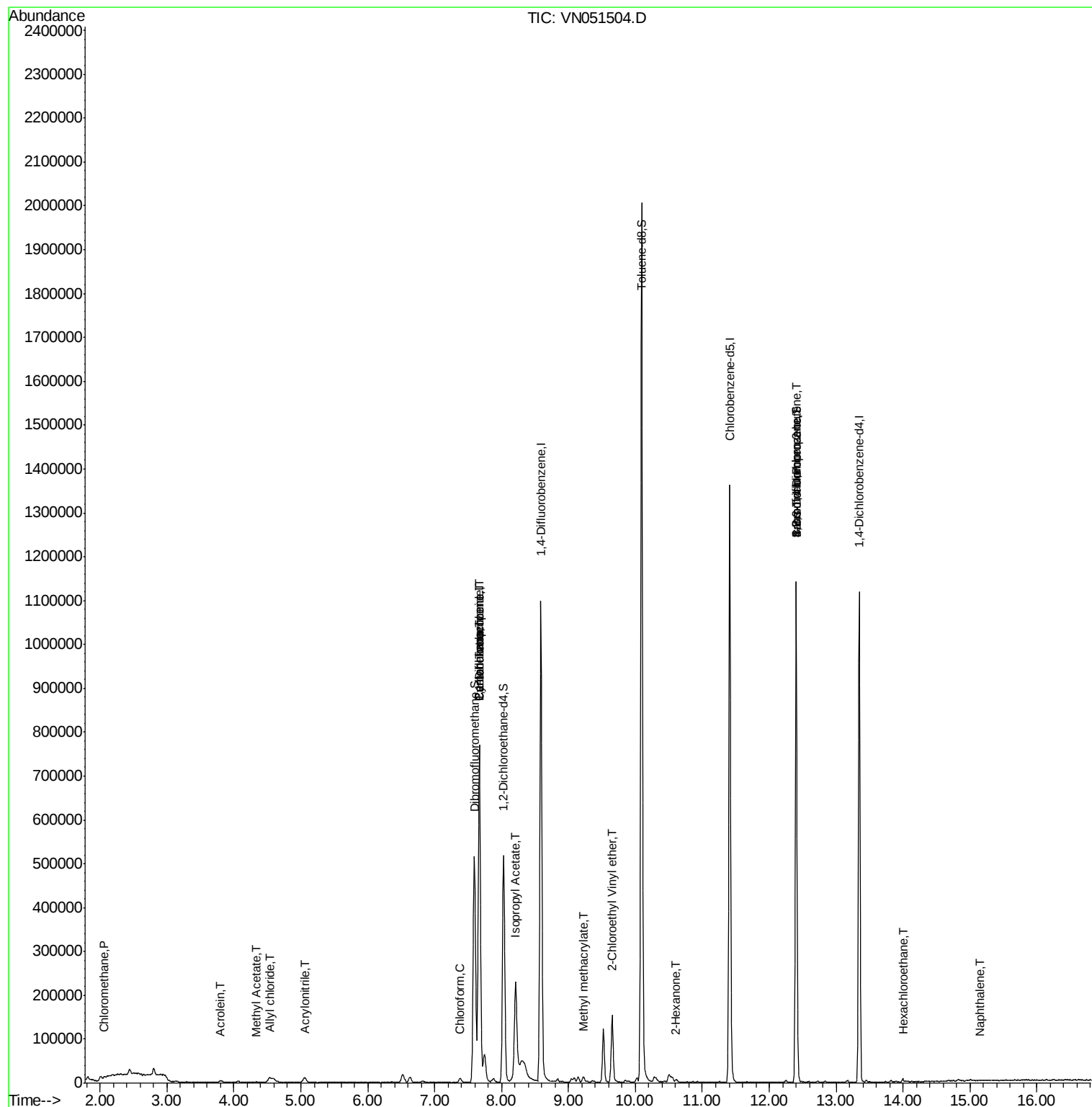
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2170	0.224	ug/l	97
13) Acrolein	3.80	56	625	1.365	ug/l #	26
14) Allyl chloride	4.53	41	5706	0.469	ug/l #	34
15) Acrylonitrile	5.05	53	583	0.232	ug/l #	17
16) Acetone	3.81	43	4987	Below Cal	#	78
18) Methyl Acetate	4.33	43	1785	0.287	ug/l #	87
30) Chloroform	7.37	83	6943	0.499	ug/l	99
31) Cyclohexane	7.67	56	14555	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45853	3.911	ug/l #	48
38) Carbon Tetrachloride	7.67	117	60132	4.904	ug/l #	16
43) Isopropyl Acetate	8.21	43	81430	6.680	ug/l #	60
48) Methyl methacrylate	9.22	41	4178	0.687	ug/l #	35
58) 2-Chloroethyl Vinyl ether	9.66	63	276	20.420	ug/l #	48
59) 2-Hexanone	10.61	43	2896	0.666	ug/l	80
71) Bromoform	12.40	173	2802	0.508	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	186796	36.340	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	186796	111.743	ug/l #	12
90) Hexachloroethane	14.00	117	3114	0.704	ug/l #	4
95) Naphthalene	15.14	128	436	8.076	ug/l #	69

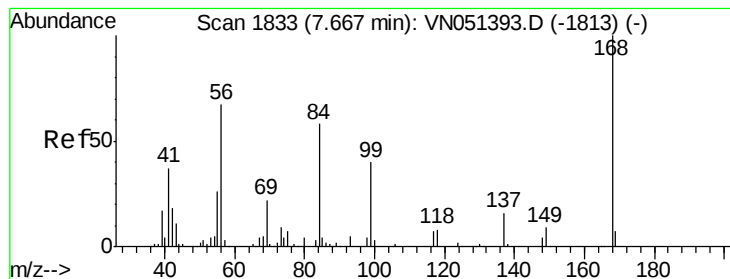
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051504.D

Acq: 26 Sep 2018 00:04

Instrument :

MSVOA_N

ClientSampleId :

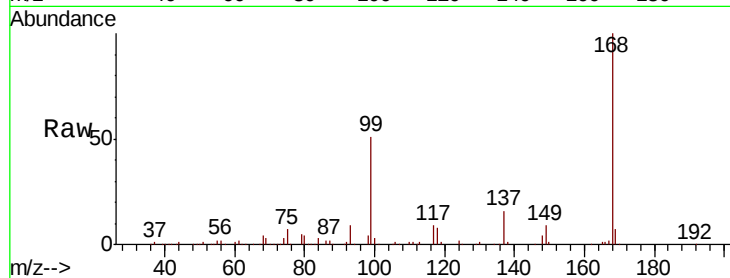
RFK-RMAB-MW06-GW

Tot Ion:168 Resp: 652381

Ion Ratio Lower Upper

168 100

99 51.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

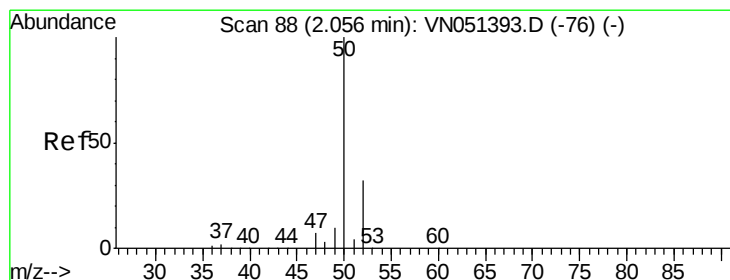
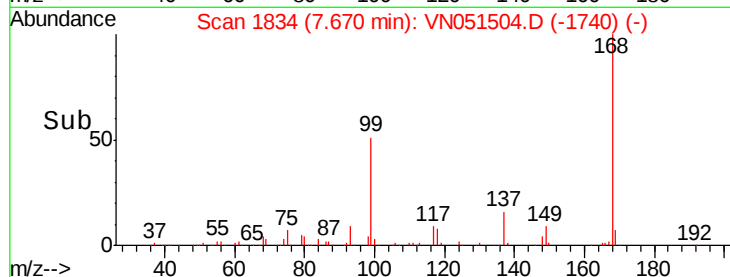
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.224 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051504.D

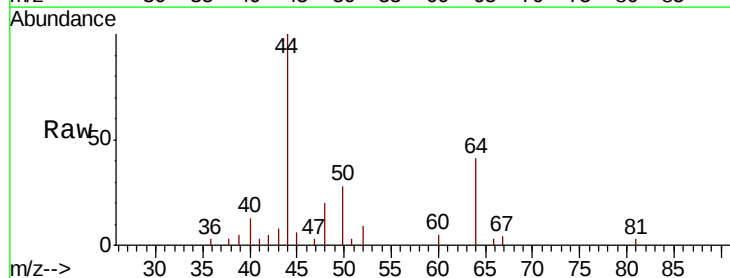
Acq: 26 Sep 2018 00:04

Tgt Ion: 50 Resp: 2170

Ion Ratio Lower Upper

50 100

52 33.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

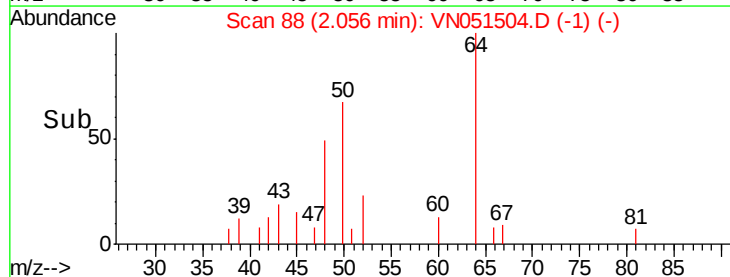
1500

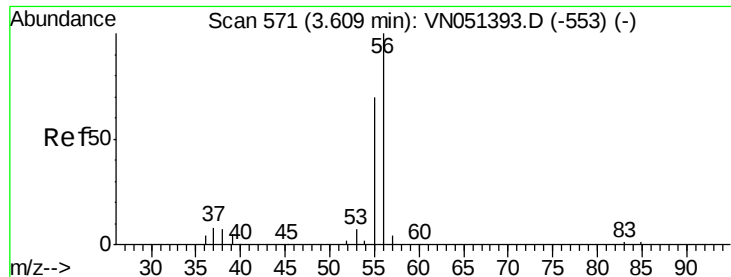
1000

500

0

Time-->





#13

Acrolein

Concen: 1.365 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.19 min

Lab File: VN051504.D

Acq: 26 Sep 2018 00:04

Instrument :

MSVOA_N

ClientSampleId :

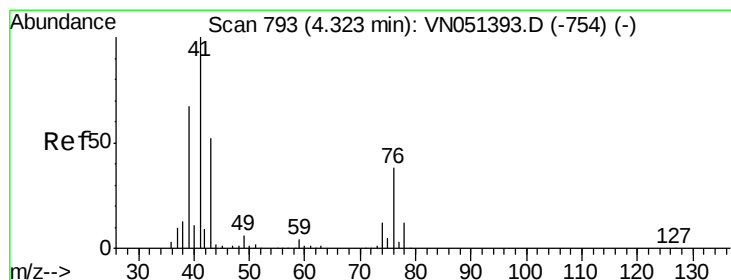
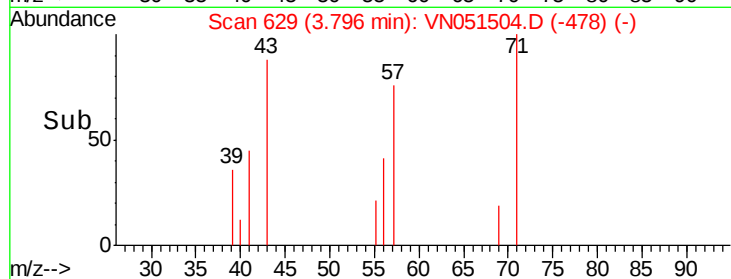
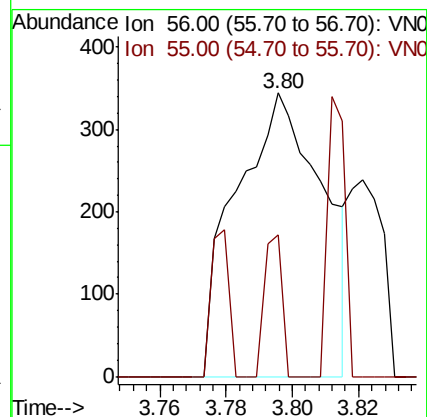
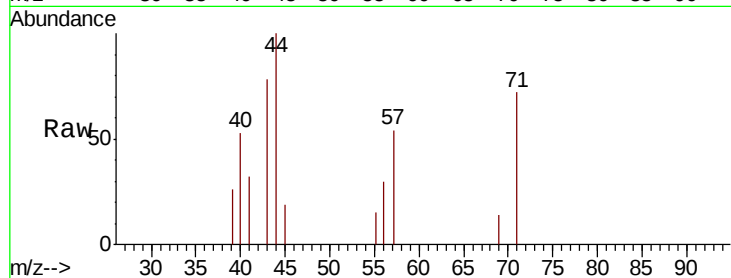
RFK-RMAB-MW06-GW

Tot Ion: 56 Resp: 625

Ion Ratio Lower Upper

56 100

55 10.2 57.8 86.8#



#14

Allyl chloride

Concen: 0.469 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.21 min

Lab File: VN051504.D

Acq: 26 Sep 2018 00:04

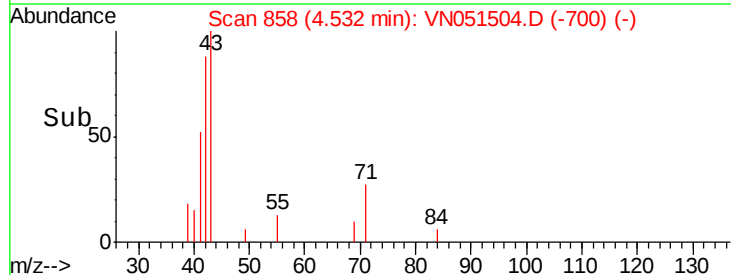
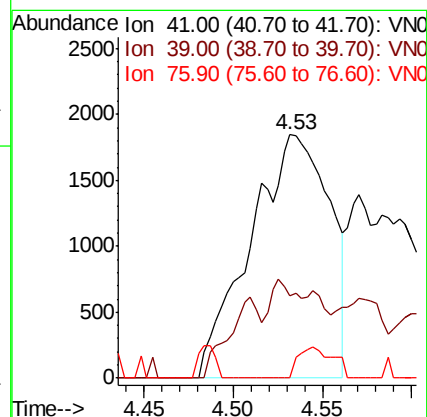
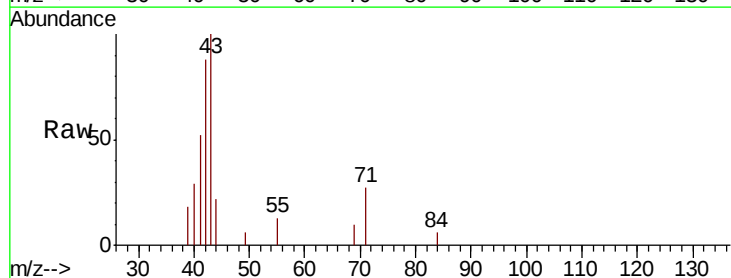
Tgt Ion: 41 Resp: 5706

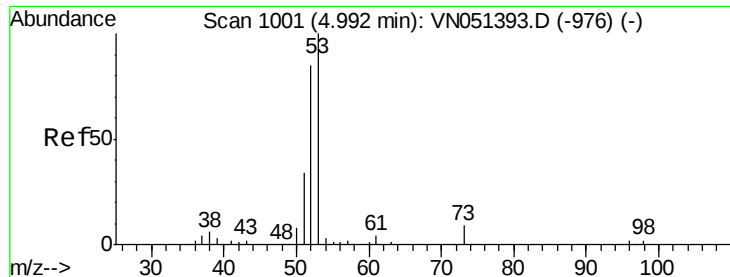
Ion Ratio Lower Upper

41 100

39 5.8 51.4 77.2#

76 5.6 28.1 42.1#





#15

Acrylonitrile

Concen: 0.232 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.06 min

Lab File: VN051504.D

Acq: 26 Sep 2018 00:04

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

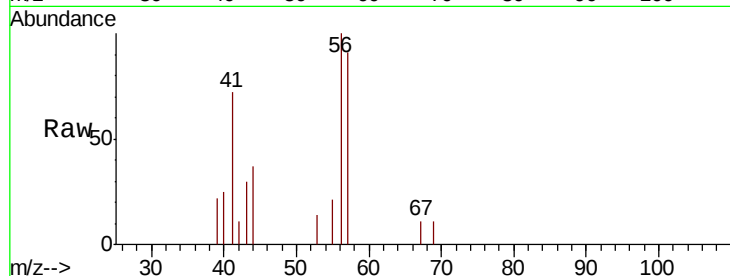
Tot Ion: 53 Resp: 583

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 0.0 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VN051393.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN051393.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN051393.D (-976) (-)

5.05

400

300

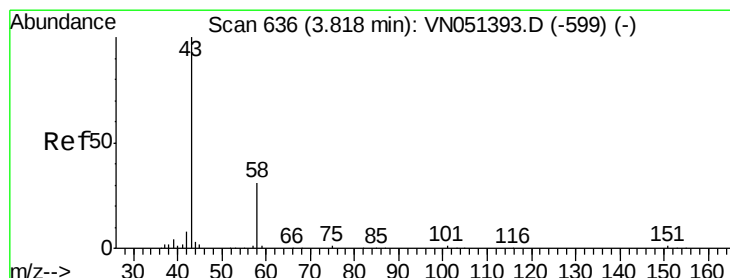
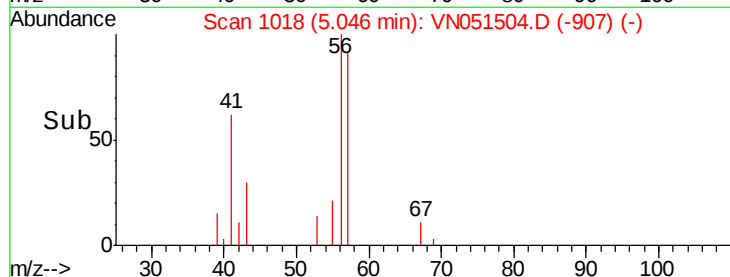
200

100

0

5.02 5.04 5.06 5.08

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN051504.D

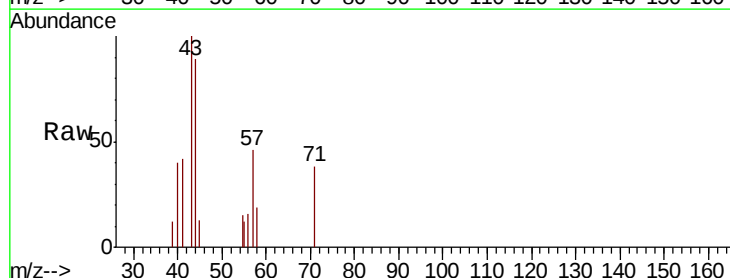
Acq: 26 Sep 2018 00:04

Tgt Ion: 43 Resp: 4987

Ion Ratio Lower Upper

43 100

58 19.1 25.0 37.4#



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

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

1500

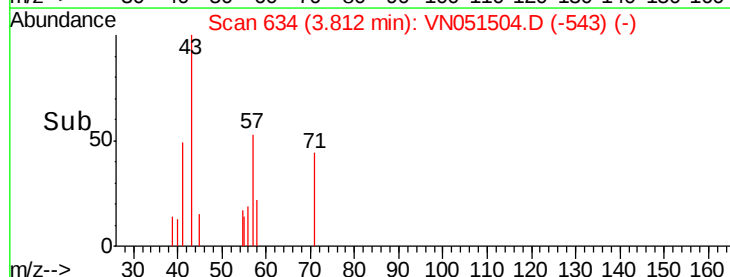
1000

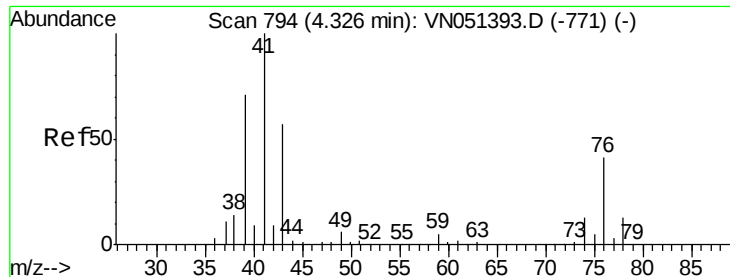
500

0

3.70 3.75 3.80 3.85 3.90

Time-->

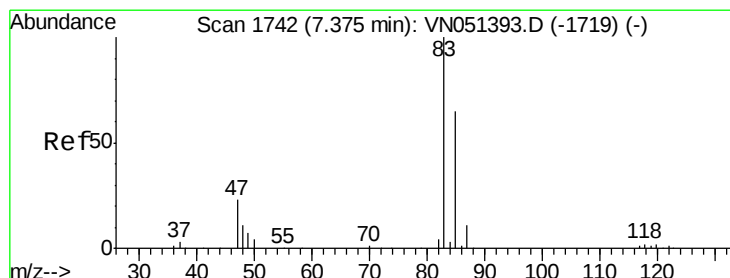
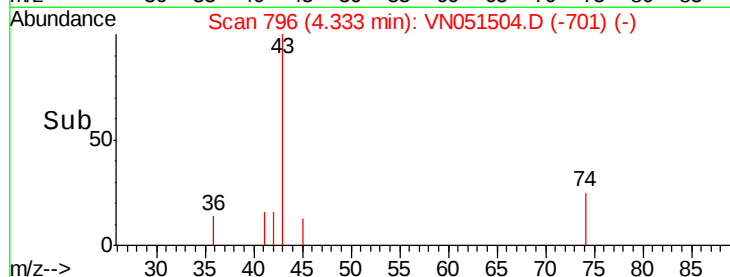
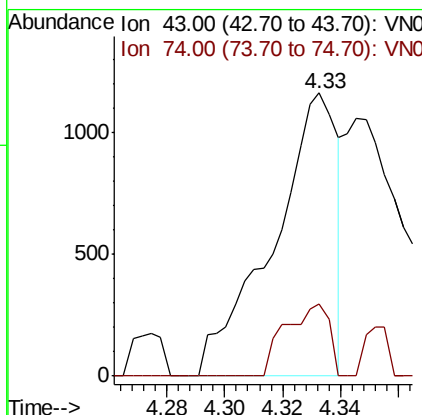
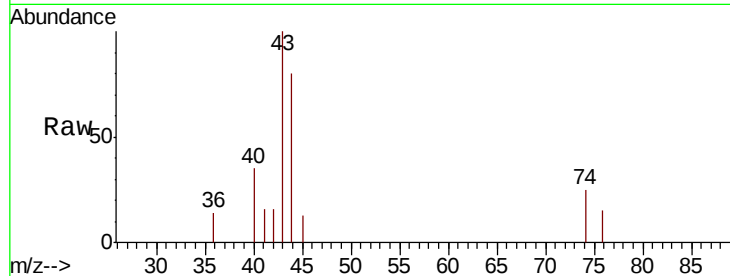




#18
Methyl Acetate
Concen: 0.287 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051504.D
Acq: 26 Sep 2018 00:04

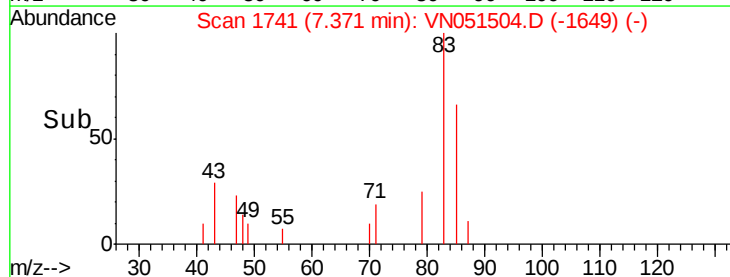
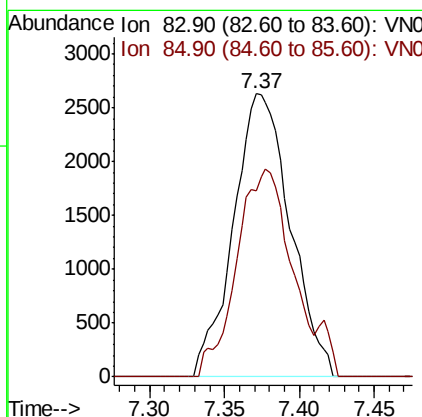
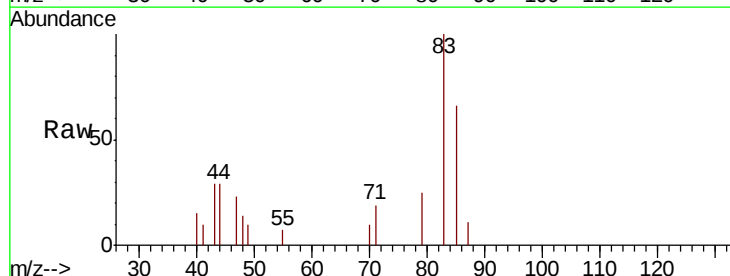
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW06-GW

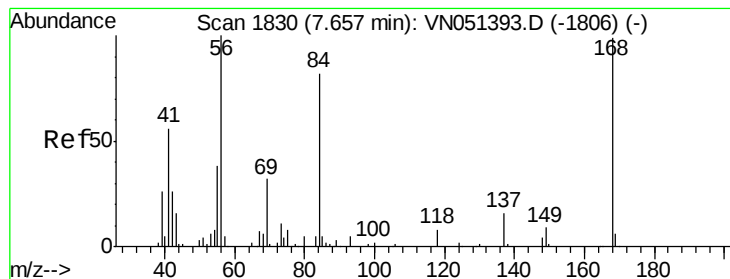
Tot Ion: 43 Resp: 1785
Ion Ratio Lower Upper
43 100
74 17.2 18.8 28.2#



#30
Chloroform
Concen: 0.499 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051504.D
Acq: 26 Sep 2018 00:04

Tgt Ion: 83 Resp: 6943
Ion Ratio Lower Upper
83 100
85 65.6 51.8 77.6





#31

Cyclohexane

Concen: 1.131 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051504.D

Acq: 26 Sep 2018 00:04

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

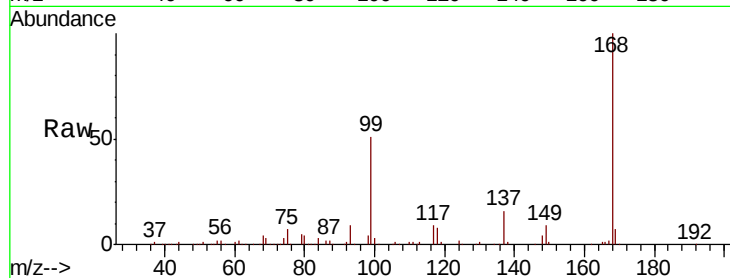
Tot Ion: 56 Resp: 14555

Ion Ratio Lower Upper

56 100

69 165.8 25.8 38.6#

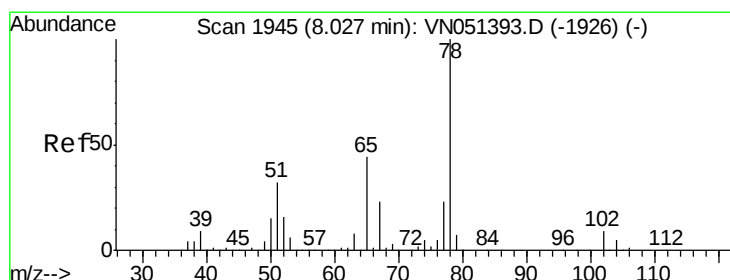
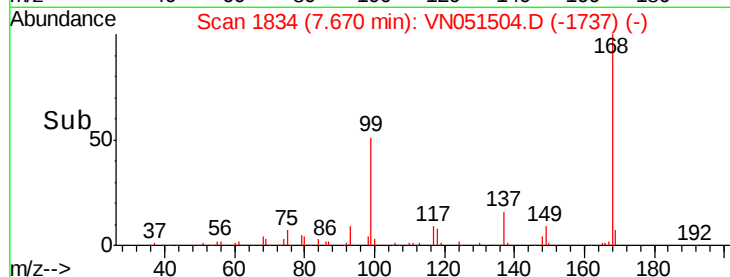
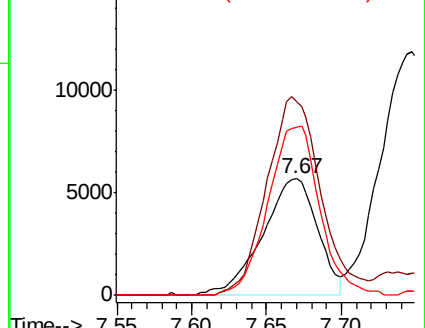
84 143.3 66.0 99.0#



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: 55.118 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051504.D

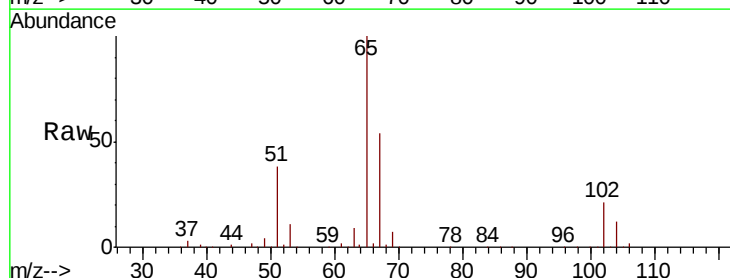
Acq: 26 Sep 2018 00:04

Tgt Ion: 65 Resp: 450440

Ion Ratio Lower Upper

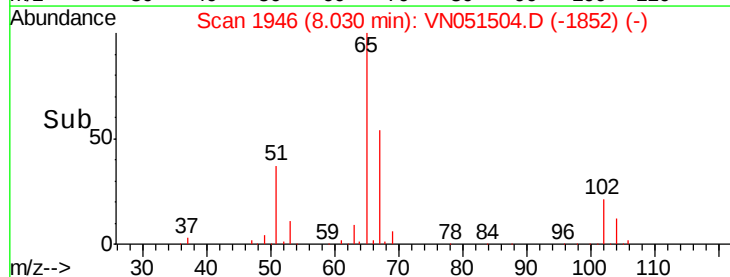
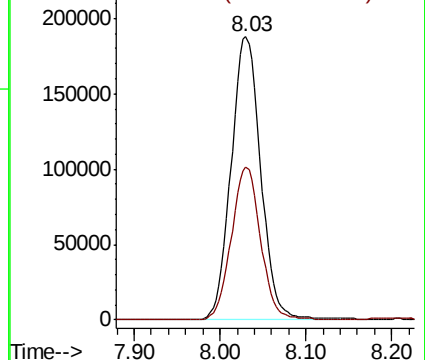
65 100

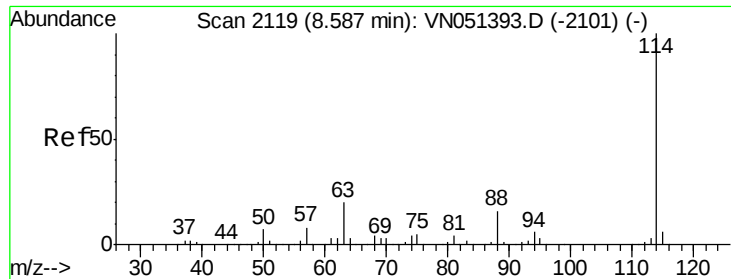
67 53.1 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

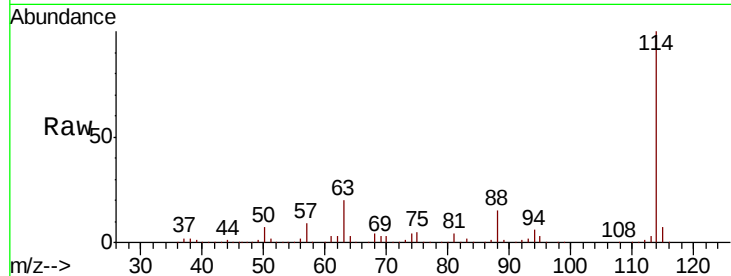




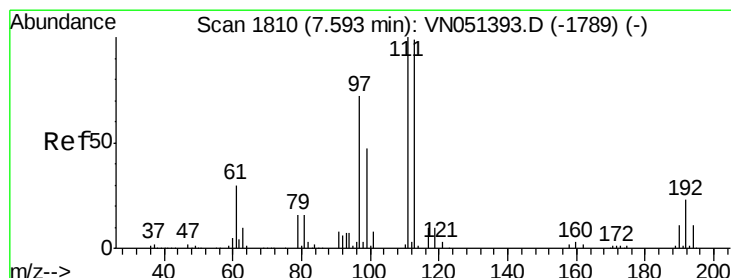
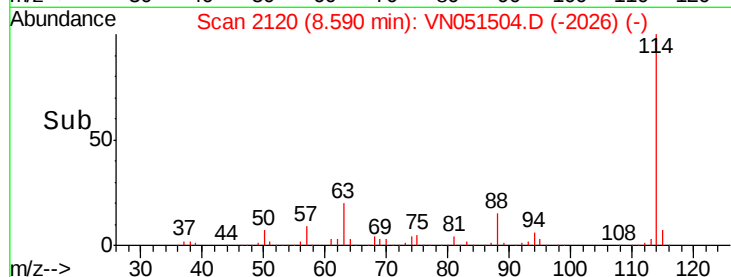
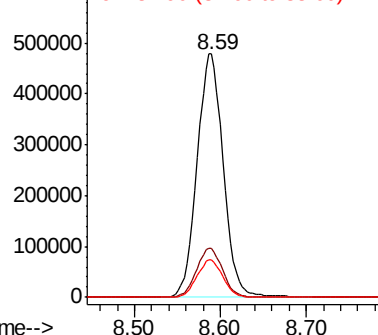
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2120
Delta R.T. 0.00 min
Lab File: VN051504.D
Acq: 26 Sep 2018 00:04

Instrument :
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ClientSampleId :
RFK-RMAB-MW06-GW

Tot Ion:114 Resp: 1012414
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.2
88 15.5 0.0 31.4

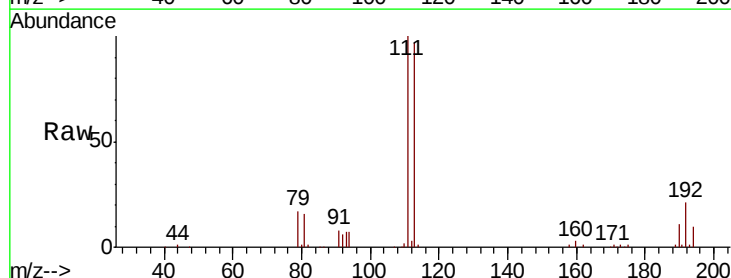


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

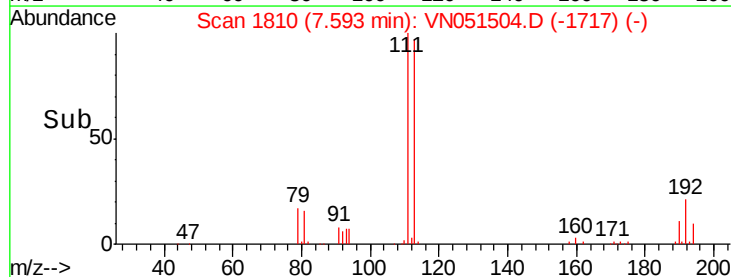
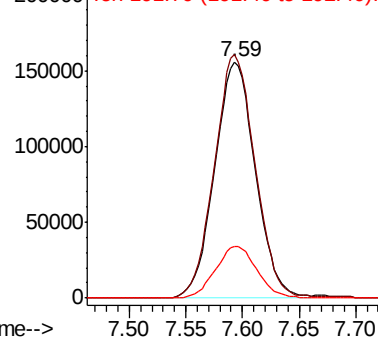


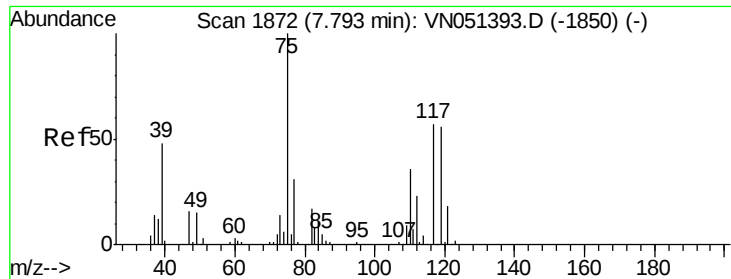
#35
Dibromofluoromethane
Concen: 48.236 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051504.D
Acq: 26 Sep 2018 00:04

Tgt Ion:113 Resp: 390512
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 22.3 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

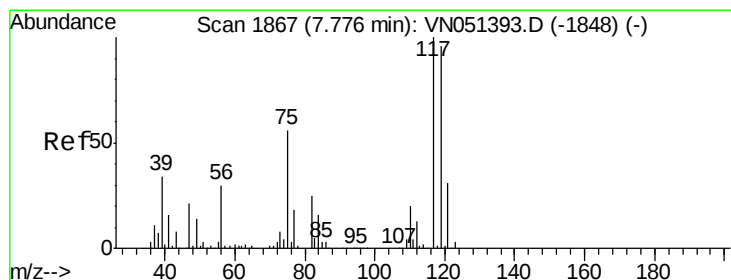
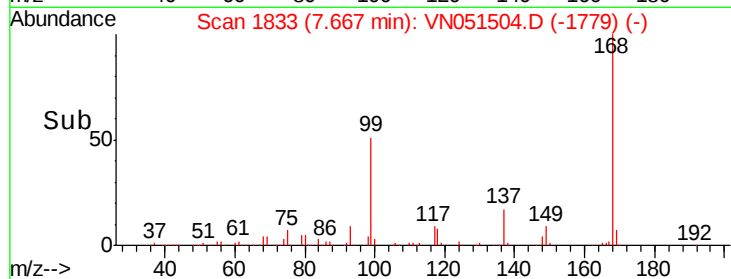
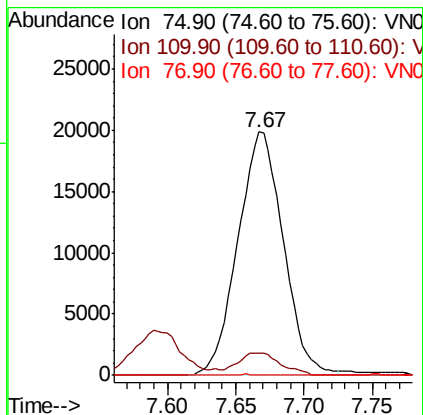
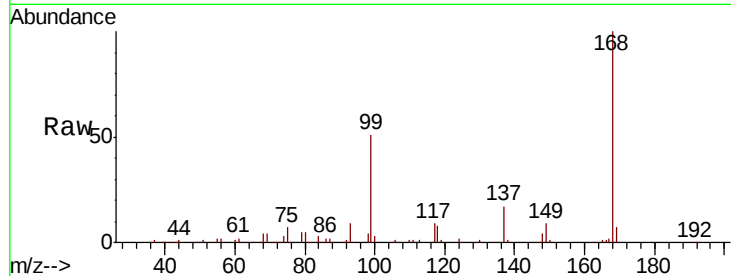




#36
 1,1-Dichloropropene
 Concen: 3.911 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051504.D
 Acq: 26 Sep 2018 00:04

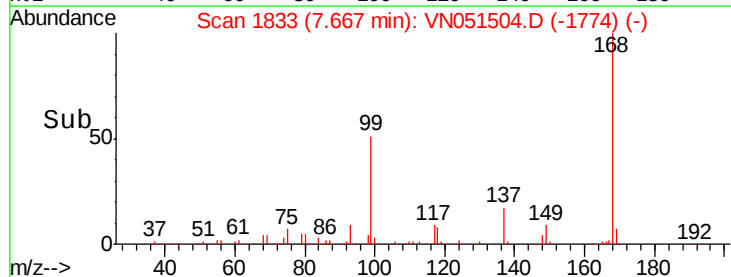
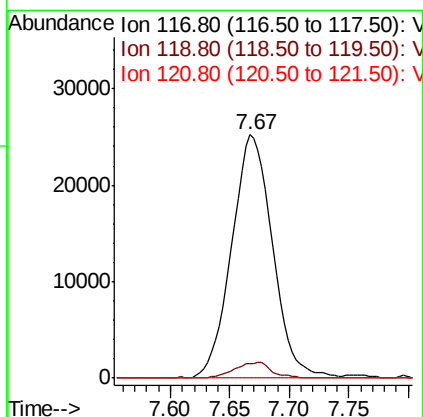
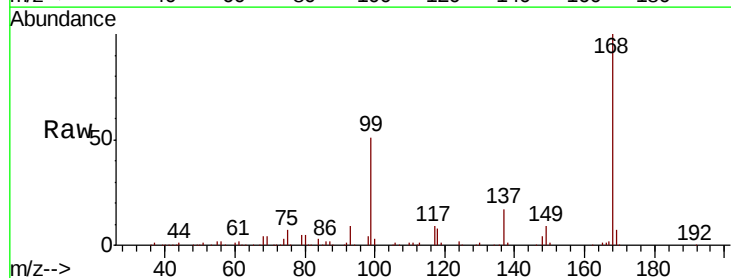
Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW06-GW

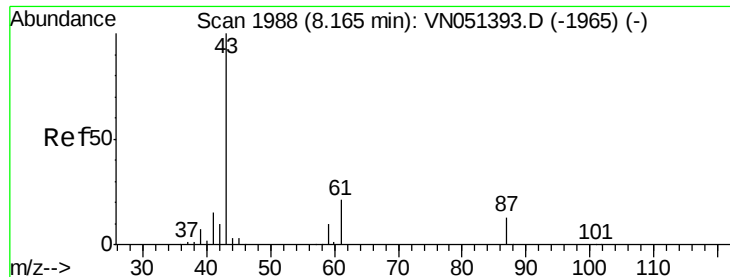
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.3#
77	0.1	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 4.904 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051504.D
 Acq: 26 Sep 2018 00:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.9	115.3#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 6.680 ug/l

RT: 8.21 min Scan# 2003

Delta R.T. 0.05 min

Lab File: VN051504.D

Acq: 26 Sep 2018 00:04

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

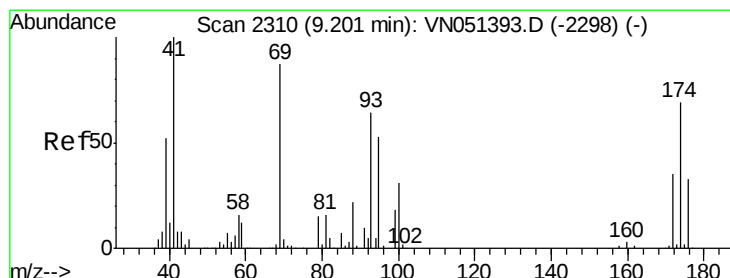
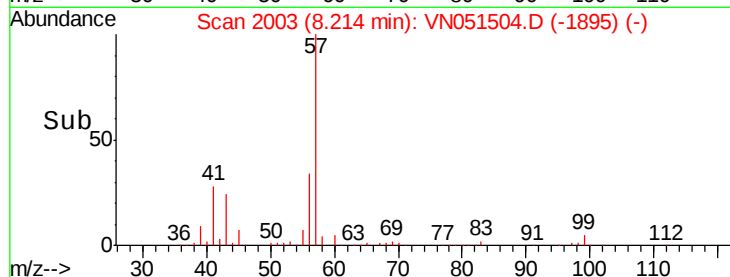
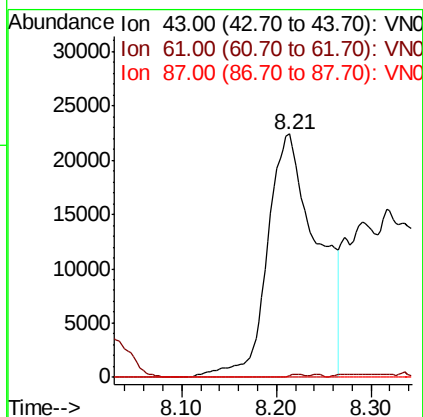
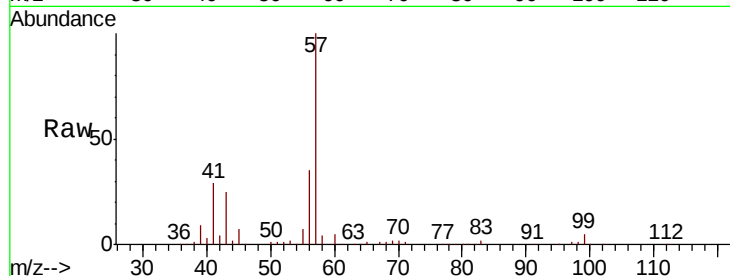
Tot Ion: 43 Resp: 81430

Ion Ratio Lower Upper

43 100

61 0.5 16.8 25.2#

87 0.0 10.7 16.1#



#48

Methyl methacrylate

Concen: 0.687 ug/l

RT: 9.22 min Scan# 2317

Delta R.T. 0.02 min

Lab File: VN051504.D

Acq: 26 Sep 2018 00:04

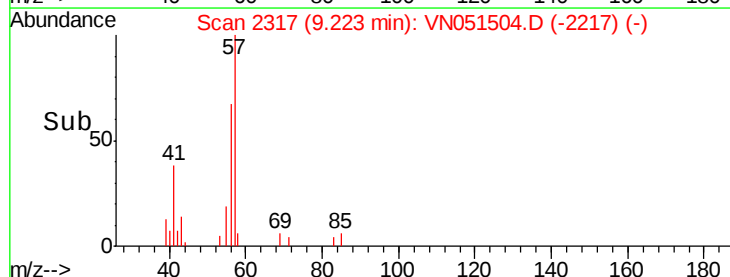
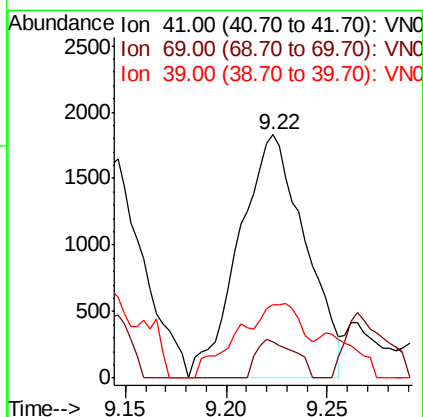
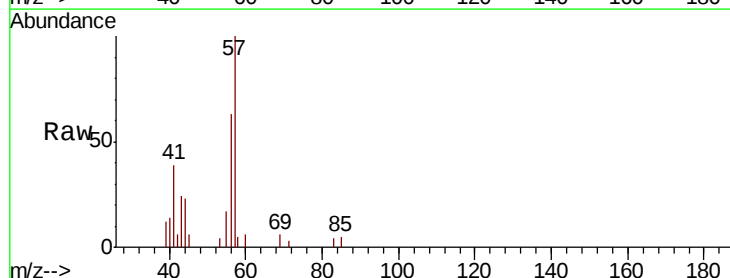
Tgt Ion: 41 Resp: 4178

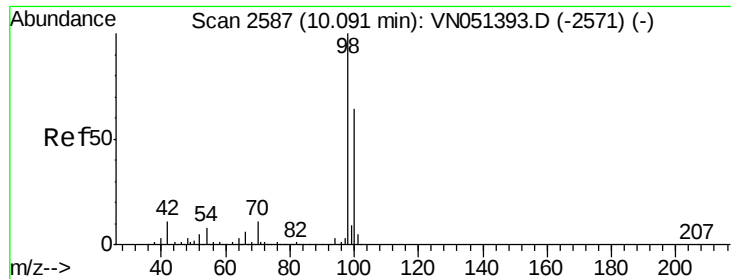
Ion Ratio Lower Upper

41 100

69 9.2 70.4 105.6#

39 30.3 43.8 65.8#





#50

Toluene-d8

Concen: 46.853 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051504.D

Acq: 26 Sep 2018 00:04

Instrument :

MSVOA_N

ClientSampleId :

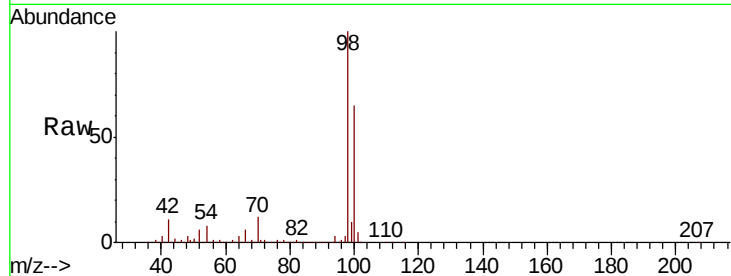
RFK-RMAB-MW06-GW

Tot Ion: 98 Resp: 1428347

Ion Ratio Lower Upper

98 100

100 63.7 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

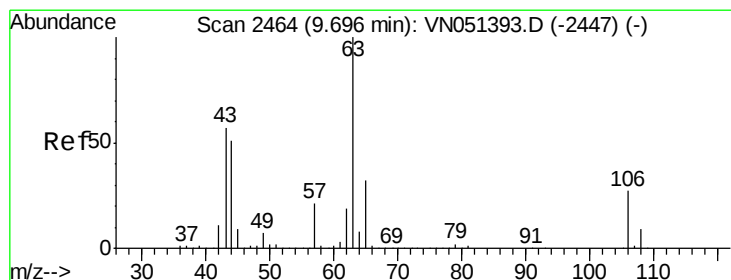
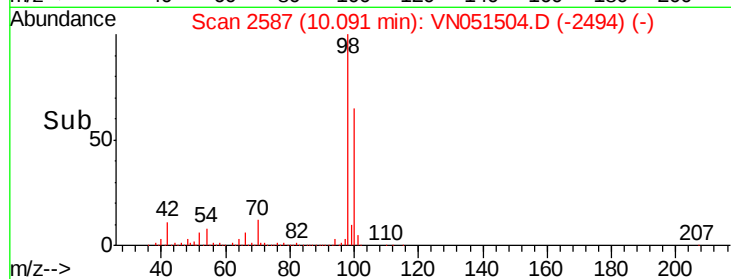
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 20.420 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.03 min

Lab File: VN051504.D

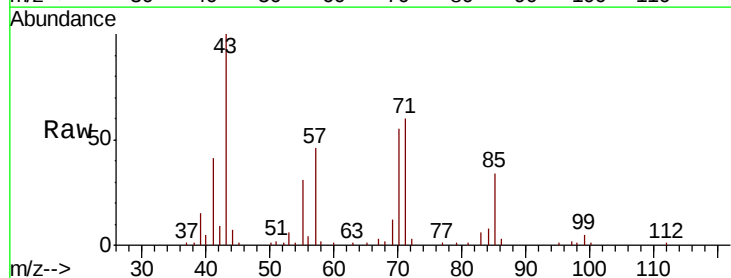
Acq: 26 Sep 2018 00:04

Tgt Ion: 63 Resp: 276

Ion Ratio Lower Upper

63 100

106 0.0 21.4 32.2#



Abundance Ion 62.90 (62.60 to 63.60): VN051393.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN051393.D (-2447) (-)

9.66

300

250

200

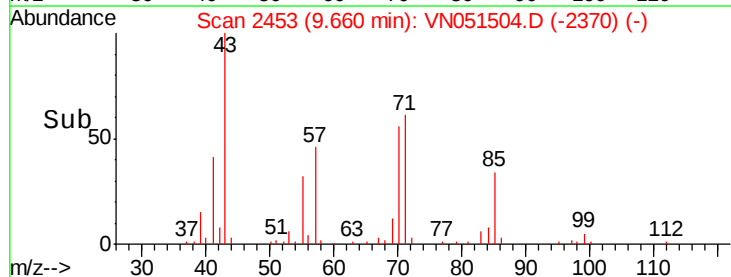
150

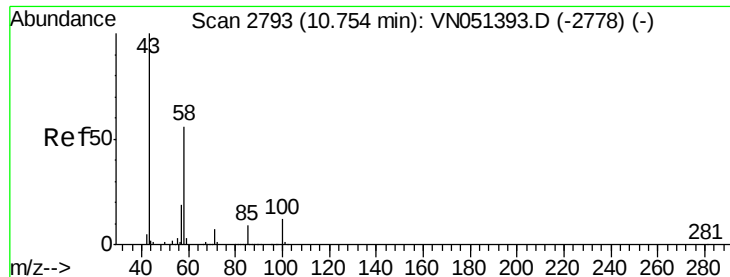
100

50

0

Time-->

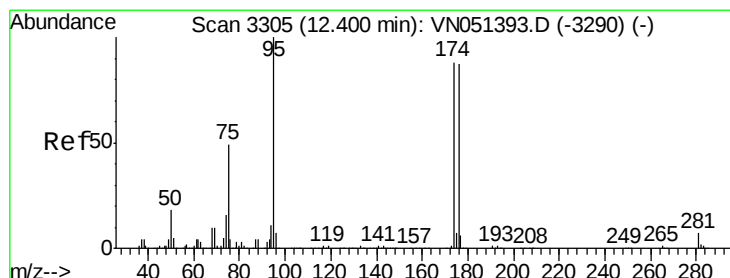
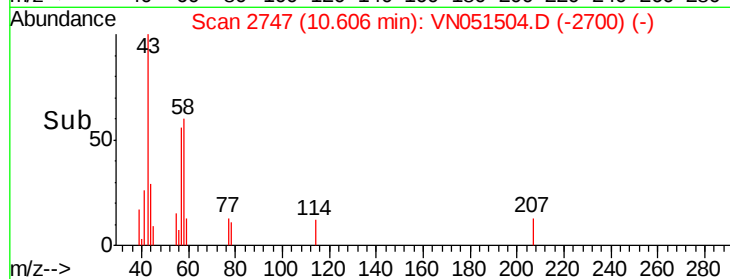
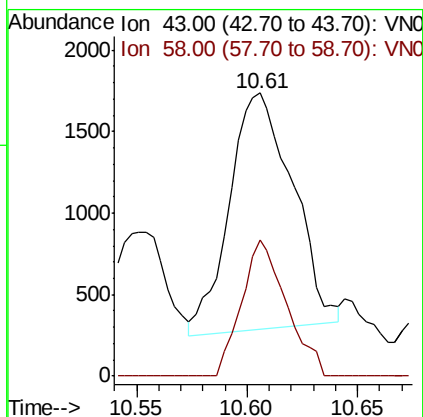
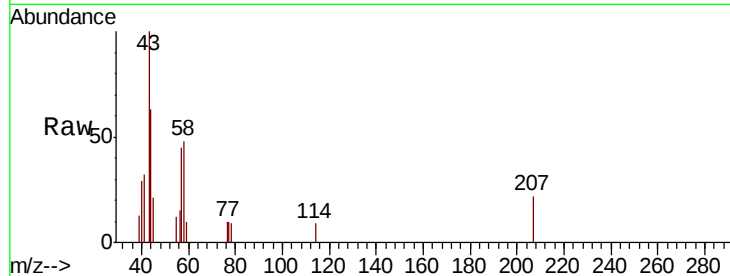




#59
2-Hexanone
Concen: 0.666 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. -0.15 min
Lab File: VN051504.D
Acq: 26 Sep 2018 00:04

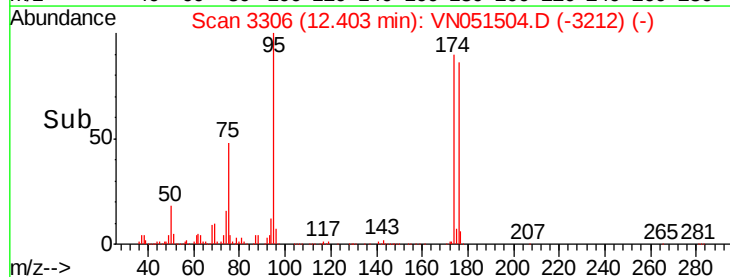
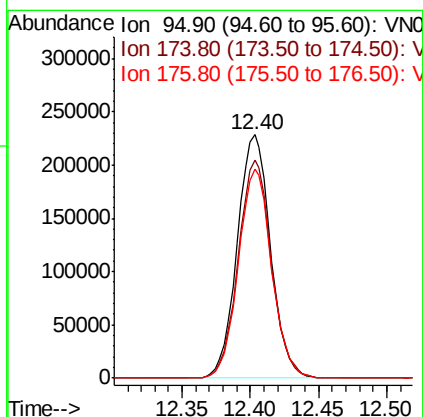
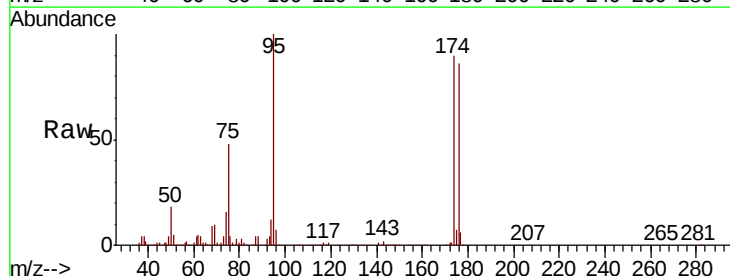
Instrument :
MSVOA_N
ClientSampleId :
RKF-RMAB-MW06-GW

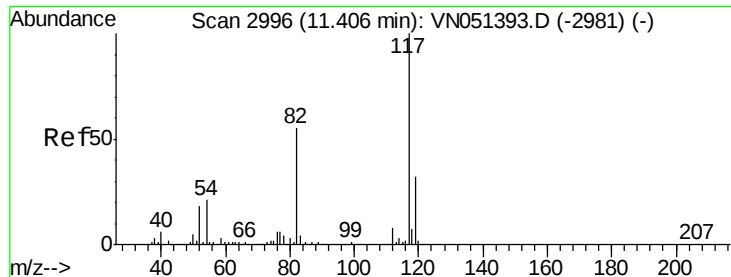
Tot Ion: 43 Resp: 2896
Ion Ratio Lower Upper
43 100
58 40.8 27.7 83.0



#62
4-Bromofluorobenzene
Concen: 39.134 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051504.D
Acq: 26 Sep 2018 00:04

Tgt Ion: 95 Resp: 385947
Ion Ratio Lower Upper
95 100
174 89.4 0.0 181.6
176 86.0 0.0 176.4

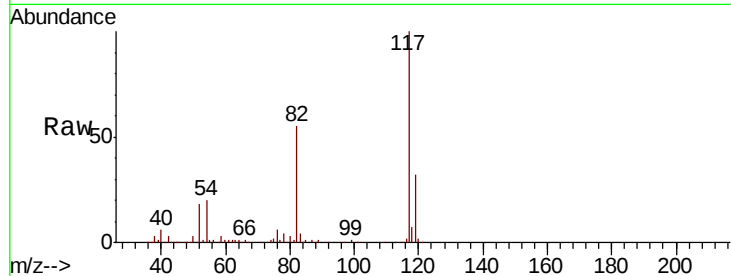




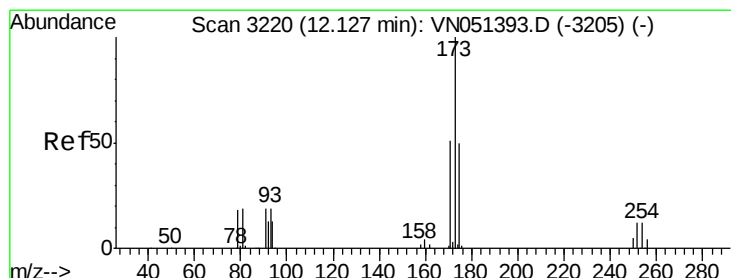
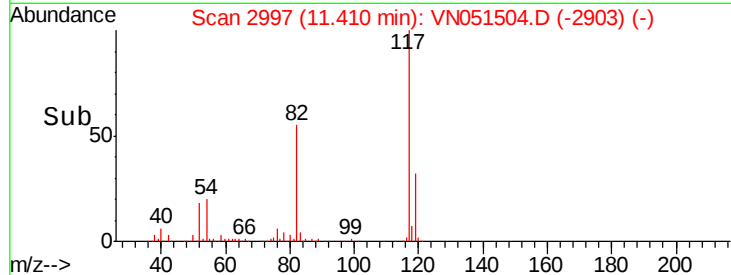
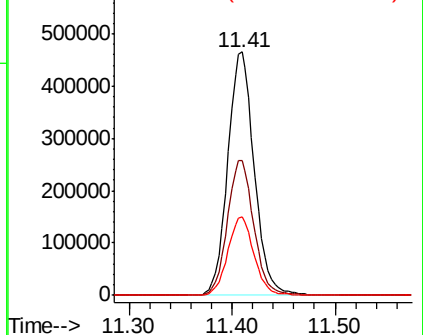
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051504.D
Acq: 26 Sep 2018 00:04

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW06-GW

Tot Ion:117 Resp: 832211
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 32.2 25.9 38.9

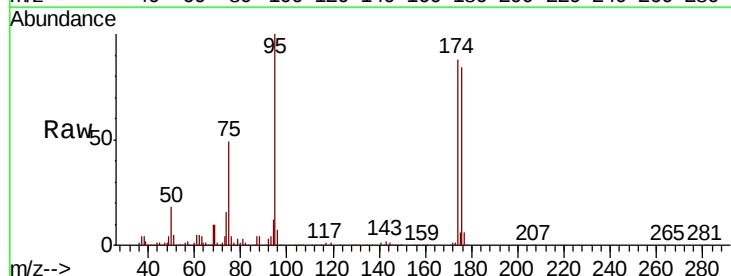


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

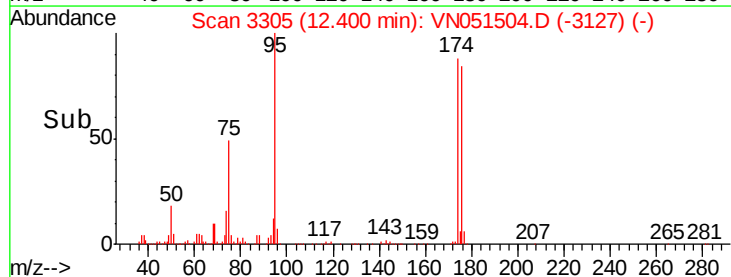
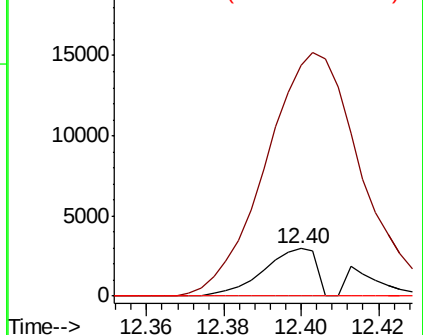


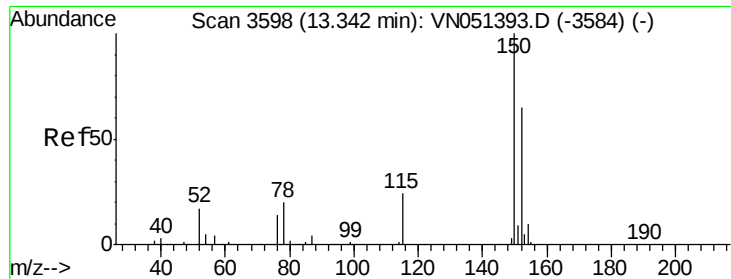
#71
Bromoform
Concen: 0.508 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051504.D
Acq: 26 Sep 2018 00:04

Tgt Ion:173 Resp: 2802
Ion Ratio Lower Upper
173 100
175 770.1 24.8 74.3#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051504.D

Acq: 26 Sep 2018 00:04

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

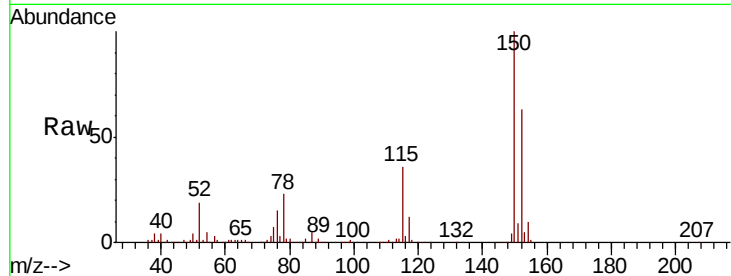
Tot Ion:152 Resp: 309641

Ion Ratio Lower Upper

152 100

115 57.2 28.3 84.9

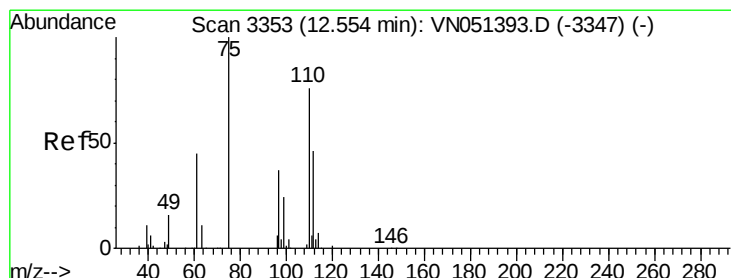
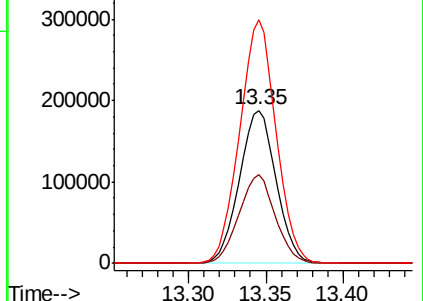
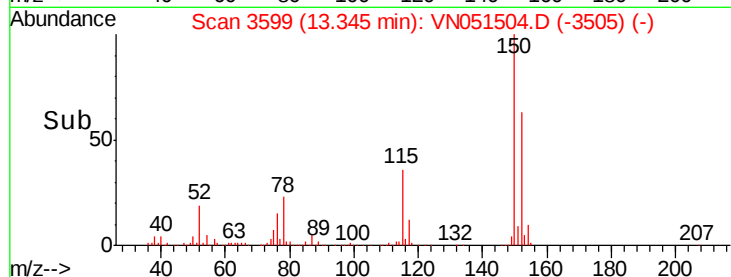
150 157.9 0.0 353.6



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: 36.340 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051504.D

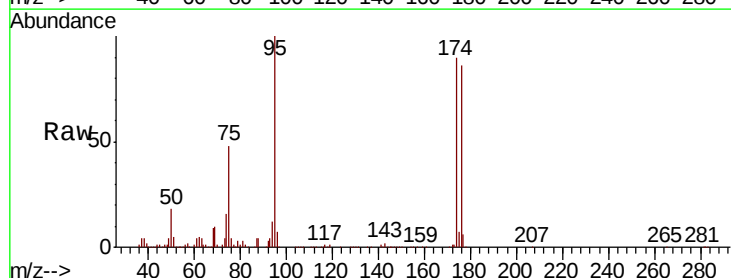
Acq: 26 Sep 2018 00:04

Tgt Ion: 75 Resp: 186796

Ion Ratio Lower Upper

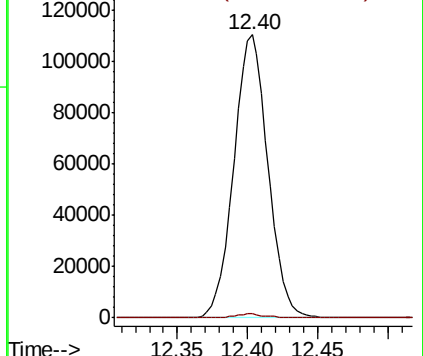
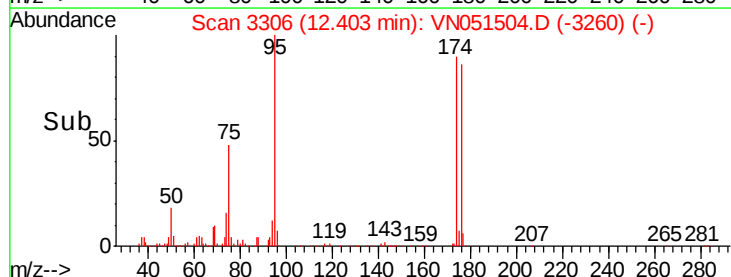
75 100

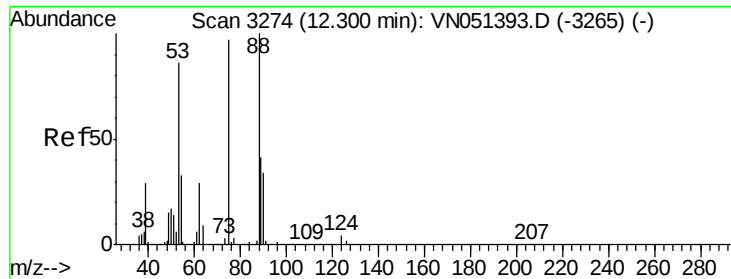
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 111.743 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051504.D

Acq: 26 Sep 2018 00:04

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW

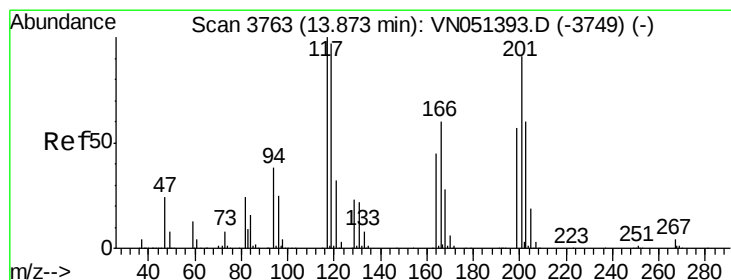
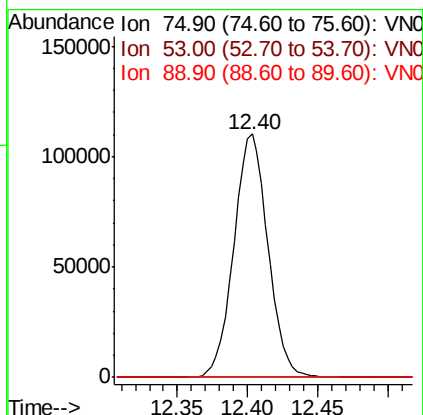
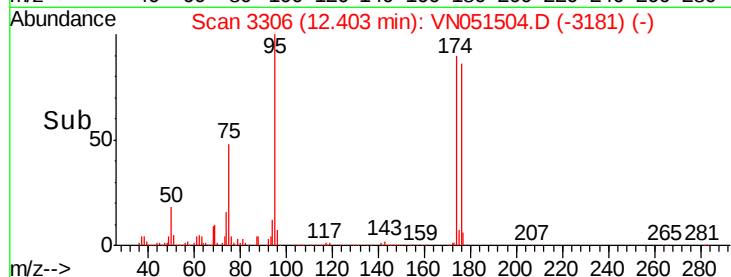
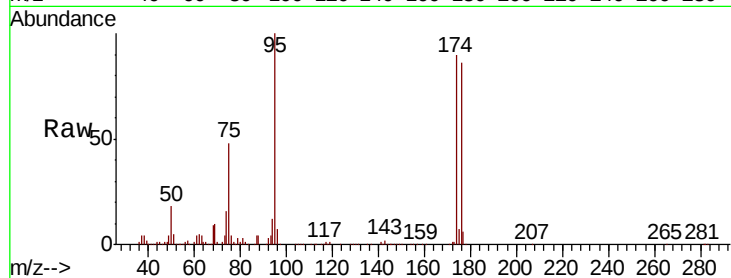
Tot Ion: 75 Resp: 186796

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

89 0.0 36.7 55.1#



#90

Hexachloroethane

Concen: 0.704 ug/l

RT: 14.00 min Scan# 3802

Delta R.T. 0.13 min

Lab File: VN051504.D

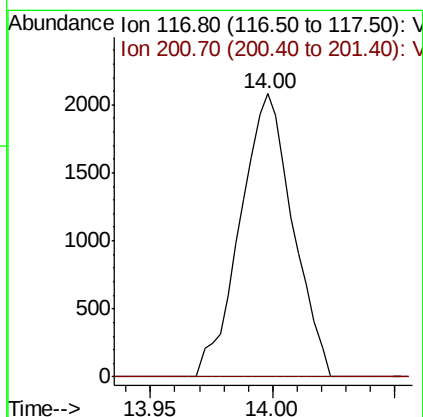
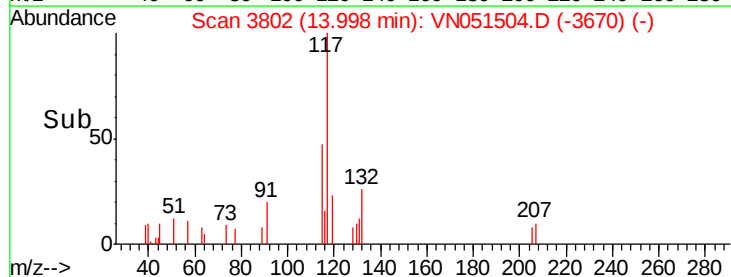
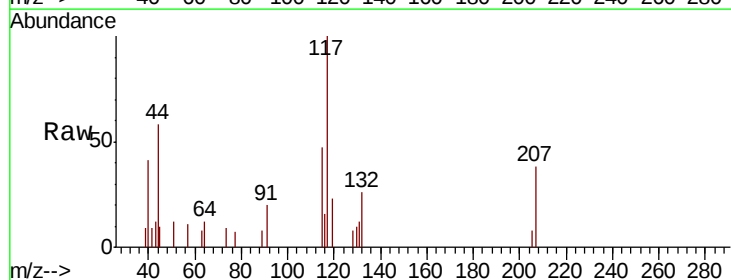
Acq: 26 Sep 2018 00:04

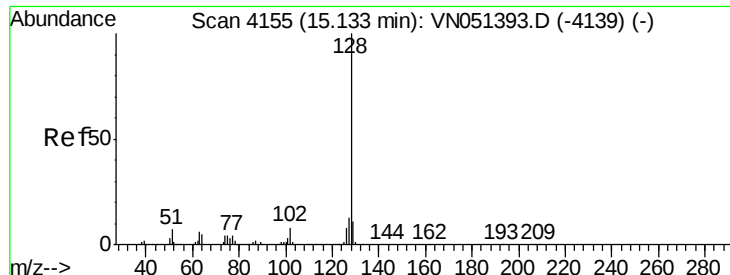
Tgt Ion: 117 Resp: 3114

Ion Ratio Lower Upper

117 100

201 0.0 45.5 136.4#





#95

Naphthalene

Concen: 8.076 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN051504.D

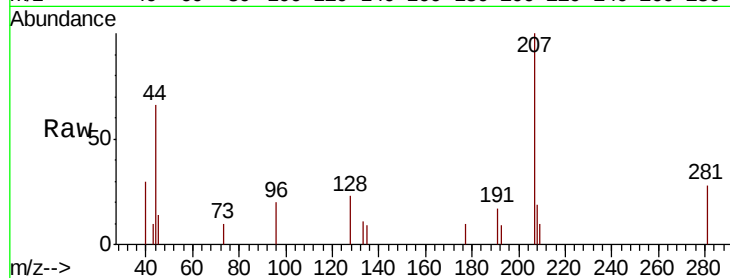
Acq: 26 Sep 2018 00:04

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW06-GW



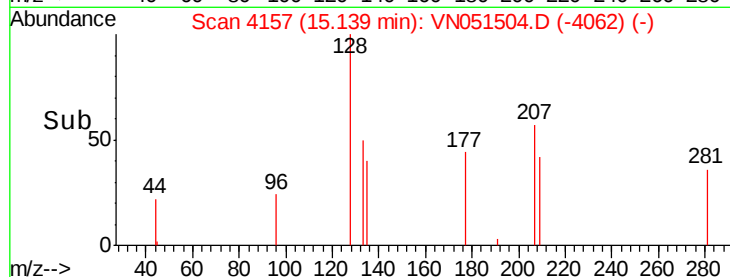
Tot Ion:128 Resp: 436

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

