

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
 Data File : VN050867.D
 Acq On : 24 Aug 2018 11:11
 Operator : MD\SY
 Sample : VN0824WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBL02

Quant Time: Aug 24 22:50:38 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	623161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	958730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	816442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264088	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	384571	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
35) Dibromofluoromethane	7.59	113	372310	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	10.09	98	1349893	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
62) 4-Bromofluorobenzene	12.40	95	349728	36.91	ug/l	0.00
Spiked Amount			Recovery	=	73.82%	

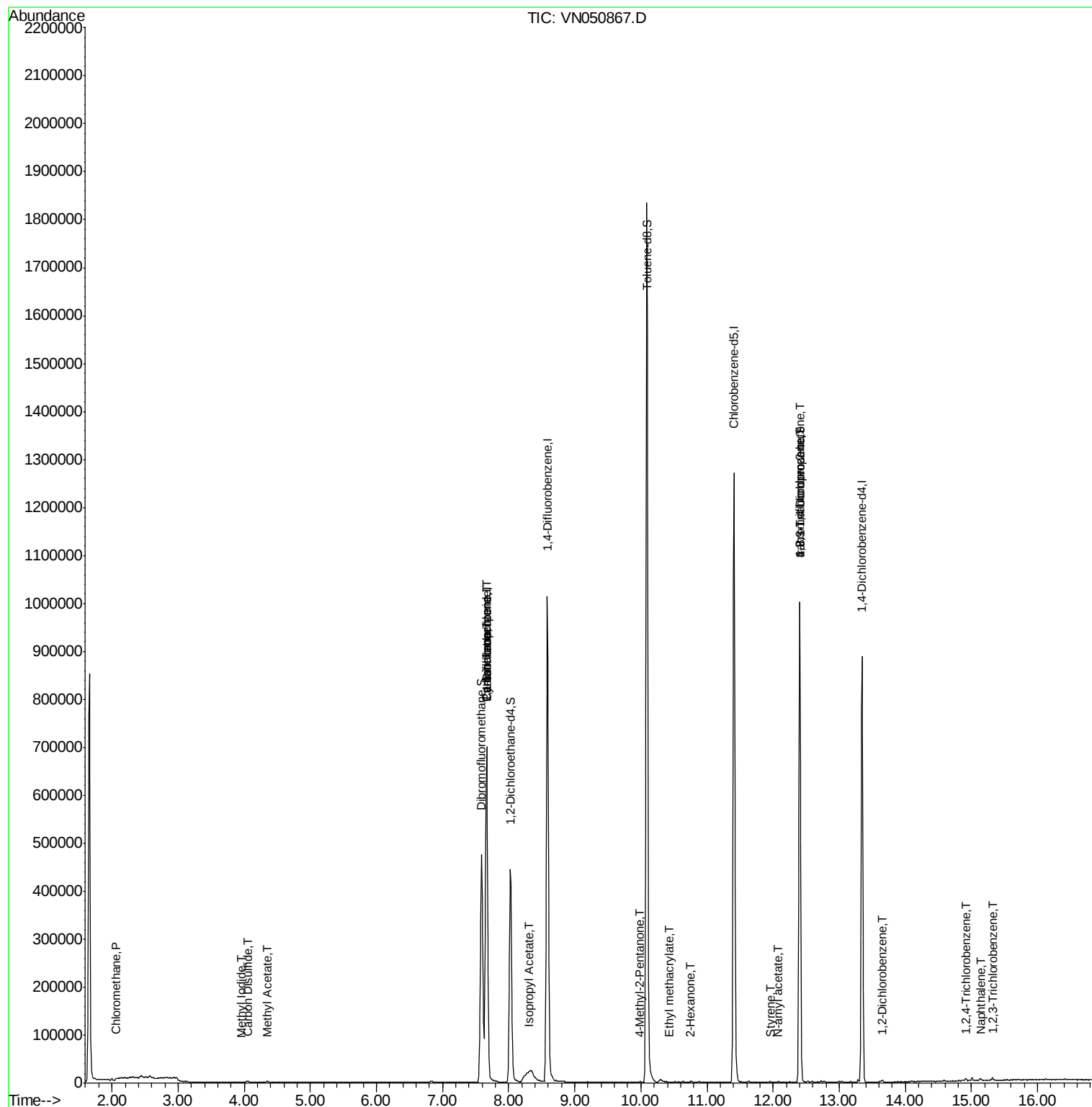
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2198	0.21	ug/l	99
5) Bromomethane	2.57	94	2458	Below	Cal	91
10) Methyl Iodide	3.95	142	404	6.39	ug/l #	43
16) Acetone	3.82	43	1415	Below	Cal	91
17) Carbon Disulfide	4.05	76	6206	0.26	ug/l	96
18) Methyl Acetate	4.34	43	3602	0.51	ug/l #	58
31) Cyclohexane	7.67	56	10771	1.30	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	41321	3.65	ug/l #	43
38) Carbon Tetrachloride	7.67	117	54919	4.80	ug/l #	17
43) Isopropyl Acetate	8.29	43	30330	2.71	ug/l #	58
51) 4-Methyl-2-Pentanone	9.98	43	2127	0.32	ug/l #	70
56) Ethyl methacrylate	10.43	69	66	2.36	ug/l #	1
59) 2-Hexanone	10.76	43	2464	0.56	ug/l	66
70) Styrene	11.96	104	705	1.30	ug/l	90
74) N-amyl acetate	12.08	43	1386	0.25	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.51	83	579	Below	Cal #	69
76) 1,2,3-Trichloropropane	12.40	75	164067	35.47	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	164067	119.91	ug/l #	15
91) 1,2-Dichlorobenzene	13.65	146	2084	0.21	ug/l	92
93) 1,2,4-Trichlorobenzene	14.91	180	1881	4.42	ug/l	96
94) Hexachlorobutadiene	15.01	225	1611	Below	Cal	83
95) Naphthalene	15.14	128	4621	5.79	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.32	180	2342	3.76	ug/l	97

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

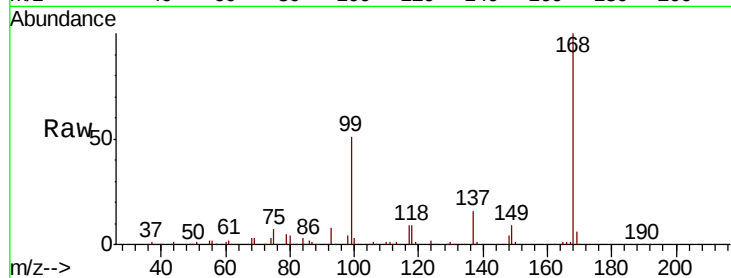
VN0824WBL02

Tot Ion:168 Resp: 623161

Ion Ratio Lower Upper

168 100

99 50.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN050867.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN050867.D (-1797) (-)

7.67

250000

200000

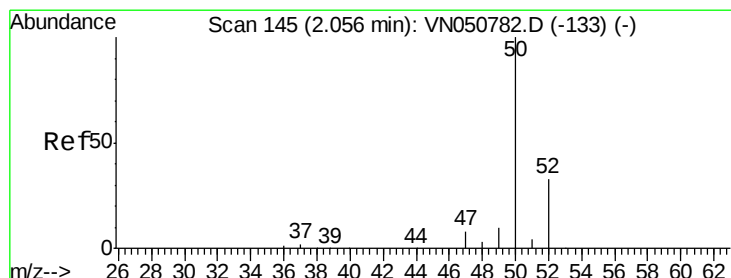
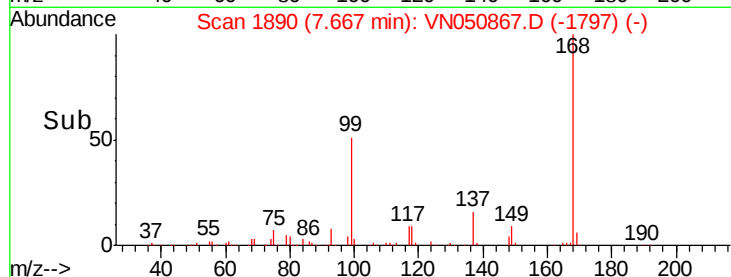
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050867.D

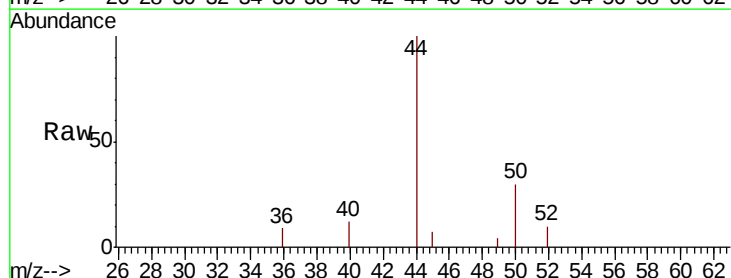
Acq: 24 Aug 2018 11:11

Tgt Ion: 50 Resp: 2198

Ion Ratio Lower Upper

50 100

52 33.6 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN050867.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN050867.D (-52) (-)

2.06

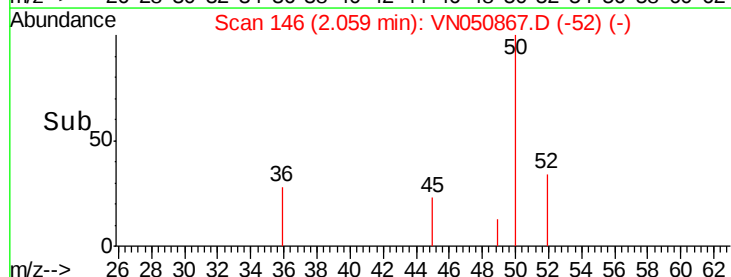
1500

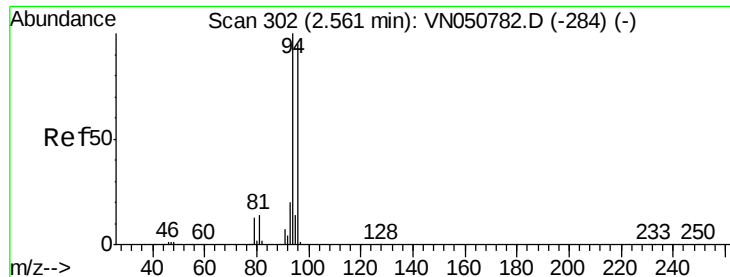
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

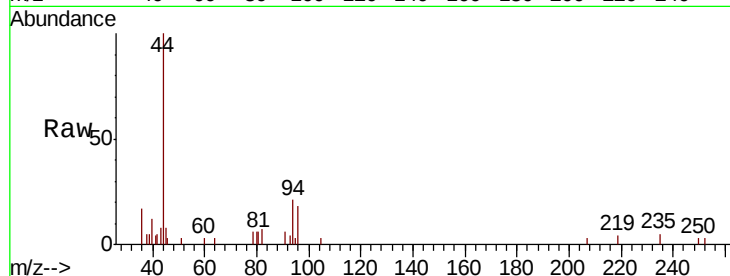
VN0824WBL02

Tot Ion: 94 Resp: 2458

Ion Ratio Lower Upper

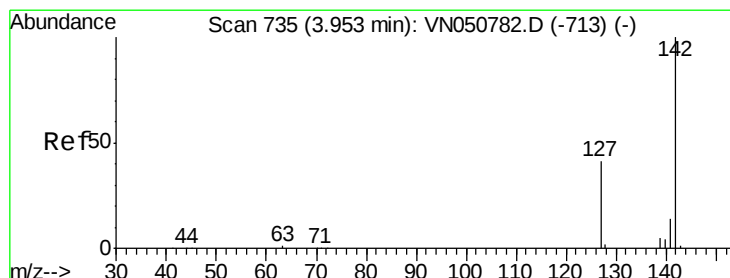
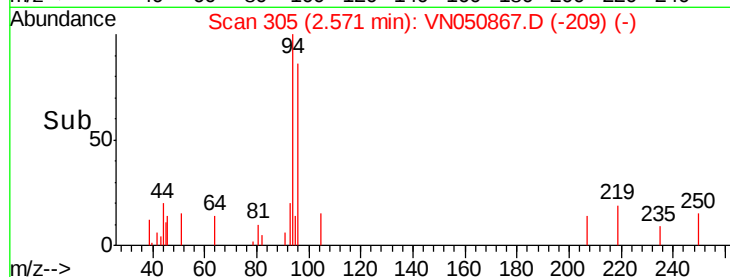
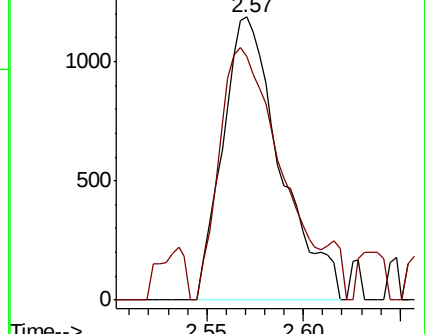
94 100

96 86.0 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050867.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050867.D (-284) (-)



#10

Methyl Iodide

Concen: 6.39 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

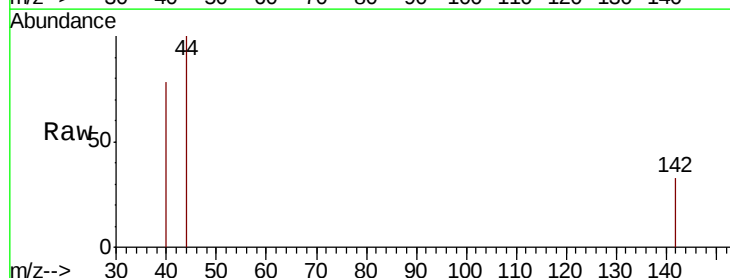
Tgt Ion: 142 Resp: 404

Ion Ratio Lower Upper

142 100

127 0.0 31.7 47.5#

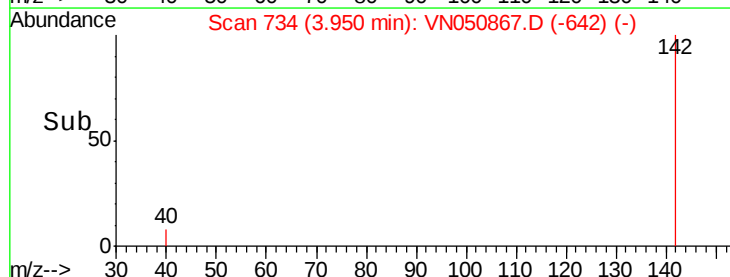
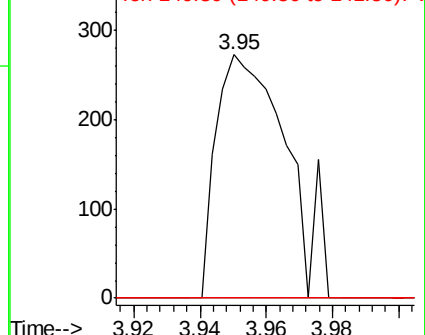
141 0.0 11.4 17.0#

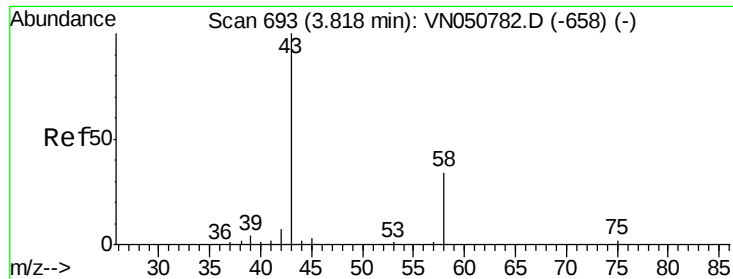


Abundance Ion 141.80 (141.50 to 142.50): VN050867.D (-642) (-)

Ion 126.80 (126.50 to 127.50): VN050867.D (-642) (-)

Ion 140.80 (140.50 to 141.50): VN050867.D (-642) (-)





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

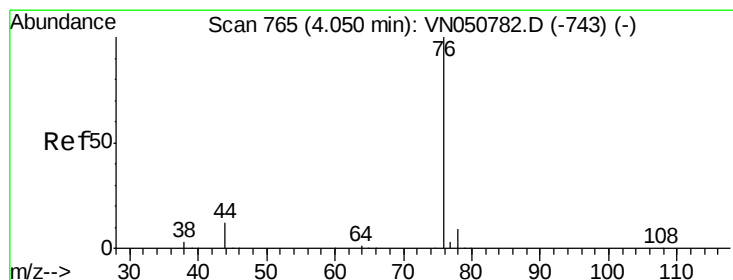
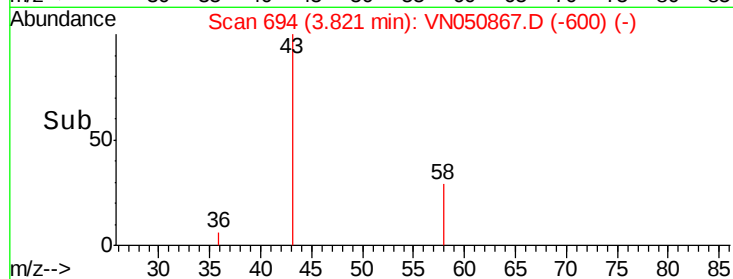
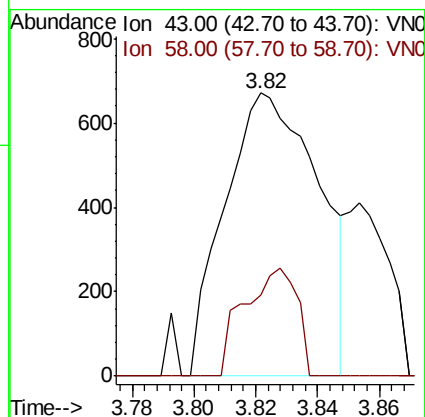
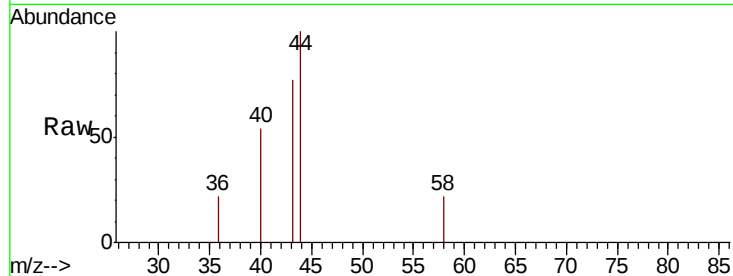
VN0824WBL02

Tot Ion: 43 Resp: 1415

Ion Ratio Lower Upper

43 100

58 28.6 27.2 40.8



#17

Carbon Disulfide

Concen: 0.26 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050867.D

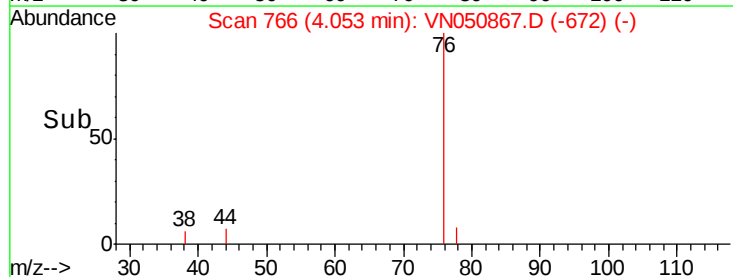
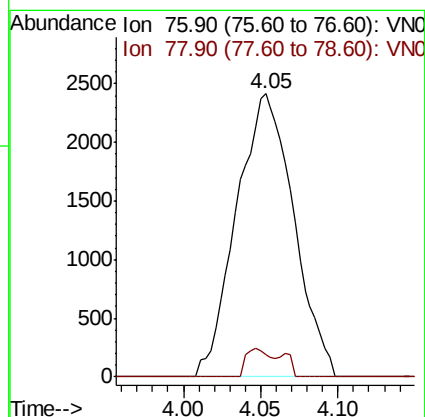
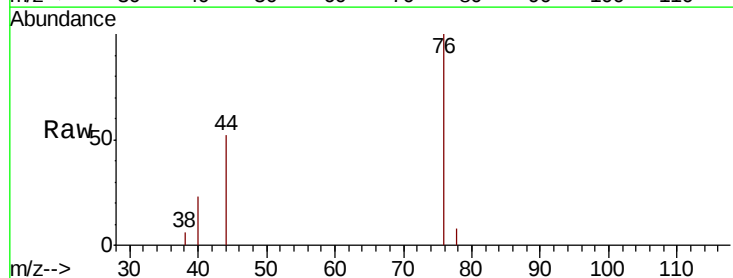
Acq: 24 Aug 2018 11:11

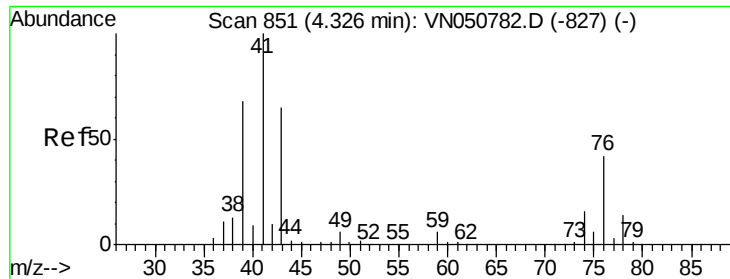
Tgt Ion: 76 Resp: 6206

Ion Ratio Lower Upper

76 100

78 7.7 7.3 10.9

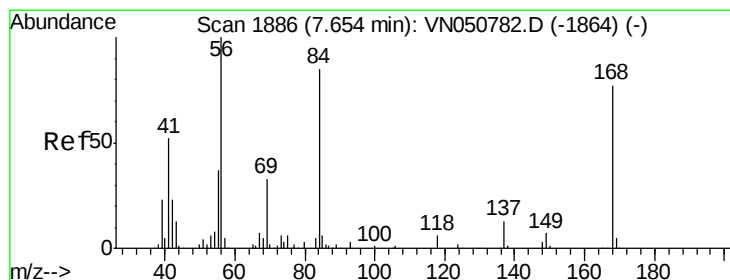
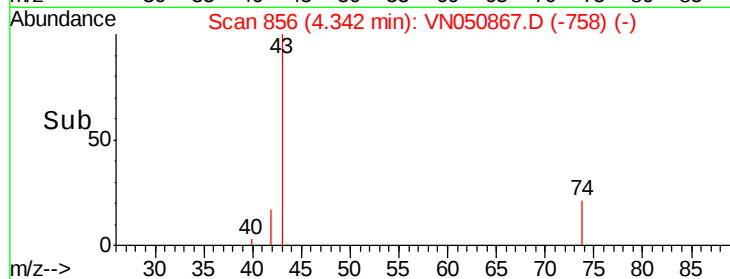
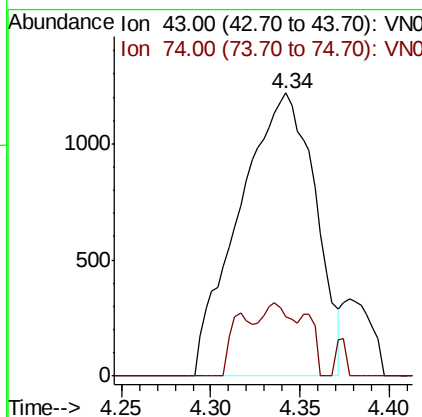
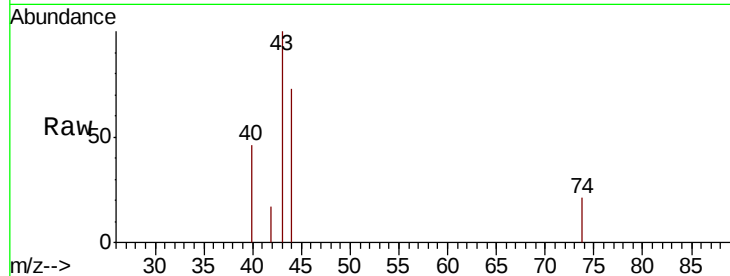




#18
Methyl Acetate
Concen: 0.51 ug/l
RT: 4.34 min Scan# 856
Delta R.T. 0.02 min
Lab File: VN050867.D
Acq: 24 Aug 2018 11:11

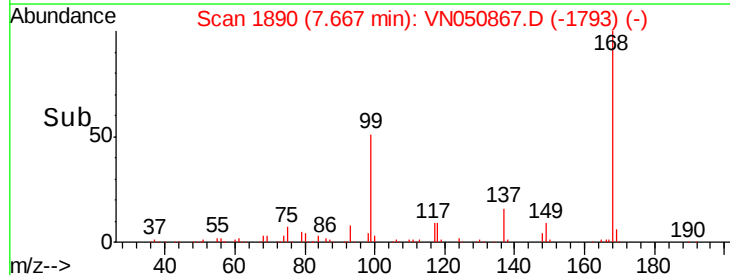
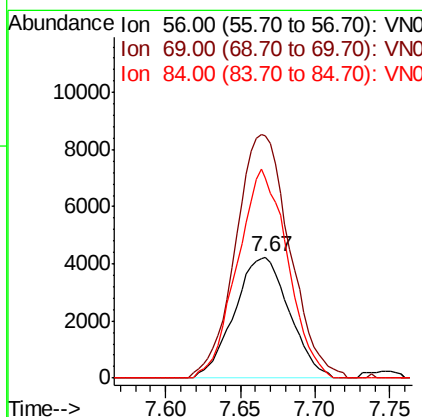
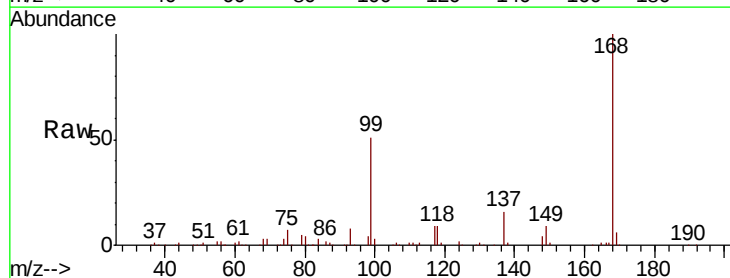
Instrument :
MSVOA_N
ClientSampled :
VN0824WBL02

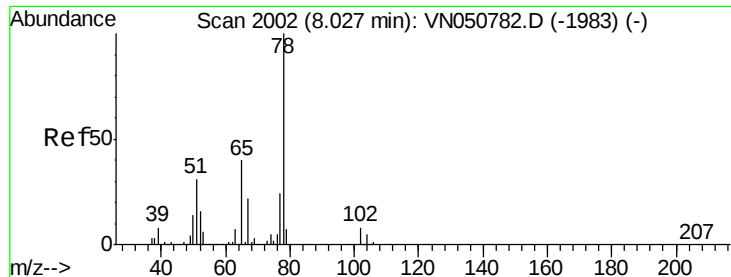
Tot Ion: 43 Resp: 3602
Ion Ratio Lower Upper
43 100
74 3.7 19.8 29.8#



#31
Cyclohexane
Concen: 1.30 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050867.D
Acq: 24 Aug 2018 11:11

Tgt Ion: 56 Resp: 10771
Ion Ratio Lower Upper
56 100
69 200.9 26.2 39.4#
84 165.3 68.3 102.5#

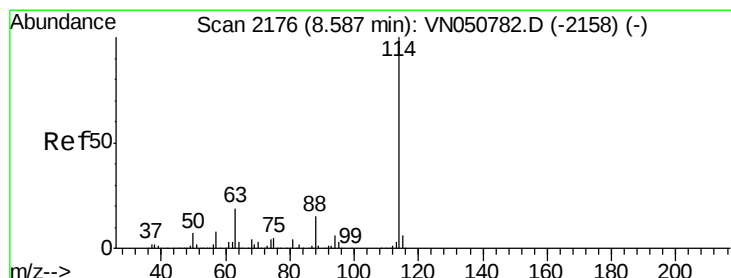
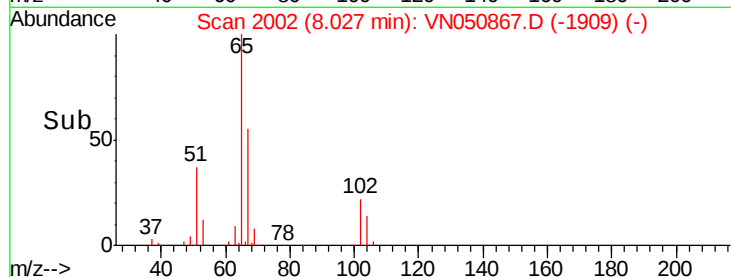
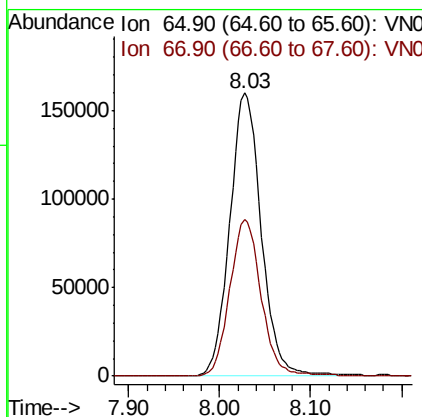
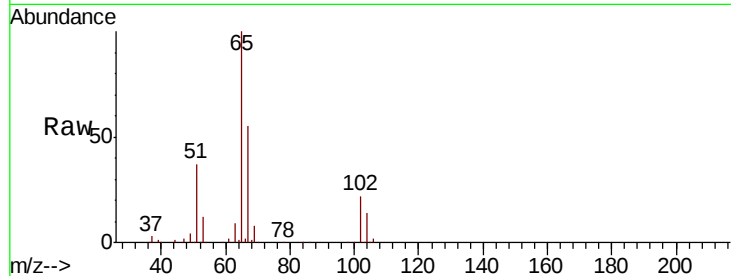




#33
 1,2-Dichloroethane-d4
 Concen: 51.26 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050867.D
 Acq: 24 Aug 2018 11:11

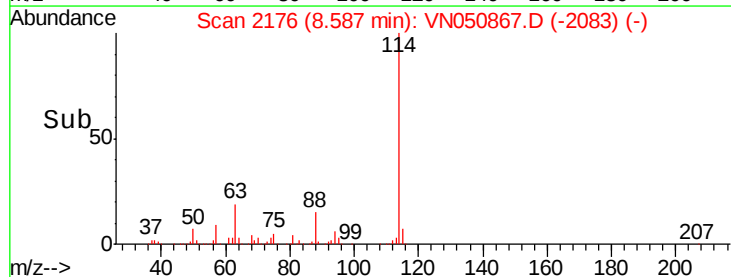
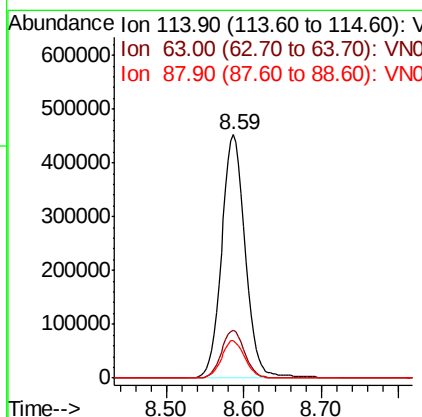
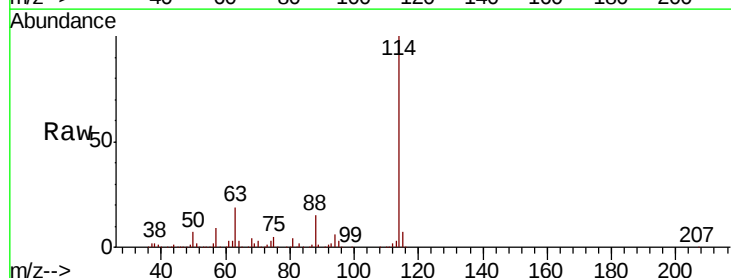
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 VN0824WBL02

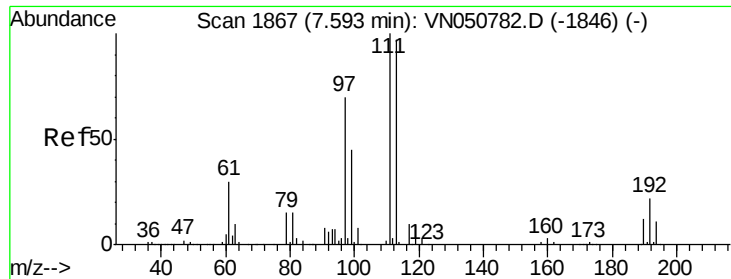
Tot Ion: 65 Resp: 384571
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050867.D
 Acq: 24 Aug 2018 11:11

Tgt Ion: 114 Resp: 958730
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.4 0.0 30.6

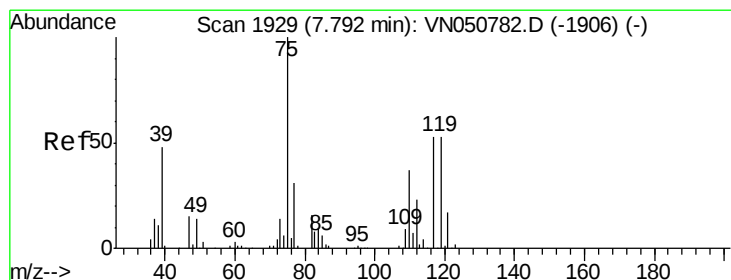
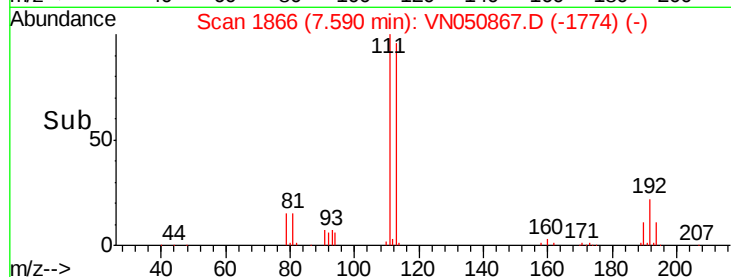
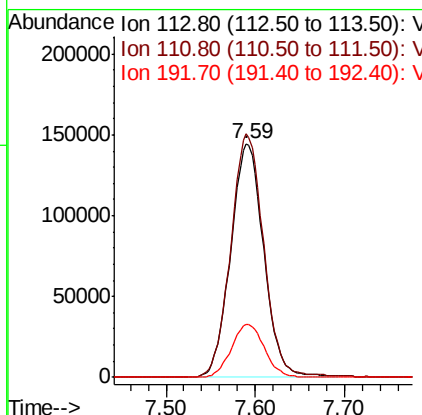
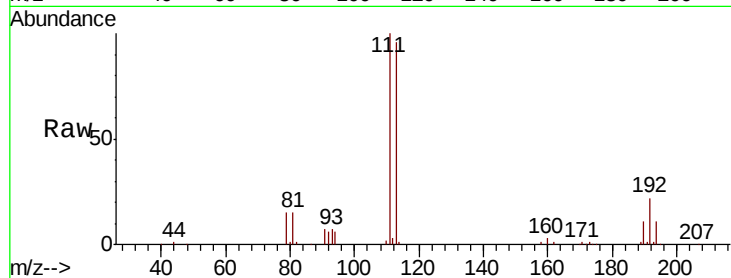




#35
 Dibromofluoromethane
 Concen: 48.81 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050867.D
 Acq: 24 Aug 2018 11:11

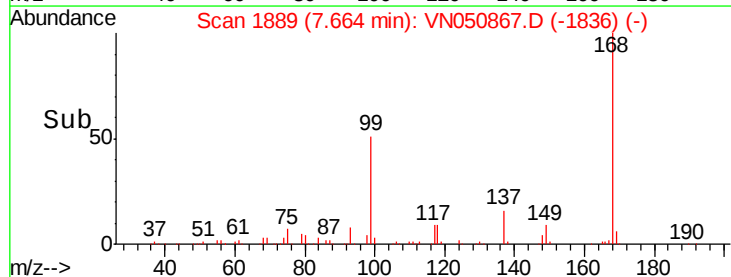
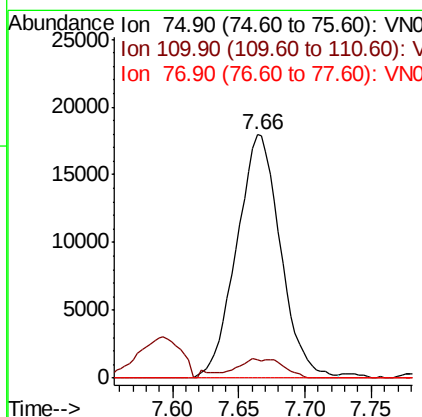
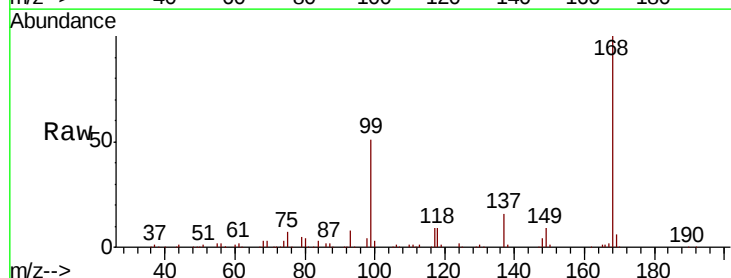
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBL02

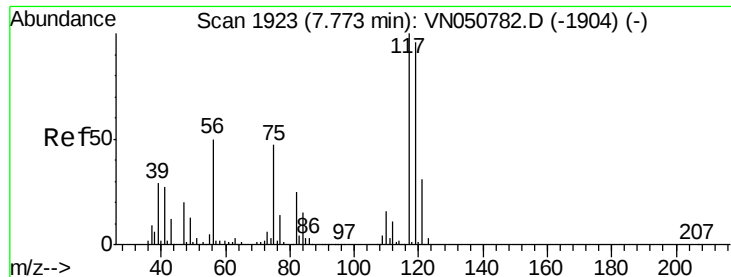
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	123.8
192	22.7	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.65 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN050867.D
 Acq: 24 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.6	18.1	54.4#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 4.80 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBL02

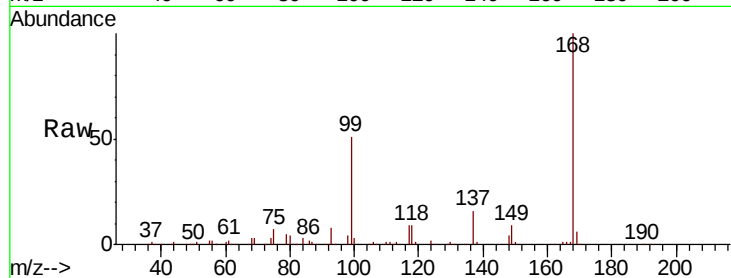
Tot Ion:117 Resp: 54919

Ion Ratio Lower Upper

117 100

119 6.2 76.3 114.5#

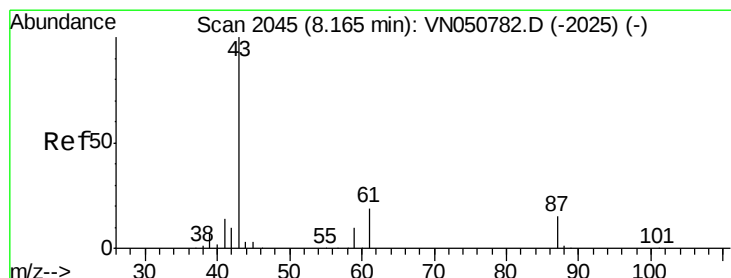
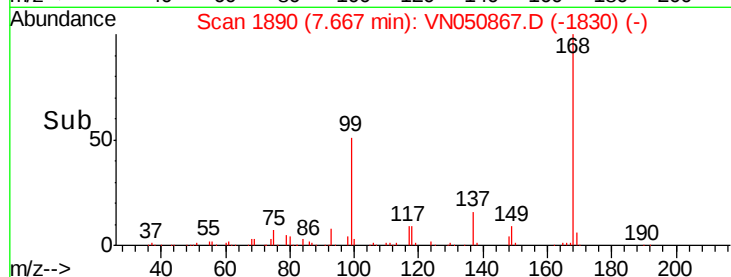
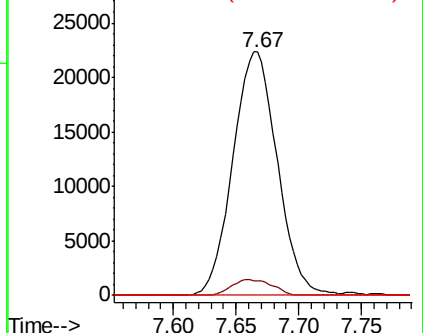
121 0.0 24.6 36.8#



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: 2.71 ug/l

RT: 8.29 min Scan# 2085

Delta R.T. 0.13 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

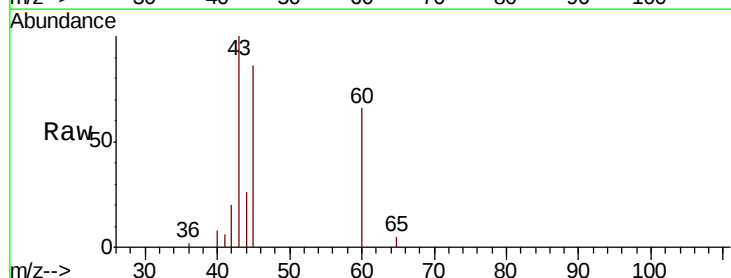
Tgt Ion: 43 Resp: 30330

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

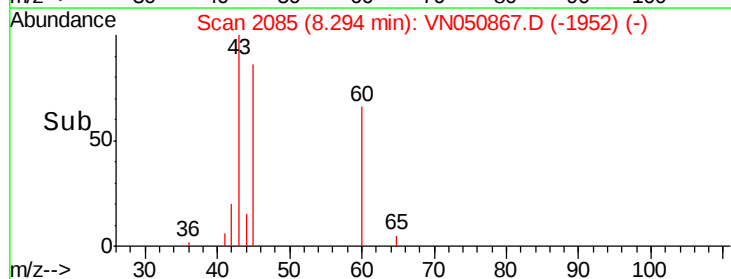
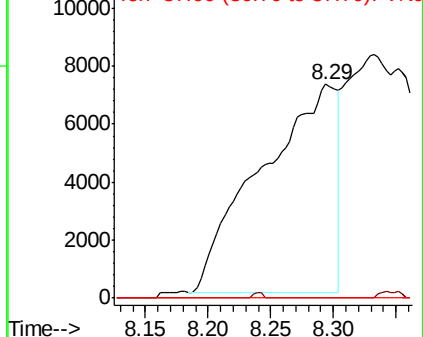
87 0.0 11.3 16.9#

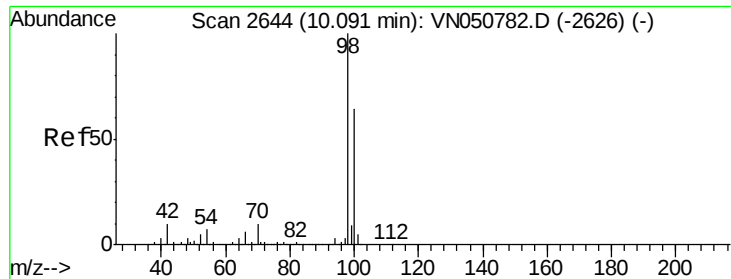


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 47.34 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

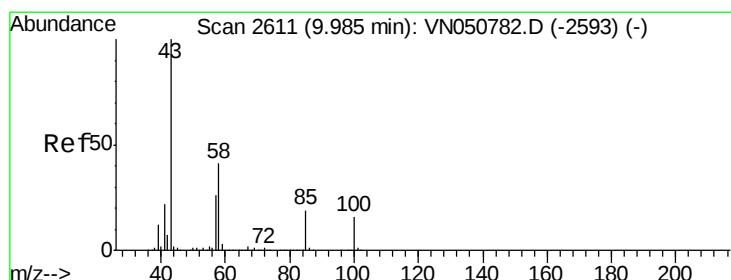
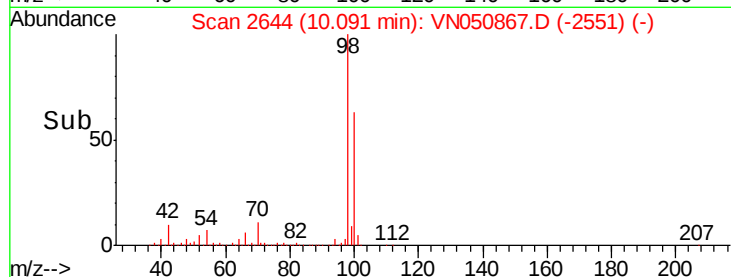
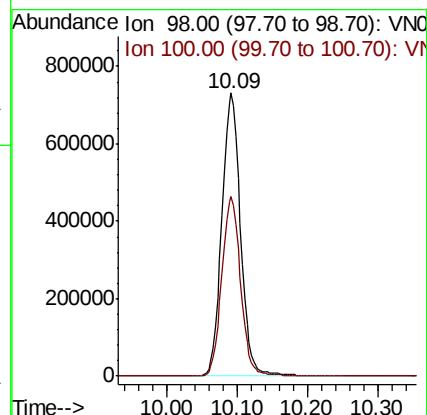
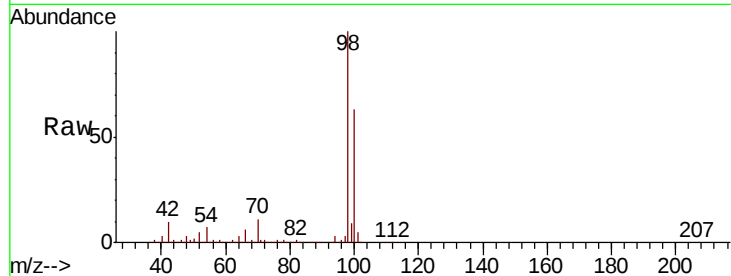
VN0824WBL02

Tot Ion: 98 Resp: 1349893

Ion Ratio Lower Upper

98 100

100 63.8 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 0.32 ug/l

RT: 9.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: VN050867.D

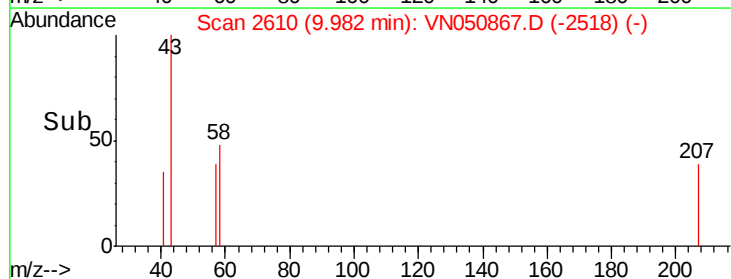
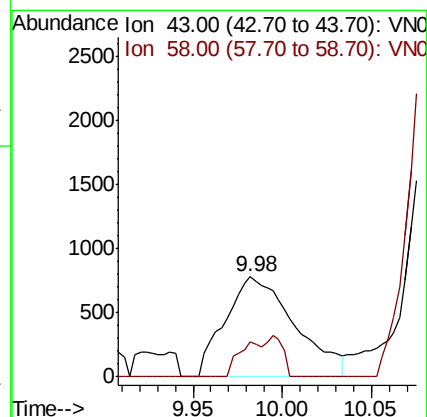
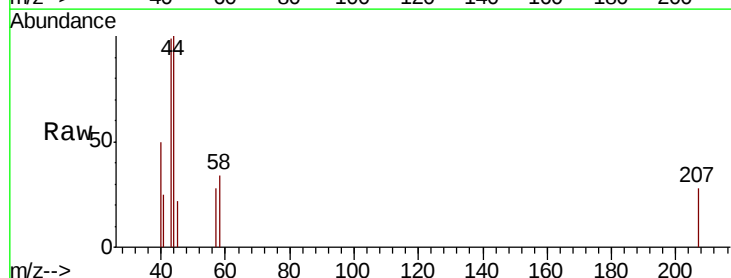
Acq: 24 Aug 2018 11:11

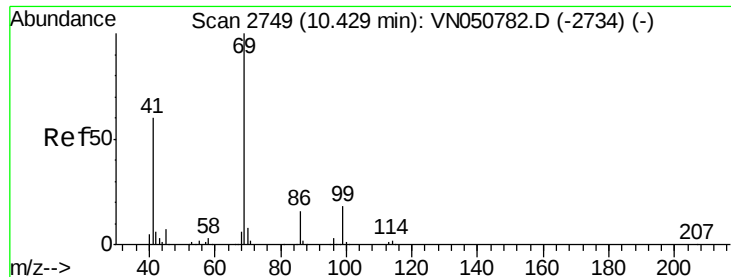
Tgt Ion: 43 Resp: 2127

Ion Ratio Lower Upper

43 100

58 21.8 32.4 48.6#





#56

Ethyl methacrylate

Concen: 2.36 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VN0824WBL02

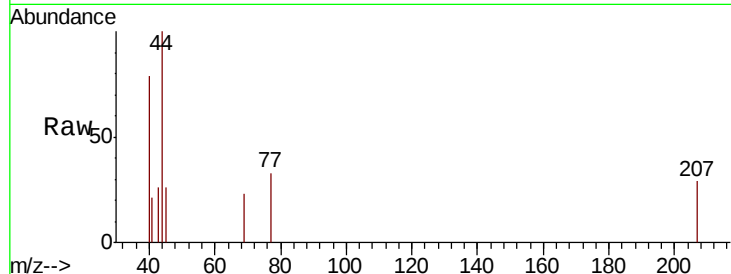
Tot Ion: 69 Resp: 66

Ion Ratio Lower Upper

69 100

41 237.9 48.3 72.5#

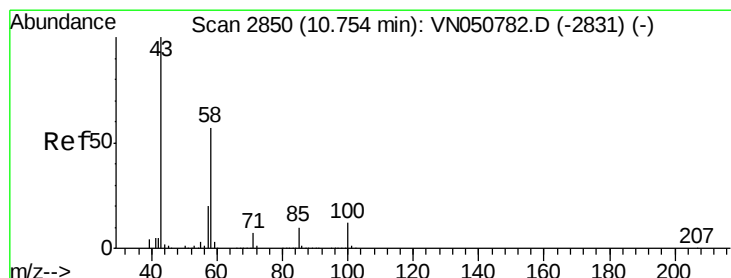
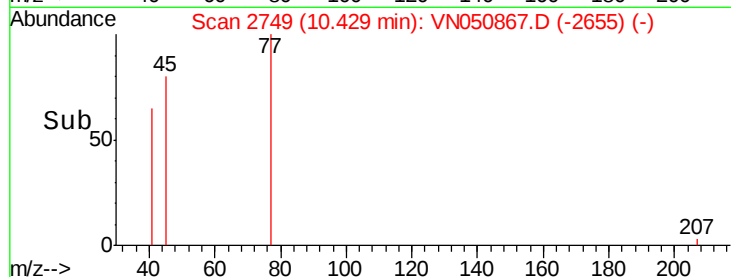
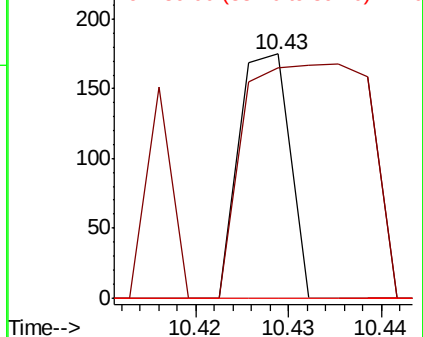
39 0.0 24.0 36.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 0.56 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN050867.D

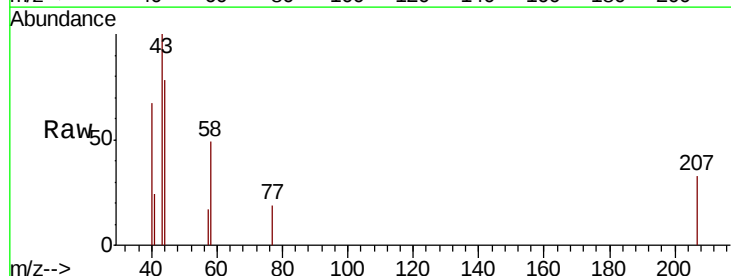
Acq: 24 Aug 2018 11:11

Tgt Ion: 43 Resp: 2464

Ion Ratio Lower Upper

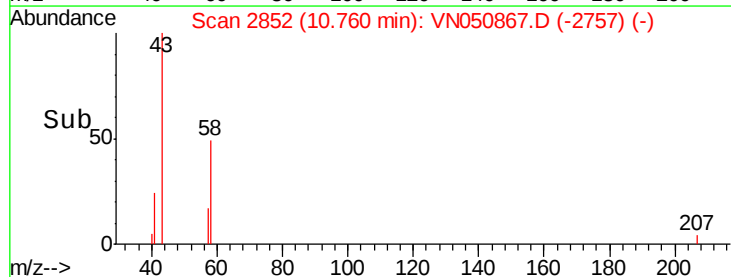
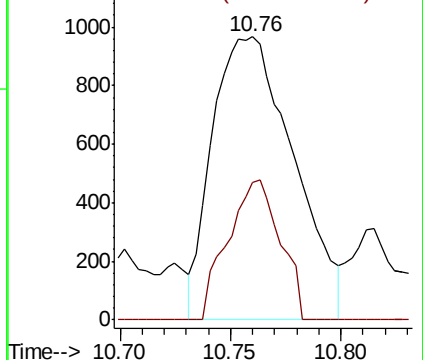
43 100

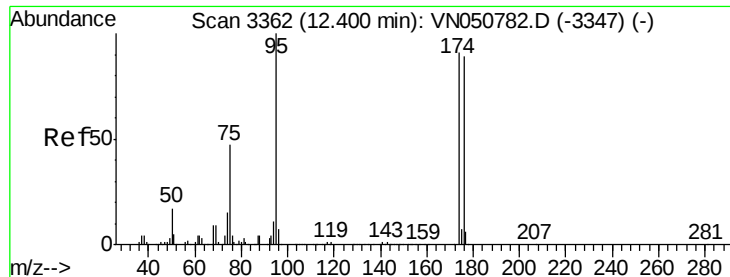
58 31.9 28.3 85.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 36.91 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBL02

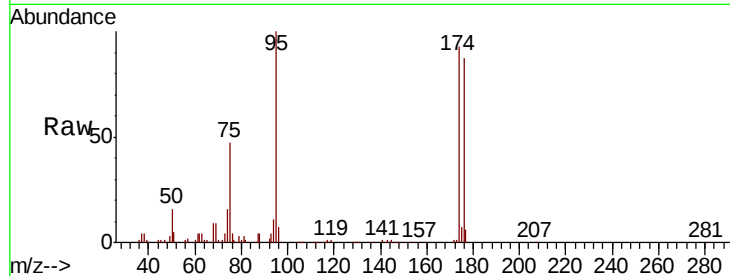
Tot Ion: 95 Resp: 349728

Ion Ratio Lower Upper

95 100

174 93.0 0.0 183.0

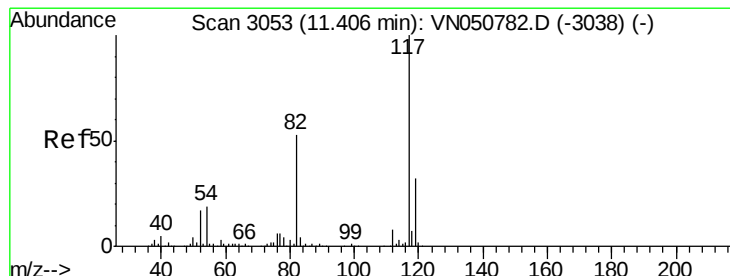
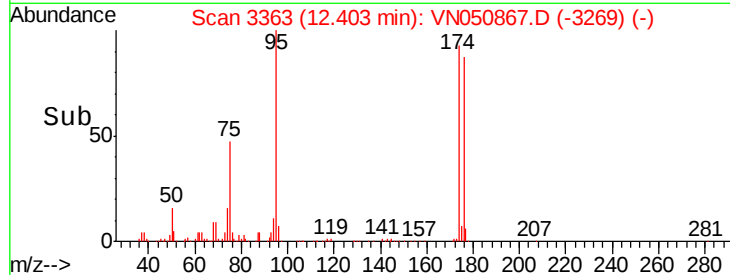
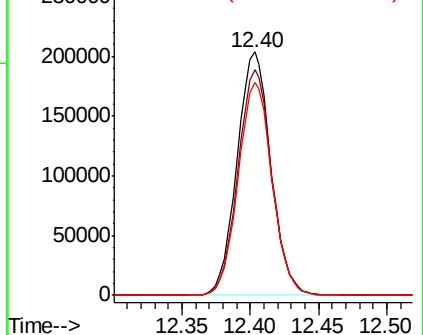
176 88.1 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. 0.00 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

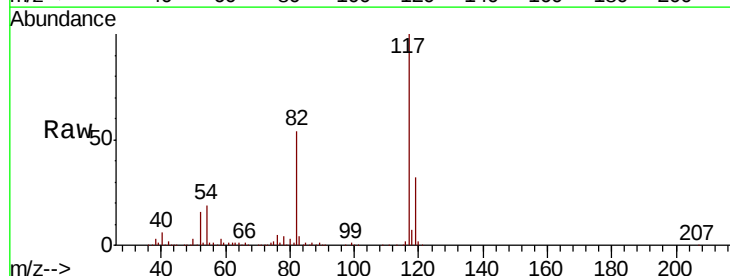
Tgt Ion: 117 Resp: 816442

Ion Ratio Lower Upper

117 100

82 53.6 42.6 64.0

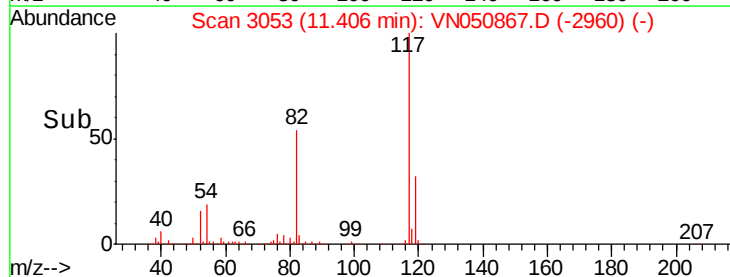
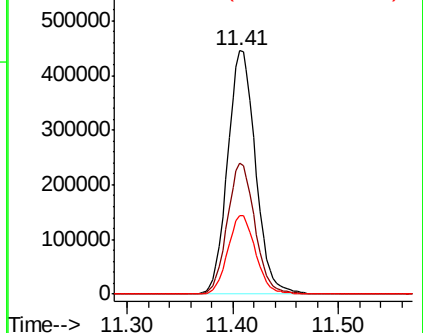
119 32.5 25.8 38.6

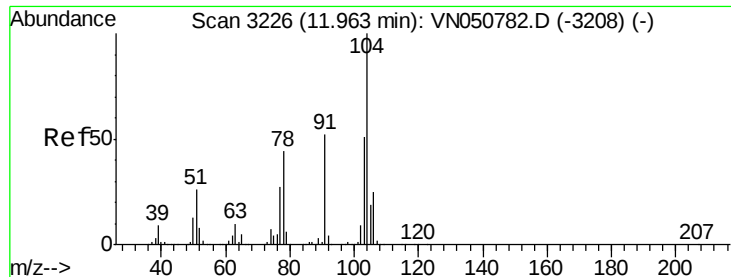


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

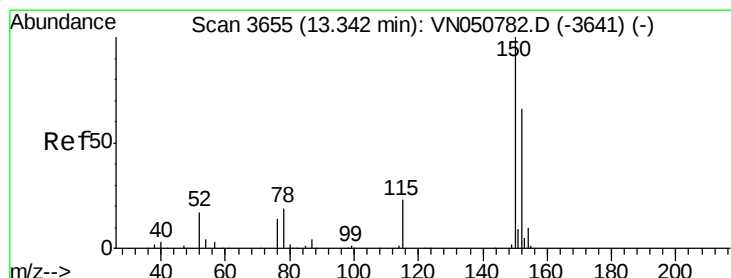
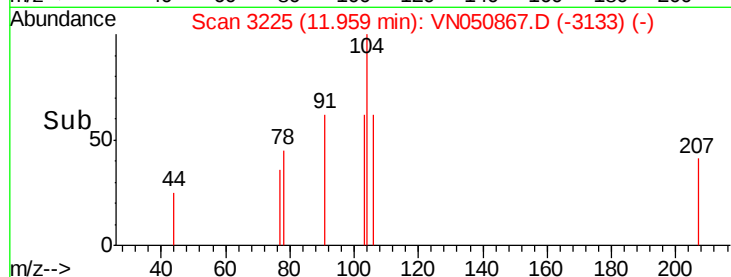
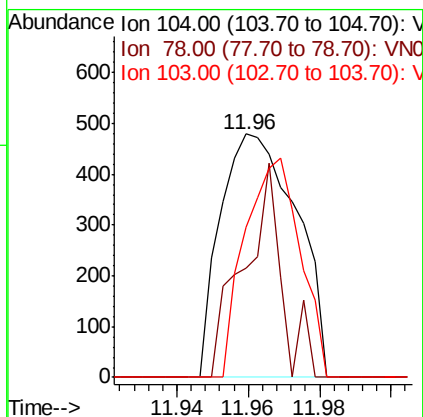
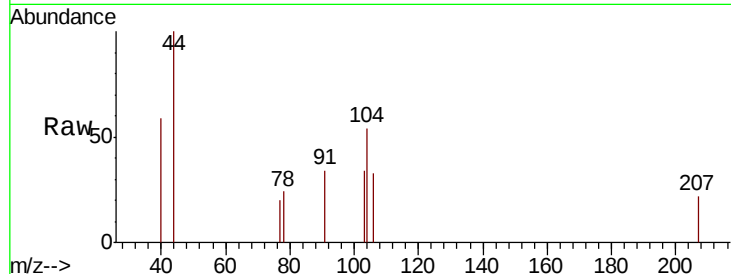




#70
Stvrene
Concen: 1.30 ug/l
RT: 11.96 min Scan# 3225
Delta R.T. -0.00 min
Lab File: VN050867.D
Acq: 24 Aug 2018 11:11

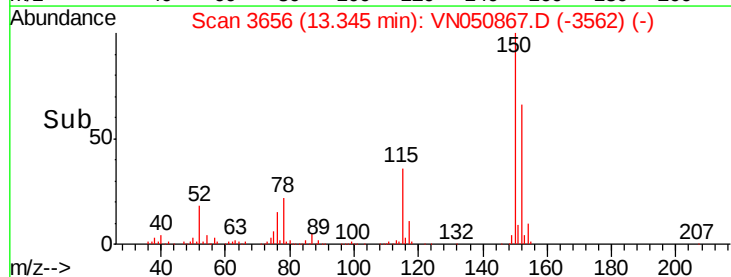
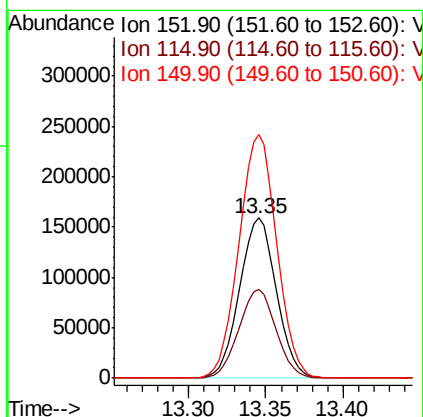
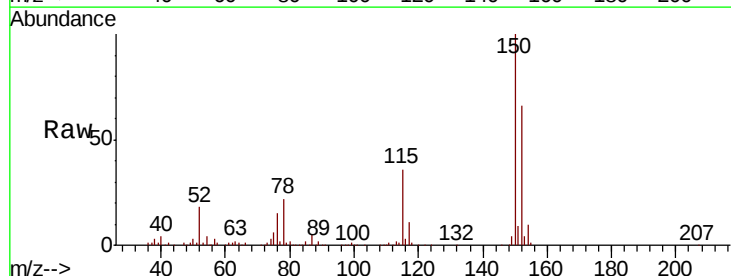
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL02

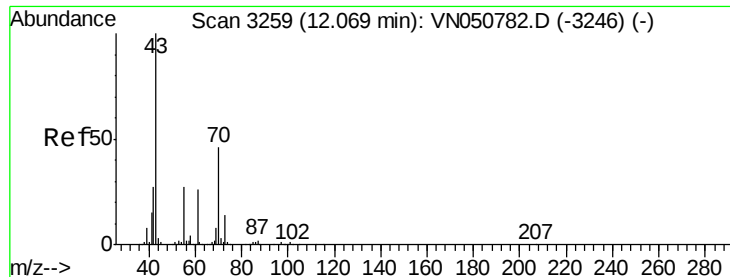
Tot Ion:104 Resp: 705
Ion Ratio Lower Upper
104 100
78 44.0 38.2 57.4
103 65.4 44.4 66.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050867.D
Acq: 24 Aug 2018 11:11

Tgt Ion:152 Resp: 264088
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 155.7 0.0 351.4

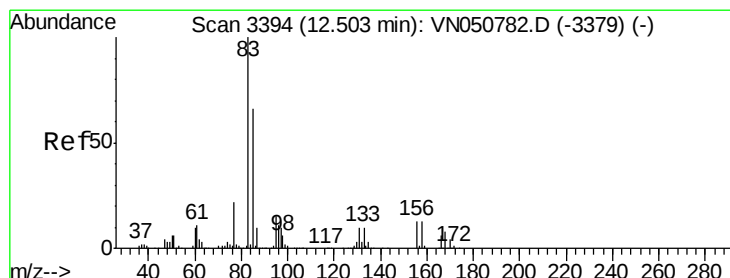
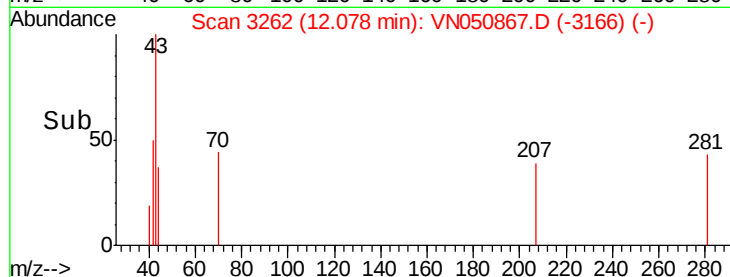
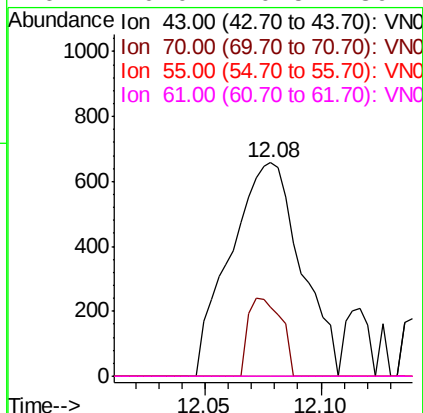
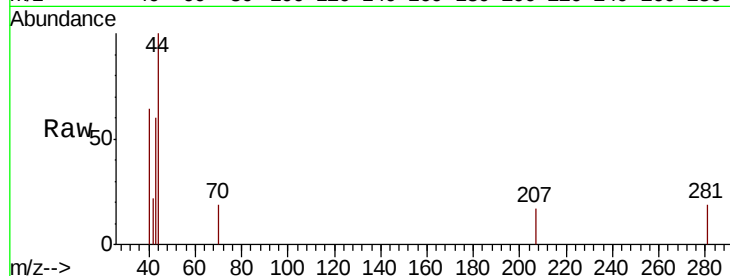




#74
N-amvl acetate
Concen: 0.25 ug/l
RT: 12.08 min Scan# 3262
Delta R.T. 0.01 min
Lab File: VN050867.D
Acq: 24 Aug 2018 11:11

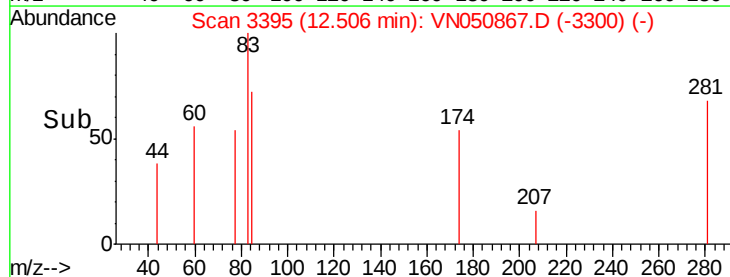
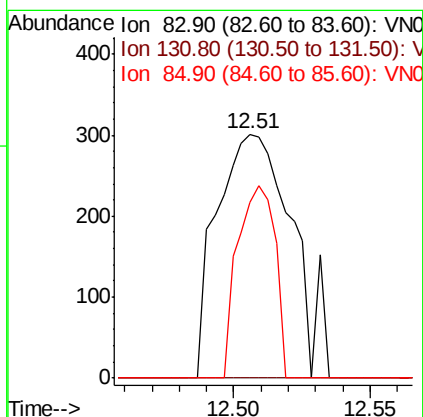
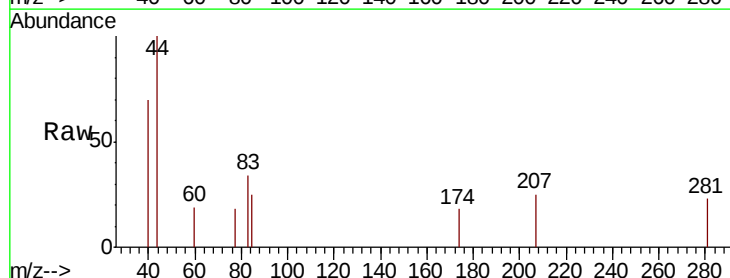
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL02

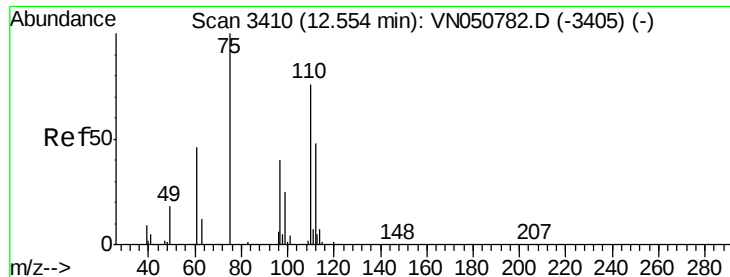
Tot Ion: 43 Resp: 1386
Ion Ratio Lower Upper
43 100
70 17.1 36.2 54.2#
55 0.0 21.8 32.8#
61 0.0 20.5 30.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.51 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VN050867.D
Acq: 24 Aug 2018 11:11

Tgt Ion: 83 Resp: 579
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 39.0 31.9 95.7





#76

1,2,3-Trichloropropane

Concen: 35.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

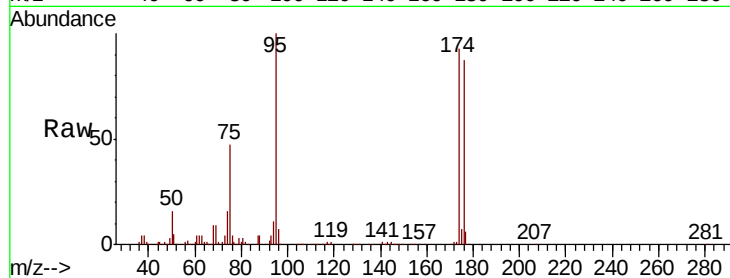
VN0824WBL02

Tot Ion: 75 Resp: 164067

Ion Ratio Lower Upper

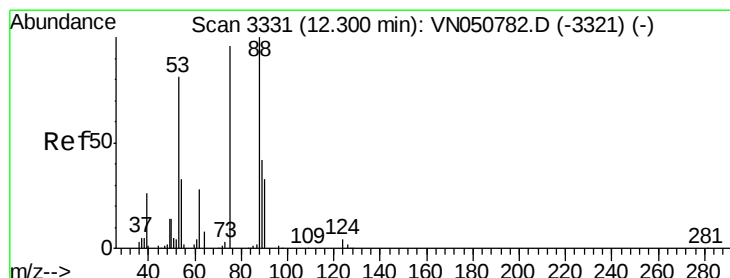
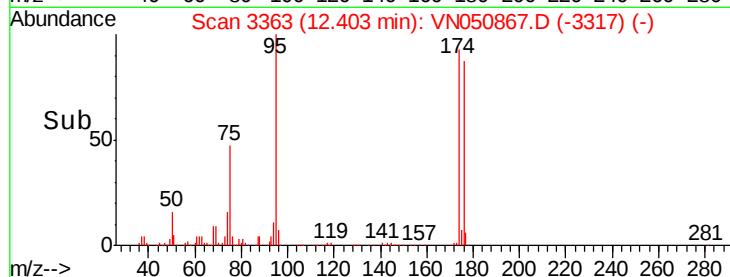
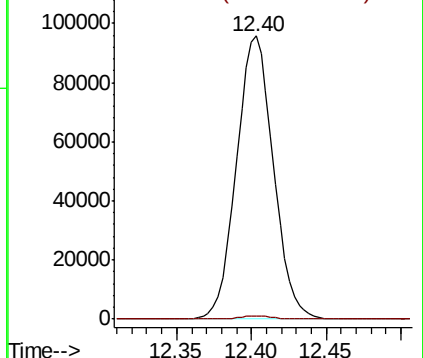
75 100

77 1.0 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: 119.91 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

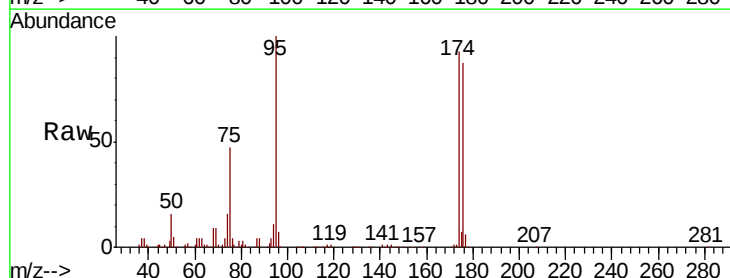
Tgt Ion: 75 Resp: 164067

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

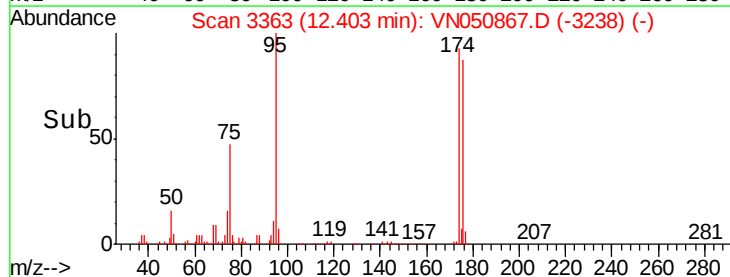
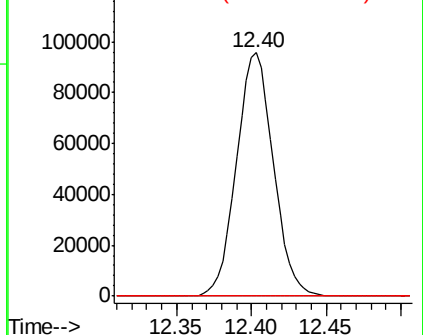
89 0.0 36.1 54.1#

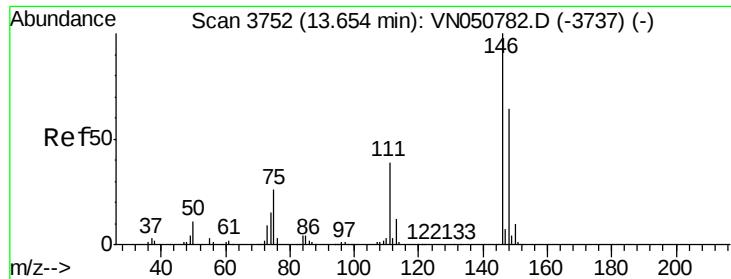


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

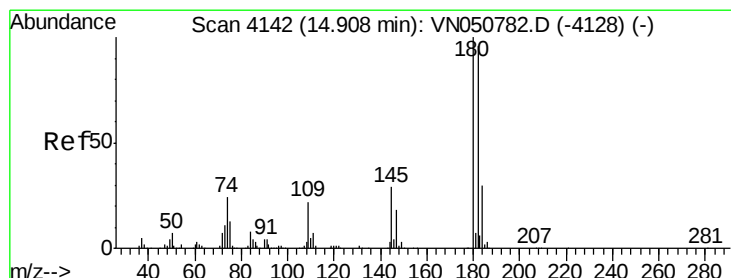
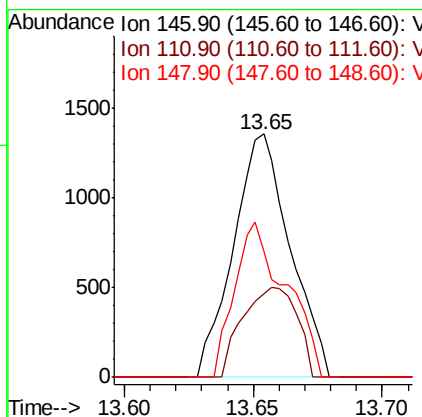
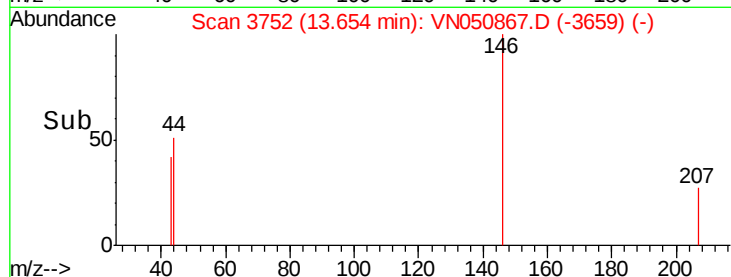
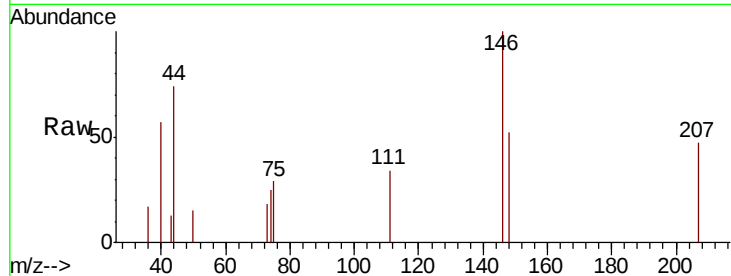




#91
 1,2-Dichlorobenzene
 Concen: 0.21 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050867.D
 Acq: 24 Aug 2018 11:11

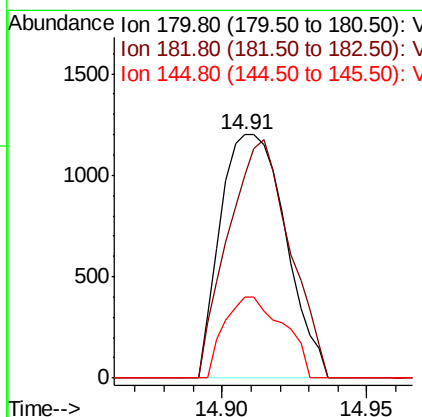
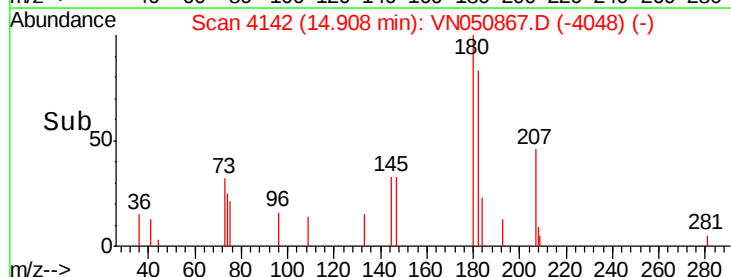
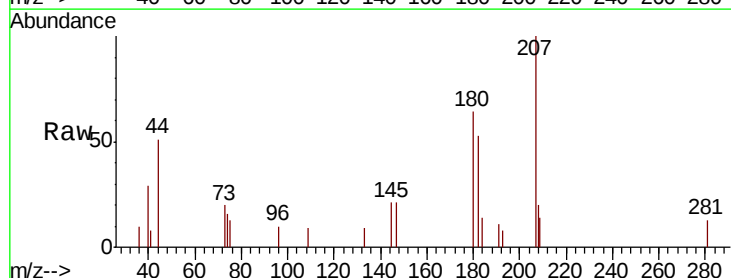
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBL02

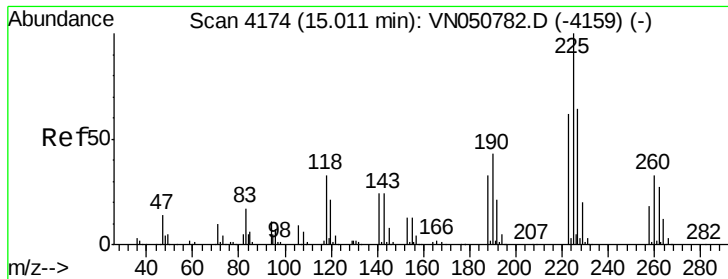
Tot Ion:146 Resp: 2084
 Ion Ratio Lower Upper
 146 100
 111 35.4 19.8 59.3
 148 57.5 32.3 96.8



#93
 1,2,4-Trichlorobenzene
 Concen: 4.42 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050867.D
 Acq: 24 Aug 2018 11:11

Tgt Ion:180 Resp: 1881
 Ion Ratio Lower Upper
 180 100
 182 92.2 48.2 144.6
 145 30.0 14.1 42.2

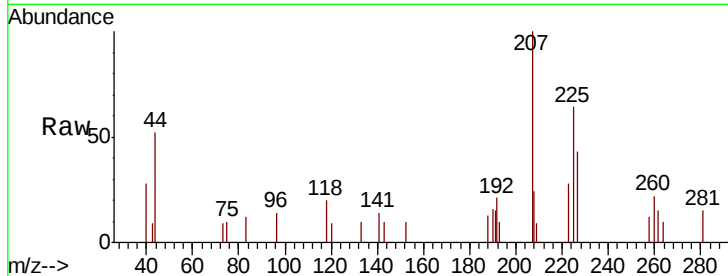




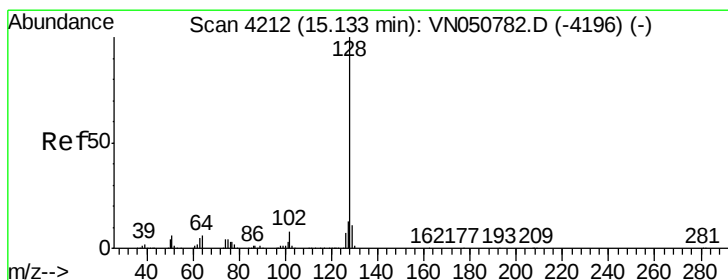
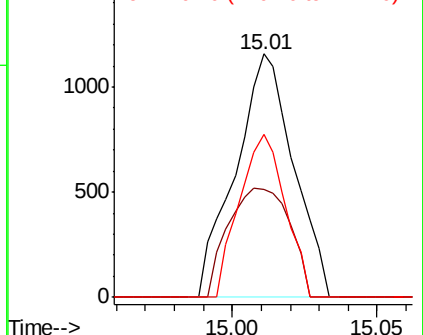
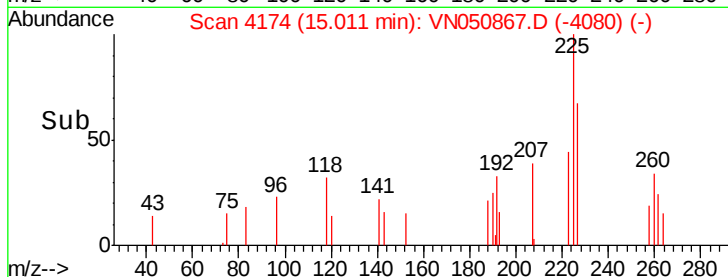
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4174
Delta R.T. 0.00 min
Lab File: VN050867.D
Acq: 24 Aug 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBL02

Tot Ion	Ratio	Lower	Upper
225	100		
223	47.3	31.3	93.8
227	52.6	32.0	96.2

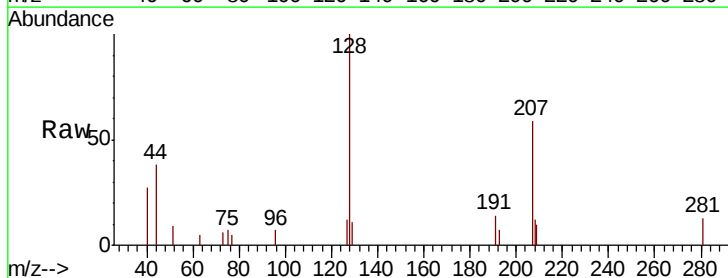


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

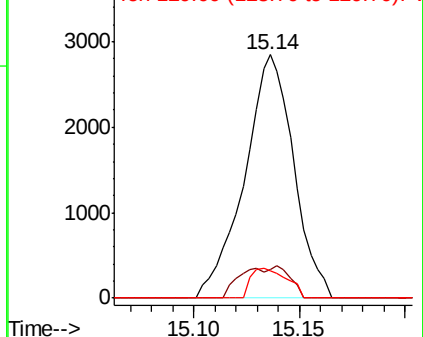
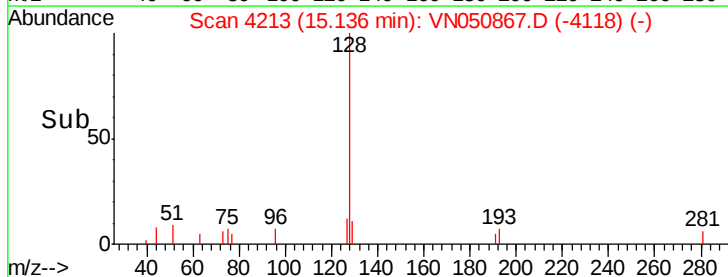


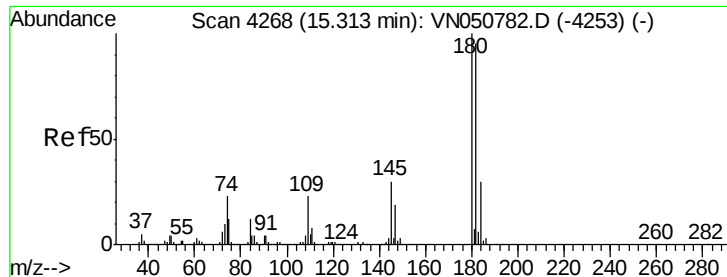
#95
Naphthalene
Concen: 5.79 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050867.D
Acq: 24 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.9	10.5	15.7#
129	8.9	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: 3.76 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050867.D

Acq: 24 Aug 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBL02

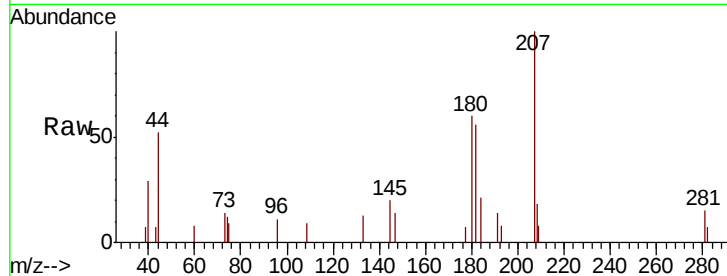
Tot Ion:180 Resp: 2342

Ion Ratio Lower Upper

180 100

182 96.9 48.0 144.2

145 24.8 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

