

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101618\
 Data File : VN051881.D
 Acq On : 16 Oct 2018 9:08
 Operator : MD\SY
 Sample : VN1016WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBL01

Quant Time: Oct 17 02:21:47 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	927131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1329017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1140019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	411255	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	502132	56.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.32%	
35) Dibromofluoromethane	7.59	113	499308	60.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.84%	
50) Toluene-d8	10.09	98	1814271	58.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.84%	
62) 4-Bromofluorobenzene	12.40	95	512277	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	

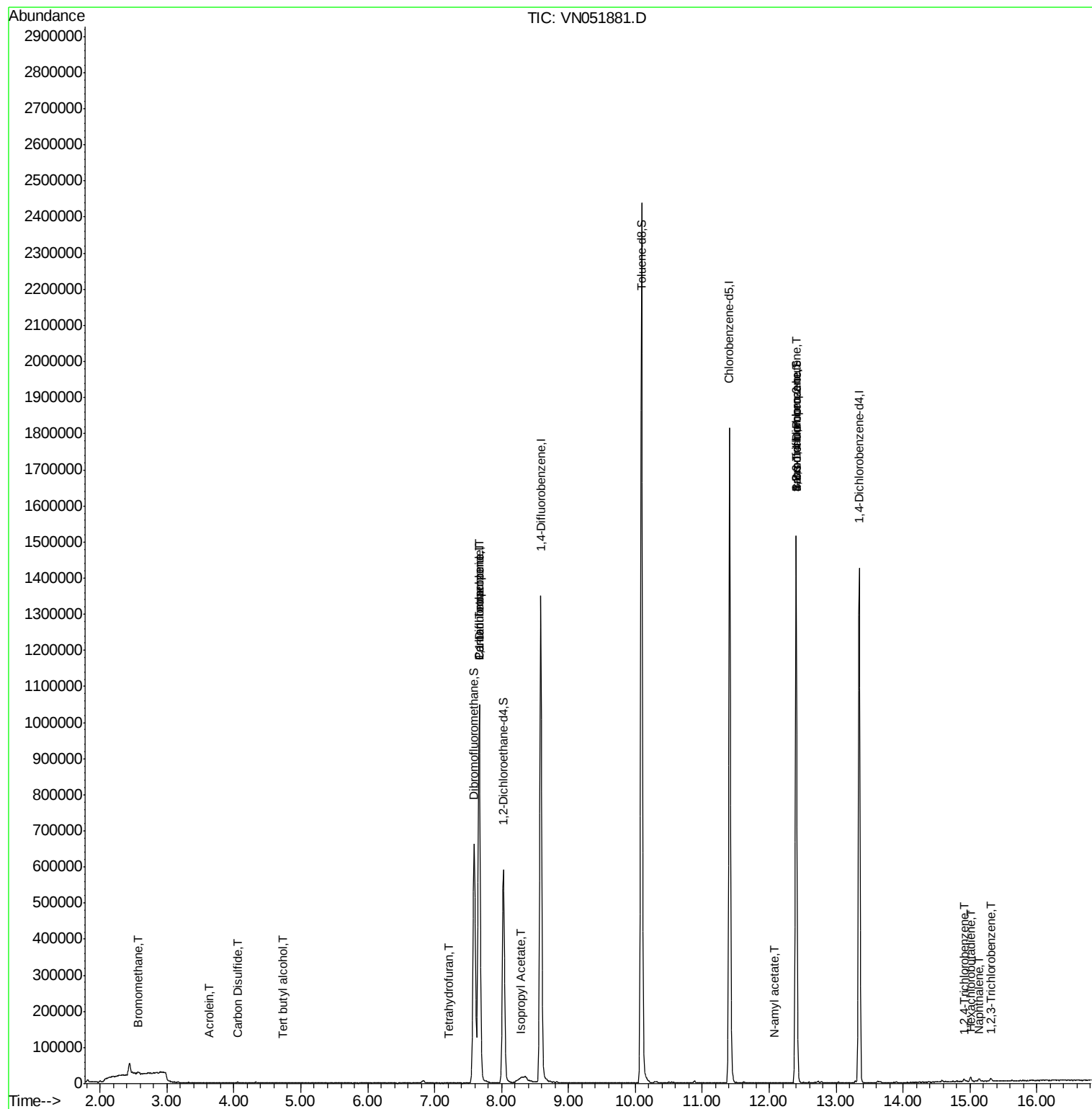
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	3091	0.366	ug/l #	58
11) Tert butyl alcohol	4.73	59	488	0.749	ug/l #	72
13) Acrolein	3.63	56	30	15.982	ug/l #	1
17) Carbon Disulfide	4.06	76	4086	0.227	ug/l #	75
18) Methyl Acetate	4.32	43	2353	Below Cal	#	82
29) Tetrahydrofuran	7.22	42	494	0.307	ug/l #	49
31) Cyclohexane	7.66	56	14982	Below Cal	#	6
36) 1,1-Dichloropropene	7.67	75	59179	5.500	ug/l #	50
38) Carbon Tetrachloride	7.67	117	82841	6.642	ug/l #	16
43) Isopropyl Acetate	8.27	43	13902	0.689	ug/l #	58
71) Bromoform	12.40	173	4086	4.127	ug/l #	1
74) N-amyl acetate	12.07	43	1466	0.233	ug/l #	73
76) 1,2,3-Trichloropropane	12.40	75	261230	51.497	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	261230	146.274	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	2448	3.983	ug/l	94
94) Hexachlorobutadiene	15.01	225	2376	0.563	ug/l	95
95) Naphthalene	15.13	128	6313	4.776	ug/l	96
96) 1,2,3-Trichlorobenzene	15.32	180	3275	3.318	ug/l	92

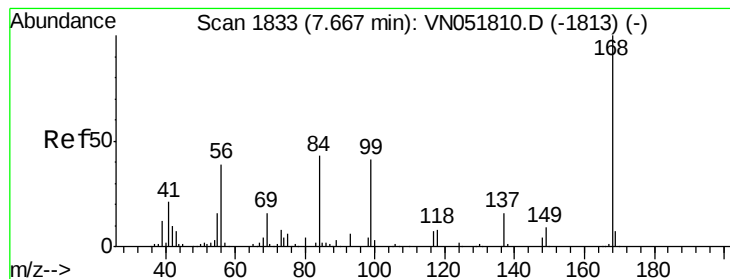
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 12 09:51:20 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: VN051881.D

Acq: 16 Oct 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

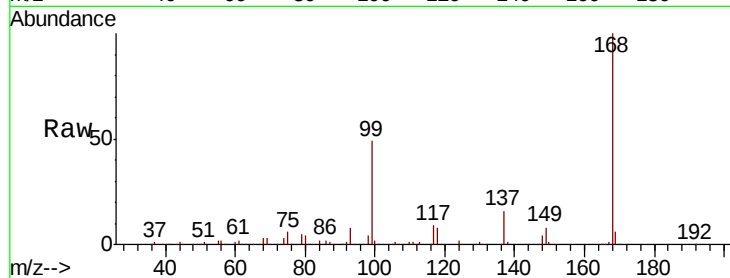
VN1016WBL01

Tgt Ion:168 Resp: 927131

Ion Ratio Lower Upper

168 100

99 48.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

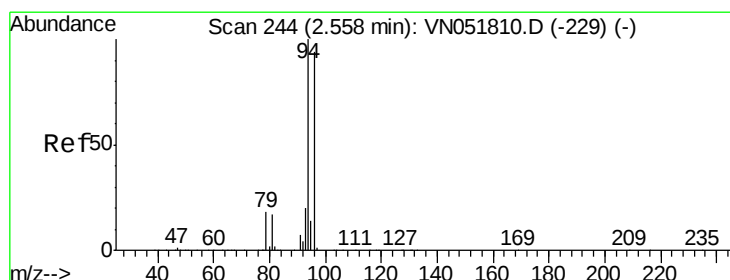
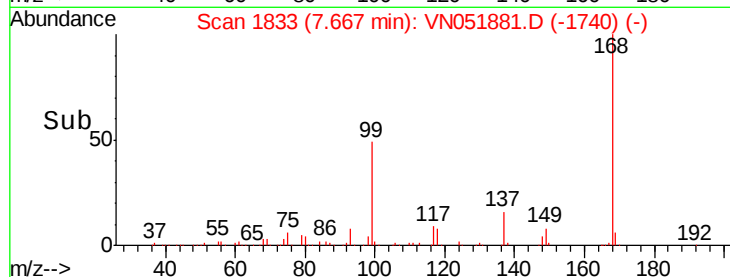
200000

100000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: 0.366 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051881.D

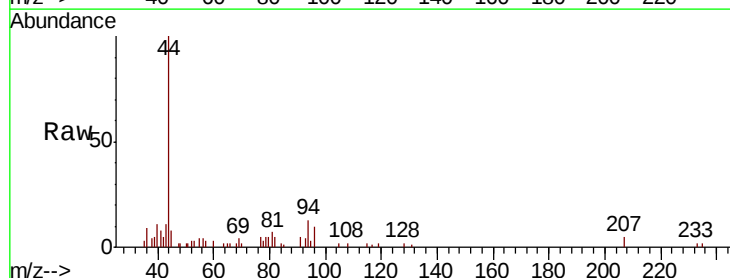
Acq: 16 Oct 2018 9:08

Tgt Ion: 94 Resp: 3091

Ion Ratio Lower Upper

94 100

96 54.6 76.2 114.2#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

1500

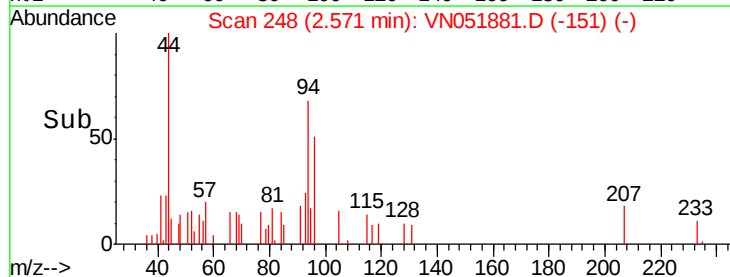
1000

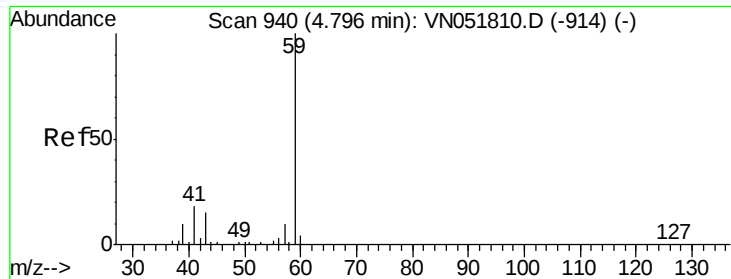
500

0

2.50 2.55 2.60

Time-->





#11

Tert butyl alcohol

Concen: 0.749 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.06 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

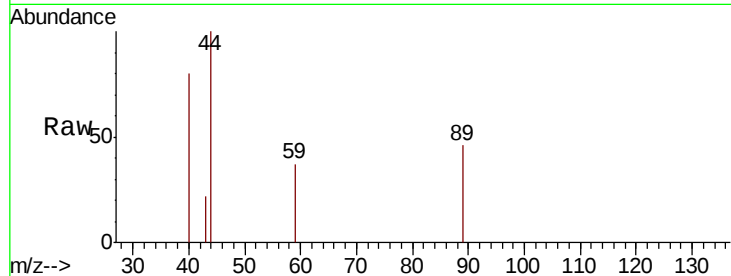
VN1016WBL01

Tgt Ion: 59 Resp: 488

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

4.73

300

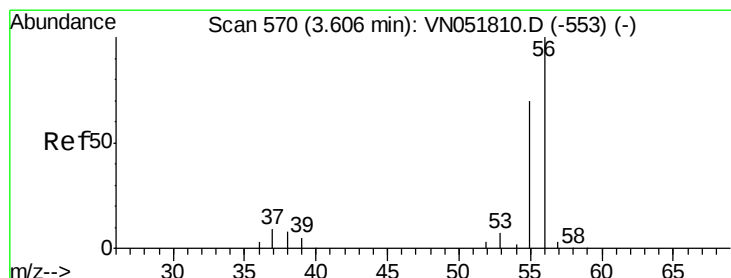
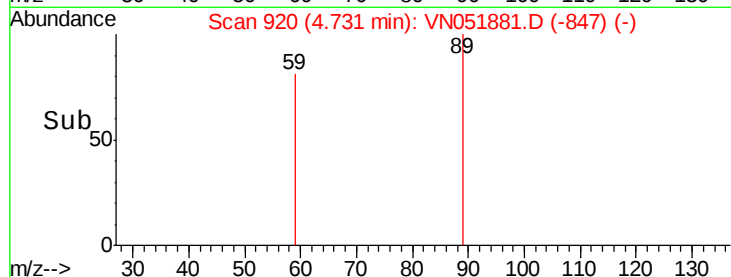
200

100

0

4.70 4.72 4.74 4.76

Time-->



#13

Acrolein

Concen: 15.982 ug/l

RT: 3.63 min Scan# 577

Delta R.T. 0.02 min

Lab File: VN051881.D

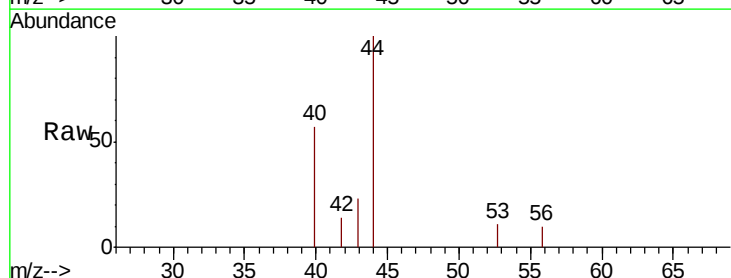
Acq: 16 Oct 2018 9:08

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 213.3 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

200

150

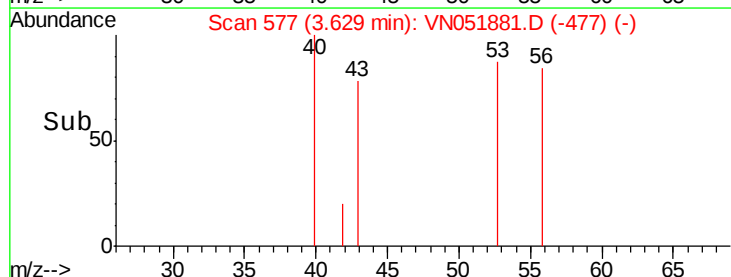
100

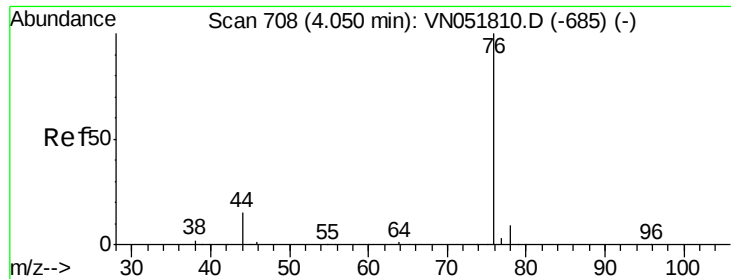
50

0

3.62 3.63 3.63 3.63

Time-->

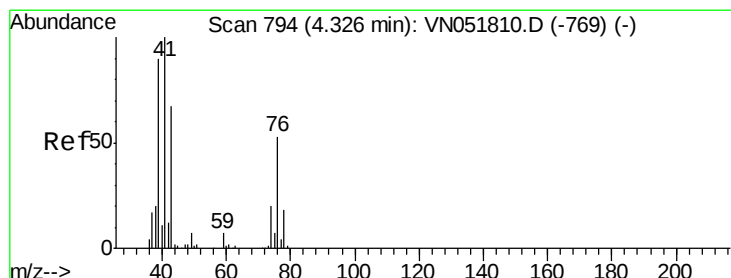
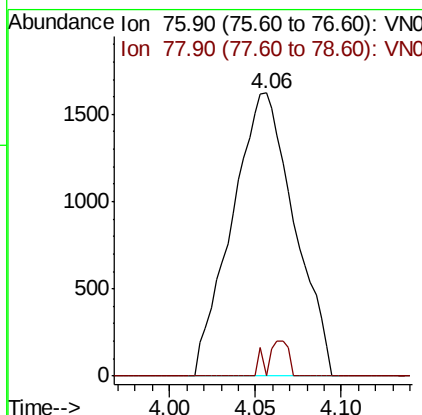
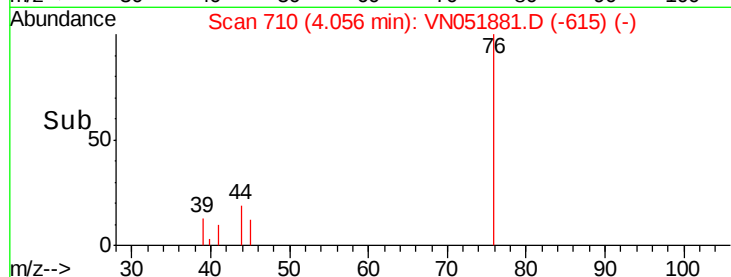
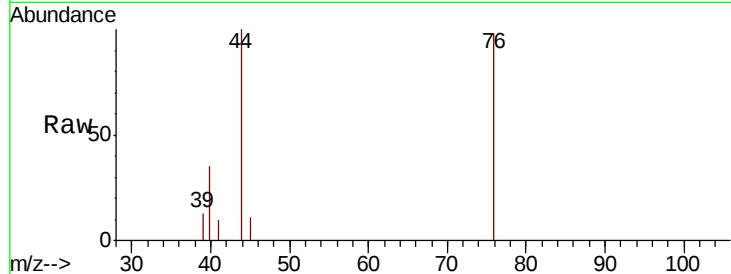




#17
Carbon Disulfide
Concen: 0.227 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.01 min
Lab File: VN051881.D
Acq: 16 Oct 2018 9:08

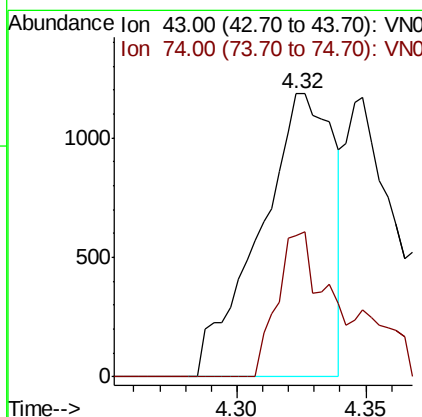
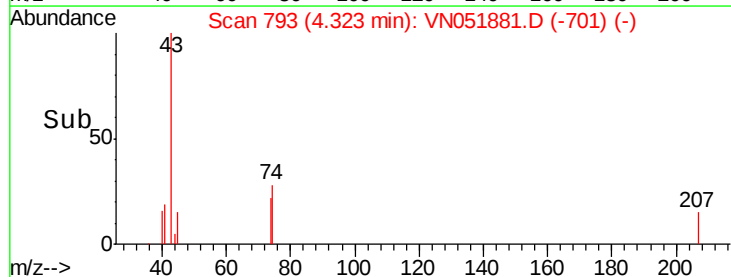
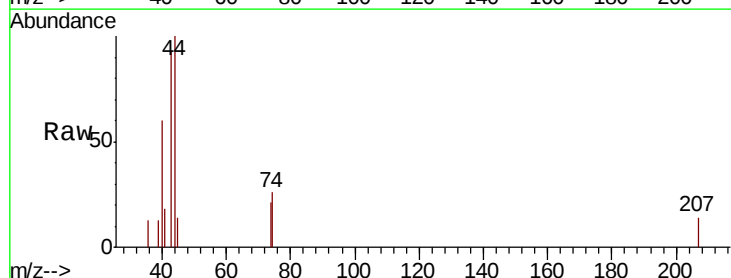
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBL01

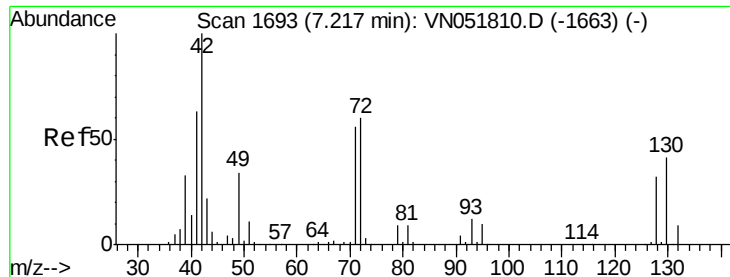
Tgt Ion: 76 Resp: 4086
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051881.D
Acq: 16 Oct 2018 9:08

Tgt Ion: 43 Resp: 2353
Ion Ratio Lower Upper
43 100
74 34.0 19.8 29.8#





#29

Tetrahydrofuran

Concen: 0.307 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBL01

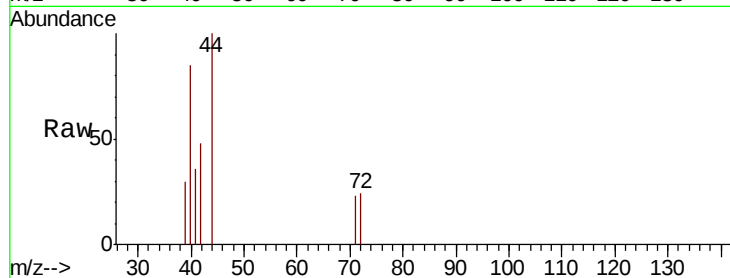
Tgt Ion: 42 Resp: 494

Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

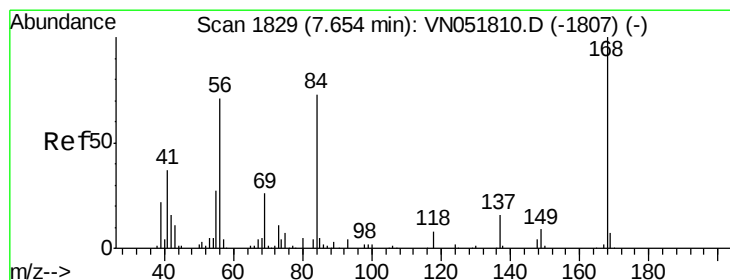
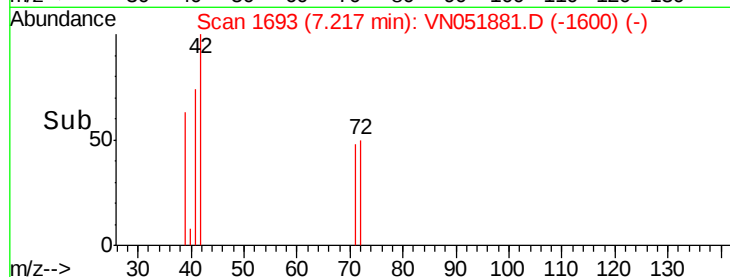
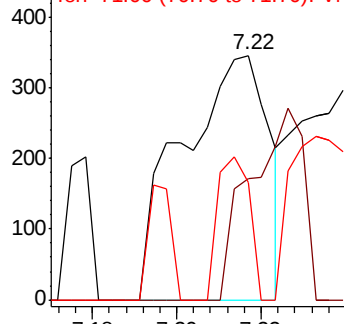
71 21.5 33.7 50.5#



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: VN051881.D

Acq: 16 Oct 2018 9:08

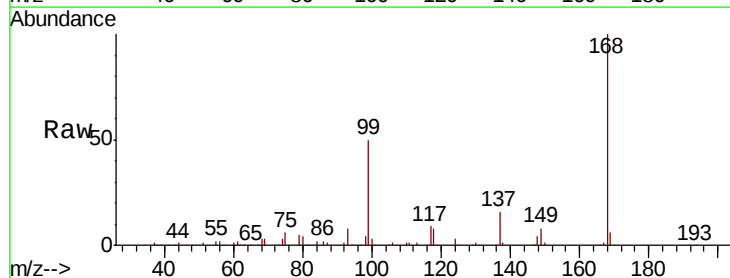
Tgt Ion: 56 Resp: 14982

Ion Ratio Lower Upper

56 100

69 161.3 26.2 39.4#

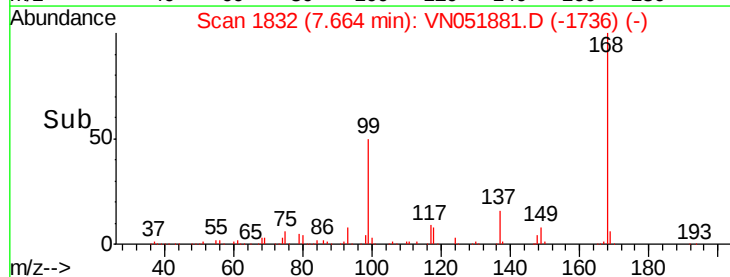
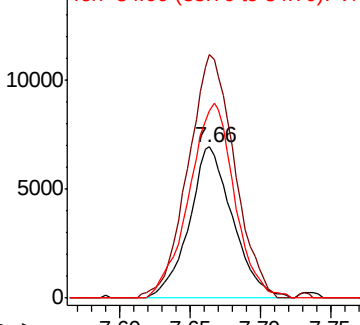
84 124.5 68.3 102.5#

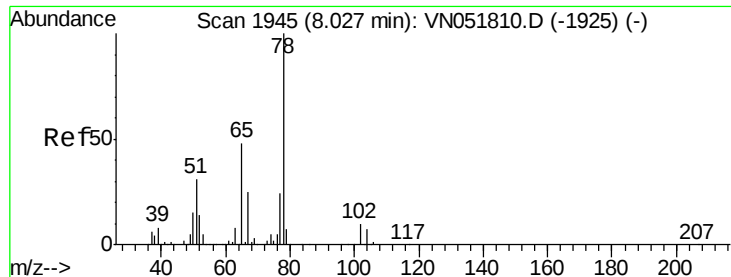


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

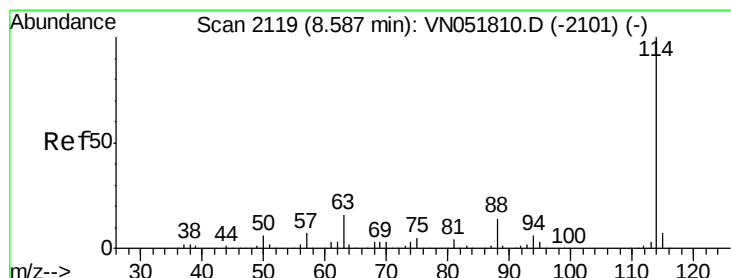
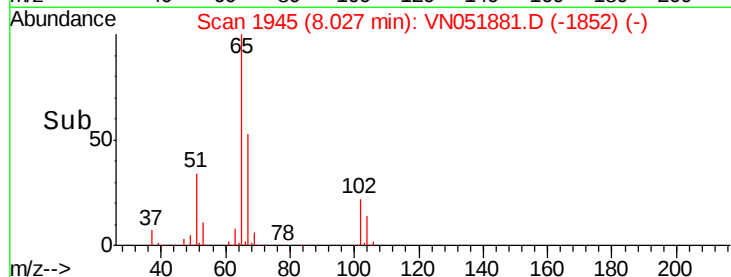
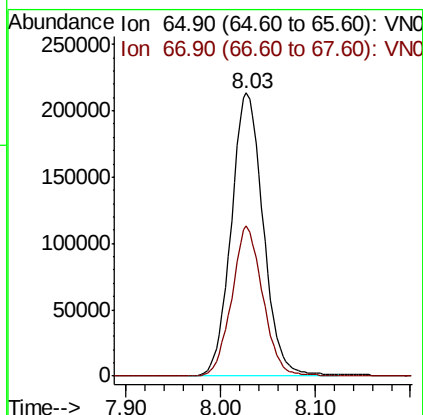
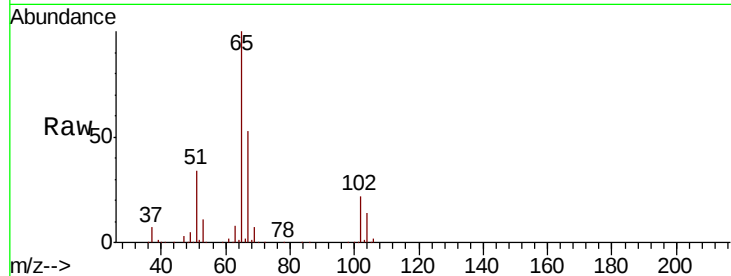




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051881.D
 Acq: 16 Oct 2018 9:08

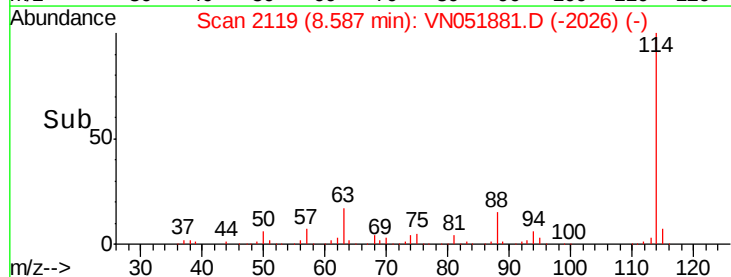
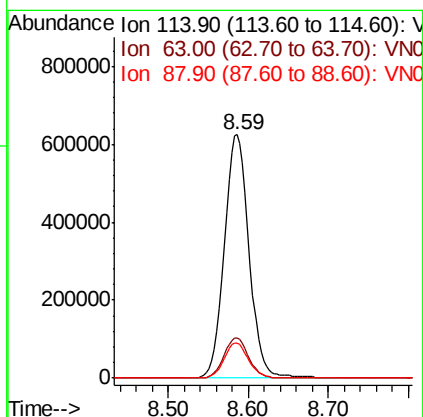
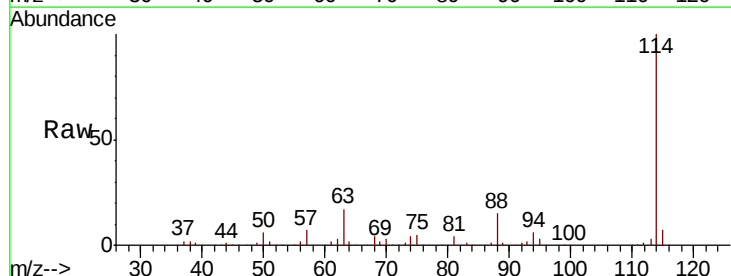
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBL01

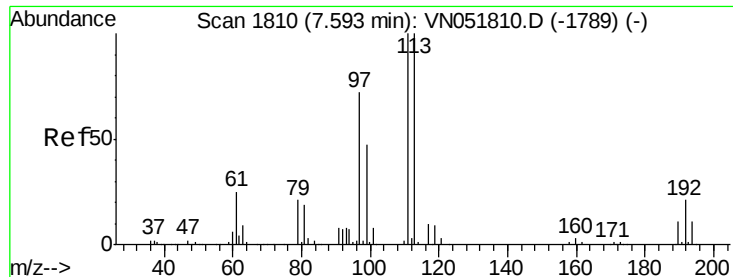
Tgt Ion: 65 Resp: 502132
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051881.D
 Acq: 16 Oct 2018 9:08

Tgt Ion: 114 Resp: 1329017
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 38.6
 88 14.6 0.0 30.6

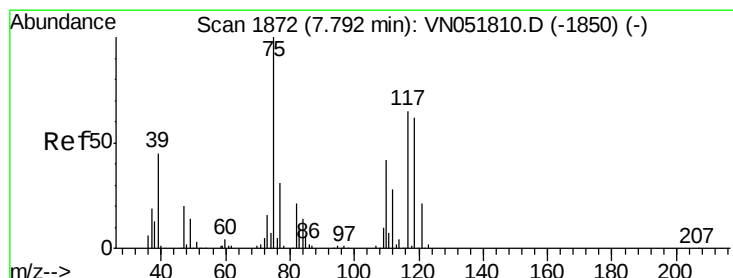
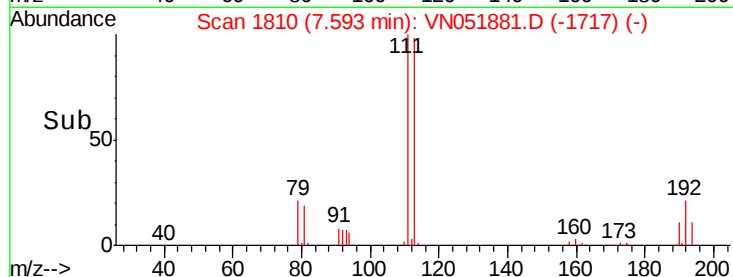
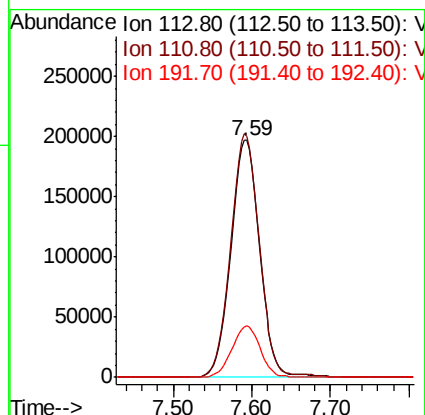
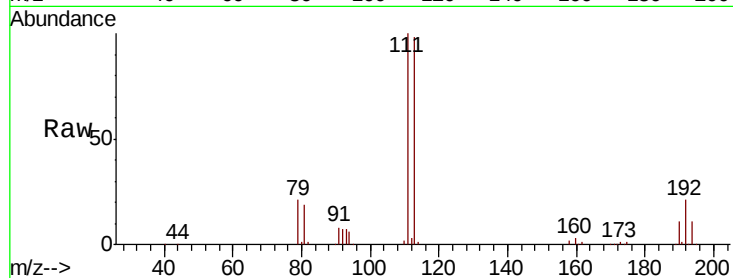




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051881.D
 Acq: 16 Oct 2018 9:08

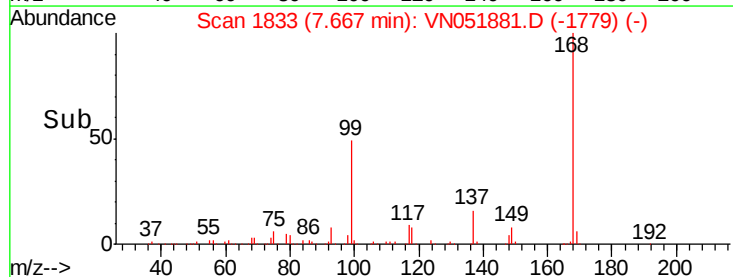
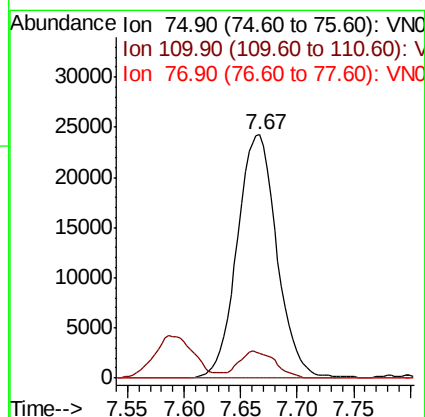
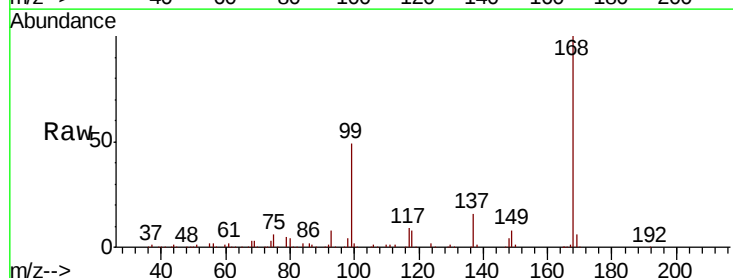
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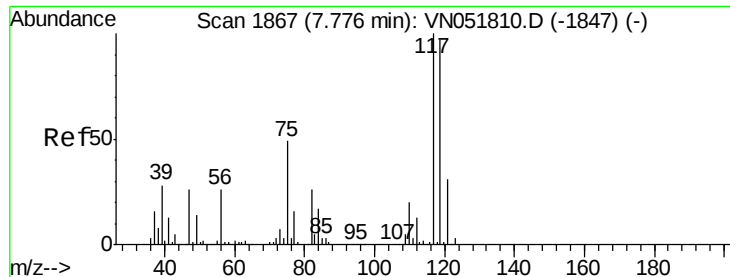
Tgt Ion: 113 Resp: 499308
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.6 123.8
 192 21.4 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 5.500 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051881.D
 Acq: 16 Oct 2018 9:08

Tgt Ion: 75 Resp: 59179
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.1 54.4#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.642 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBL01

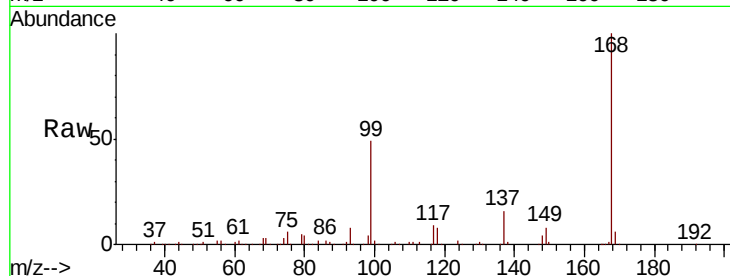
Tgt Ion:117 Resp: 82841

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

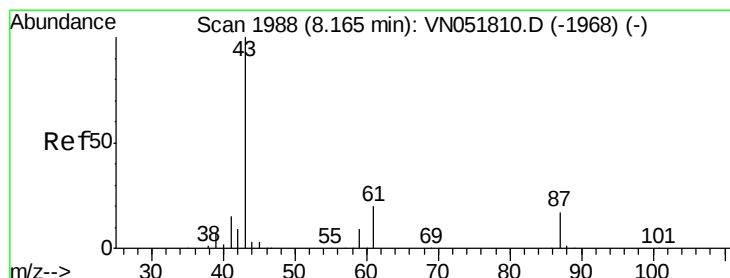
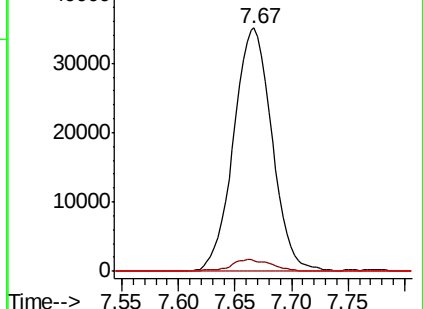
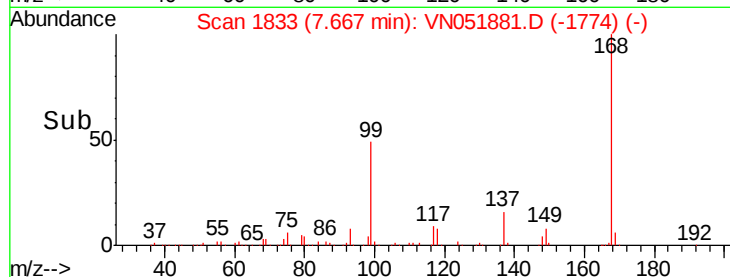
121 0.0 24.6 36.8#



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: 0.689 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.11 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

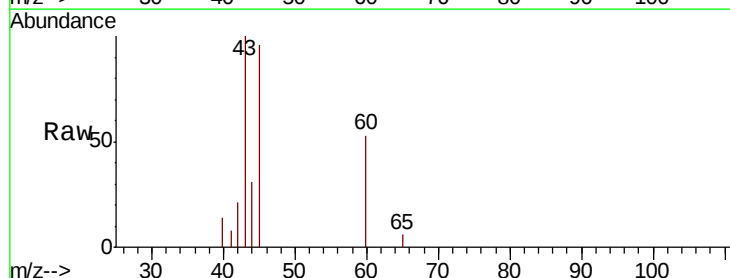
Tgt Ion: 43 Resp: 13902

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

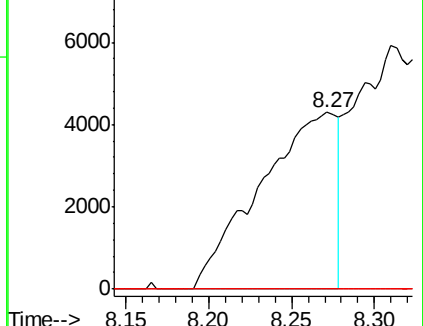
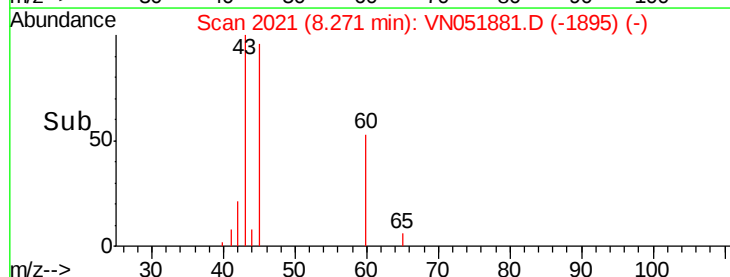
87 0.0 11.3 16.9#

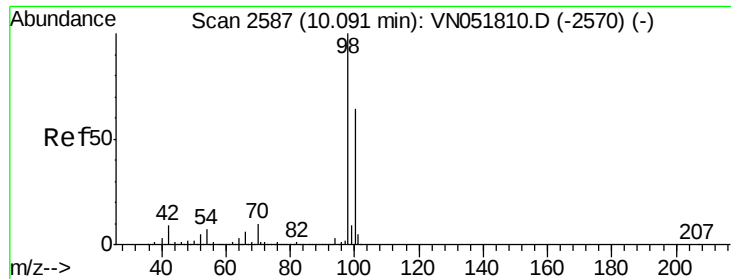


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

Instrument :

MSVOA_N

ClientSampled :

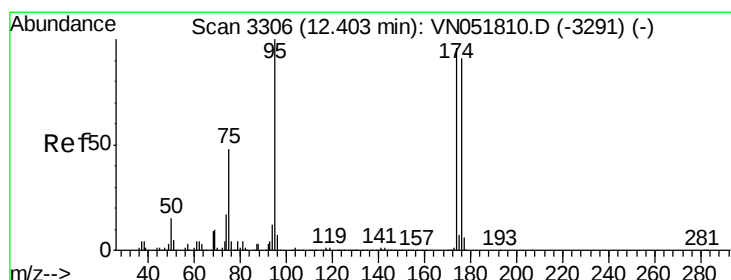
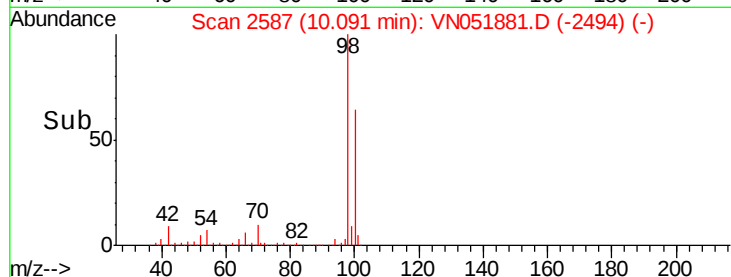
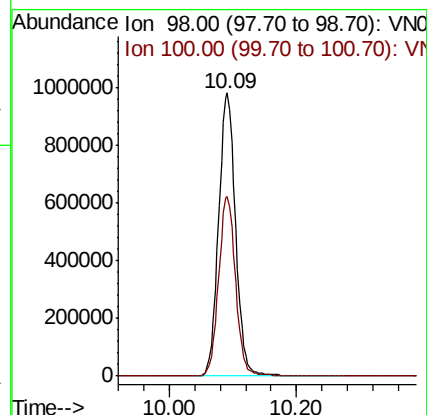
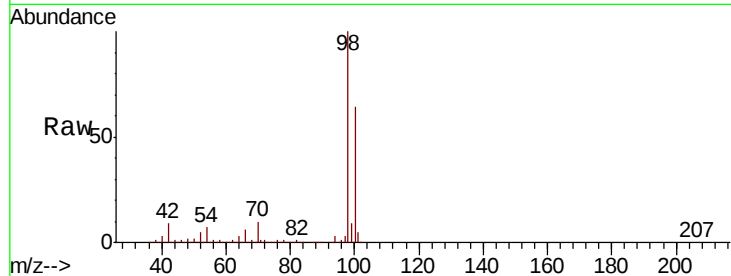
VN1016WBL01

Tgt Ion: 98 Resp: 1814271

Ion Ratio Lower Upper

98 100

100 63.3 51.5 77.3



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

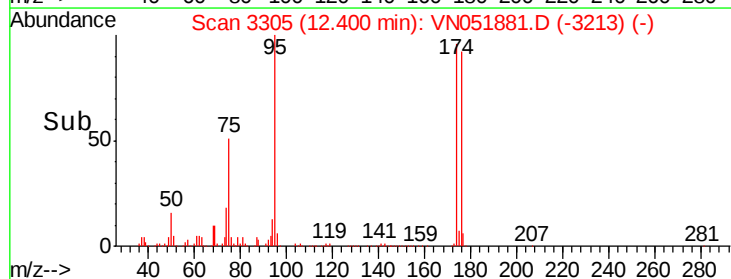
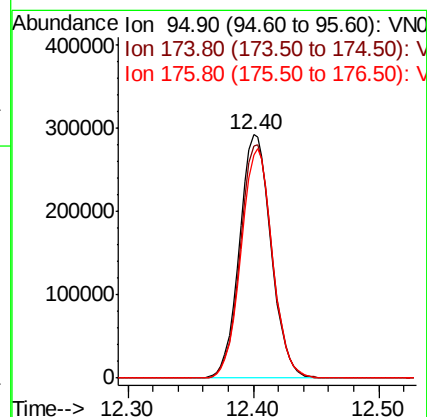
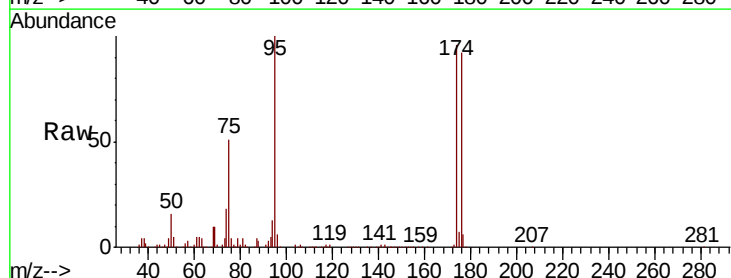
Tgt Ion: 95 Resp: 512277

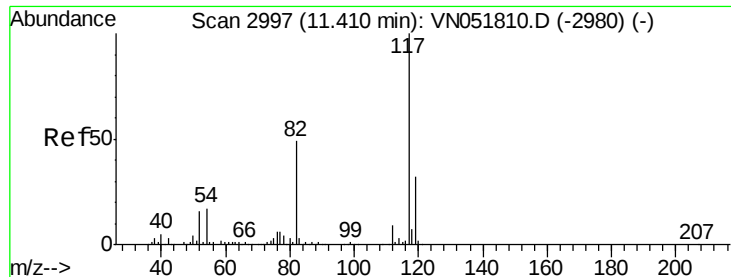
Ion Ratio Lower Upper

95 100

174 96.4 0.0 183.0

176 93.3 0.0 178.8

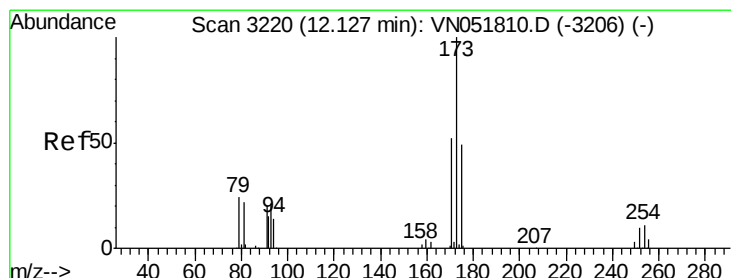
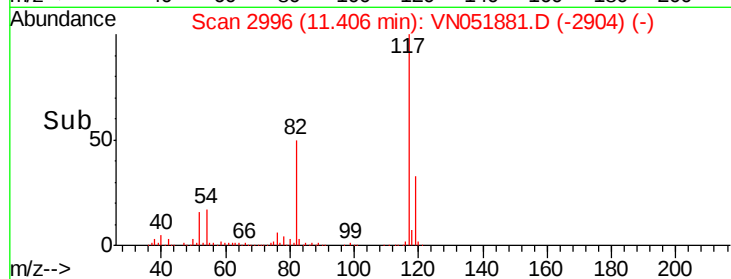
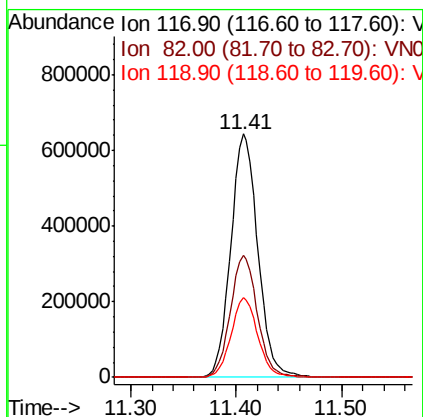
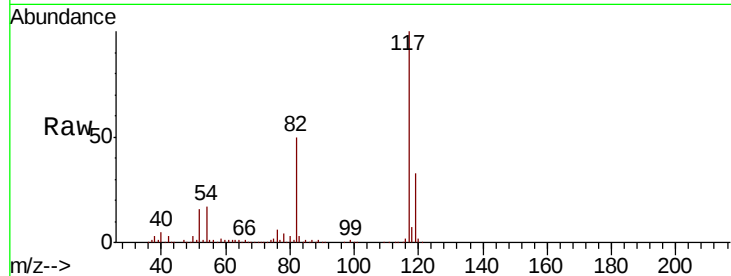




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051881.D
Acq: 16 Oct 2018 9:08

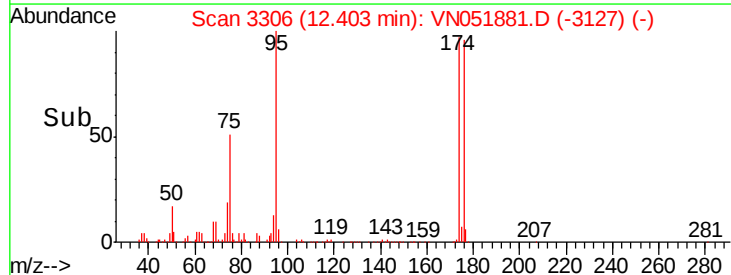
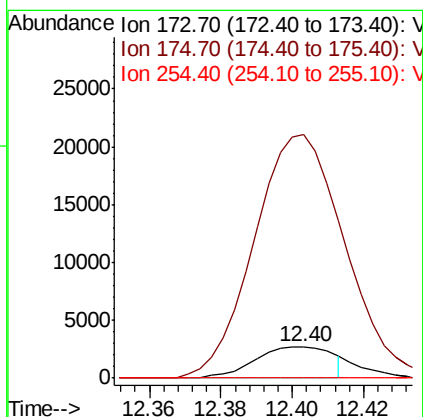
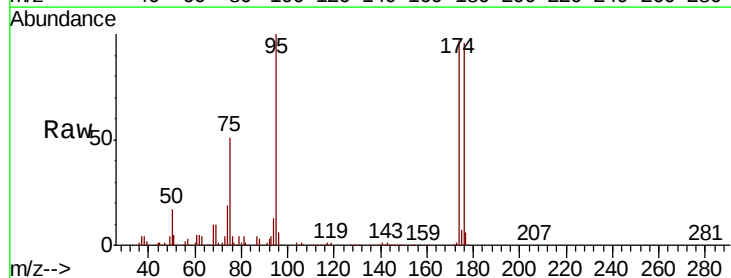
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBL01

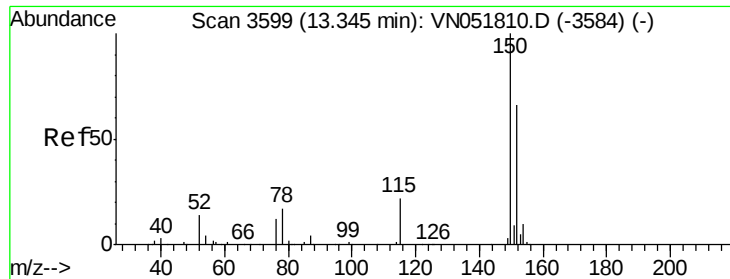
Tgt Ion:117 Resp: 1140019
Ion Ratio Lower Upper
117 100
82 50.1 42.6 64.0
119 32.5 25.8 38.6



#71
Bromoform
Concen: 4.127 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051881.D
Acq: 16 Oct 2018 9:08

Tgt Ion:173 Resp: 4086
Ion Ratio Lower Upper
173 100
175 770.7 24.4 73.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBL01

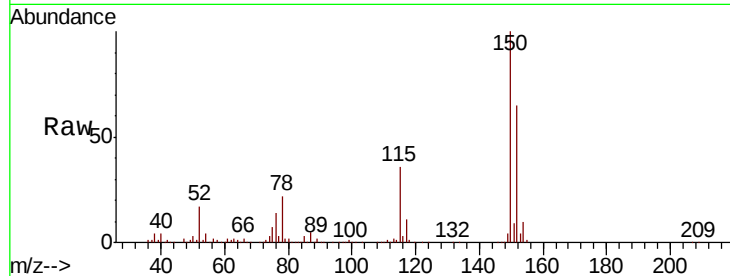
Tgt Ion:152 Resp: 411255

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.4

150 157.3 0.0 351.4

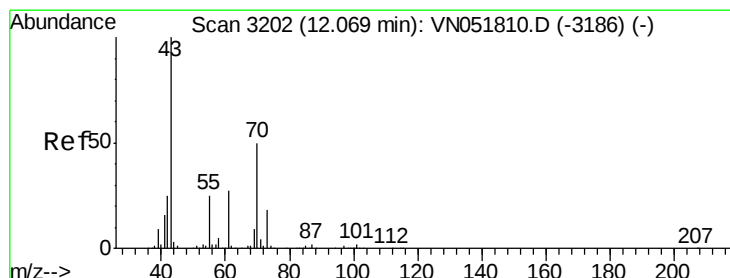
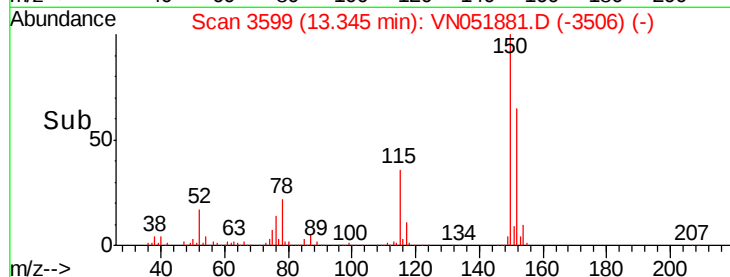
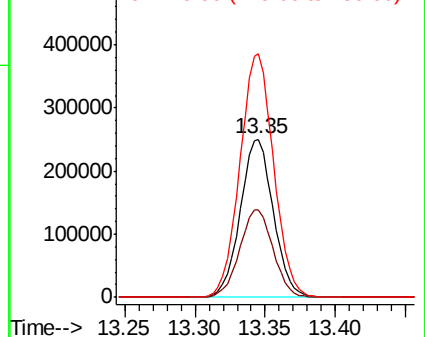


Abundance

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



#74

N-ethyl acetate

Concen: 0.233 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

Tgt Ion: 43 Resp: 1466

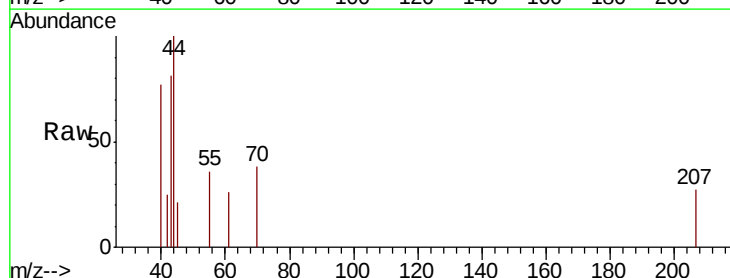
Ion Ratio Lower Upper

43 100

70 21.6 36.2 54.2#

55 21.8 21.8 32.8#

61 10.4 20.5 30.7#



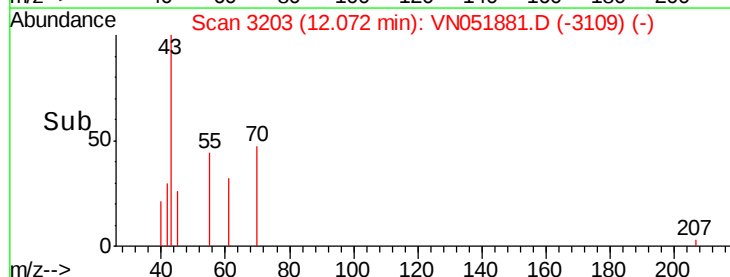
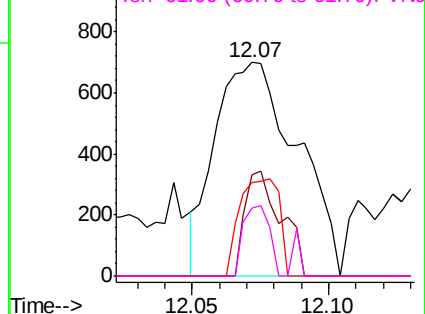
Abundance

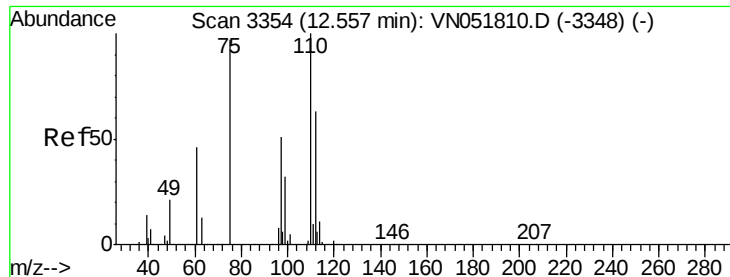
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 51.497 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.16 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

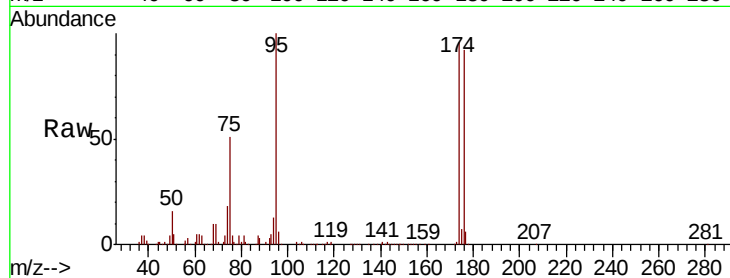
VN1016WBL01

Tgt Ion: 75 Resp: 261230

Ion Ratio Lower Upper

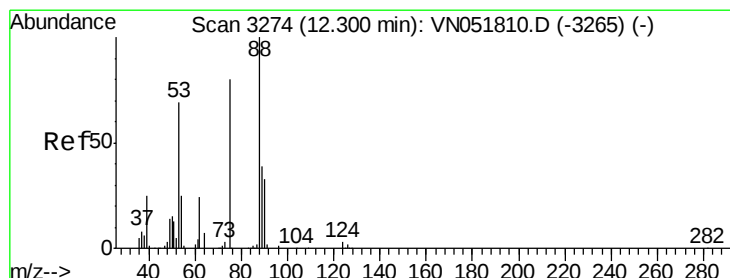
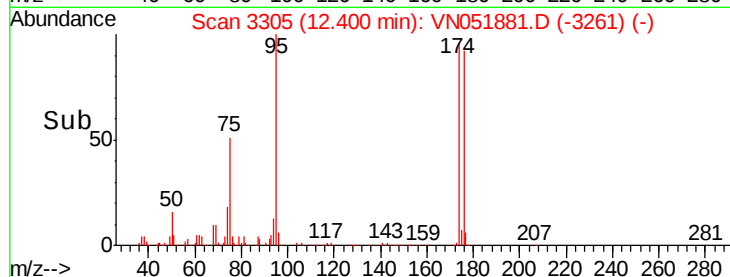
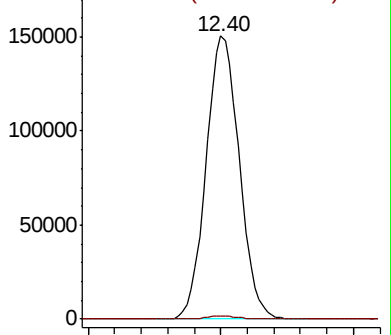
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 146.274 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

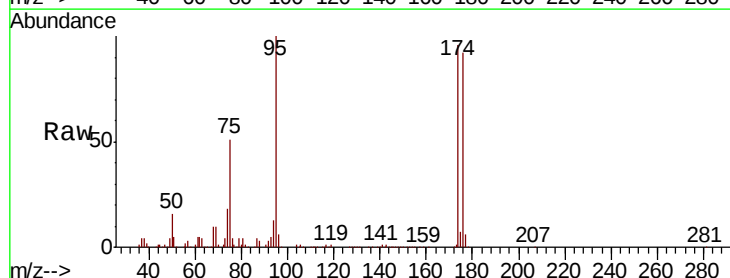
Tgt Ion: 75 Resp: 261230

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

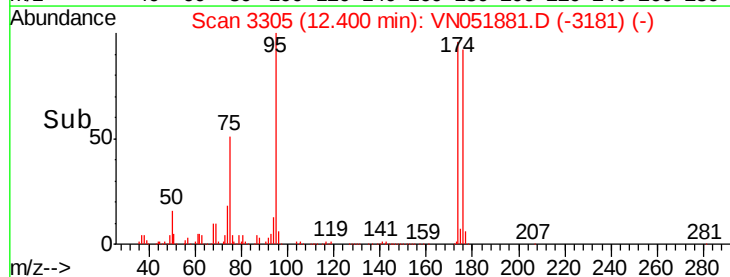
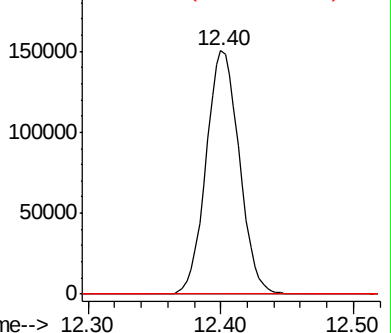
89 0.0 36.1 54.1#

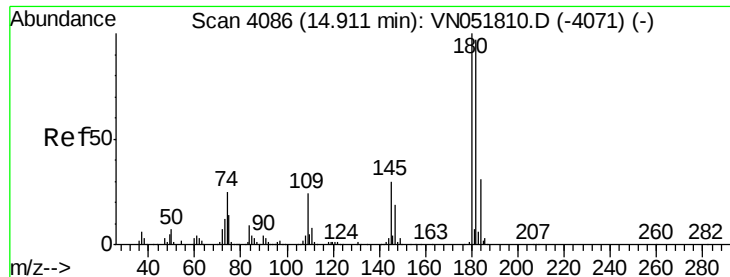


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#93

1,2,4-Trichlorobenzene

Concen: 3.983 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBL01

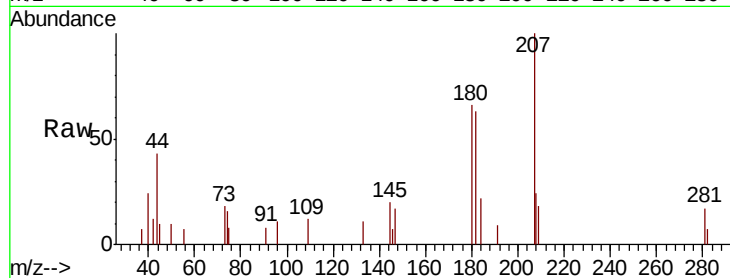
Tgt Ion:180 Resp: 2448

Ion Ratio Lower Upper

180 100

182 103.4 48.2 144.6

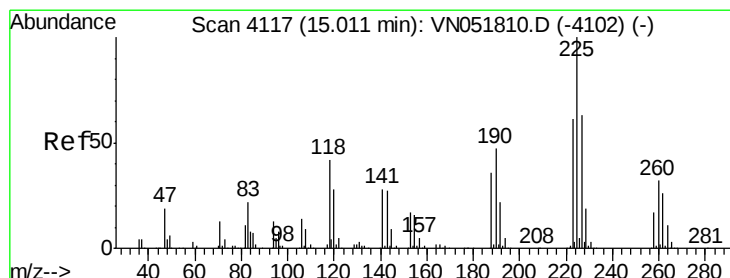
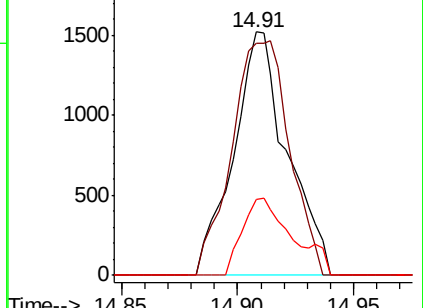
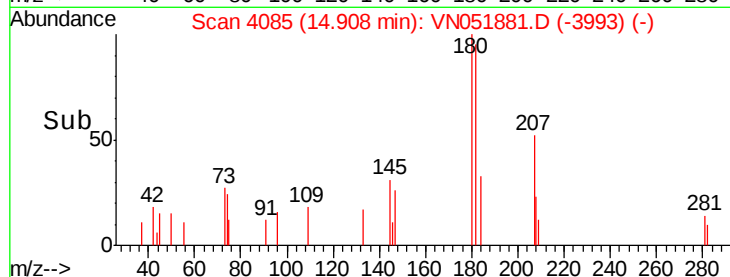
145 29.2 14.1 42.2



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



#94

Hexachlorobutadiene

Concen: 0.563 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

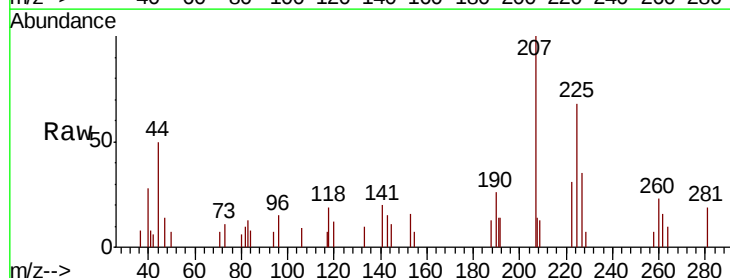
Tgt Ion:225 Resp: 2376

Ion Ratio Lower Upper

225 100

223 58.8 31.3 93.8

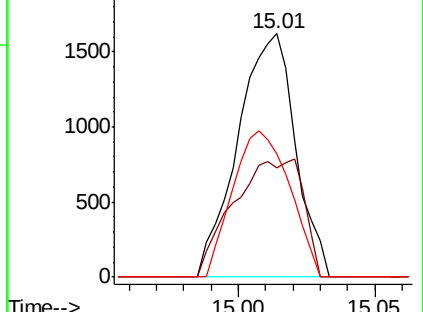
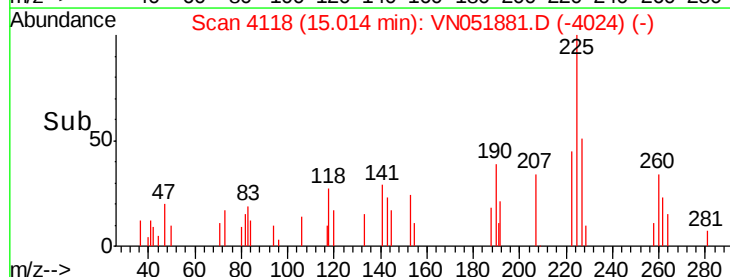
227 59.5 32.0 96.2

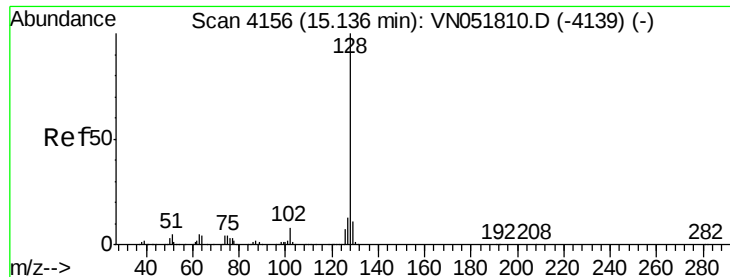


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.776 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBL01

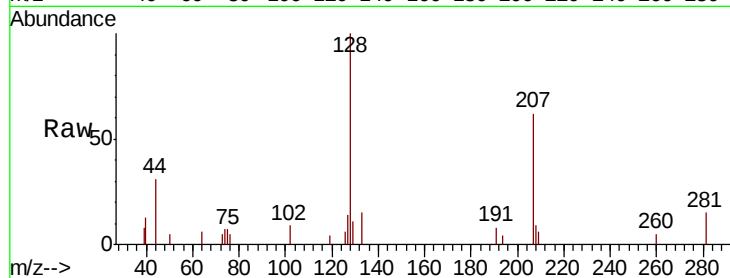
Tgt Ion:128 Resp: 6313

Ion Ratio Lower Upper

128 100

127 14.7 10.5 15.7

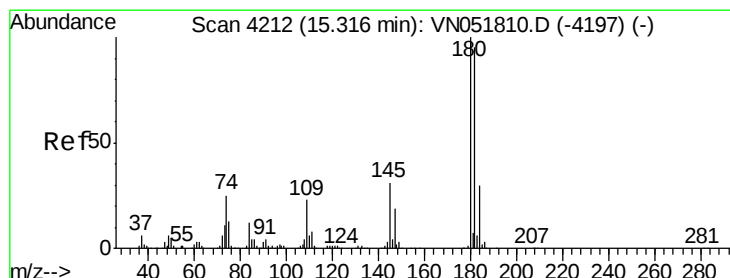
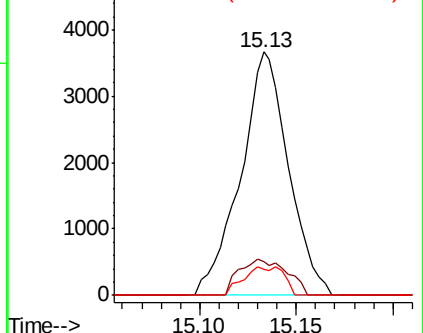
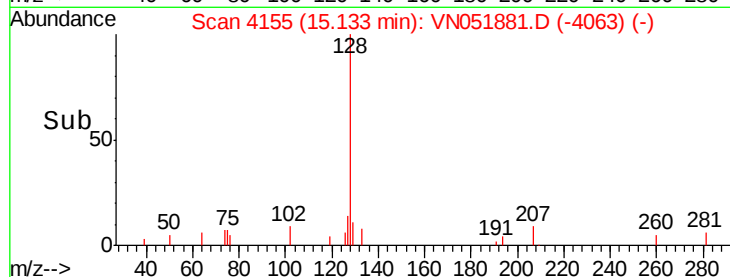
129 9.7 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 3.318 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051881.D

Acq: 16 Oct 2018 9:08

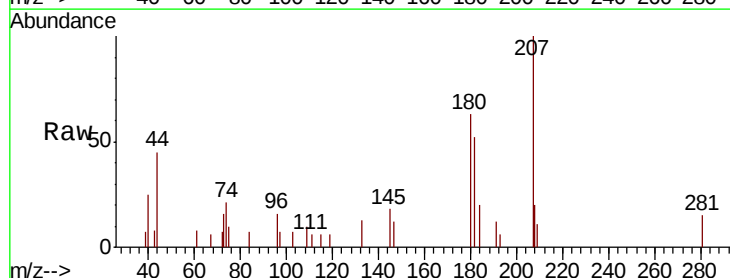
Tgt Ion:180 Resp: 3275

Ion Ratio Lower Upper

180 100

182 87.3 48.0 144.2

145 27.1 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

