

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101618\
 Data File : VN051882.D
 Acq On : 16 Oct 2018 9:33
 Operator : MD\SY
 Sample : VN1016MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBL01

Quant Time: Oct 17 02:21:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	867838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1237807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1051462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	345201	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	467152	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	
35) Dibromofluoromethane	7.59	113	463549	60.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.46%	
50) Toluene-d8	10.09	98	1680951	58.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.22%	
62) 4-Bromofluorobenzene	12.40	95	462099	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

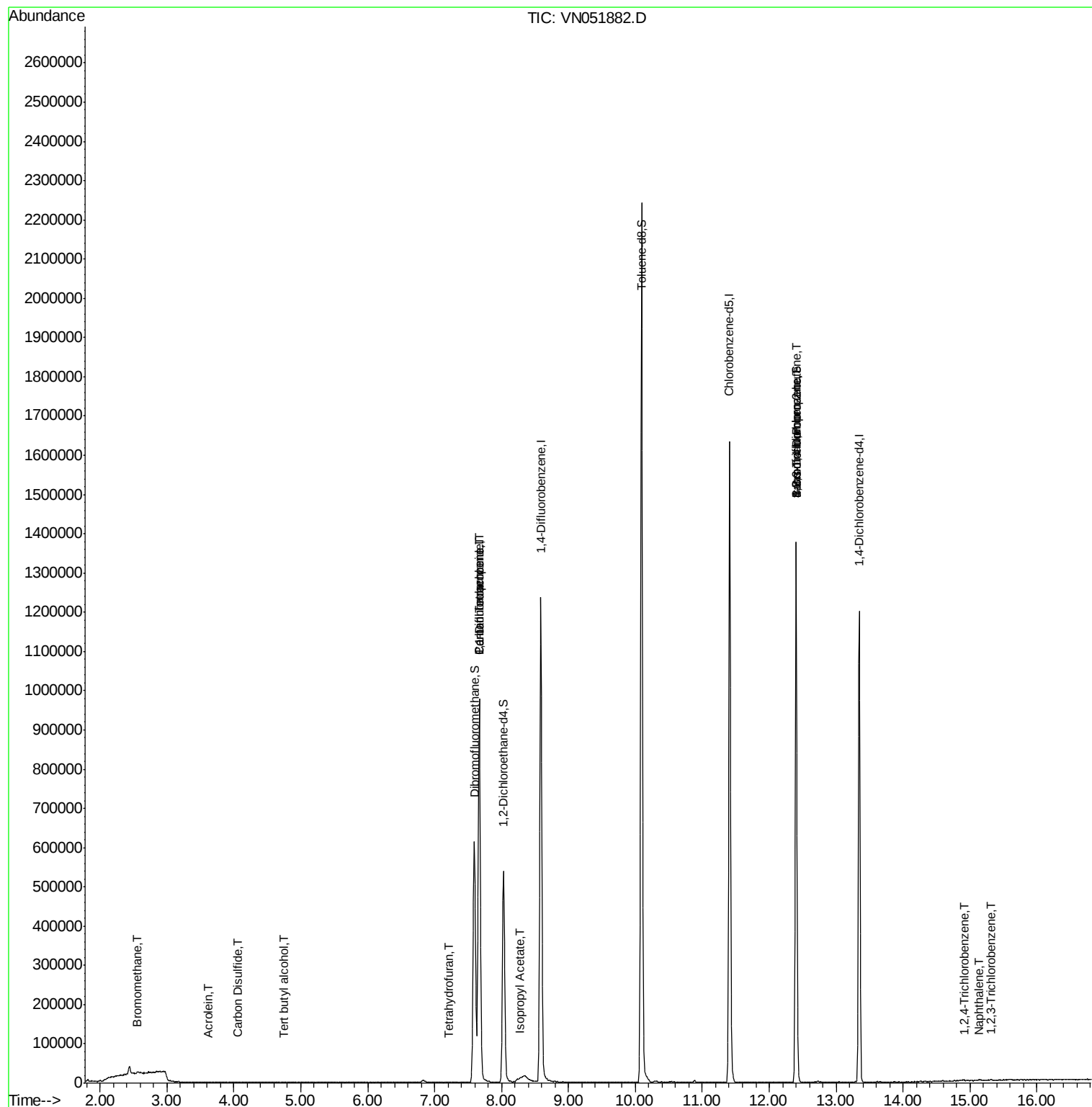
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2985	0.378	ug/l #	69
11) Tert butyl alcohol	4.74	59	243	0.398	ug/l #	72
13) Acrolein	3.61	56	200	16.240	ug/l #	14
17) Carbon Disulfide	4.06	76	3522	0.209	ug/l #	75
18) Methyl Acetate	4.34	43	2141	Below Cal	#	73
29) Tetrahydrofuran	7.22	42	406	0.270	ug/l #	58
31) Cyclohexane	7.66	56	13345	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	54560	5.445	ug/l #	51
38) Carbon Tetrachloride	7.67	117	80355	6.918	ug/l #	16
43) Isopropyl Acetate	8.28	43	12649	0.660	ug/l #	58
71) Bromoform	12.40	173	3733	4.122	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	232617	54.659	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	232617	155.176	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	830	3.787	ug/l #	79
95) Naphthalene	15.13	128	2496	4.575	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.31	180	950	3.016	ug/l #	60

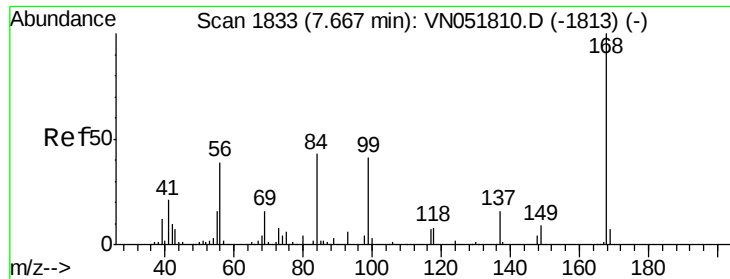
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051882.D

Acq: 16 Oct 2018 9:33

Instrument :

MSVOA_N

ClientSampleId :

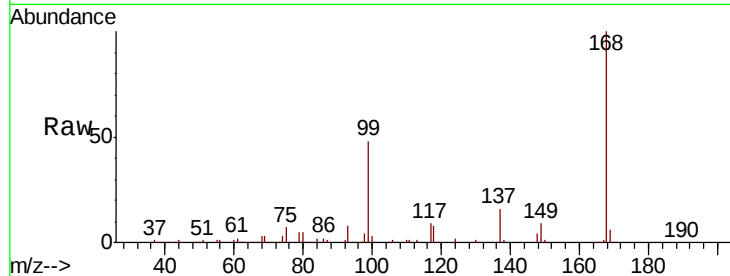
VN1016MBL01

Tgt Ion:168 Resp: 867838

Ion Ratio Lower Upper

168 100

99 48.0 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN051810.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051810.D (-1813) (-)

7.67

400000

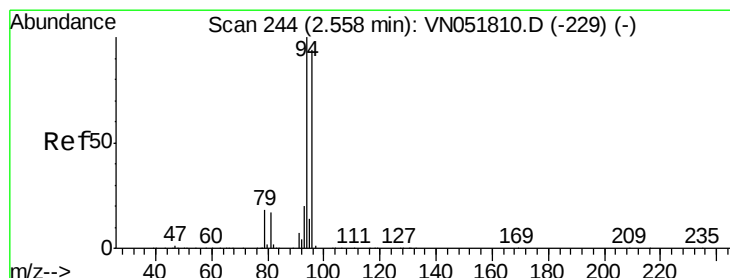
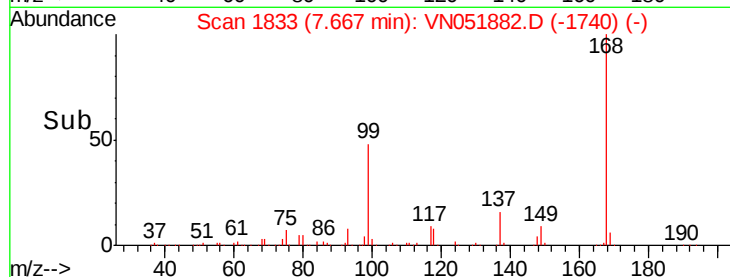
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.378 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051882.D

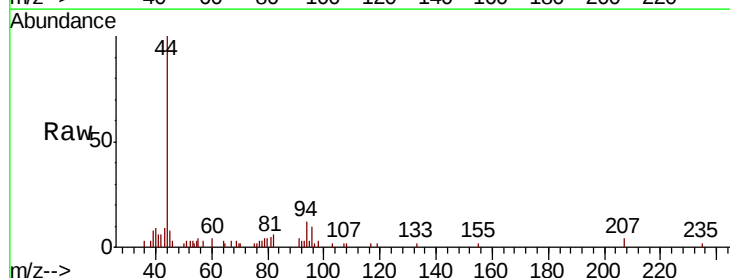
Acq: 16 Oct 2018 9:33

Tgt Ion: 94 Resp: 2985

Ion Ratio Lower Upper

94 100

96 64.8 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VN051810.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051810.D (-229) (-)

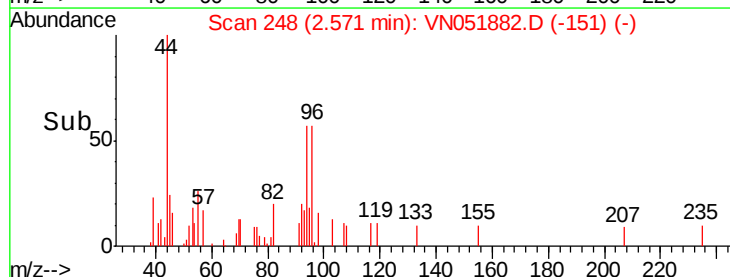
2.57

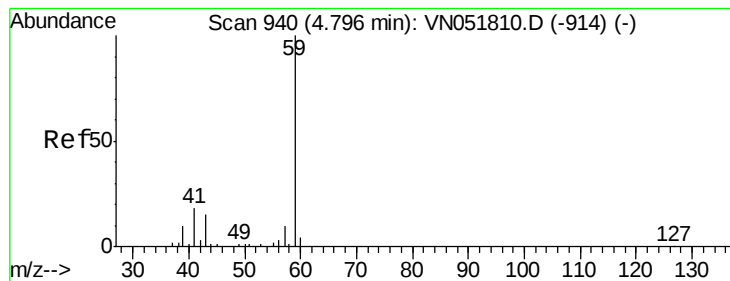
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 0.398 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.06 min

Lab File: VN051882.D

Acq: 16 Oct 2018 9:33

Instrument :

MSVOA_N

ClientSampleId :

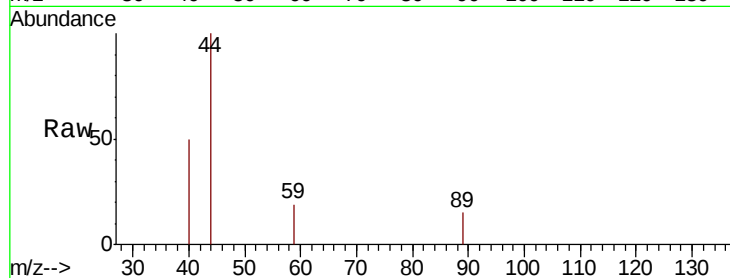
VN1016MBL01

Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

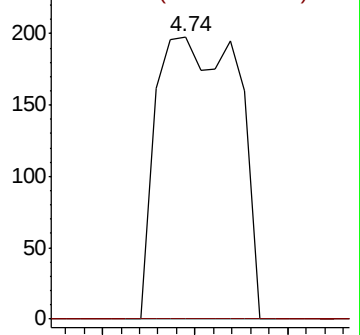
59 100

57 0.0 8.3 12.5#

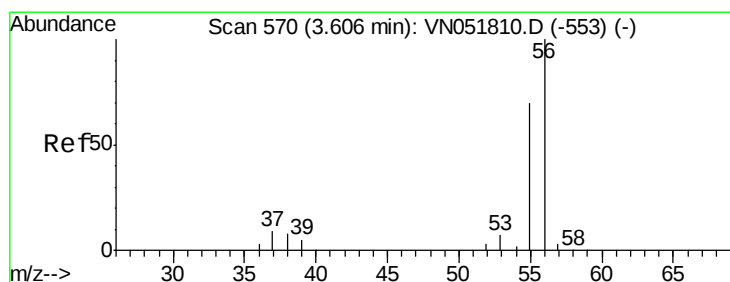
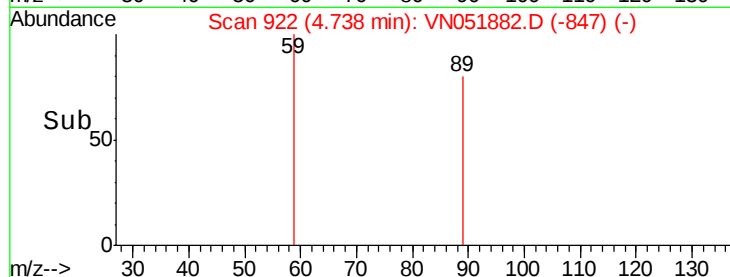


Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



Time-->



#13

Acrolein

Concen: 16.240 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051882.D

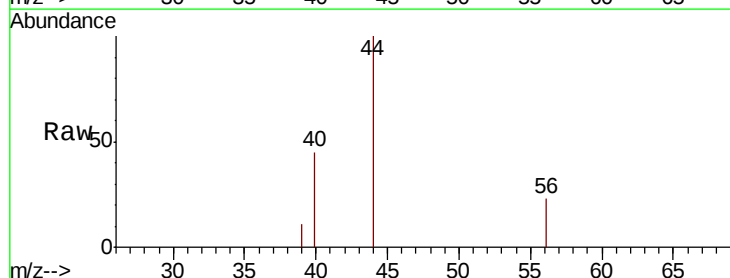
Acq: 16 Oct 2018 9:33

Tgt Ion: 56 Resp: 200

Ion Ratio Lower Upper

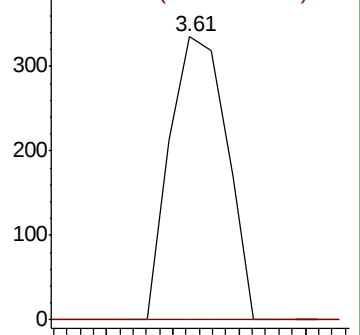
56 100

55 0.0 57.7 86.5#

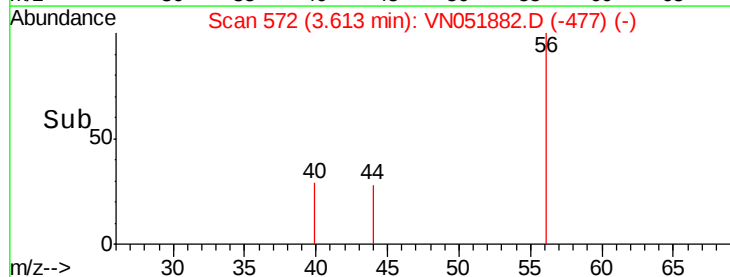


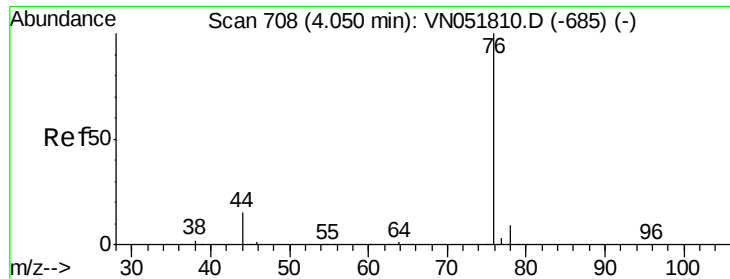
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->

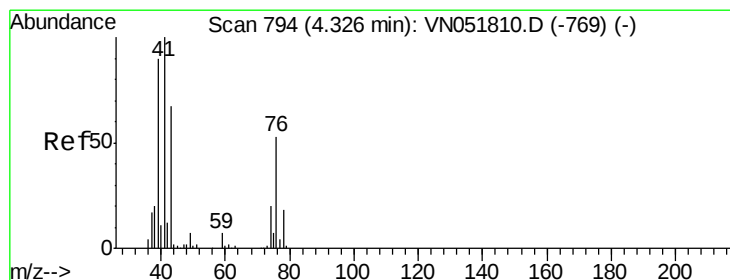
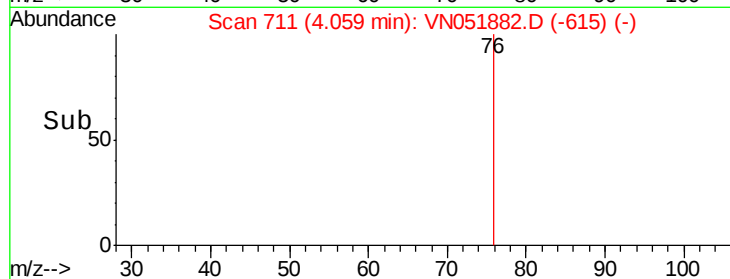
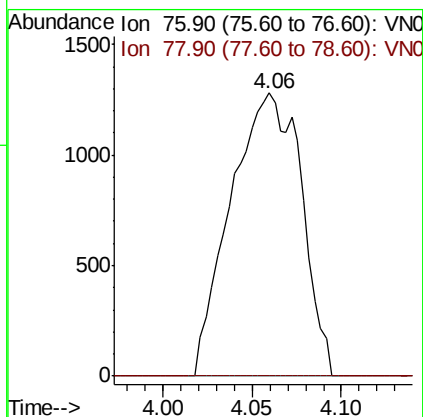
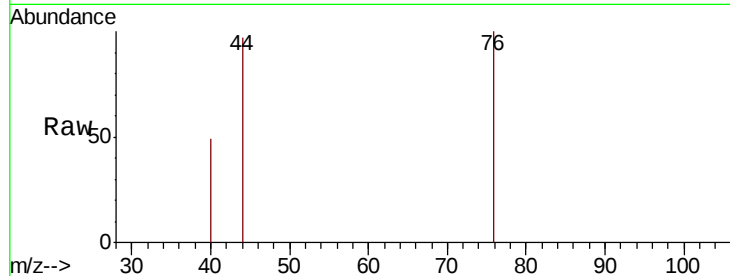




#17
Carbon Disulfide
Concen: 0.209 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.01 min
Lab File: VN051882.D
Acq: 16 Oct 2018 9:33

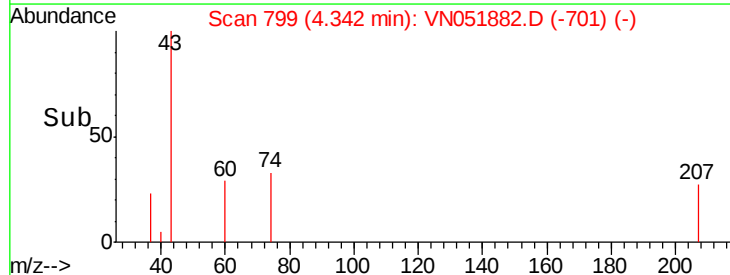
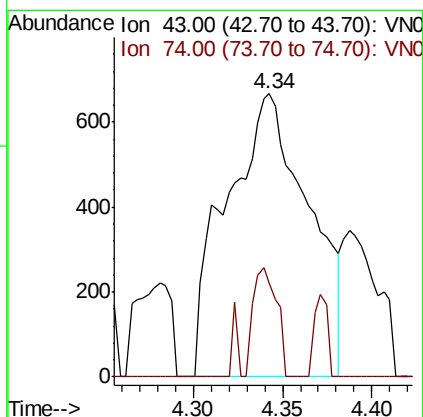
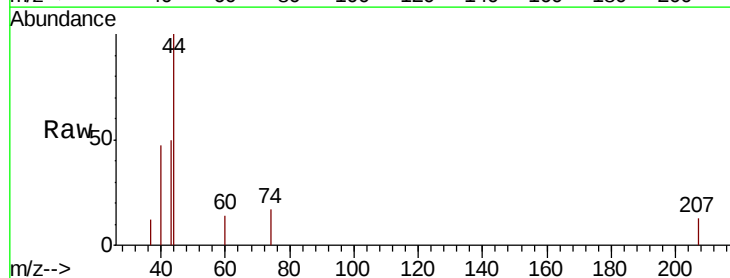
Instrument :
MSVOA_N
ClientSampleId :
VN1016MBL01

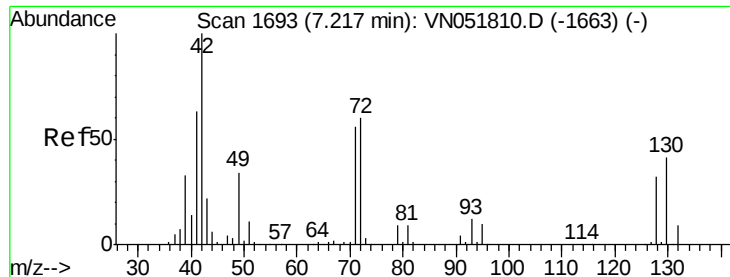
Tgt Ion: 76 Resp: 3522
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN051882.D
Acq: 16 Oct 2018 9:33

Tgt Ion: 43 Resp: 2141
Ion Ratio Lower Upper
43 100
74 11.2 19.8 29.8#





#29

Tetrahydrofuran

Concen: 0.270 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN051882.D

Acq: 16 Oct 2018 9:33

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBL01

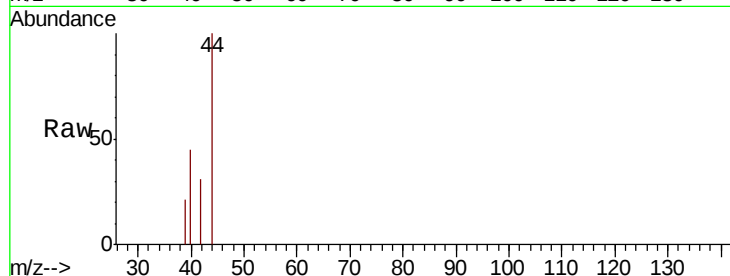
Tgt Ion: 42 Resp: 406

Ion Ratio Lower Upper

42 100

72 17.0 35.5 53.3#

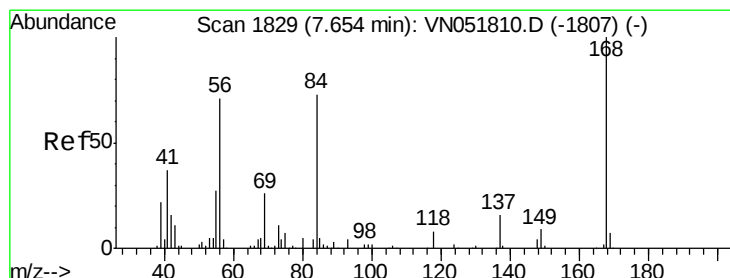
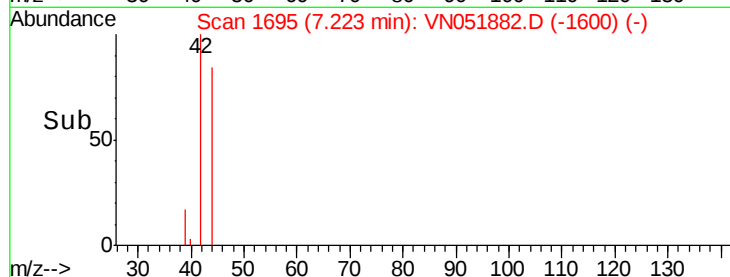
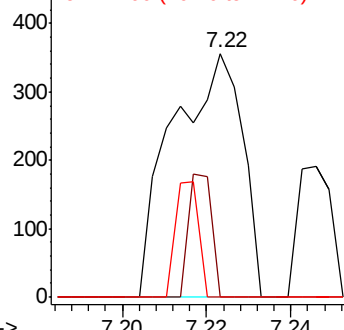
71 16.0 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051882.D

Acq: 16 Oct 2018 9:33

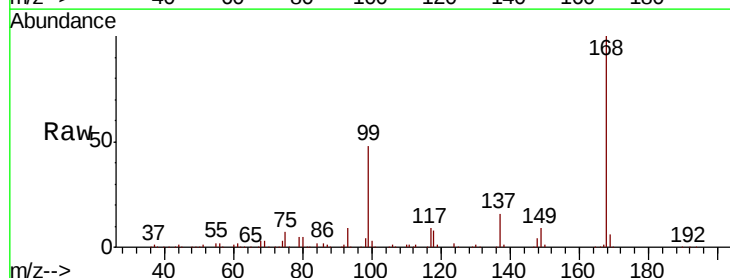
Tgt Ion: 56 Resp: 13345

Ion Ratio Lower Upper

56 100

69 187.8 26.2 39.4#

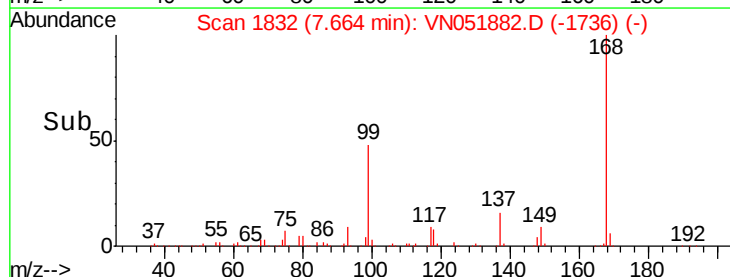
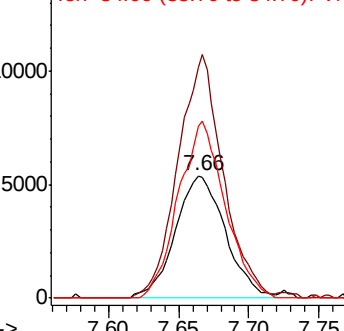
84 139.8 68.3 102.5#

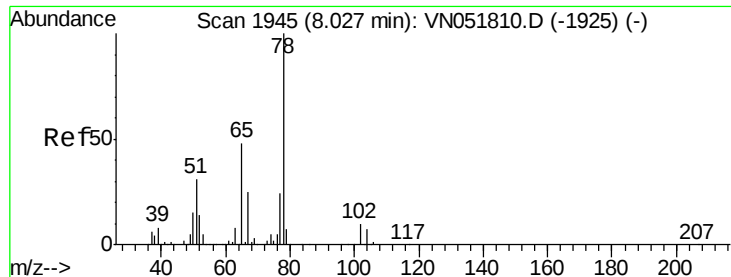


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

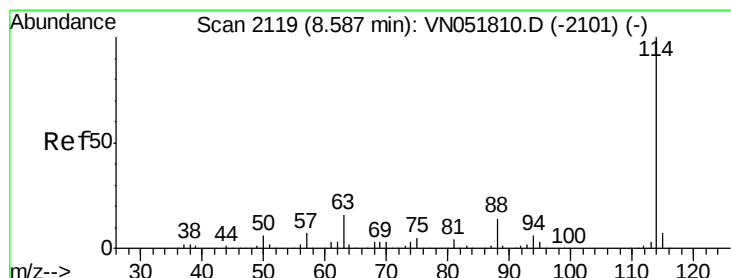
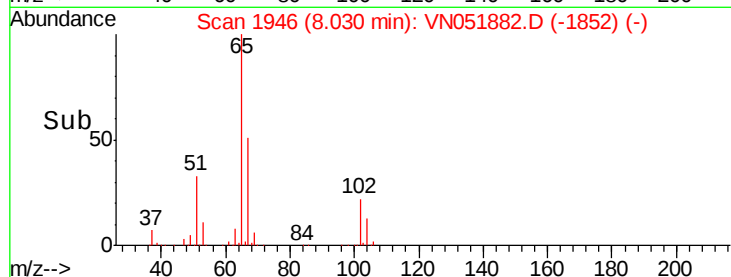
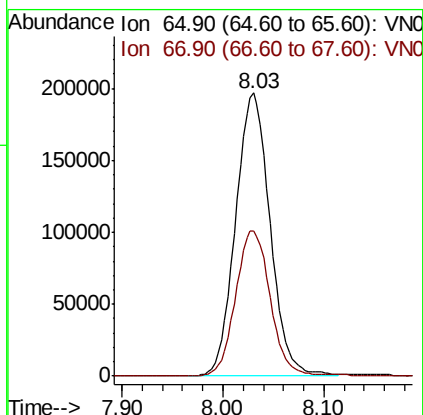
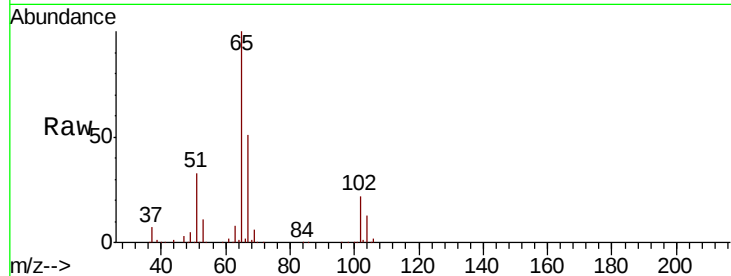




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051882.D
 Acq: 16 Oct 2018 9:33

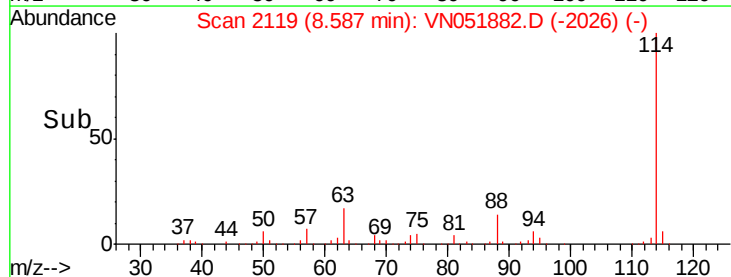
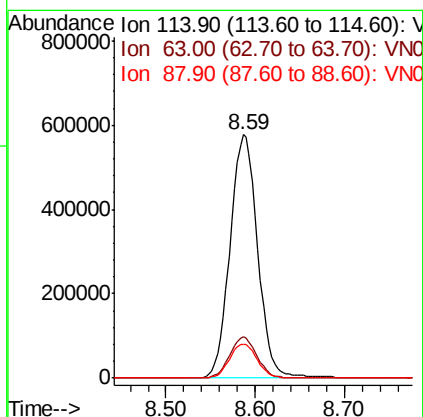
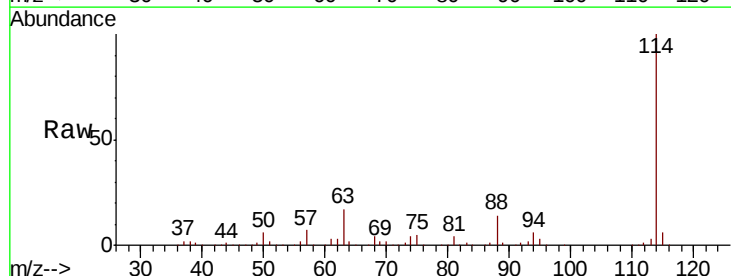
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016MBL01

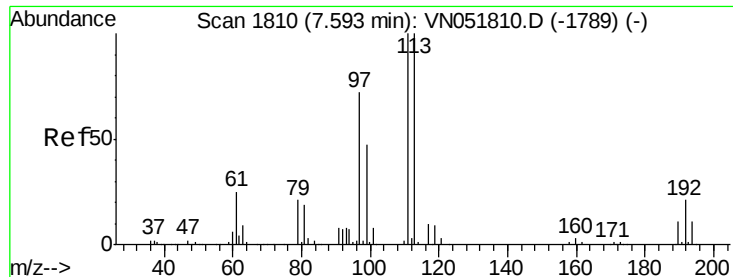
Tgt Ion: 65 Resp: 467152
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051882.D
 Acq: 16 Oct 2018 9:33

Tgt Ion: 114 Resp: 1237807
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 38.6
 88 14.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051882.D

Acq: 16 Oct 2018 9:33

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBL01

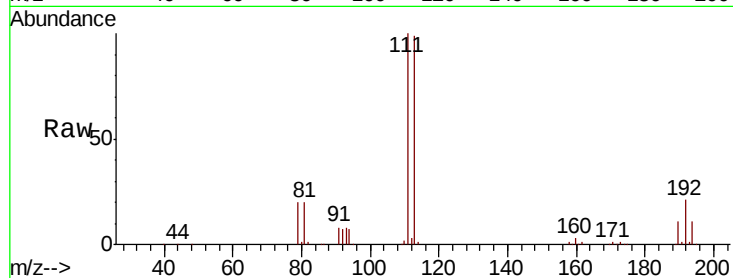
Tgt Ion: 113 Resp: 463549

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

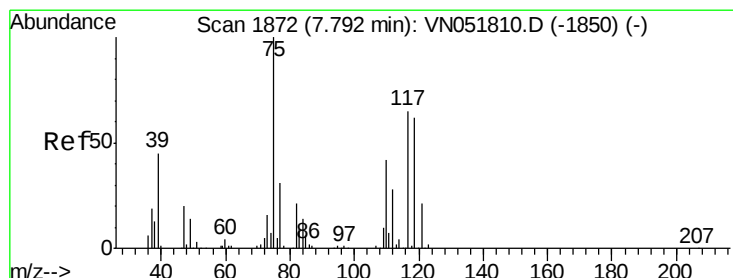
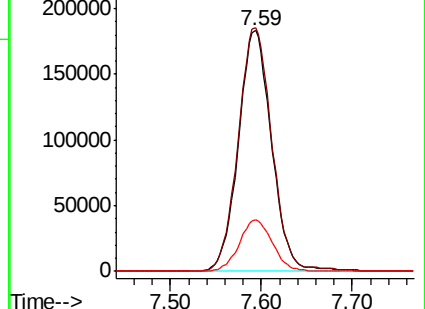
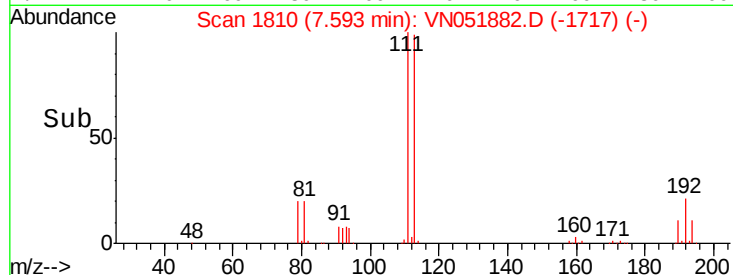
192 21.3 18.0 27.0



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: 5.445 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051882.D

Acq: 16 Oct 2018 9:33

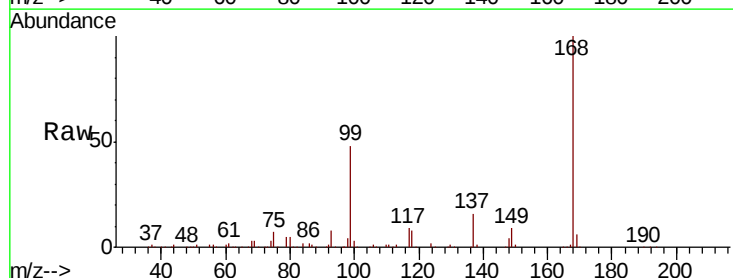
Tgt Ion: 75 Resp: 54560

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.4#

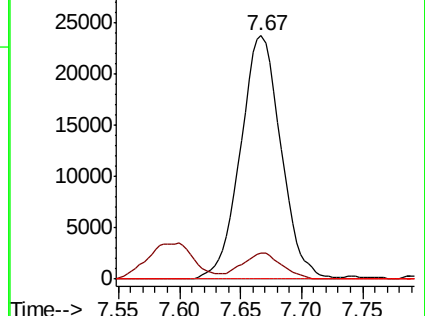
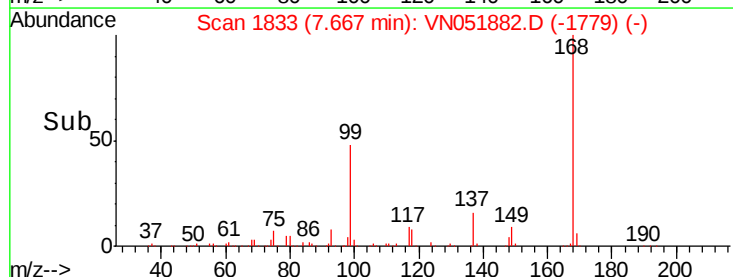
77 0.0 24.8 37.2#

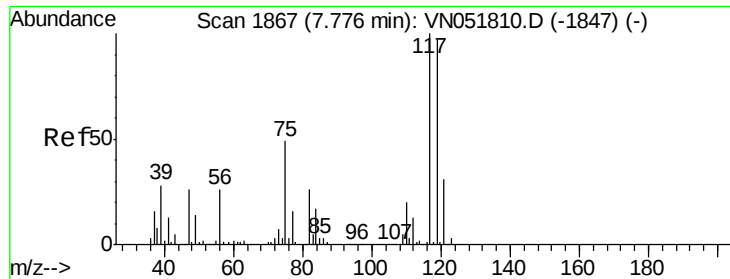


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.918 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051882.D

Acq: 16 Oct 2018 9:33

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBL01

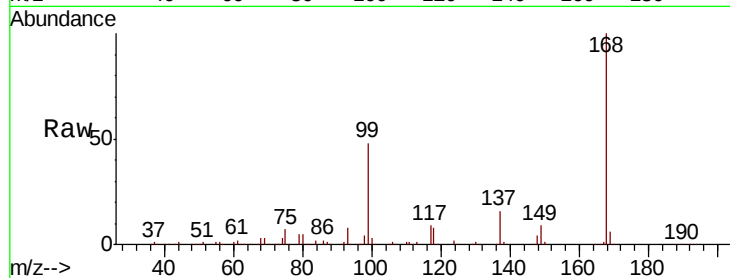
Tgt Ion:117 Resp: 80355

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

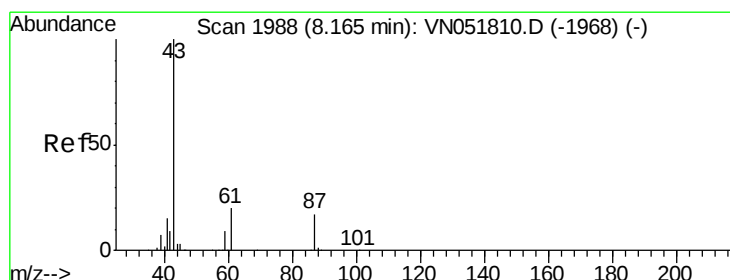
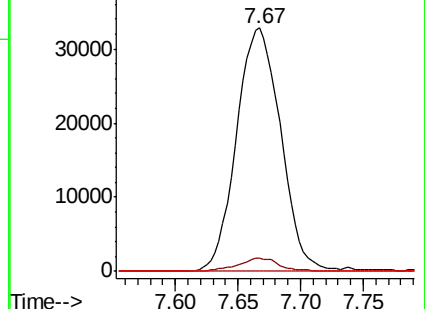
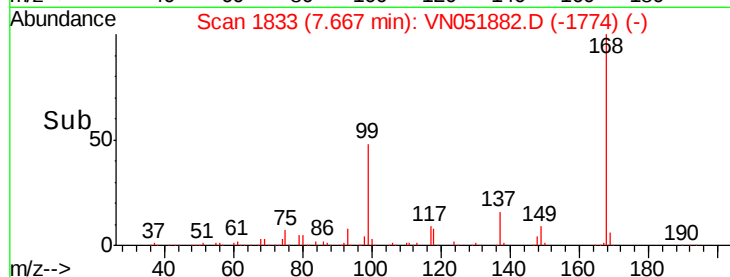
121 0.0 24.6 36.8#



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: 0.660 ug/l

RT: 8.28 min Scan# 2023

Delta R.T. 0.11 min

Lab File: VN051882.D

Acq: 16 Oct 2018 9:33

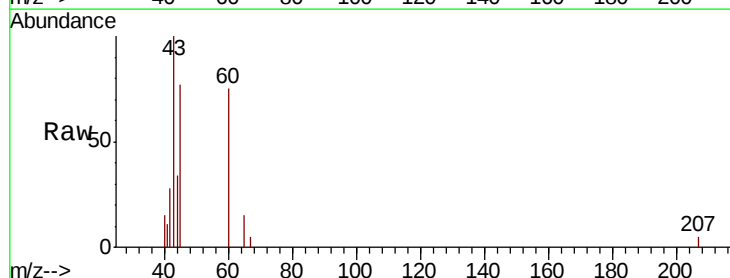
Tgt Ion: 43 Resp: 12649

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

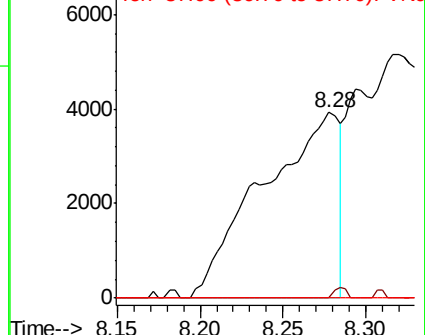
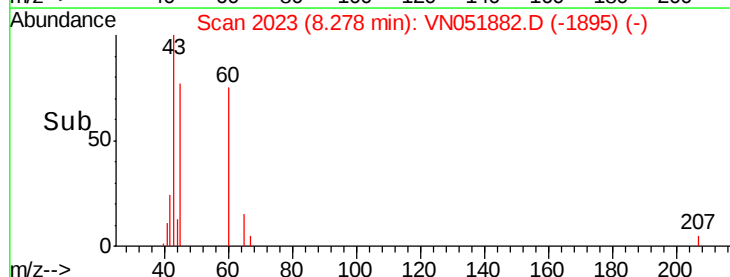
87 0.0 11.3 16.9#

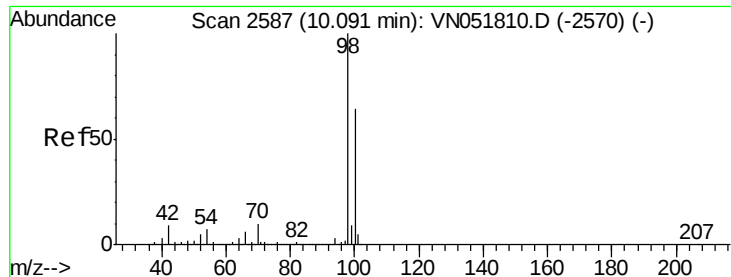


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051882.D

Acq: 16 Oct 2018 9:33

Instrument :

MSVOA_N

ClientSampleId :

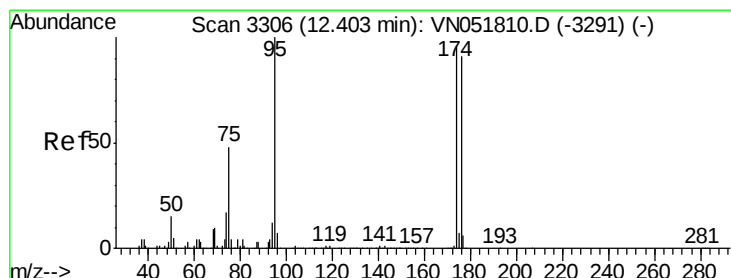
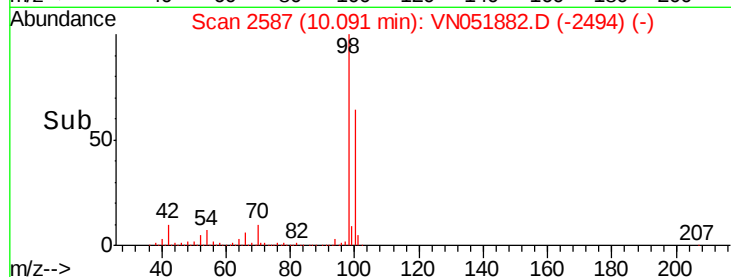
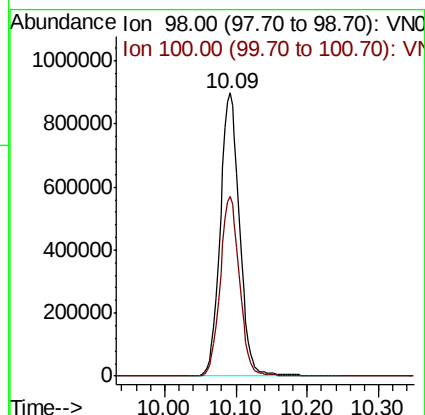
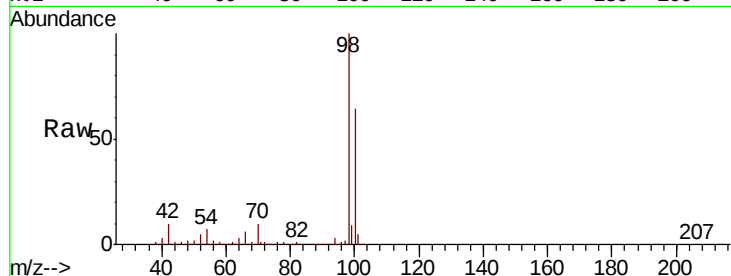
VN1016MBL01

Tgt Ion: 98 Resp: 1680951

Ion Ratio Lower Upper

98 100

100 63.5 51.5 77.3



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051882.D

Acq: 16 Oct 2018 9:33

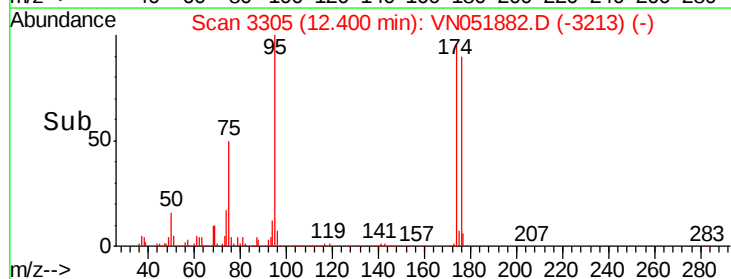
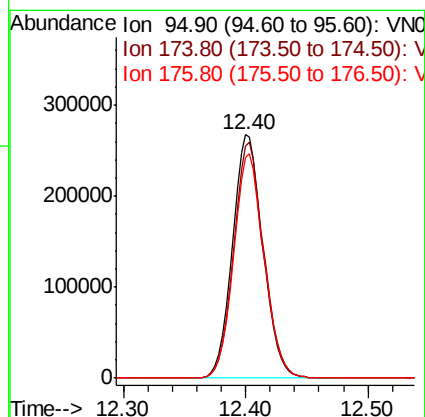
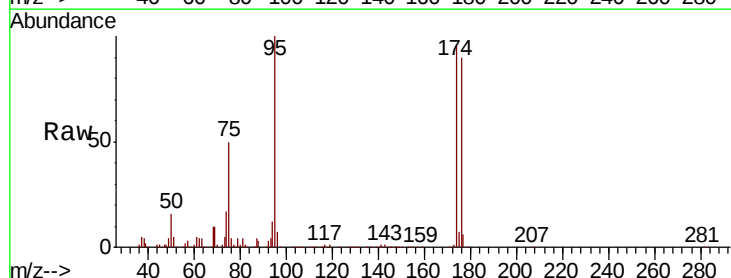
Tgt Ion: 95 Resp: 462099

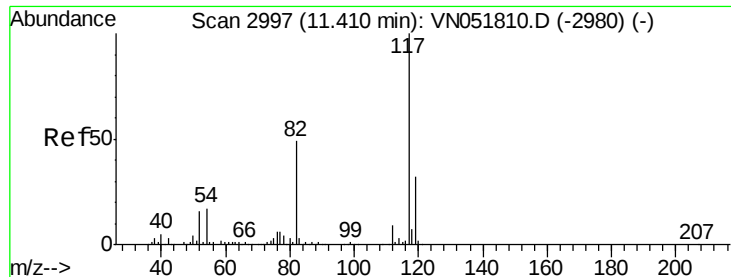
Ion Ratio Lower Upper

95 100

174 96.1 0.0 183.0

176 92.0 0.0 178.8

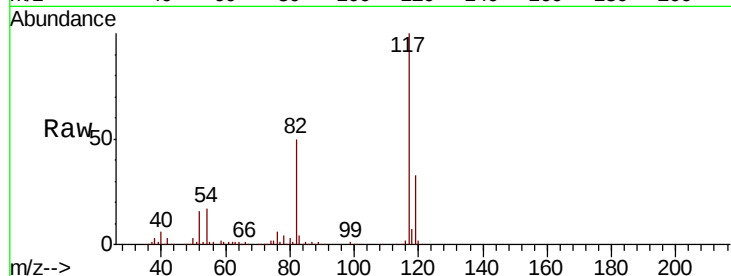




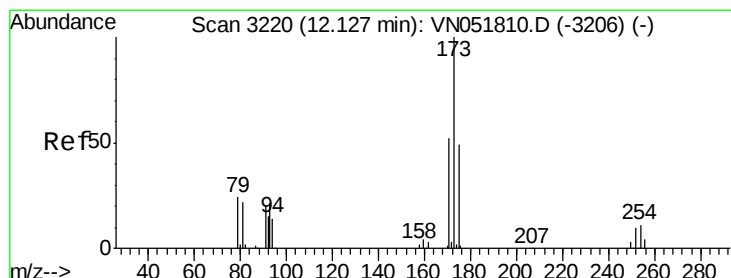
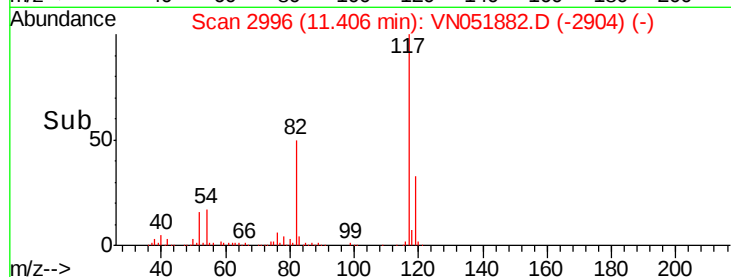
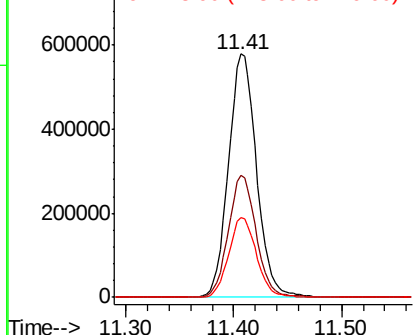
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051882.D
Acq: 16 Oct 2018 9:33

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBL01

Tgt Ion:117 Resp: 1051462
Ion Ratio Lower Upper
117 100
82 50.0 42.6 64.0
119 32.7 25.8 38.6

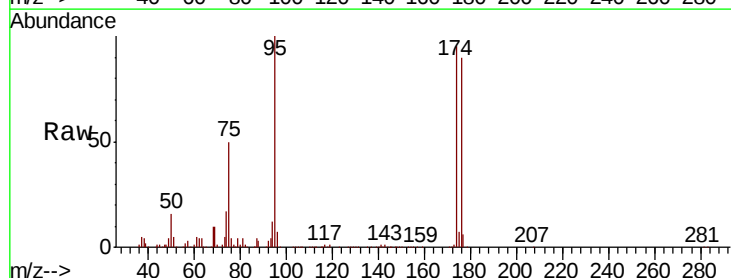


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

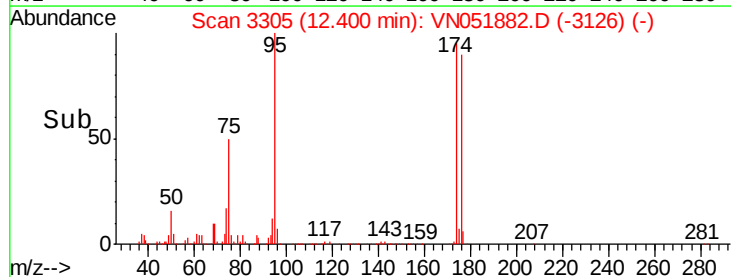
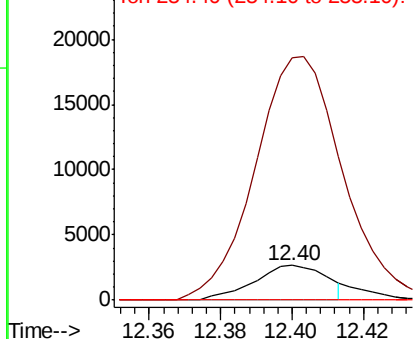


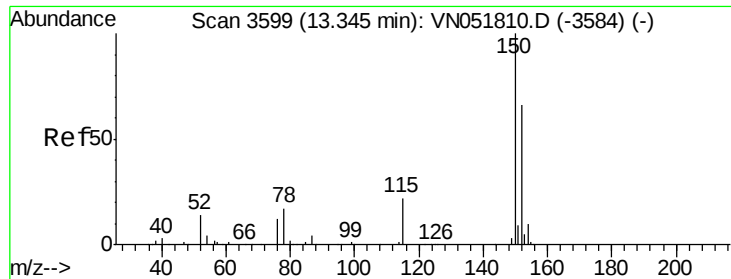
#71
Bromoform
Concen: 4.122 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051882.D
Acq: 16 Oct 2018 9:33

Tgt Ion:173 Resp: 3733
Ion Ratio Lower Upper
173 100
175 729.7 24.4 73.4#
254 0.0 0.1 0.1#



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: VN051882.D

Acq: 16 Oct 2018 9:33

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBL01

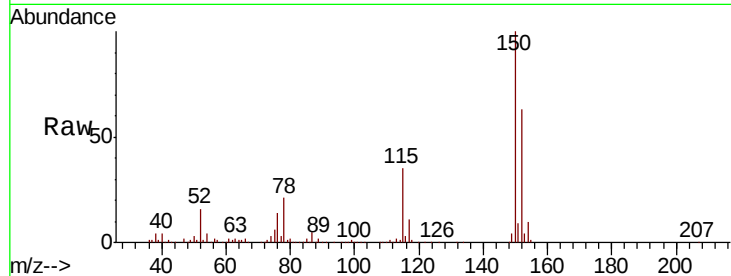
Tgt Ion: 152 Resp: 345201

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.4

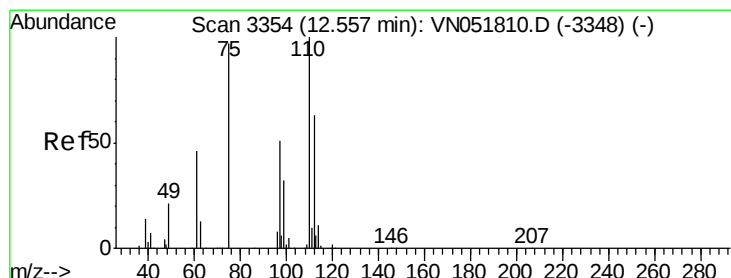
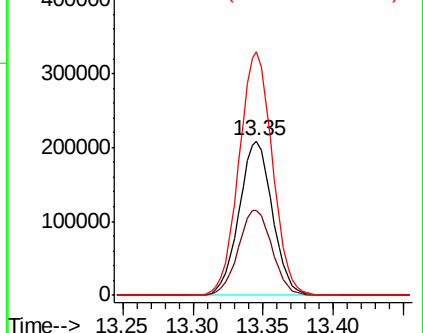
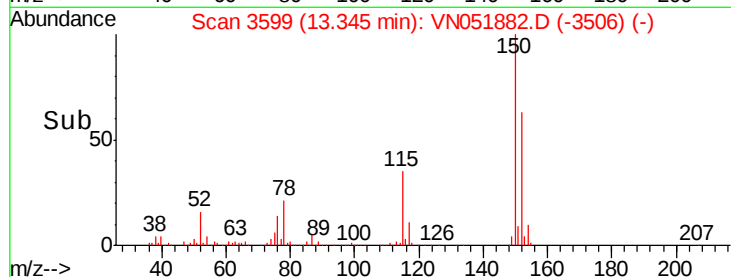
150 158.5 0.0 351.4



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: 54.659 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.16 min

Lab File: VN051882.D

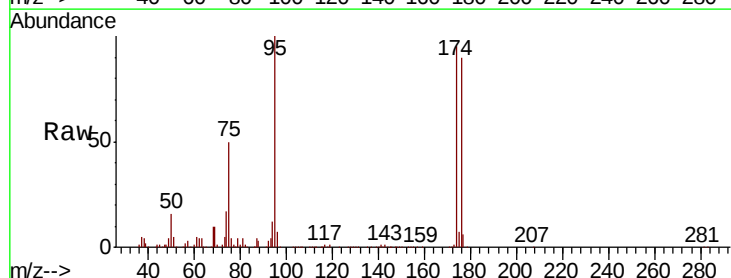
Acq: 16 Oct 2018 9:33

Tgt Ion: 75 Resp: 232617

Ion Ratio Lower Upper

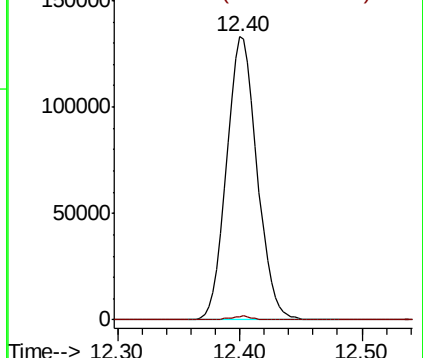
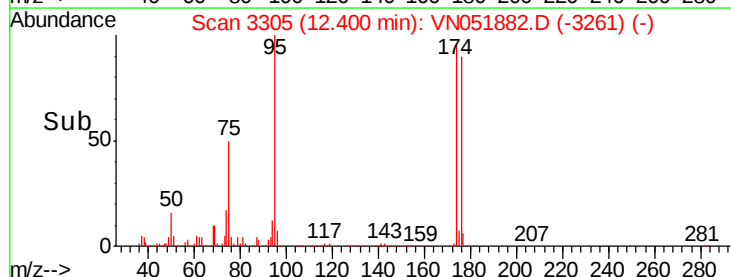
75 100

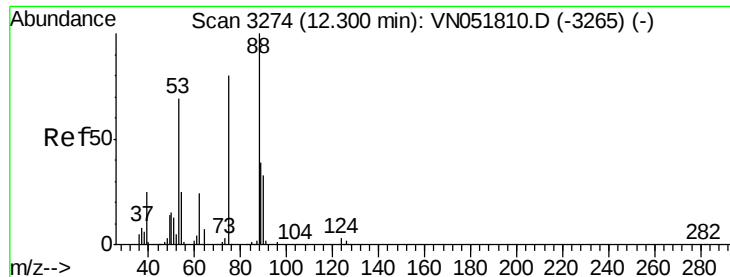
77 1.0 0.0 0.0#



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: 155.176 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051882.D

Acq: 16 Oct 2018 9:33

Instrument :

MSVOA_N

ClientSampleId :

VN1016MBL01

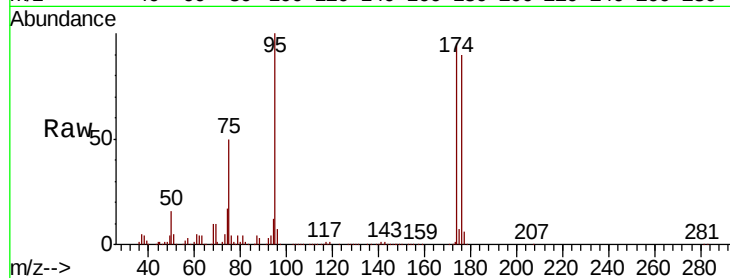
Tgt Ion: 75 Resp: 232617

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

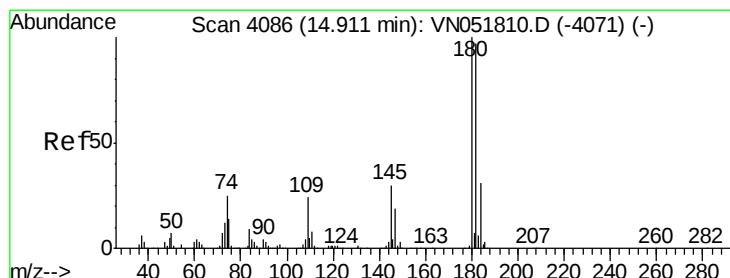
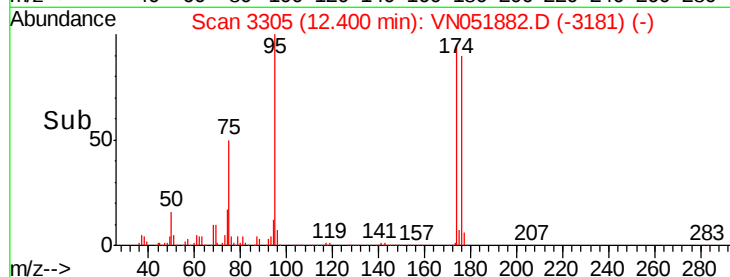
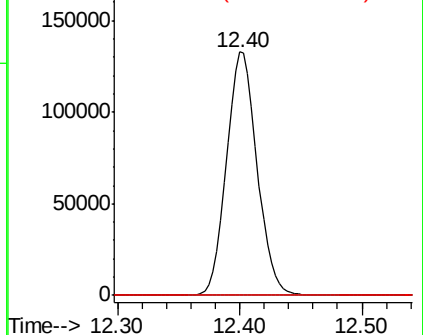
89 0.0 36.1 54.1#



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: 3.787 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051882.D

Acq: 16 Oct 2018 9:33

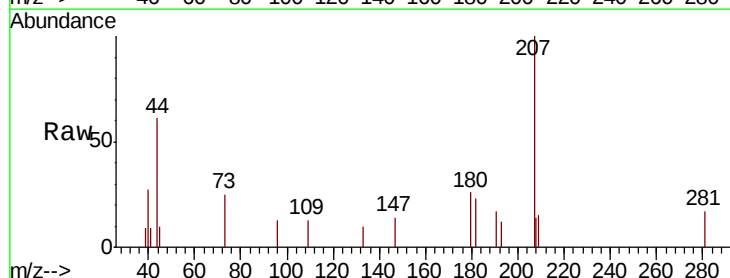
Tgt Ion: 180 Resp: 830

Ion Ratio Lower Upper

180 100

182 85.1 48.2 144.6

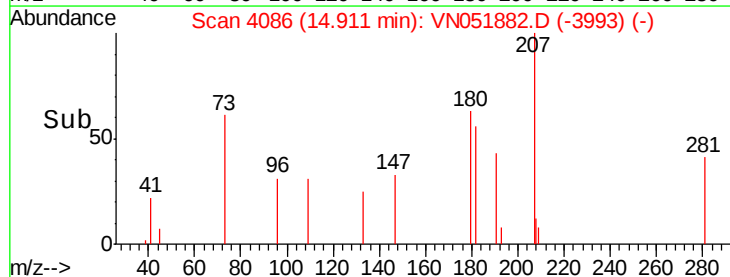
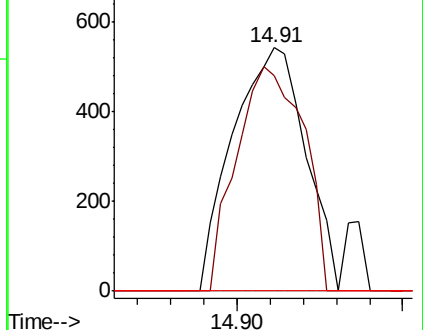
145 0.0 14.1 42.2#

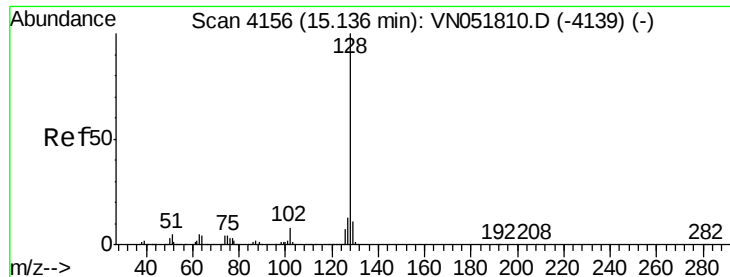


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

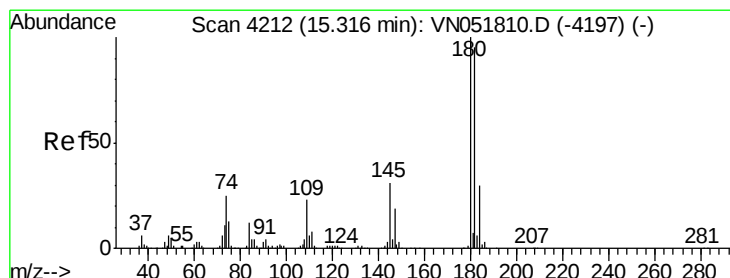
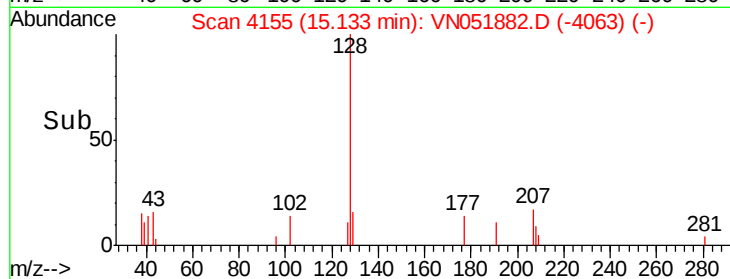
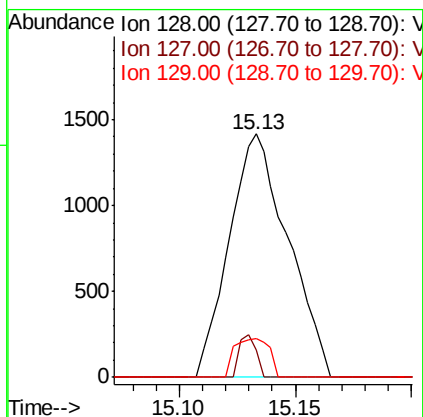
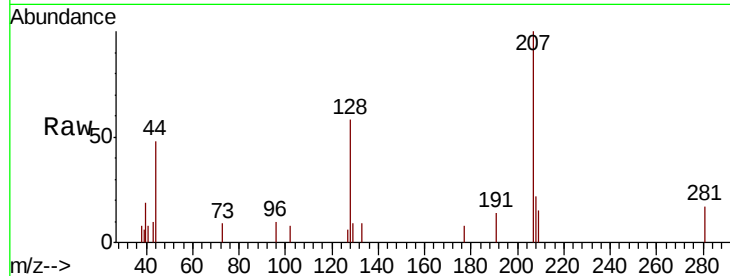




#95
Naphthalene
Concen: 4.575 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051882.D
Acq: 16 Oct 2018 9:33

Instrument :
MSVOA_N
ClientSampleId :
VN1016MBL01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	4.8	10.5	15.7#
129	9.3	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.016 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051882.D
Acq: 16 Oct 2018 9:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	54.5	48.0	144.2
145	11.9	15.2	45.6#

