

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051540.D
 Acq On : 26 Sep 2018 17:27
 Operator : MD\SY
 Sample : VN0927WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBL01

Quant Time: Sep 27 07:57:24 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	698480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1086778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	905479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	325927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	481159	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
35) Dibromofluoromethane	7.59	113	425072	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	10.09	98	1518948	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
62) 4-Bromofluorobenzene	12.40	95	415012	39.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.40%	

Target Compounds

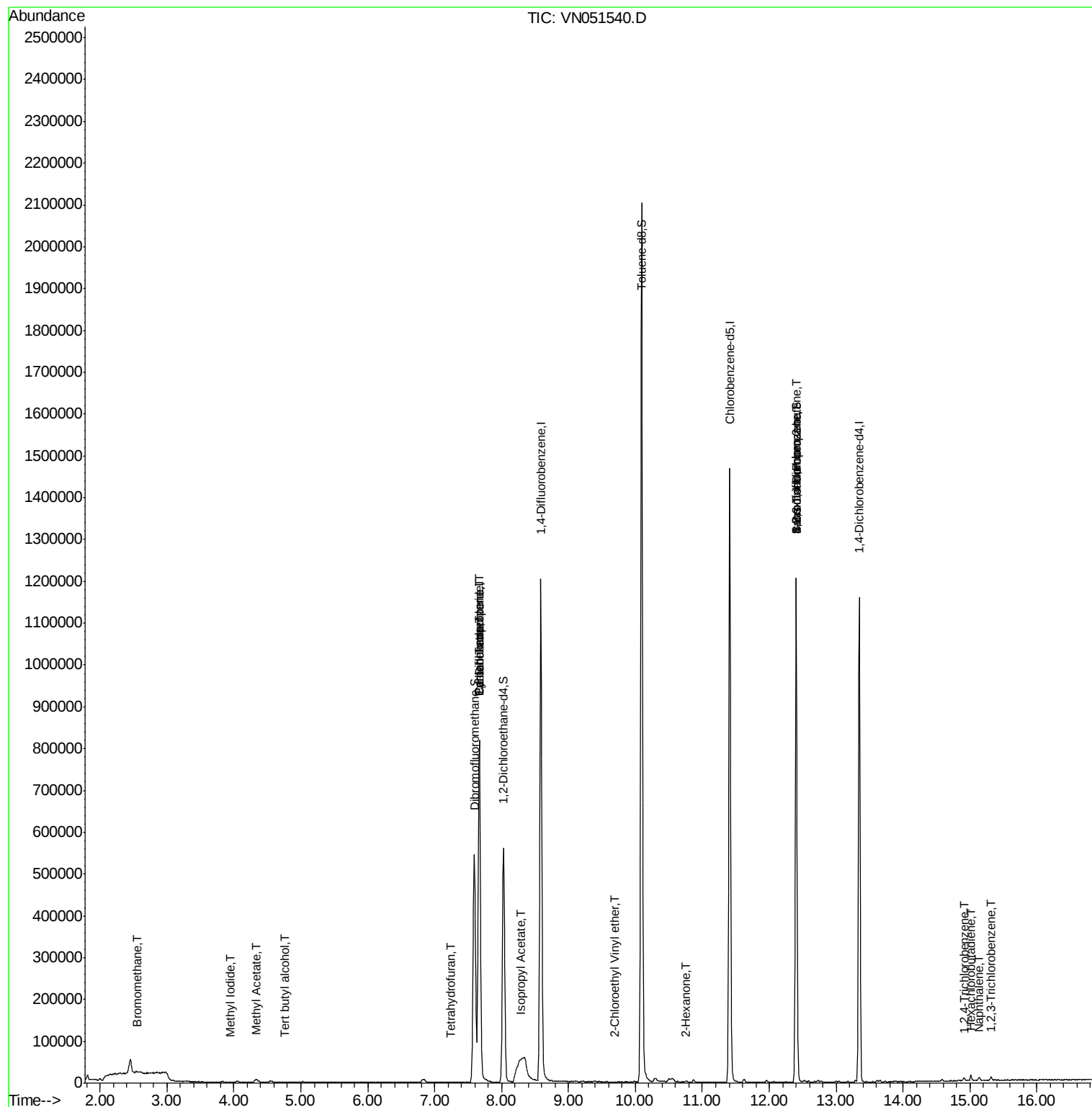
						Qvalue
5) Bromomethane	2.56	94	1718	0.309	ug/l #	62
10) Methyl Iodide	3.95	142	287	0.302	ug/l #	42
11) Tert butyl alcohol	4.75	59	676	1.369	ug/l #	78
16) Acetone	3.83	43	1514	Below Cal	#	86
18) Methyl Acetate	4.33	43	14809	2.222	ug/l #	87
29) Tetrahydrofuran	7.23	42	1159	0.611	ug/l #	34
31) Cyclohexane	7.67	56	13264	0.963	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	50412	4.006	ug/l #	48
38) Carbon Tetrachloride	7.66	117	63736	4.842	ug/l #	18
43) Isopropyl Acetate	8.27	43	63039	4.818	ug/l #	60
58) 2-Chloroethyl Vinyl ether	9.69	63	168	20.398	ug/l #	48
59) 2-Hexanone	10.75	43	1457	0.312	ug/l #	54
71) Bromoform	12.40	173	1449	0.241	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	203251	37.565	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	203251	115.511	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	2669	6.355	ug/l	91
94) Hexachlorobutadiene	15.01	225	2833	0.641	ug/l	90
95) Naphthalene	15.14	128	6898	8.522	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.32	180	3805	0.678	ug/l	92

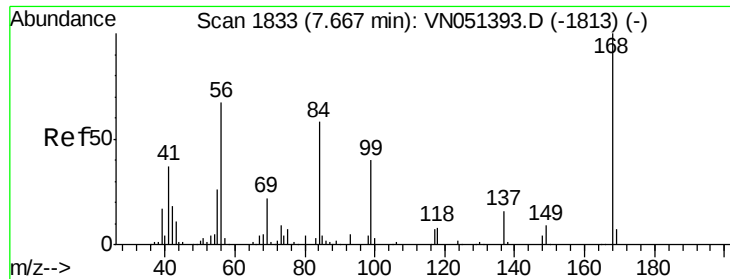
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092718\
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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

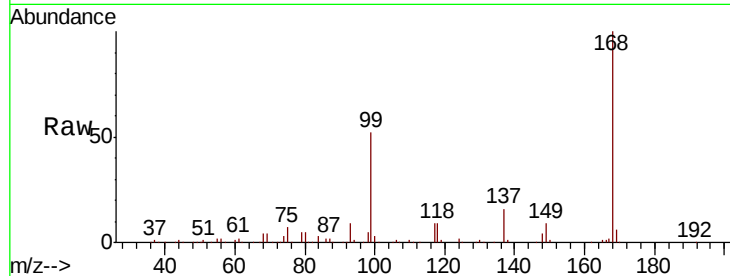
VN0927WBL01

Tot Ion:168 Resp: 698480

Ion Ratio Lower Upper

168 100

99 51.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

300000

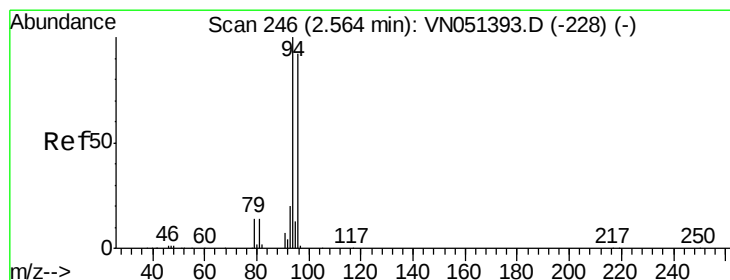
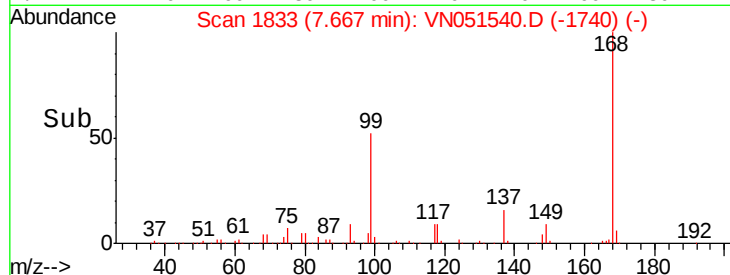
200000

100000

0

Time-->

7.60 7.70 7.80



#5

Bromomethane

Concen: 0.309 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051540.D

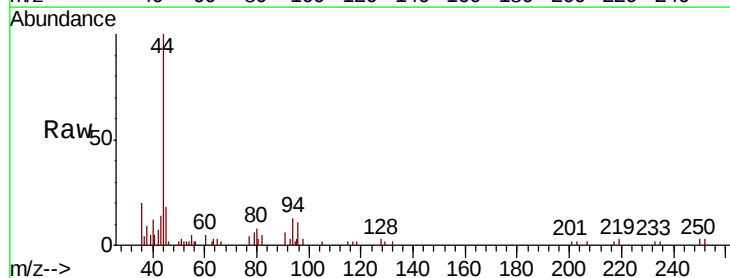
Acq: 26 Sep 2018 17:27

Tgt Ion: 94 Resp: 1718

Ion Ratio Lower Upper

94 100

96 55.7 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

1200

1000

800

600

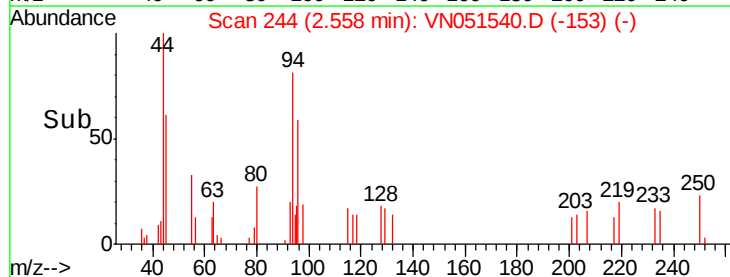
400

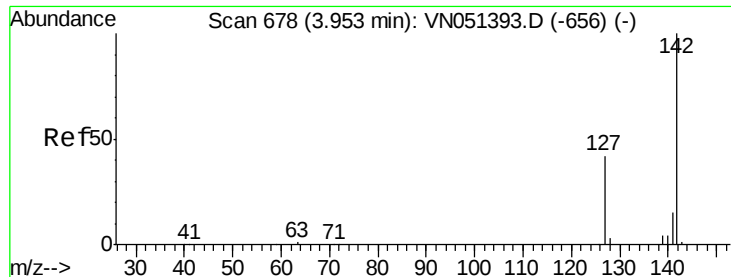
200

0

Time-->

2.50 2.55 2.60

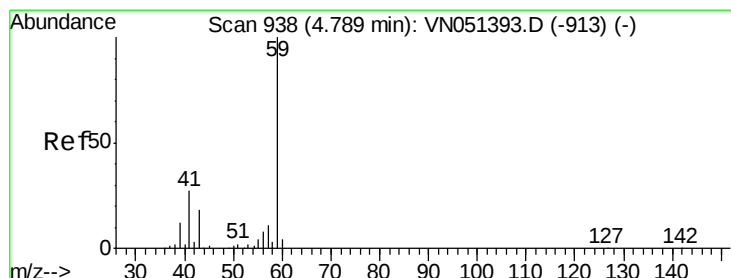
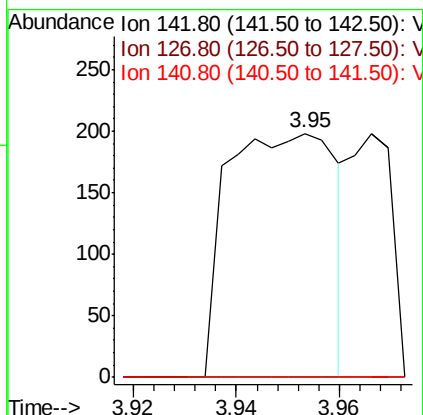
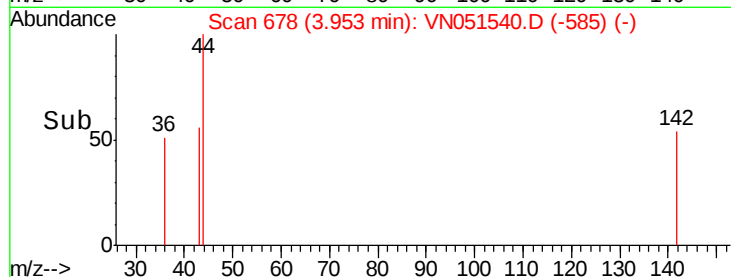
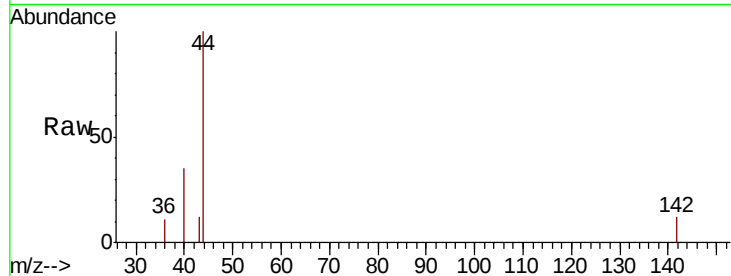




#10
Methvl Iodide
Concen: 0.302 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051540.D
Acq: 26 Sep 2018 17:27

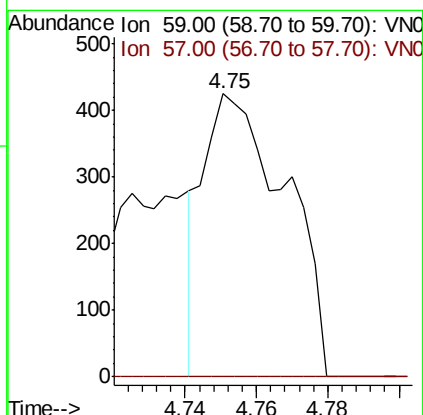
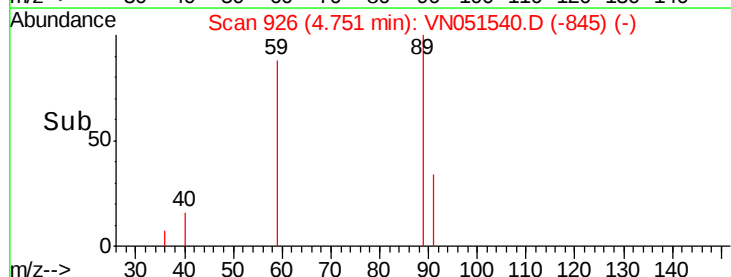
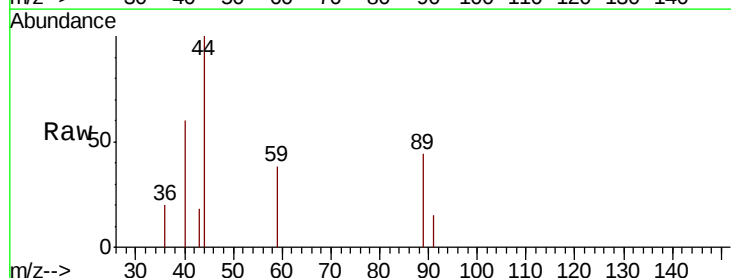
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBL01

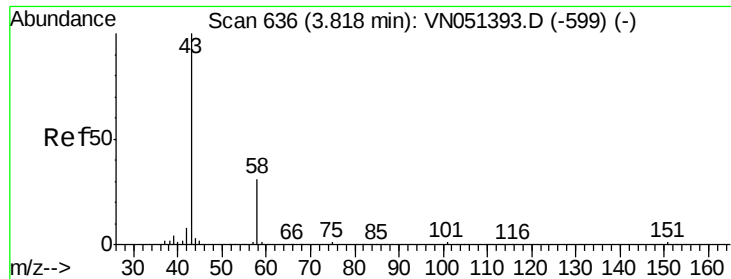
Tot Ion:142 Resp: 287
Ion Ratio Lower Upper
142 100
127 0.0 33.2 49.8#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.369 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.04 min
Lab File: VN051540.D
Acq: 26 Sep 2018 17:27

Tgt Ion: 59 Resp: 676
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

Instrument :

MSVOA_N

ClientSampled :

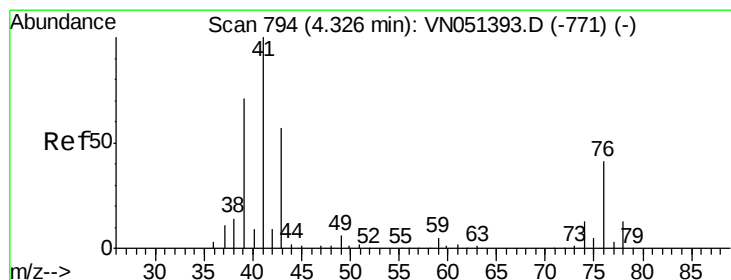
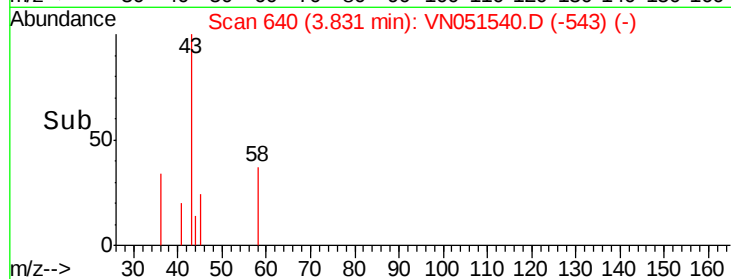
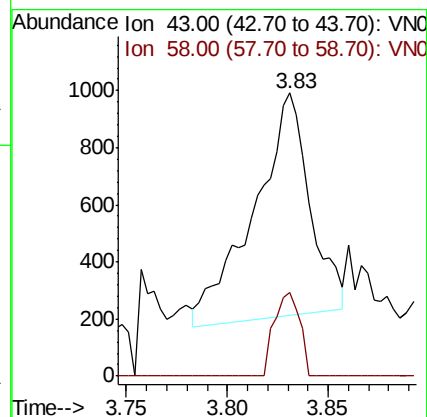
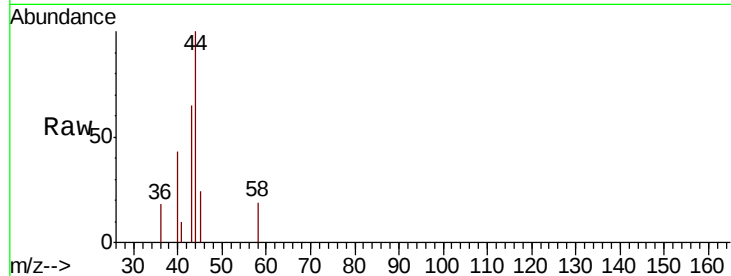
VN0927WBL01

Tot Ion: 43 Resp: 1514

Ion Ratio Lower Upper

43 100

58 38.8 25.0 37.4#



#18

Methyl Acetate

Concen: 2.222 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051540.D

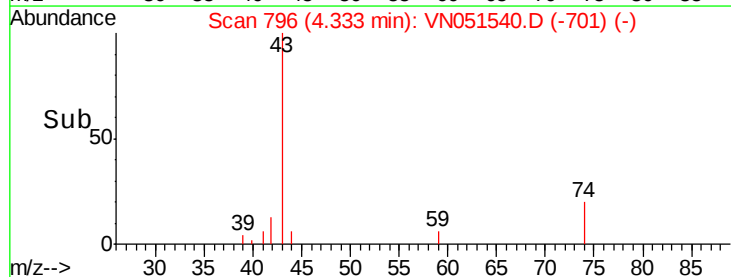
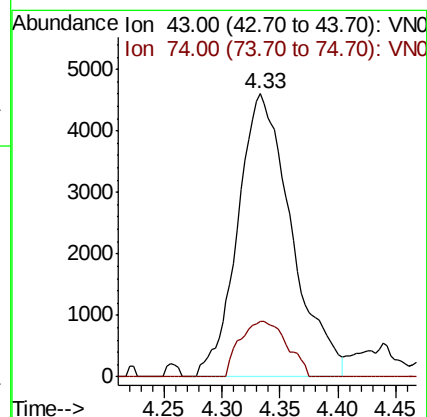
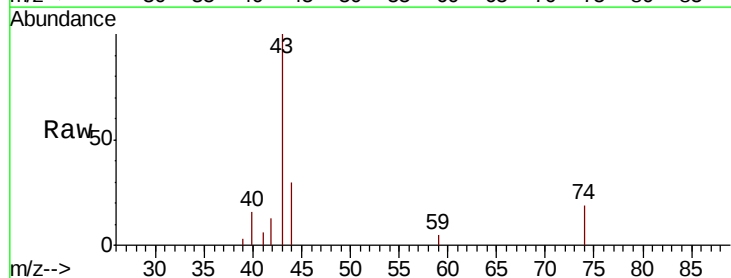
Acq: 26 Sep 2018 17:27

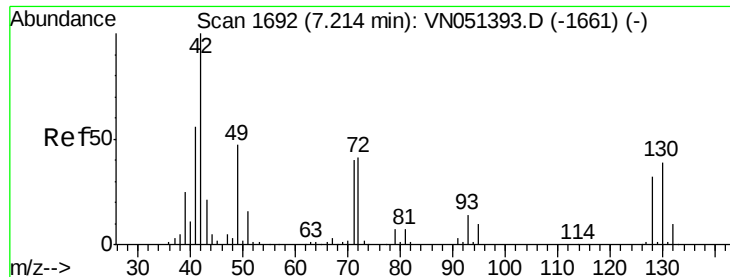
Tgt Ion: 43 Resp: 14809

Ion Ratio Lower Upper

43 100

74 17.1 18.8 28.2#





#29

Tetrahydrofuran

Concen: 0.611 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBL01

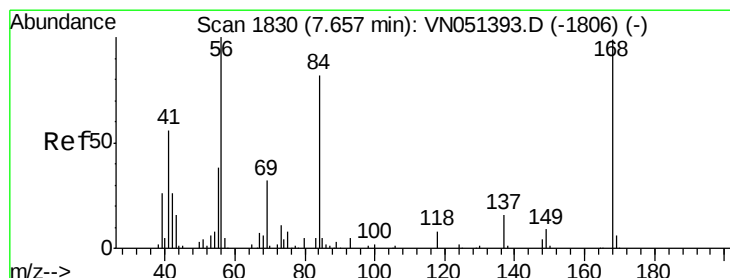
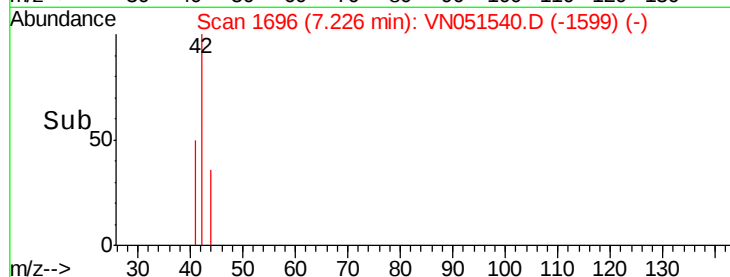
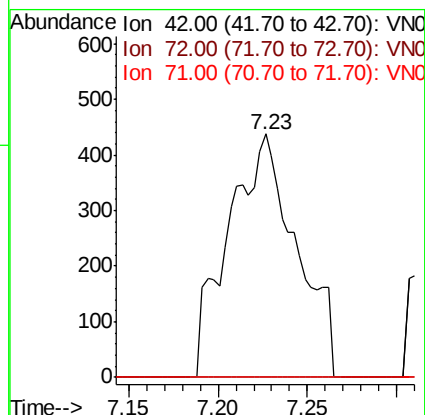
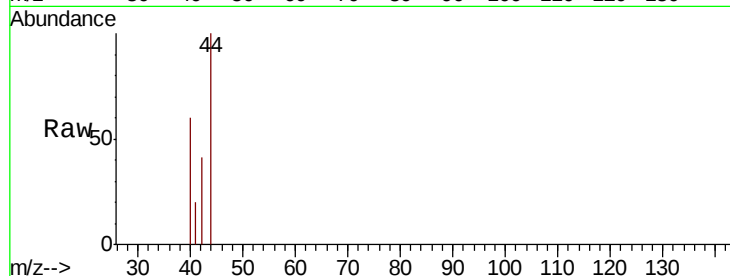
Tot Ion: 42 Resp: 1159

Ion Ratio Lower Upper

42 100

72 0.0 34.3 51.5#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 0.963 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

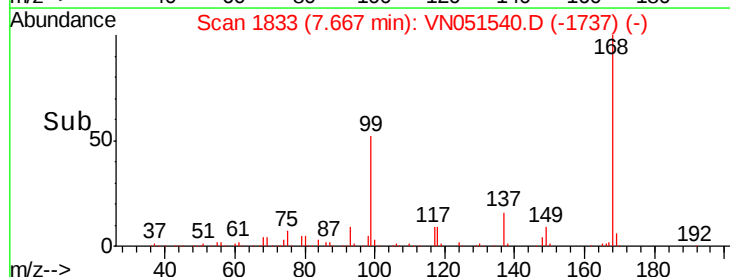
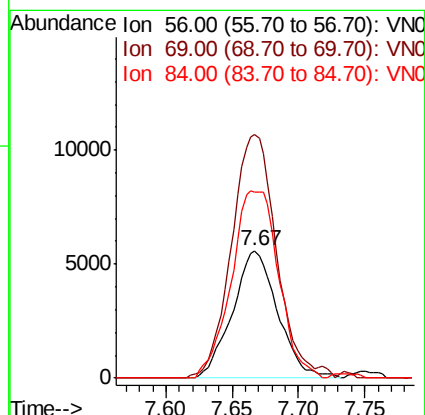
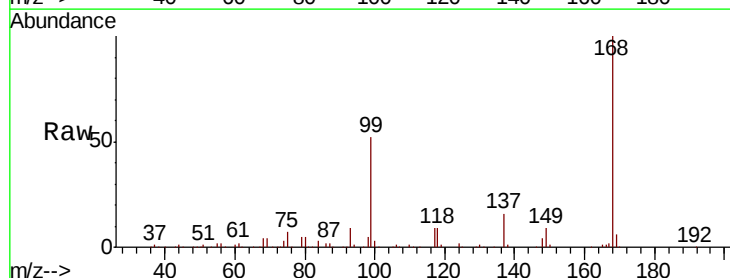
Tgt Ion: 56 Resp: 13264

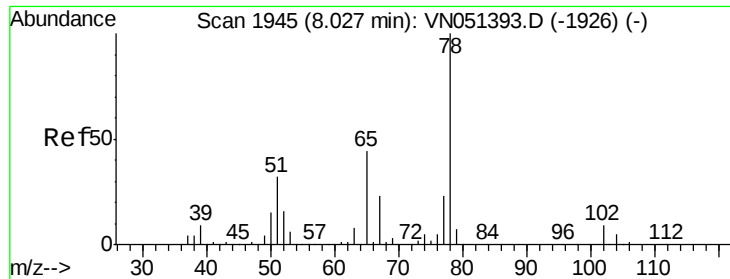
Ion Ratio Lower Upper

56 100

69 188.6 25.8 38.6#

84 146.7 66.0 99.0#

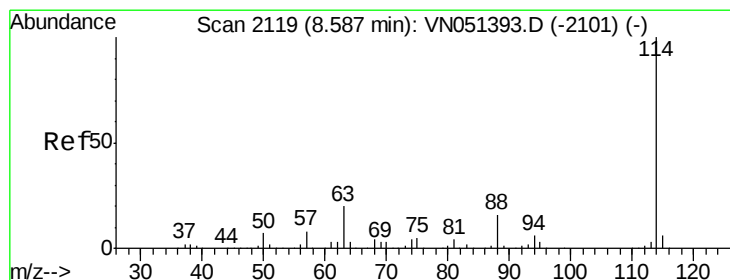
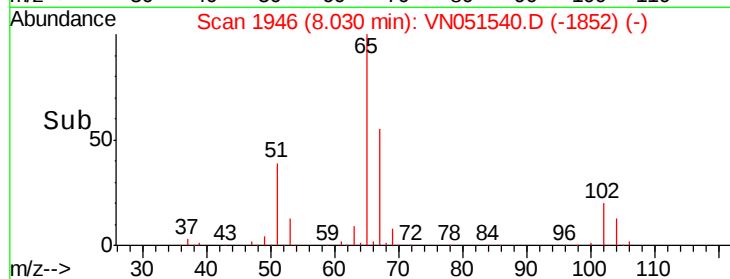
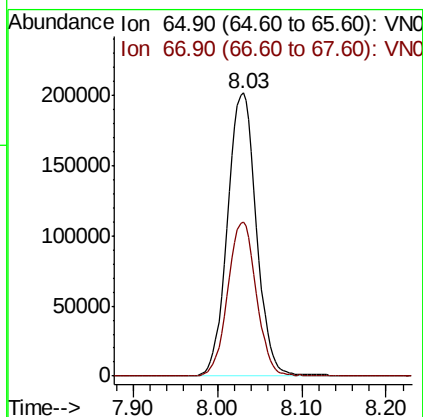
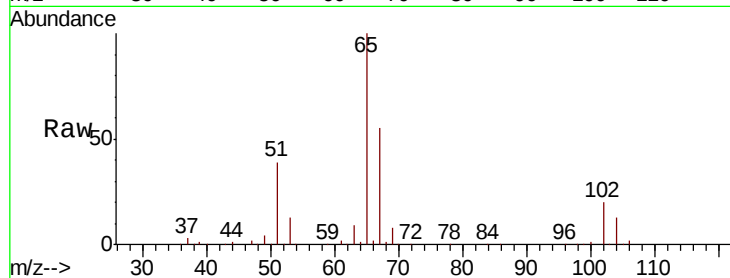




#33
 1,2-Dichloroethane-d4
 Concen: 54.991 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051540.D
 Acq: 26 Sep 2018 17:27

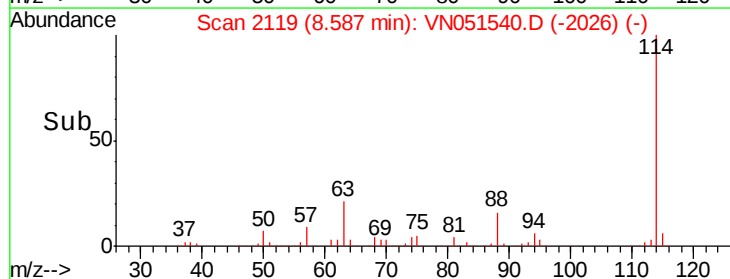
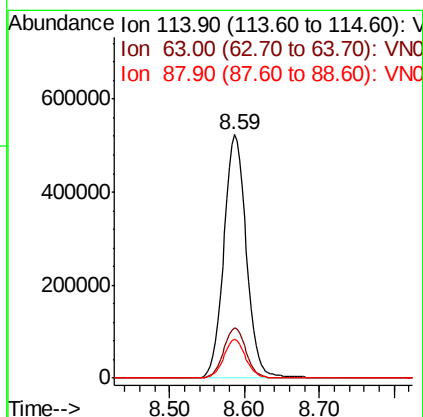
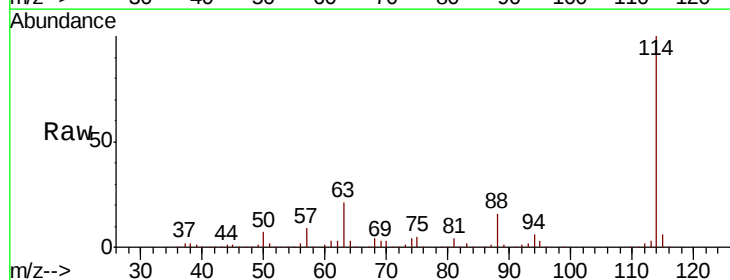
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBL01

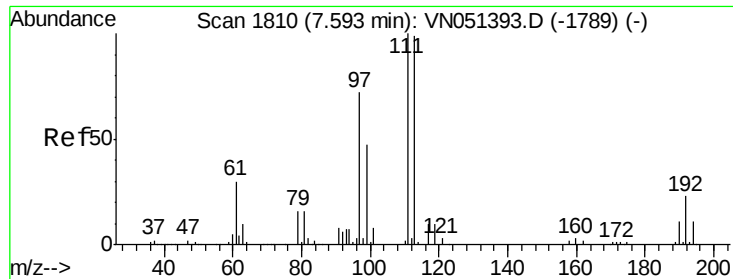
Tot Ion: 65 Resp: 481159
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051540.D
 Acq: 26 Sep 2018 17:27

Tgt Ion: 114 Resp: 1086778
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.7 0.0 31.4

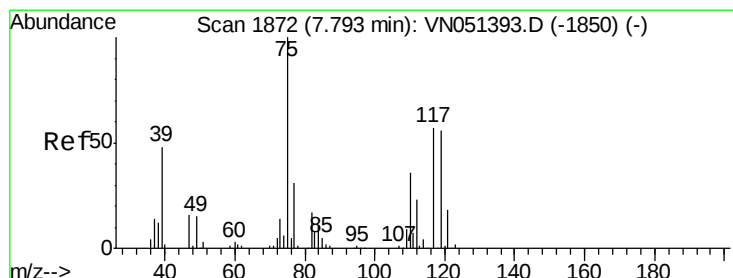
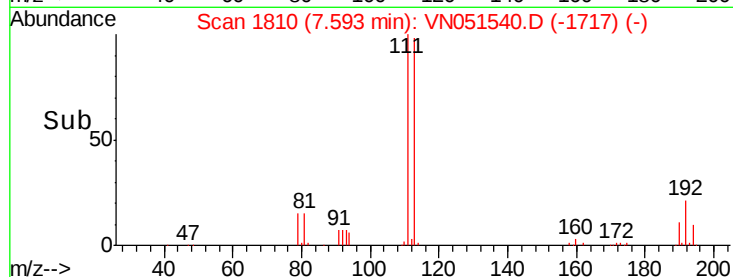
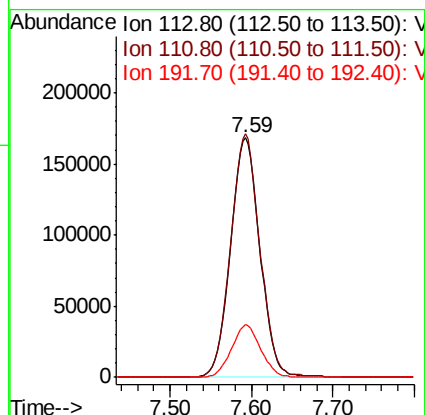
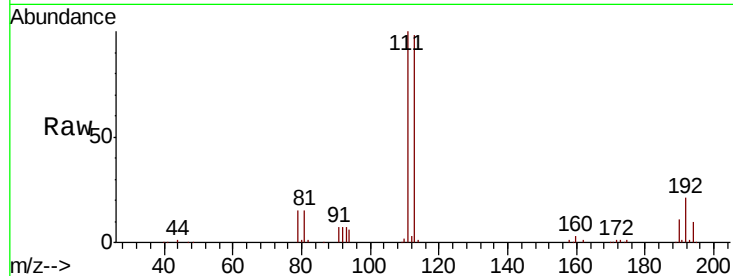




#35
 Dibromofluoromethane
 Concen: 48.912 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051540.D
 Acq: 26 Sep 2018 17:27

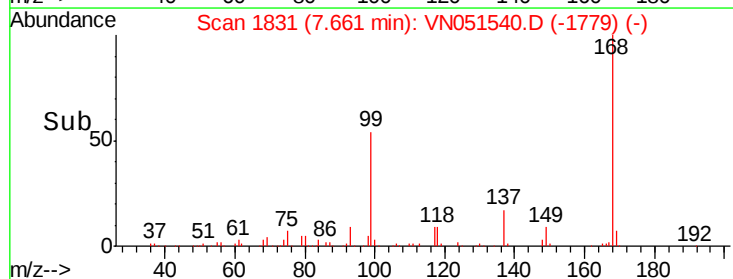
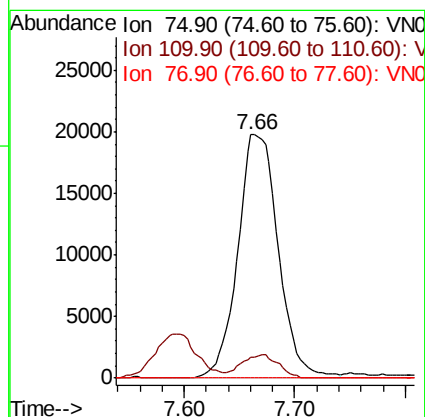
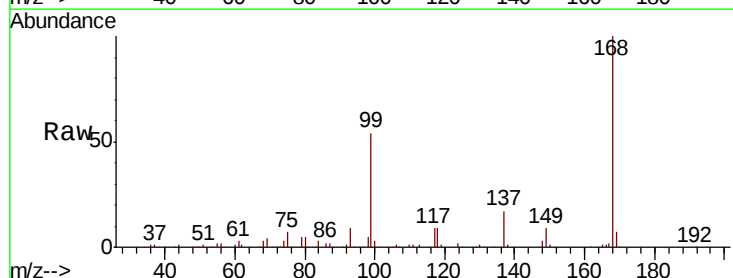
Instrument :
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 ClientSampleId :
 VN0927WBL01

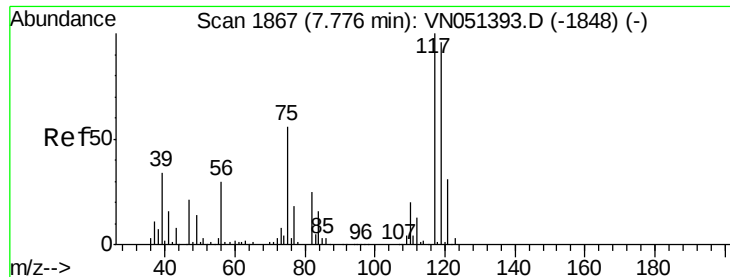
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.6	123.8
192	21.7	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 4.006 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN051540.D
 Acq: 26 Sep 2018 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.842 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

Instrument :

MSVOA_N

ClientSampled :

VN0927WBL01

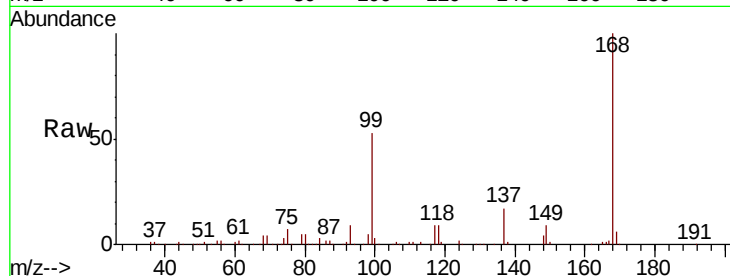
Tot Ion:117 Resp: 63736

Ion Ratio Lower Upper

117 100

119 7.3 76.9 115.3#

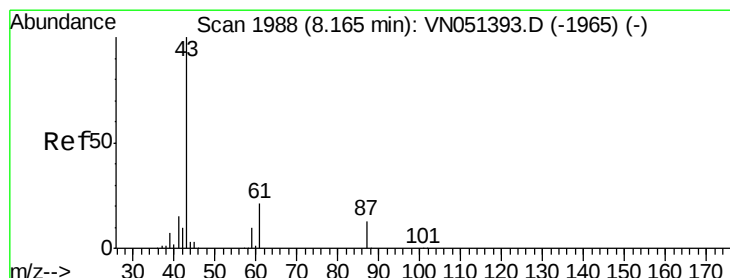
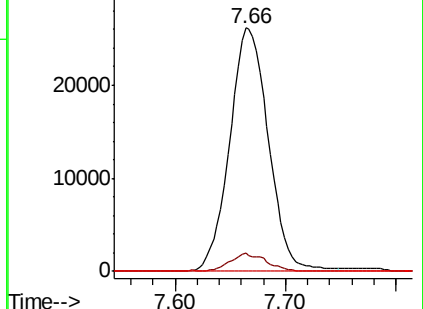
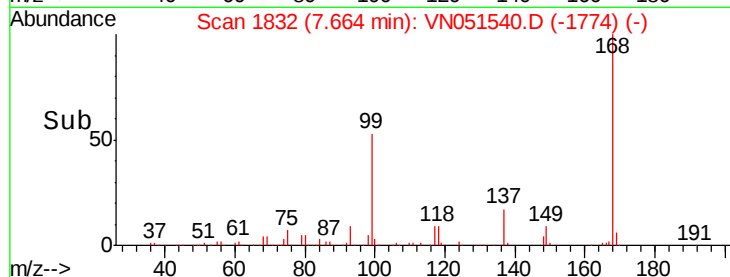
121 0.0 24.6 37.0#



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: 4.818 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.11 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

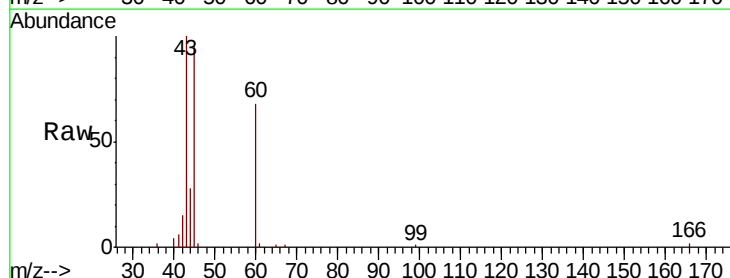
Tgt Ion: 43 Resp: 63039

Ion Ratio Lower Upper

43 100

61 0.6 16.8 25.2#

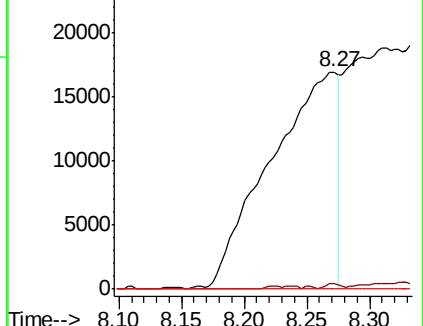
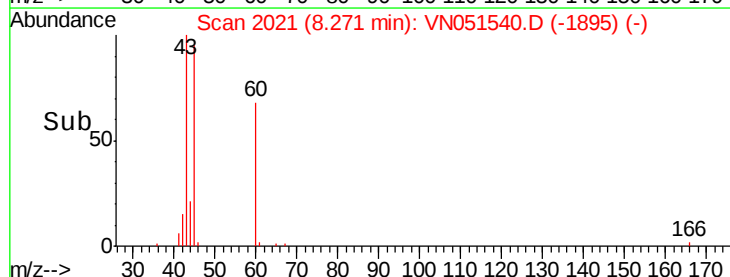
87 0.0 10.7 16.1#

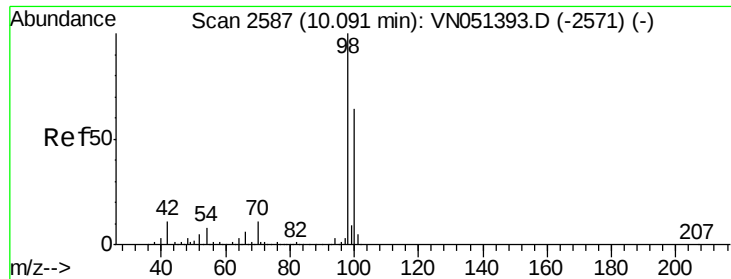


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 46.415 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

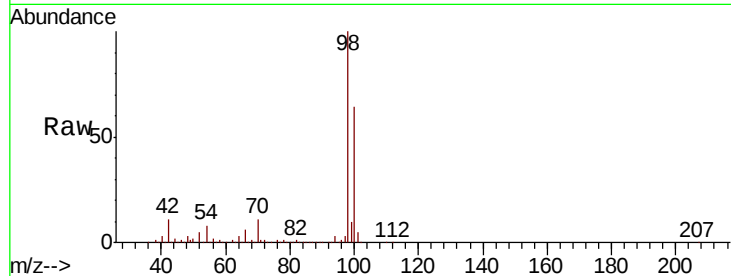
VN0927WBL01

Tot Ion: 98 Resp: 1518948

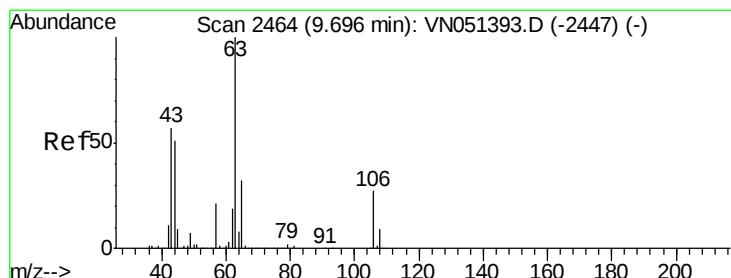
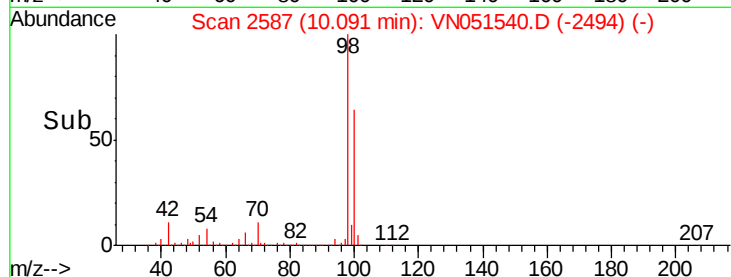
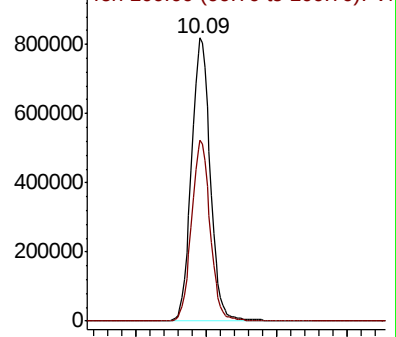
Ion Ratio Lower Upper

98 100

100 63.1 50.6 75.8



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



#58

2-Chloroethyl Vinyl ether

Concen: 20.398 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051540.D

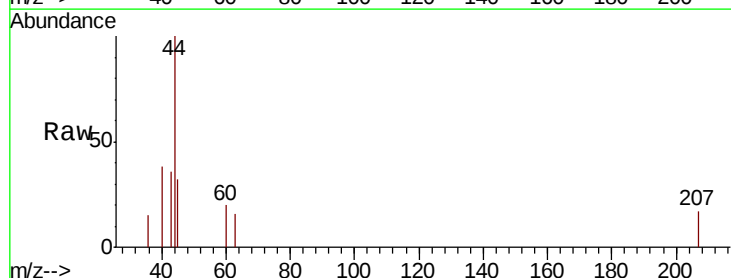
Acq: 26 Sep 2018 17:27

Tgt Ion: 63 Resp: 168

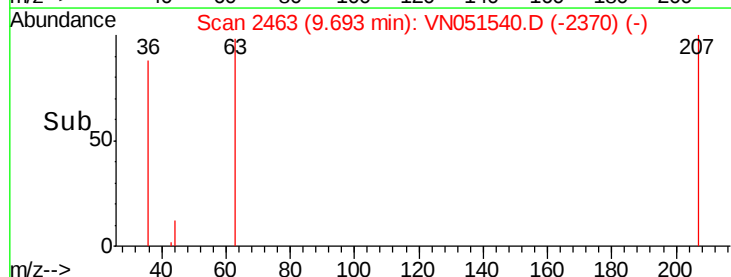
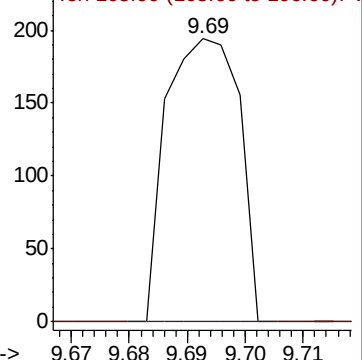
Ion Ratio Lower Upper

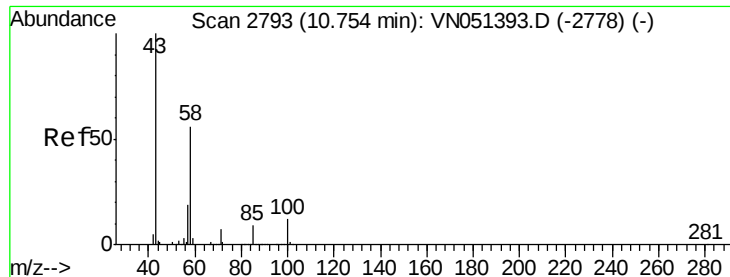
63 100

106 0.0 21.4 32.2#



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





#59

2-Hexanone

Concen: 0.312 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

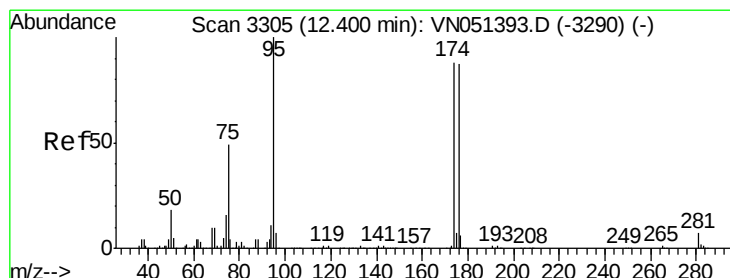
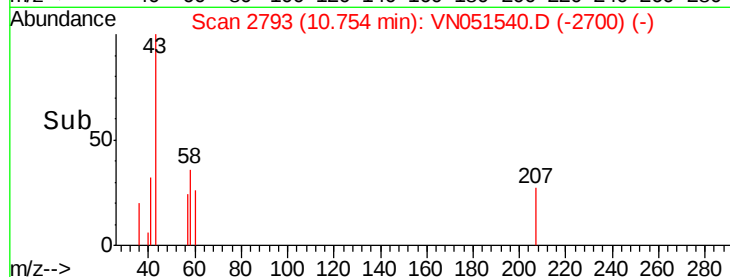
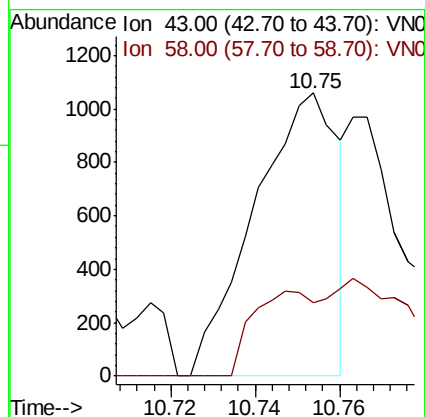
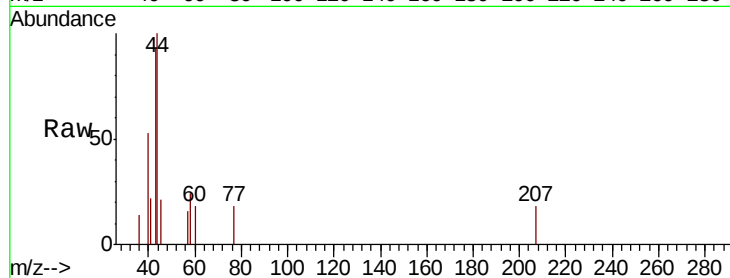
VN0927WBL01

Tot Ion: 43 Resp: 1457

Ion Ratio Lower Upper

43 100

58 21.9 27.7 83.0#



#62

4-Bromofluorobenzene

Concen: 39.202 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

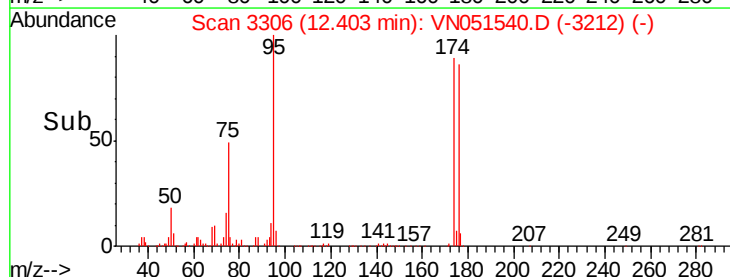
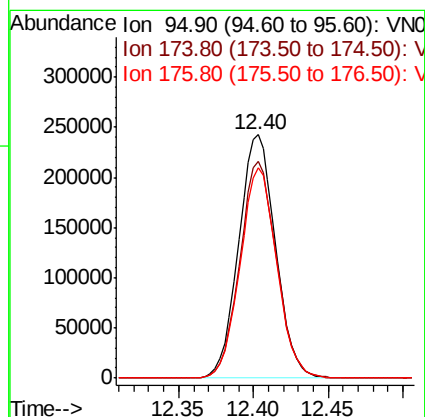
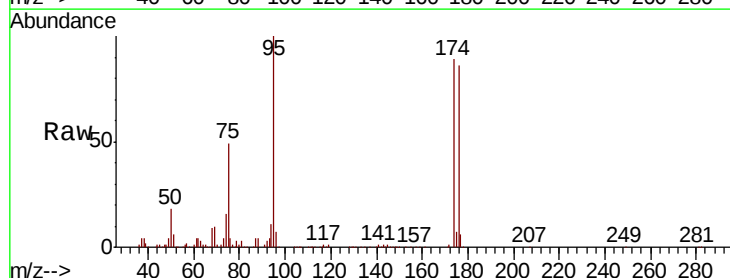
Tgt Ion: 95 Resp: 415012

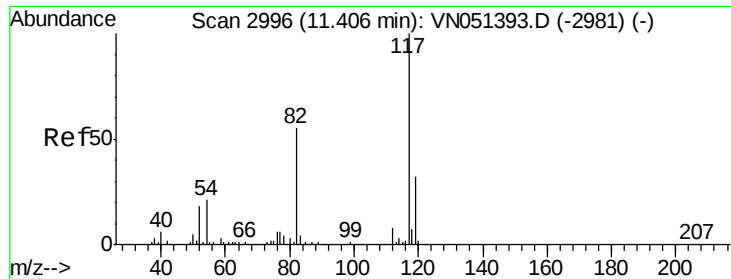
Ion Ratio Lower Upper

95 100

174 89.2 0.0 181.6

176 85.9 0.0 176.4

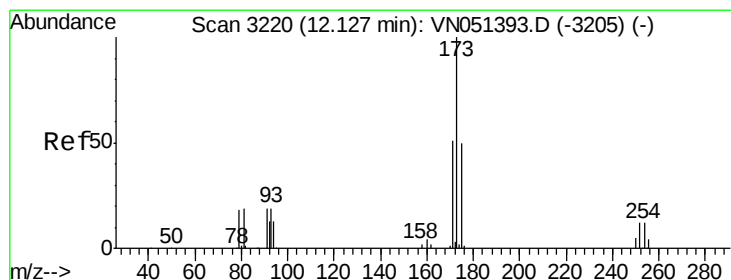
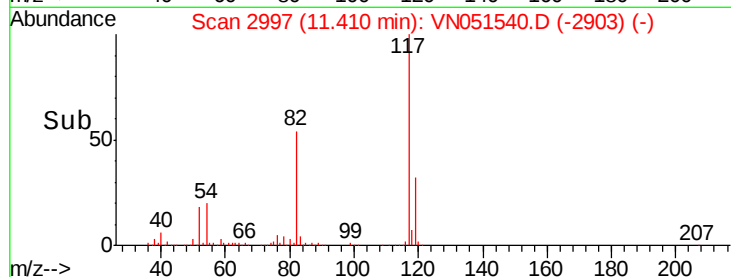
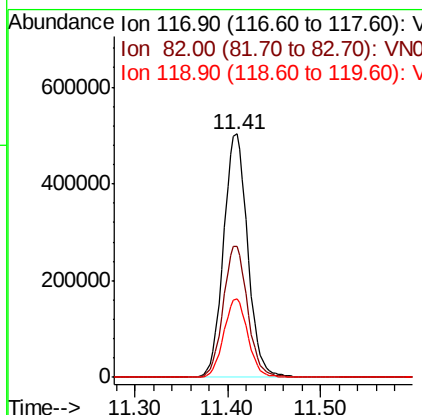
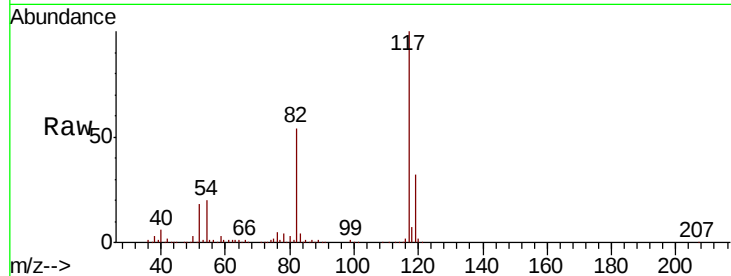




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051540.D
Acq: 26 Sep 2018 17:27

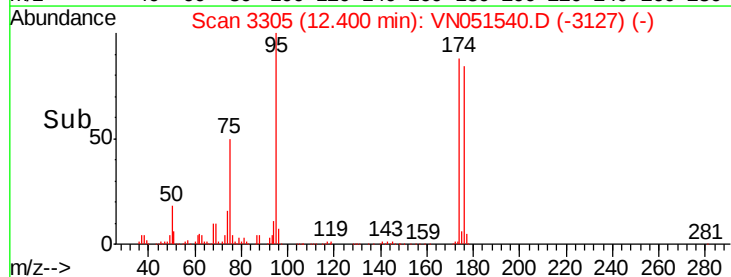
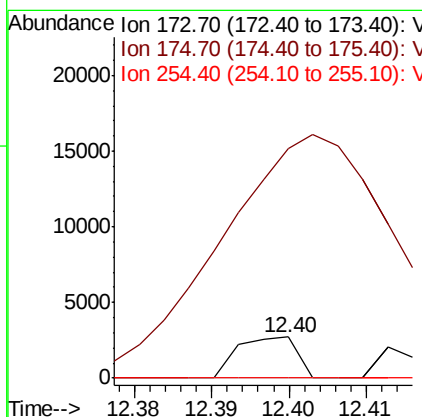
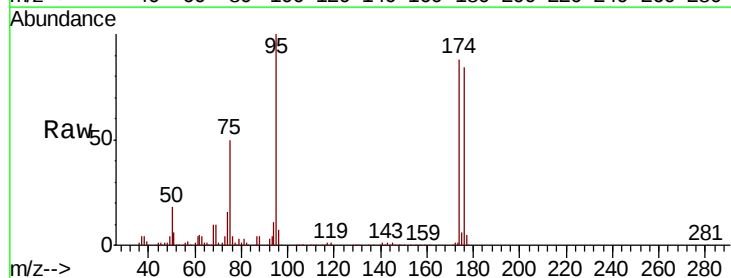
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBL01

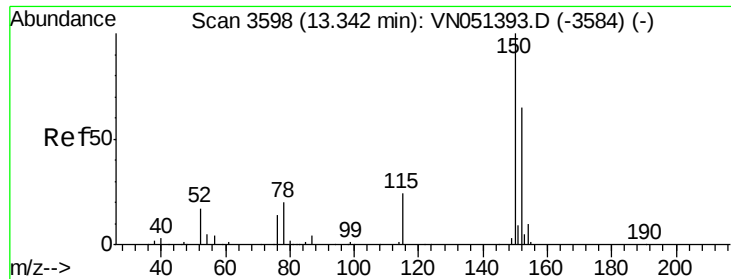
Tot Ion:117 Resp: 905479
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 32.4 25.9 38.9



#71
Bromoform
Concen: 0.241 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051540.D
Acq: 26 Sep 2018 17:27

Tgt Ion:173 Resp: 1449
Ion Ratio Lower Upper
173 100
175 1548.4 24.8 74.3#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBL01

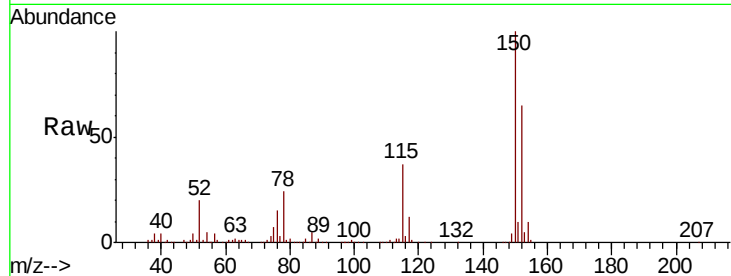
Tot Ion:152 Resp: 325927

Ion Ratio Lower Upper

152 100

115 57.5 28.3 84.9

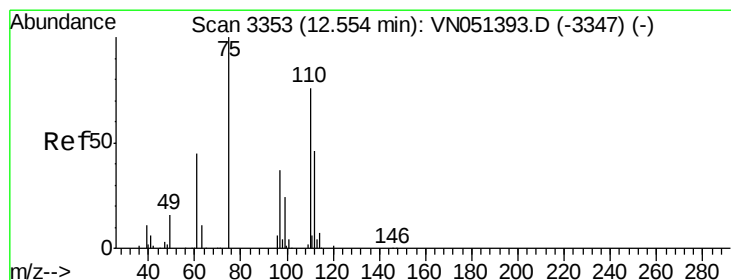
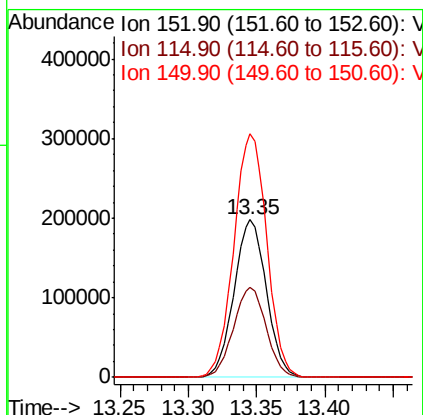
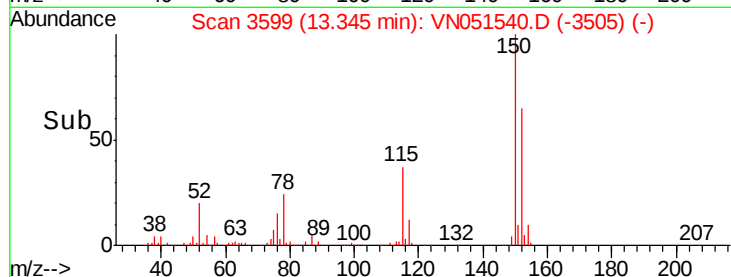
150 157.3 0.0 353.6



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: 37.565 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051540.D

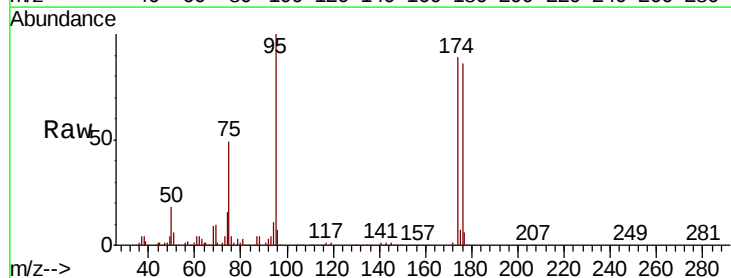
Acq: 26 Sep 2018 17:27

Tgt Ion: 75 Resp: 203251

Ion Ratio Lower Upper

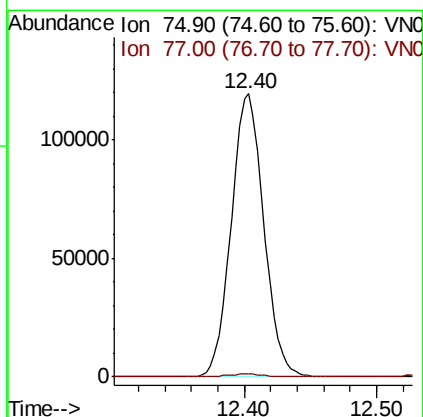
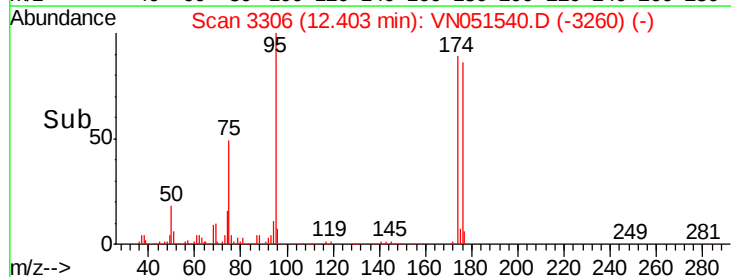
75 100

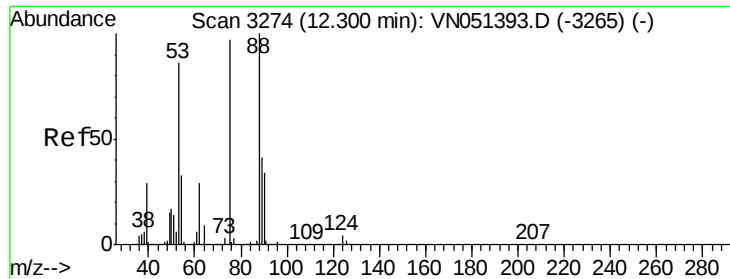
77 1.2 0.0 0.0#



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: 115.511 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBL01

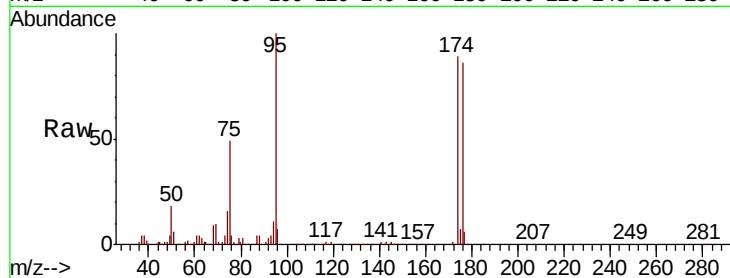
Tot Ion: 75 Resp: 203251

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

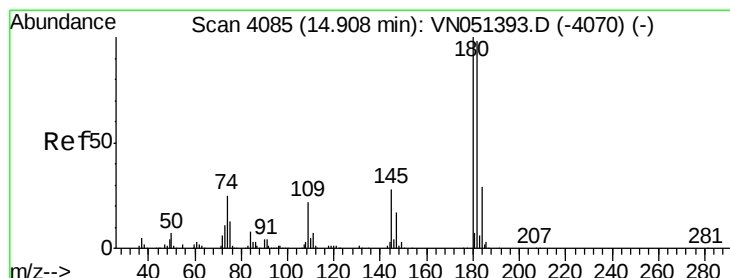
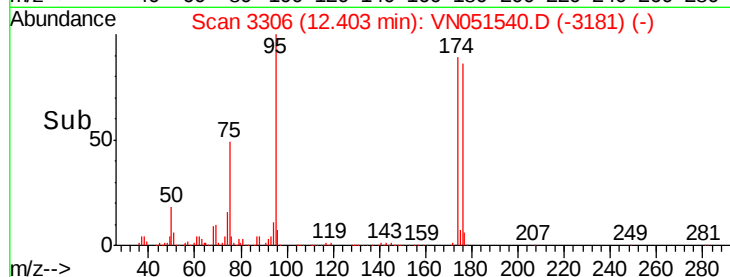
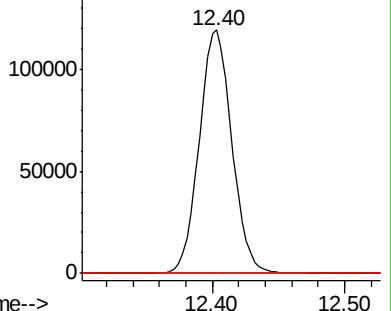
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN051393.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN051393.D (-3265) (-)



#93

1,2,4-Trichlorobenzene

Concen: 6.355 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

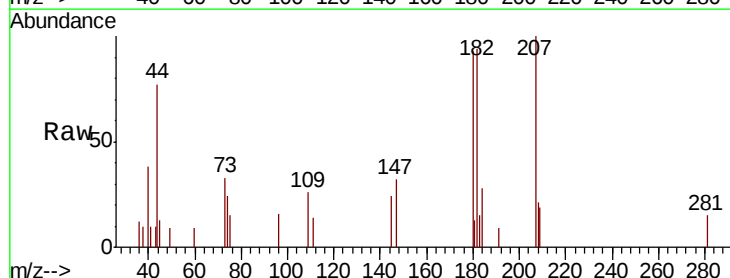
Tgt Ion:180 Resp: 2669

Ion Ratio Lower Upper

180 100

182 101.3 48.5 145.6

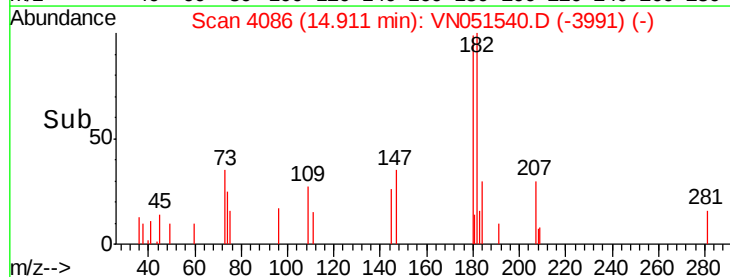
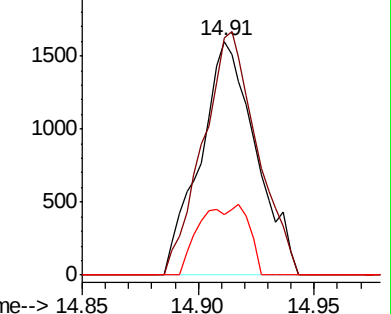
145 15.3 14.1 42.4

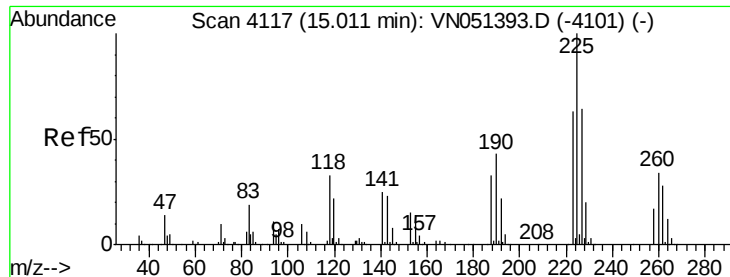


Abundance Ion 179.80 (179.50 to 180.50): VN051393.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN051393.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN051393.D (-4070) (-)





#94

Hexachlorobutadiene

Concen: 0.641 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBL01

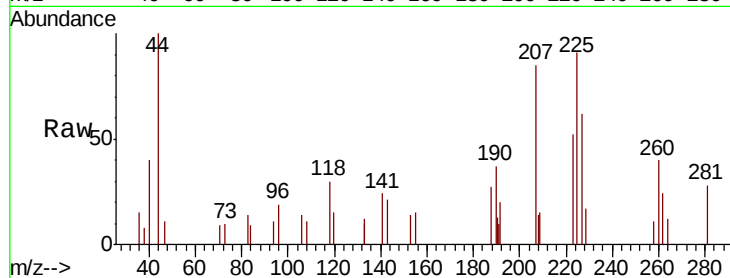
Tot Ion:225 Resp: 2833

Ion Ratio Lower Upper

225 100

223 51.5 31.9 95.9

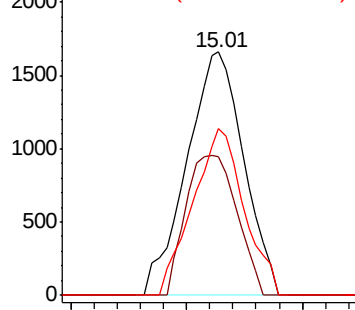
227 61.6 32.5 97.5



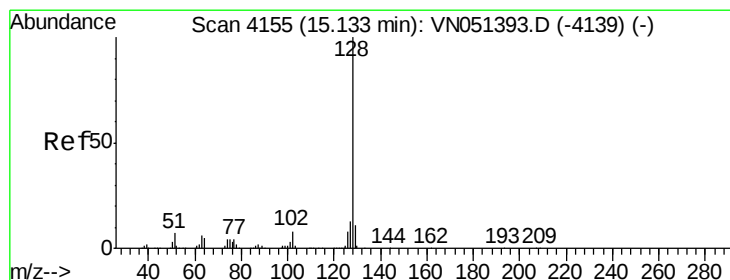
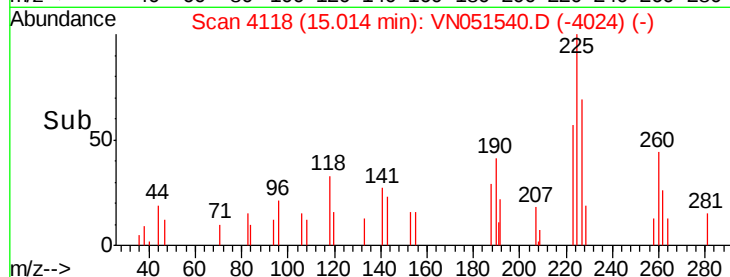
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time--> 14.95 15.00 15.05



#95

Naphthalene

Concen: 8.522 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051540.D

Acq: 26 Sep 2018 17:27

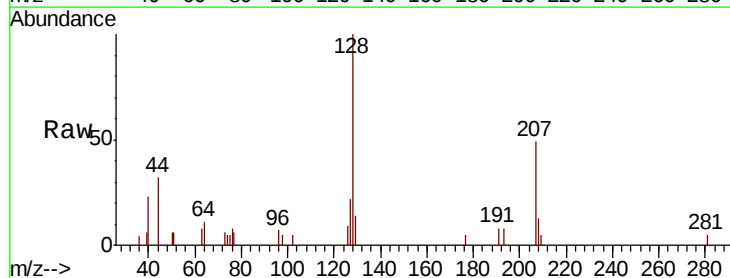
Tgt Ion:128 Resp: 6898

Ion Ratio Lower Upper

128 100

127 17.0 10.5 15.7#

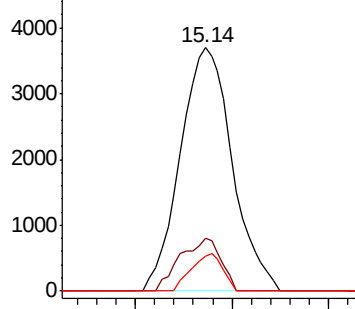
129 9.2 8.6 12.8



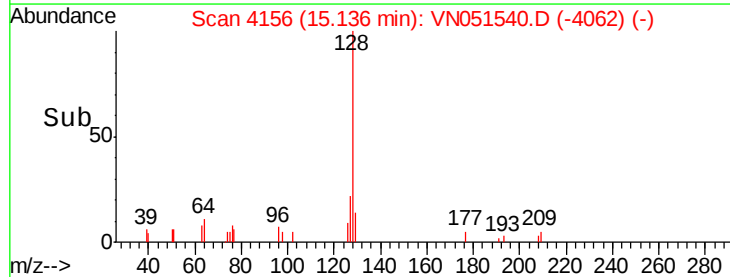
Abundance Ion 128.00 (127.70 to 128.70): V

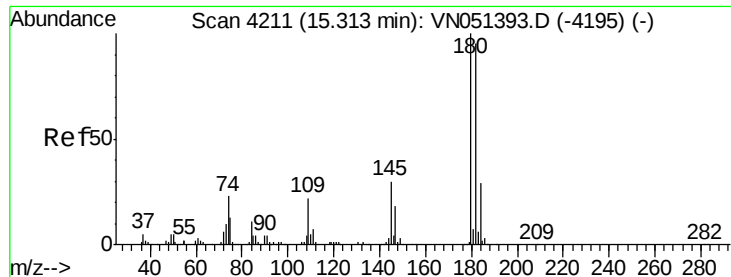
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.10 15.15 15.20





#96
 1,2,3-Trichlorobenzene
 Concen: 0.678 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051540.D
 Acq: 26 Sep 2018 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.2	141.6
145	15.7	14.6	43.8

