

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050417.D
 Acq On : 7 Aug 2018 5:56
 Operator : MD\SY
 Sample : J4283-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-080318

Quant Time: Aug 07 07:16:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	629350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1034531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	902368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	396960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	440355	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
35) Dibromofluoromethane	7.59	113	399403	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	10.09	98	1424006	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
62) 4-Bromofluorobenzene	12.40	95	423866	39.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.70%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	3848	Below Cal		100
5) Bromomethane	2.57	94	4686	1.23	ug/l	90
10) Methyl Iodide	3.95	142	791	0.25	ug/l #	80
13) Acrolein	3.61	56	102	15.14	ug/l #	50
14) Allyl chloride	4.55	41	46704	4.27	ug/l #	24
16) Acetone	3.83	43	16410	6.19	ug/l	97
18) Methyl Acetate	4.33	43	13550	1.89	ug/l #	67
20) Methylene Chloride	4.55	84	1344910	179.38	ug/l	99
25) 2-Butanone	6.85	43	3037	0.73	ug/l #	88
28) Bromochloromethane	7.20	49	3673	0.58	ug/l #	62
29) Tetrahydrofuran	7.22	42	585	0.26	ug/l #	32
30) Chloroform	7.37	83	25525	1.86	ug/l	99
31) Cyclohexane	7.67	56	11866	0.36	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43465	3.82	ug/l #	48
38) Carbon Tetrachloride	7.67	117	57670	4.86	ug/l #	17
43) Isopropyl Acetate	8.17	43	267810	18.95	ug/l	99
47) Bromodichloromethane	9.40	83	7123	0.61	ug/l	94
48) Methyl methacrylate	9.18	41	9013	1.27	ug/l #	16
52) Toluene	10.16	92	21404	1.02	ug/l	96
56) Ethyl methacrylate	10.64	69	773	1.77	ug/l #	1
59) 2-Hexanone	10.77	43	19799	2.79	ug/l #	58
64) Tetrachloroethene	10.64	164	2063	0.24	ug/l	98
67) Ethyl Benzene	11.51	91	38631	1.06	ug/l	97
68) m/p-Xylenes	11.62	106	32954	2.37	ug/l	99
69) o-Xylene	11.95	106	13642	1.02	ug/l	95
70) Styrene	11.97	104	15628	0.72	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	203182	28.28	ug/l #	100
78) n-propylbenzene	12.59	91	12736	0.38	ug/l	96
79) 2-Chlorotoluene	12.66	91	10424	0.50	ug/l #	48
80) 1,3,5-Trimethylbenzene	12.73	105	26294	1.09	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	203182	99.35	ug/l #	13
83) tert-Butylbenzene	13.04	119	12657	0.60	ug/l #	58
84) 1,2,4-Trimethylbenzene	13.04	105	91495	3.73	ug/l	100
90) Hexachloroethane	13.89	117	4855	1.13	ug/l #	4

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Response via : Initial Calibration

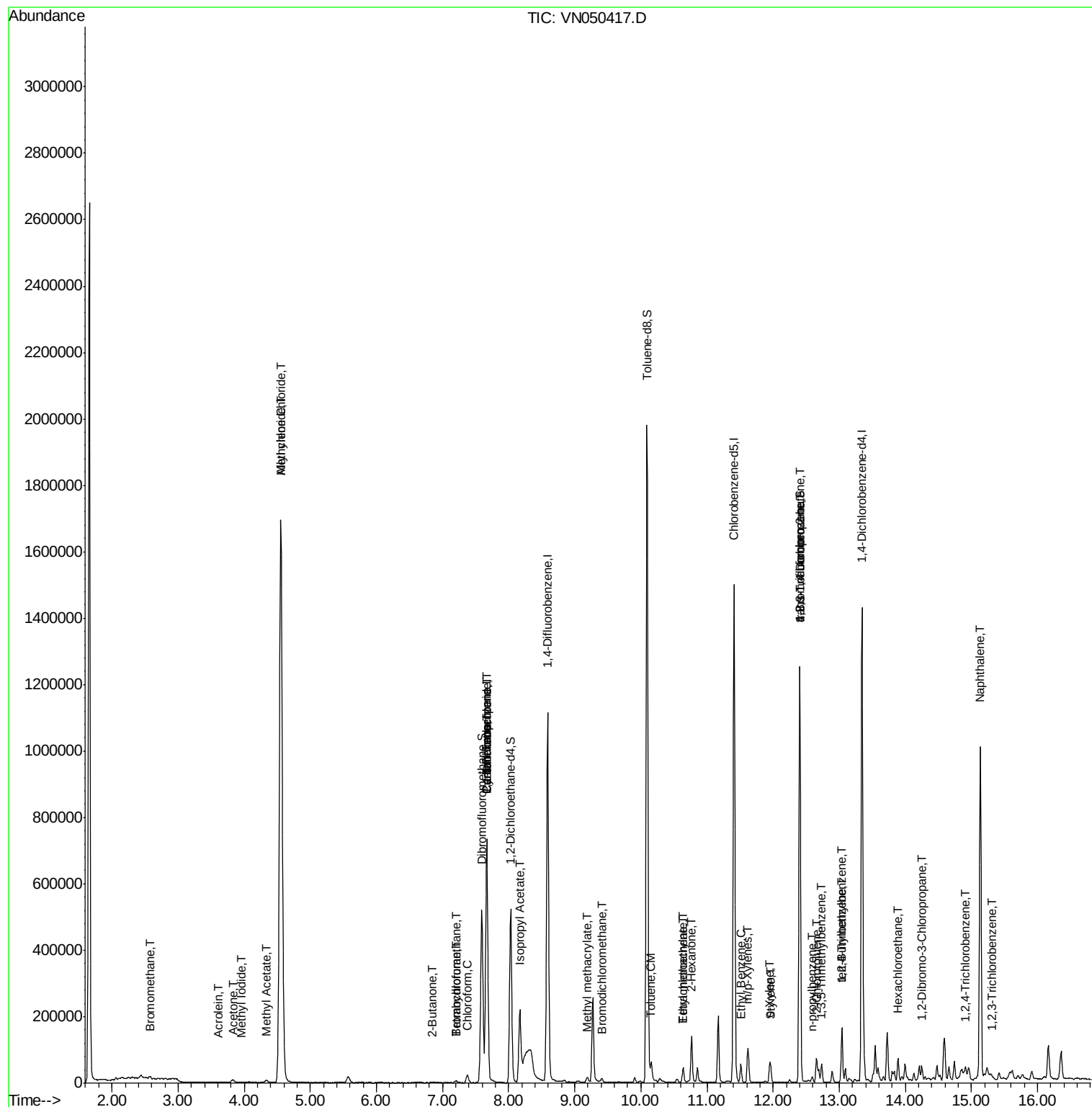
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.25	75	316	0.22	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	11316	1.56	ug/l #	83
95) Naphthalene	15.14	128	891801	46.66	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1764	0.24	ug/l #	80

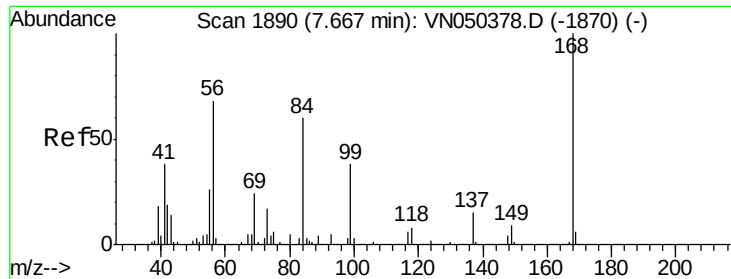
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

Instrument :

MSVOA_N

ClientSampleId :

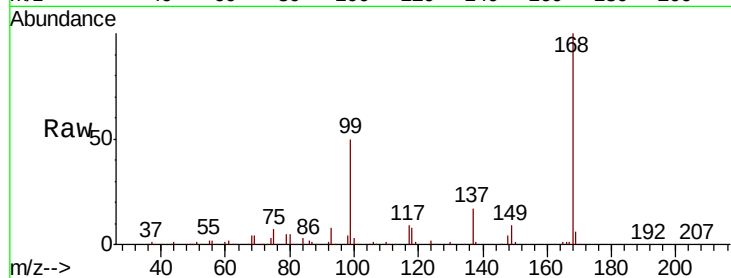
TR-04-080318

Tot Ion:168 Resp: 629350

Ion Ratio Lower Upper

168 100

99 50.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)

7.67

250000

200000

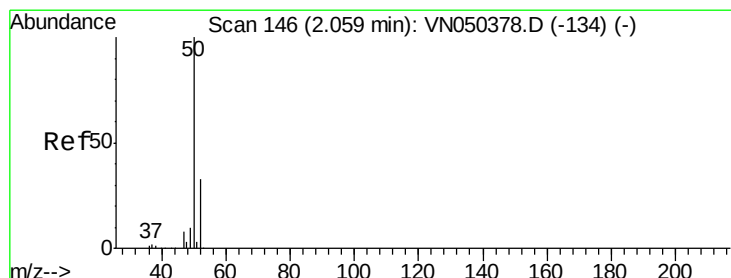
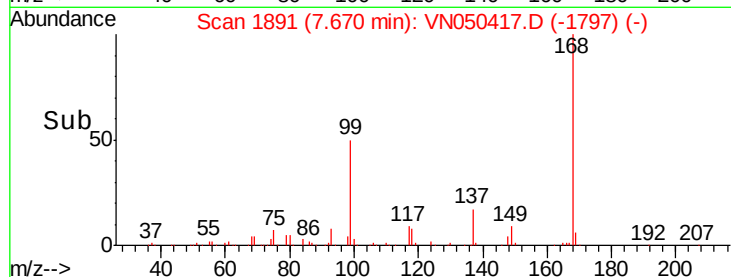
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050417.D

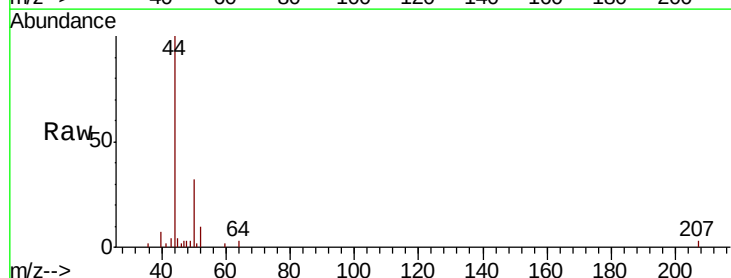
Acq: 7 Aug 2018 5:56

Tgt Ion: 50 Resp: 3848

Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050378.D (-134) (-)

Ion 51.90 (51.60 to 52.60): VN050378.D (-134) (-)

2.06

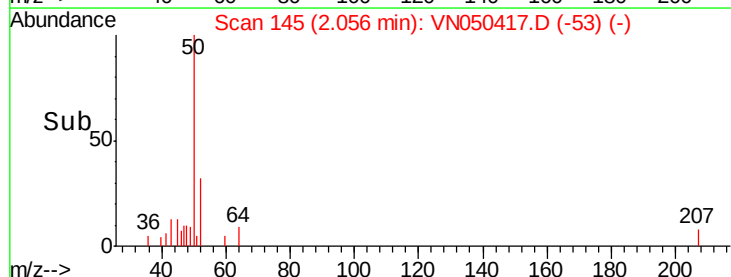
3000

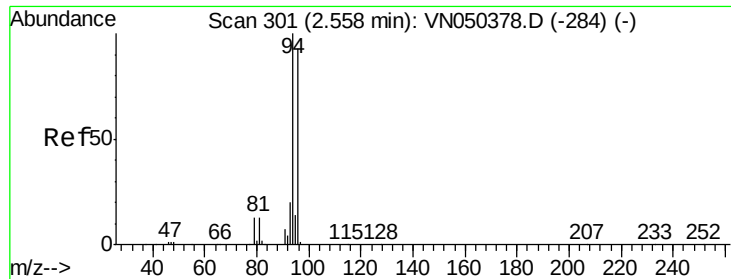
2000

1000

0

Time-->





#5

Bromomethane

Concen: 1.23 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

Instrument :

MSVOA_N

ClientSampleId :

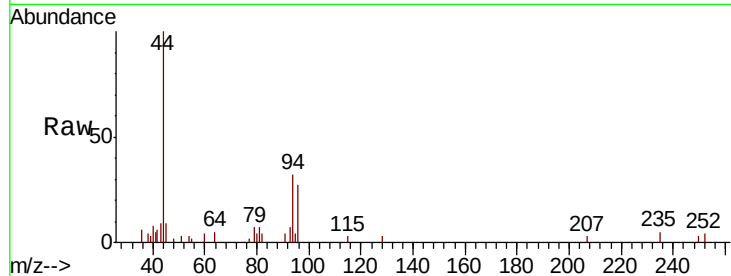
TR-04-080318

Tot Ion: 94 Resp: 4686

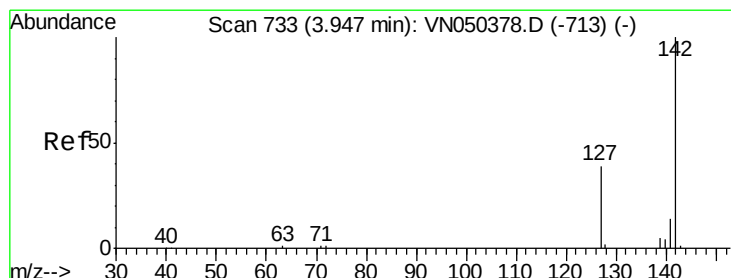
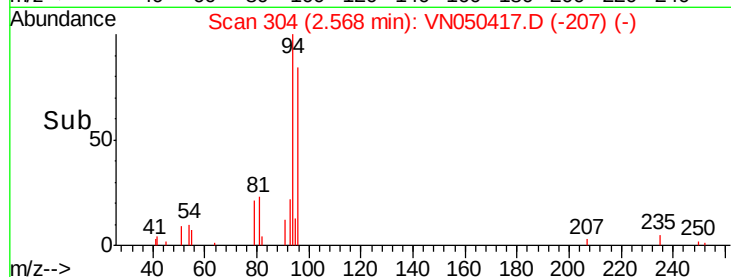
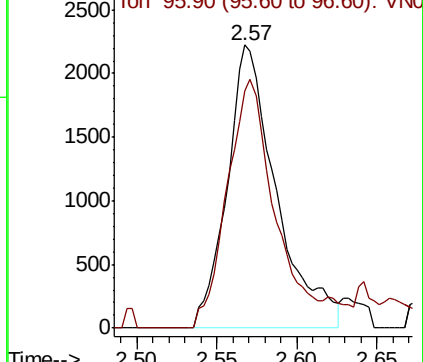
Ion Ratio Lower Upper

94 100

96 83.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050417.D (-207) (-)



#10

Methyl Iodide

Concen: 0.25 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

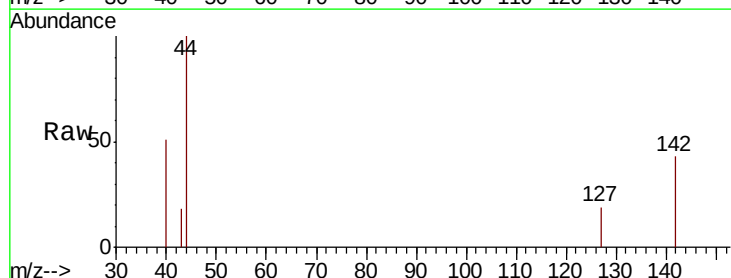
Tgt Ion: 142 Resp: 791

Ion Ratio Lower Upper

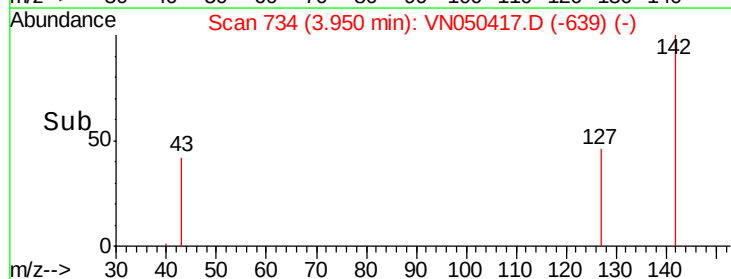
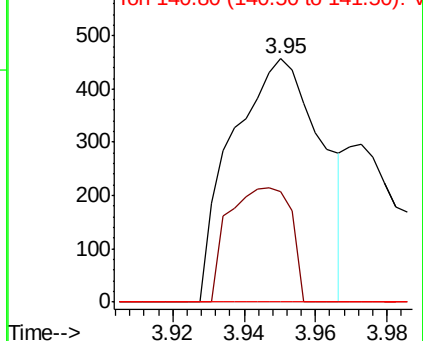
142 100

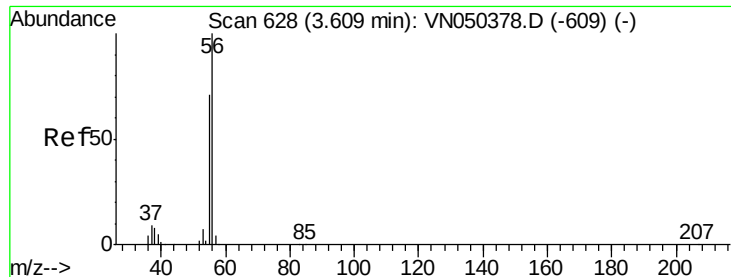
127 32.7 33.4 50.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050417.D (-639) (-)





#13

Acrolein

Concen: 15.14 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

Instrument :

MSVOA_N

ClientSampleId :

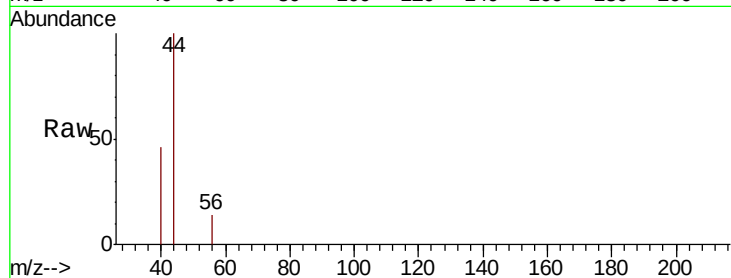
TR-04-080318

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

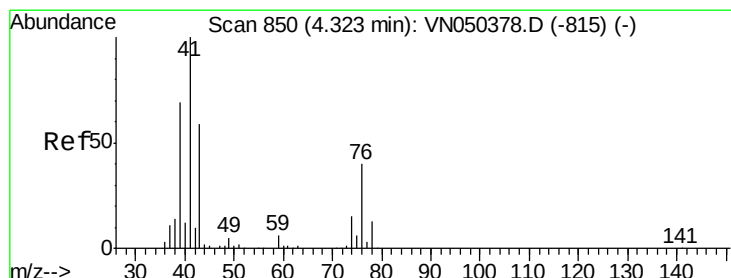
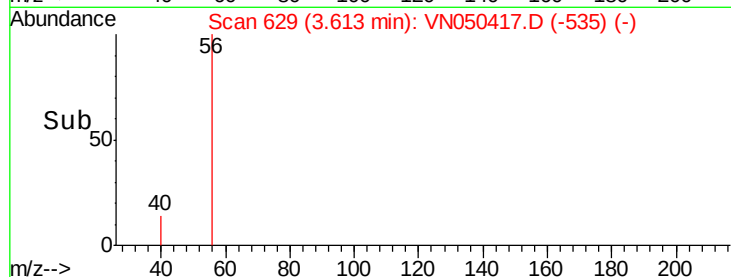
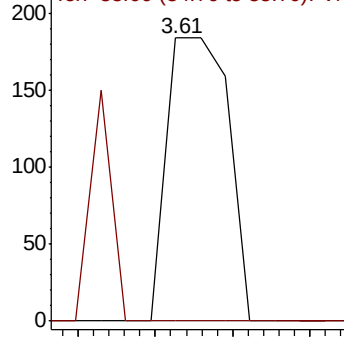
56 100

55 28.4 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.27 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.23 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

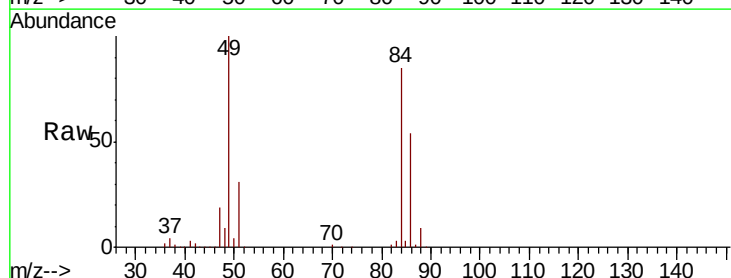
Tgt Ion: 41 Resp: 46704

Ion Ratio Lower Upper

41 100

39 0.6 54.2 81.4#

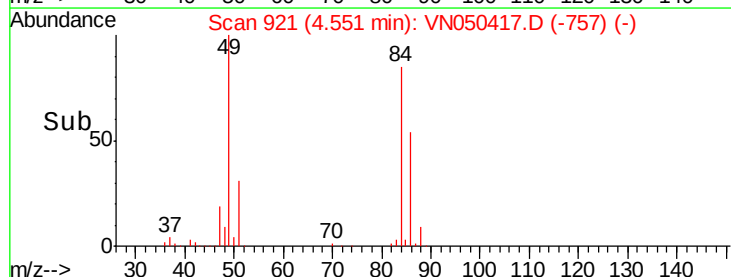
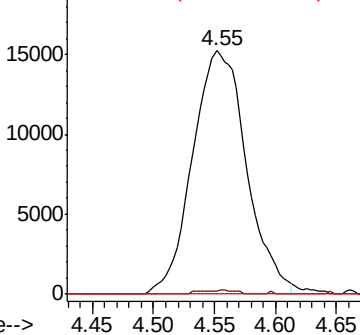
76 0.0 29.0 43.6#

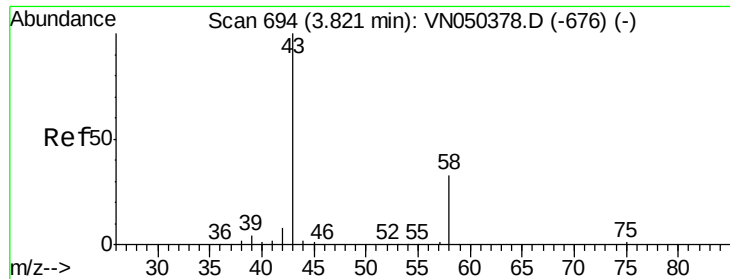


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 6.19 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

Instrument :

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ClientSampleId :

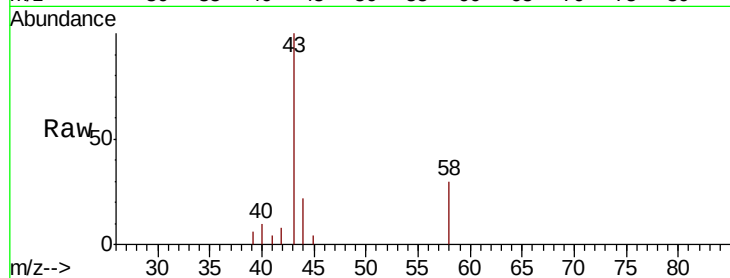
TR-04-080318

Tot Ion: 43 Resp: 16410

Ion Ratio Lower Upper

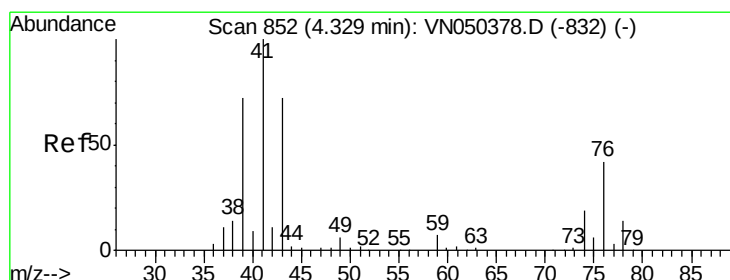
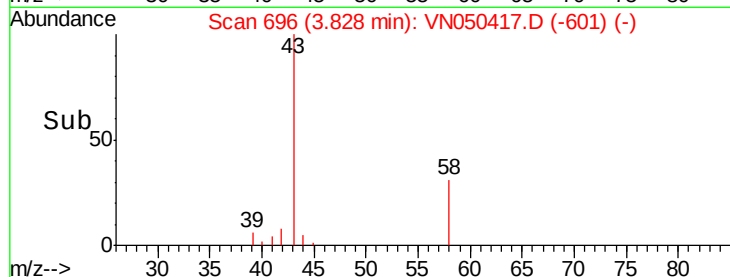
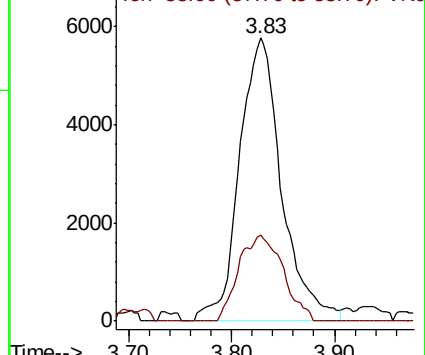
43 100

58 30.4 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.89 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050417.D

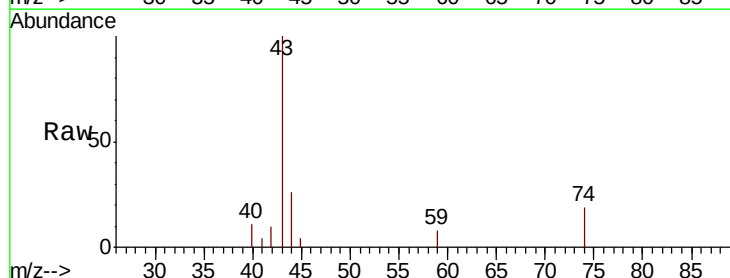
Acq: 7 Aug 2018 5:56

Tgt Ion: 43 Resp: 13550

Ion Ratio Lower Upper

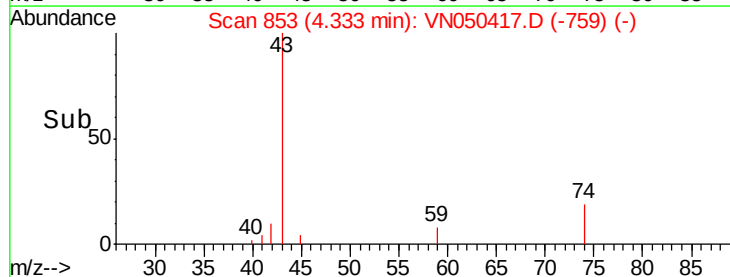
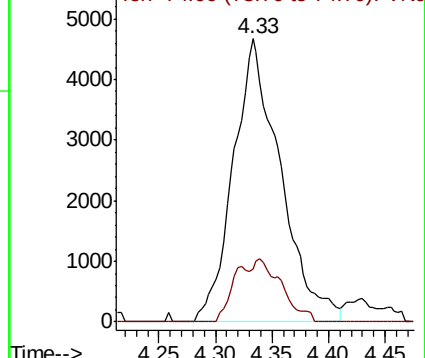
43 100

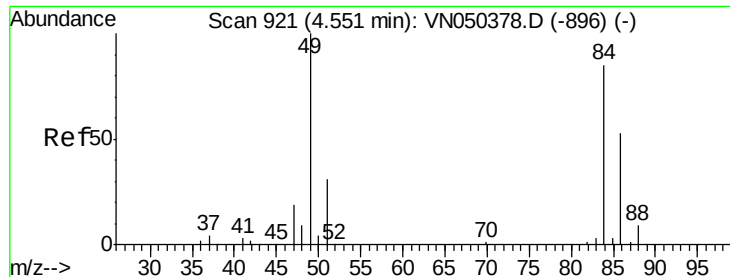
74 7.9 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



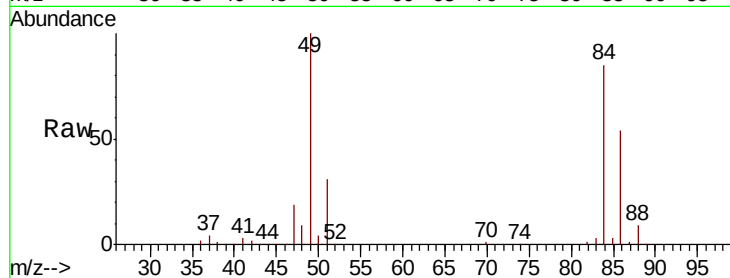


#20
Methylene Chloride
Concen: 179.38 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050417.D
Acq: 7 Aug 2018 5:56

Instrument :
MSVOA_N
ClientSampleId :
TR-04-080318

Tot Ion: 84 Resp: 1344910

Ion	Ratio	Lower	Upper
84	100		
49	118.1	94.8	142.2
51	36.7	28.3	42.5
86	64.0	51.0	76.6



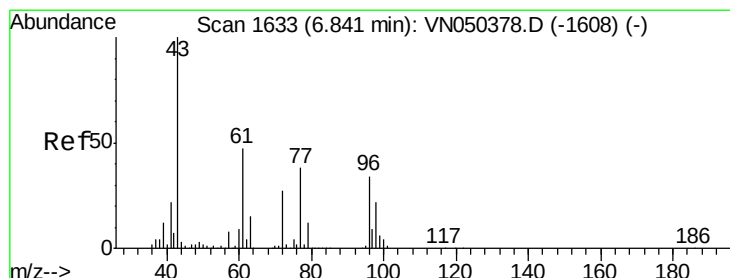
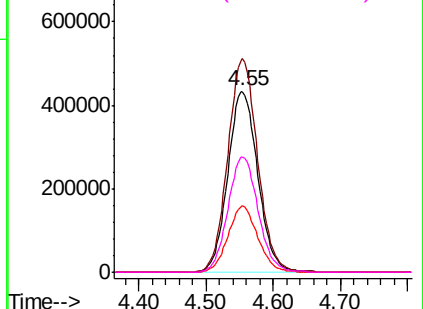
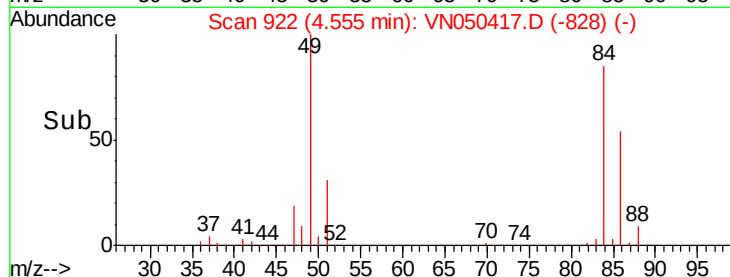
Abundance

Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

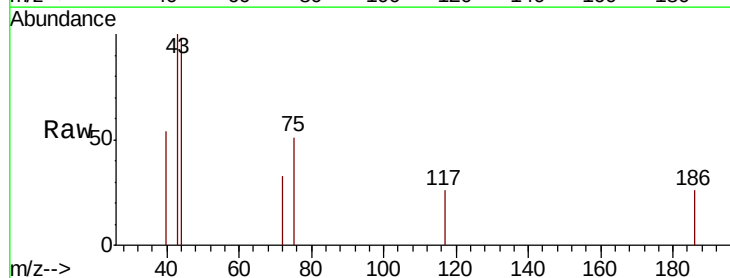
Ion 85.90 (85.60 to 86.60): VNO



#25
2-Butanone
Concen: 0.73 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050417.D
Acq: 7 Aug 2018 5:56

Tgt Ion: 43 Resp: 3037

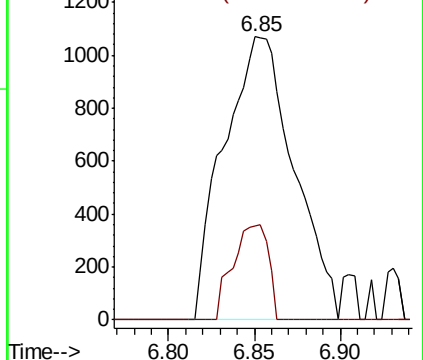
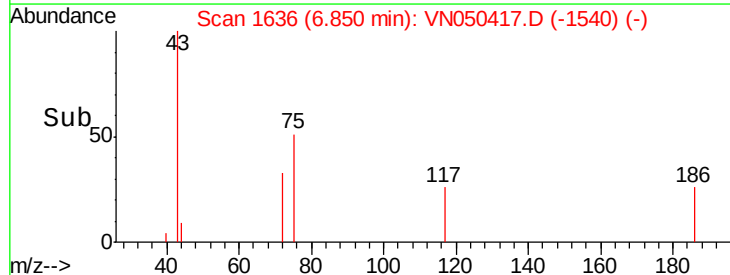
Ion	Ratio	Lower	Upper
43	100		
72	33.3	21.5	32.3#

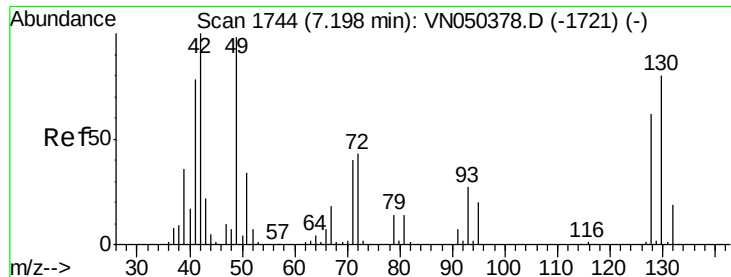


Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO





#28

Bromochloromethane

Concen: 0.58 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

Instrument :

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ClientSampleId :

TR-04-080318

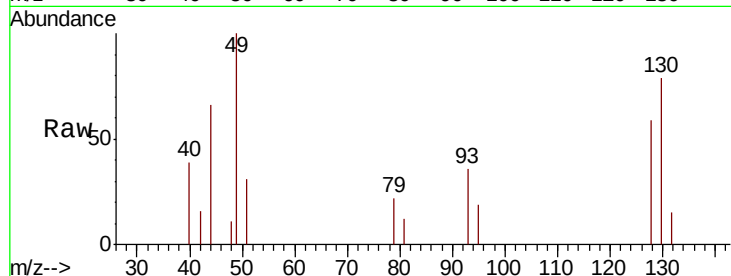
Tot Ion: 49 Resp: 3673

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

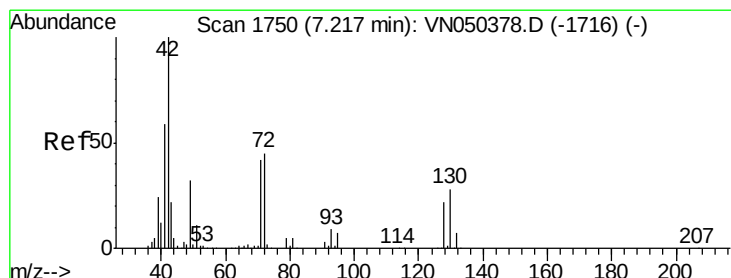
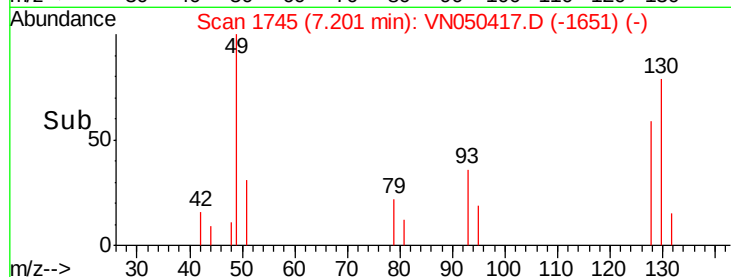
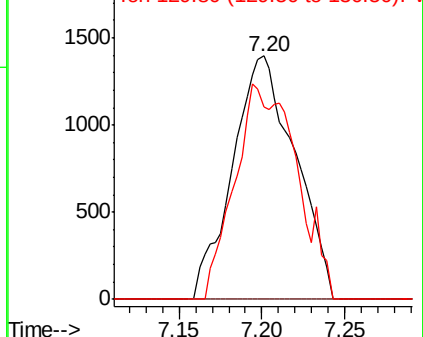
130 48.0 66.3 99.5#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

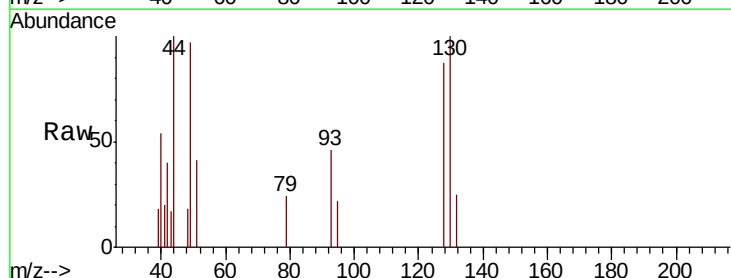
Tgt Ion: 42 Resp: 585

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

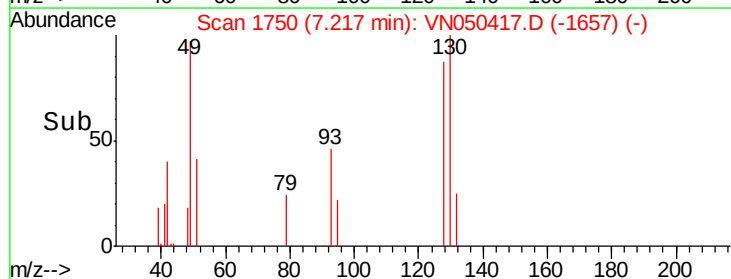
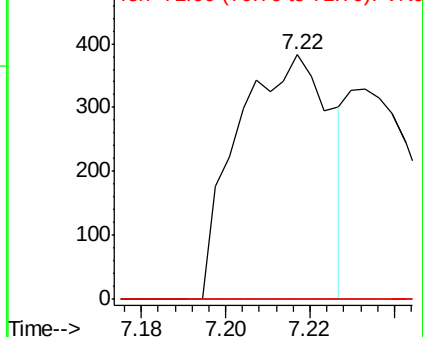
71 0.0 33.7 50.5#

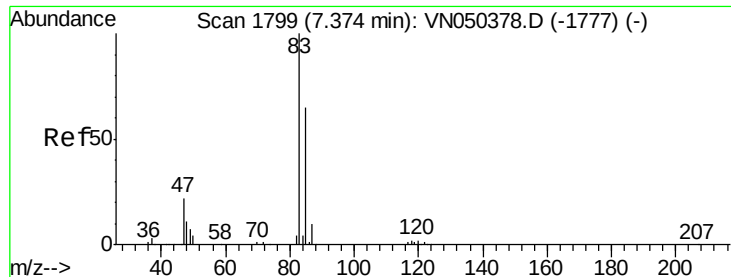


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

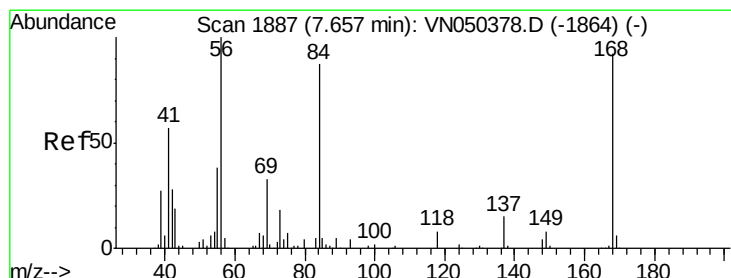
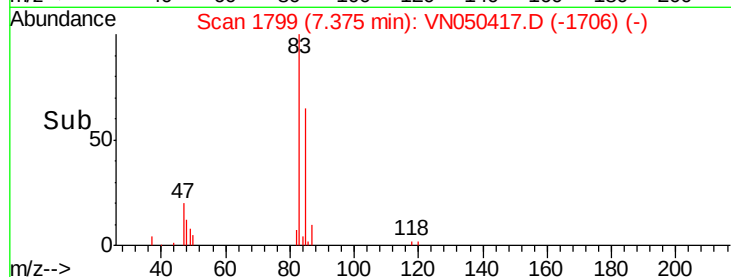
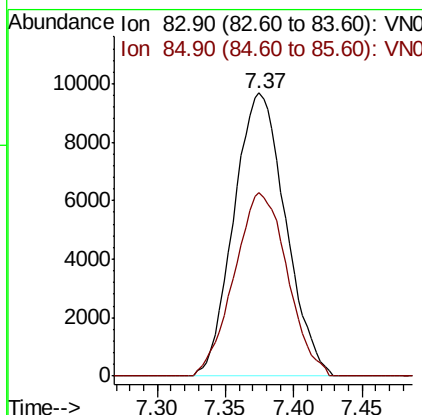
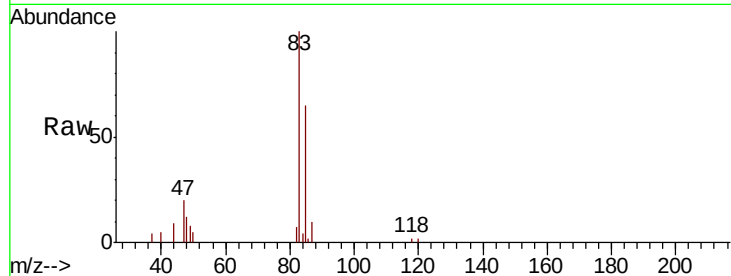




#30
Chloroform
Concen: 1.86 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050417.D
Acq: 7 Aug 2018 5:56

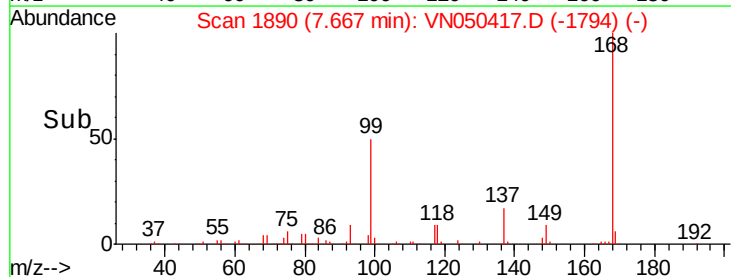
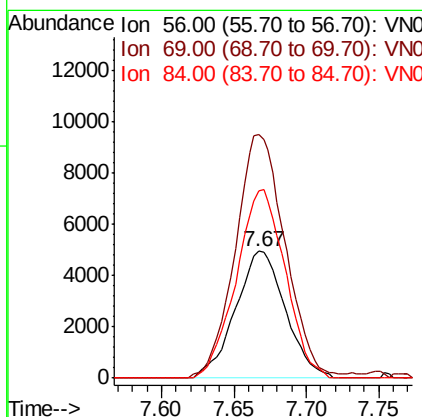
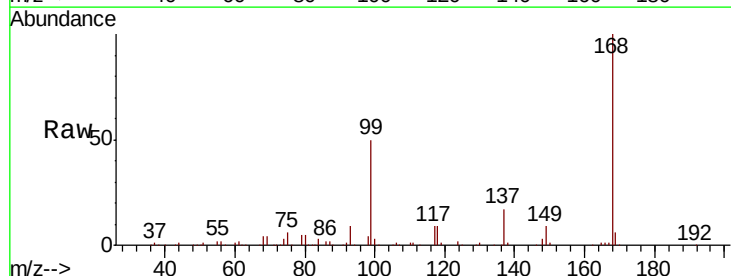
Instrument :
MSVOA_N
ClientSampled :
TR-04-080318

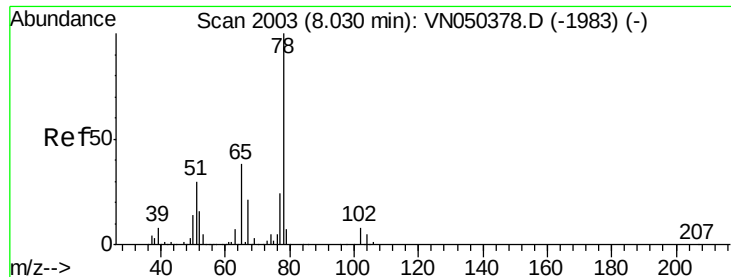
Tot Ion: 83 Resp: 25525
Ion Ratio Lower Upper
83 100
85 65.0 52.5 78.7



#31
Cyclohexane
Concen: 0.36 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050417.D
Acq: 7 Aug 2018 5:56

Tgt Ion: 56 Resp: 11866
Ion Ratio Lower Upper
56 100
69 192.4 26.2 39.4#
84 148.2 67.4 101.0#

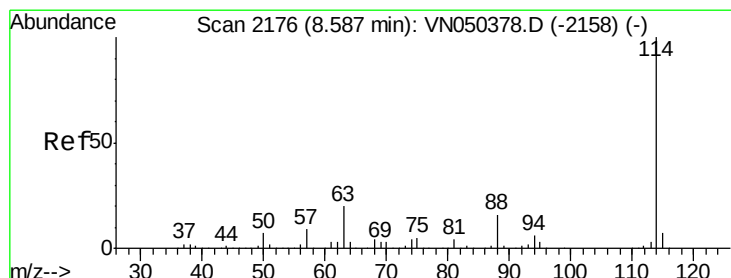
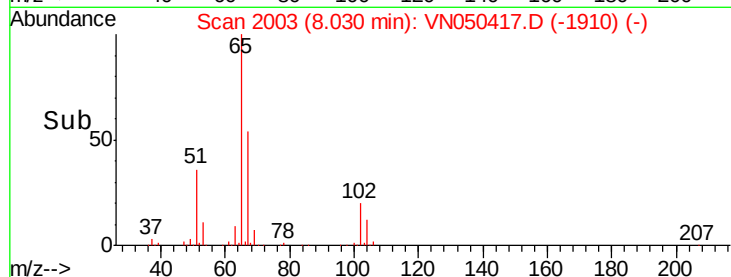
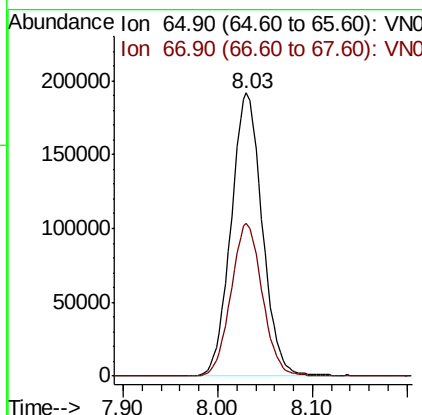
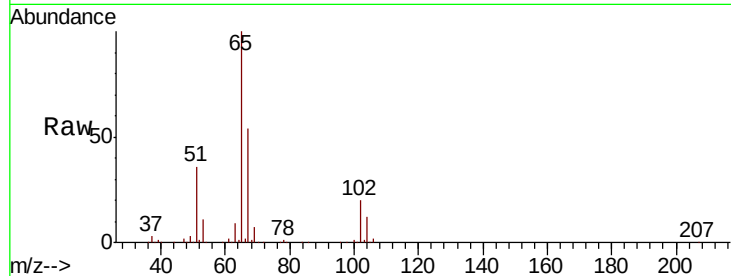




#33
 1,2-Dichloroethane-d4
 Concen: 52.37 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050417.D
 Acq: 7 Aug 2018 5:56

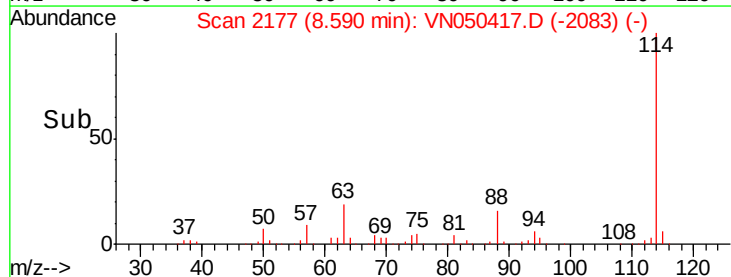
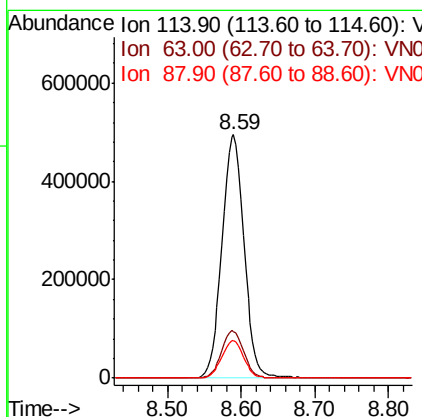
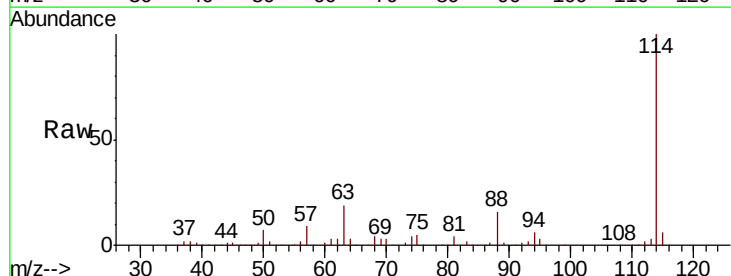
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-080318

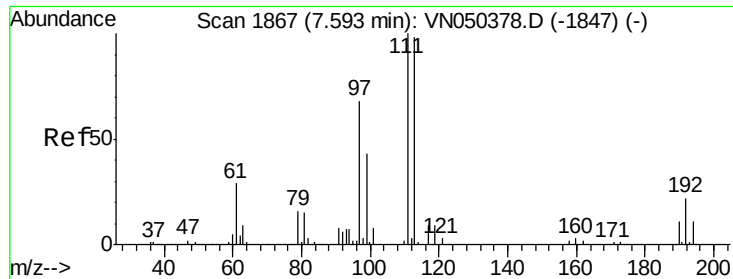
Tot Ion: 65 Resp: 440355
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050417.D
 Acq: 7 Aug 2018 5:56

Tgt Ion: 114 Resp: 1034531
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.5 0.0 31.2

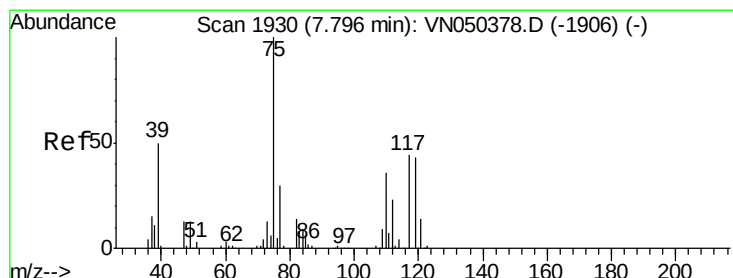
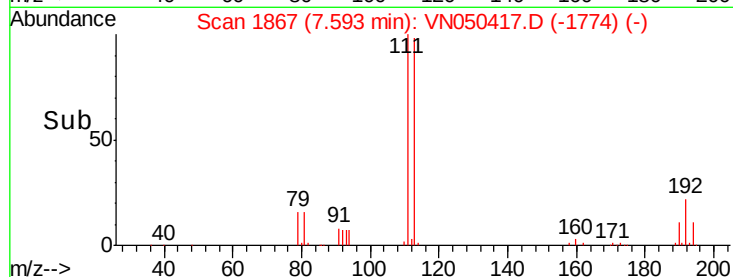
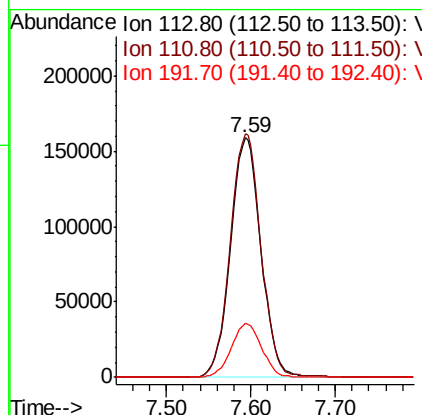
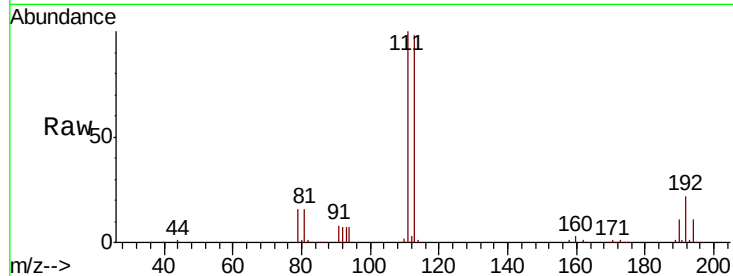




#35
 Dibromofluoromethane
 Concen: 48.12 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050417.D
 Acq: 7 Aug 2018 5:56

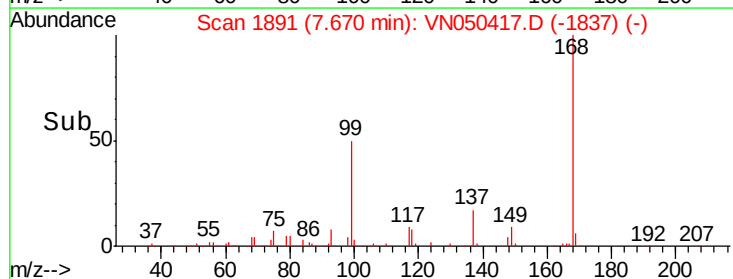
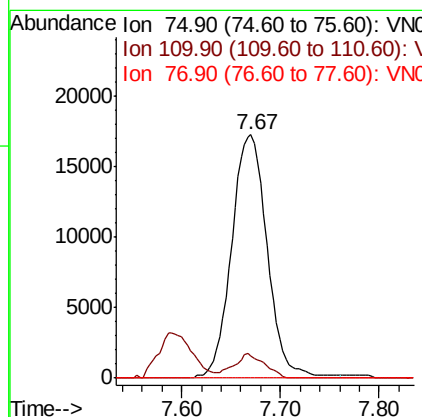
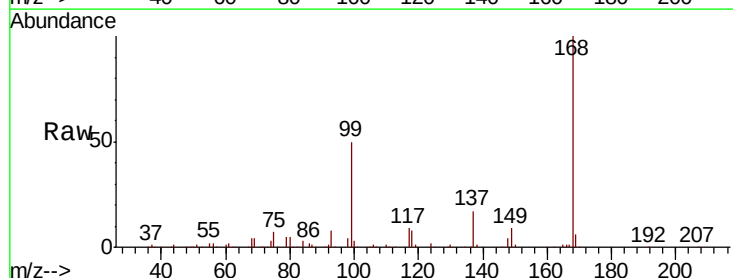
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-080318

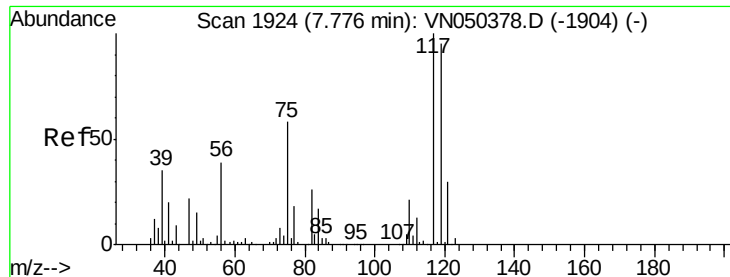
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.7	121.1
192	22.3	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050417.D
 Acq: 7 Aug 2018 5:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.4	55.2#
77	0.0	25.3	37.9#

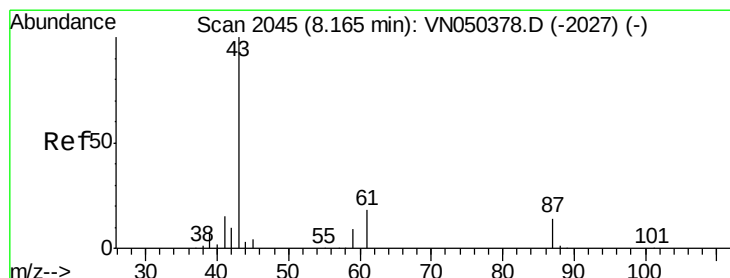
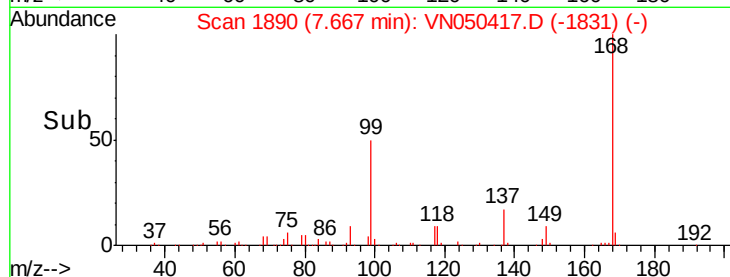
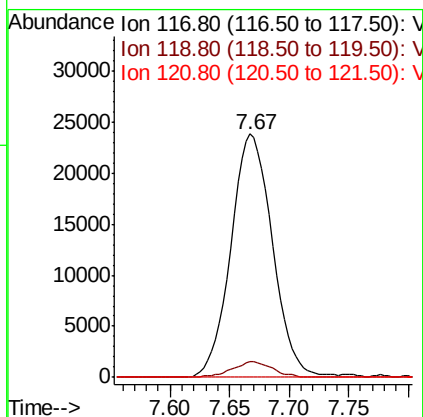
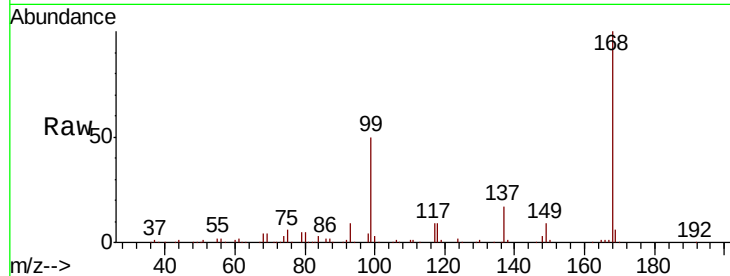




#38
Carbon Tetrachloride
Concen: 4.86 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050417.D
Acq: 7 Aug 2018 5:56

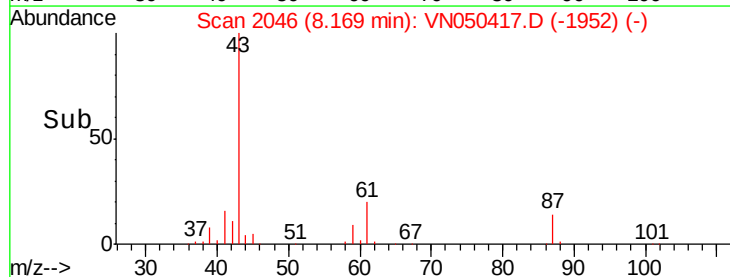
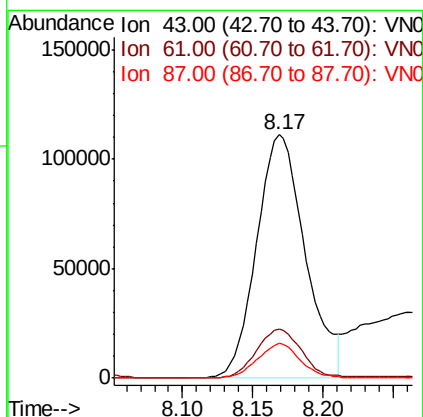
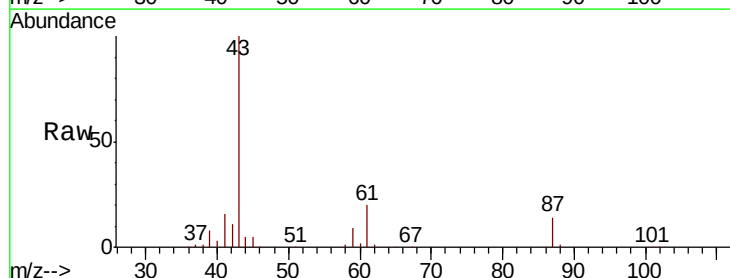
Instrument :
MSVOA_N
ClientSampleId :
TR-04-080318

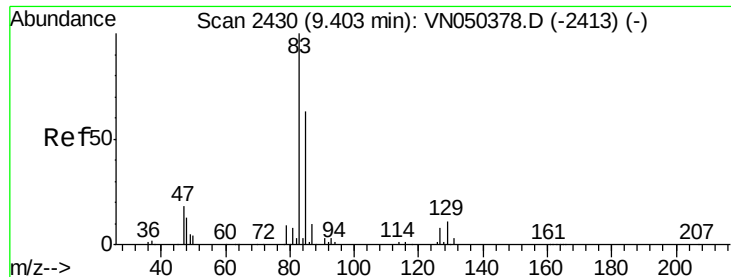
Tot Ion:117 Resp: 57670
Ion Ratio Lower Upper
117 100
119 6.4 77.4 116.0#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 18.95 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050417.D
Acq: 7 Aug 2018 5:56

Tgt Ion: 43 Resp: 267810
Ion Ratio Lower Upper
43 100
61 19.1 15.8 23.6
87 12.6 10.3 15.5

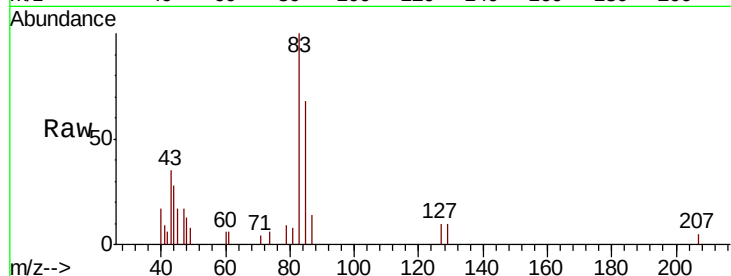




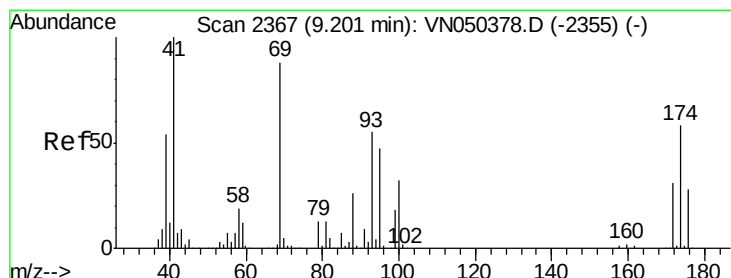
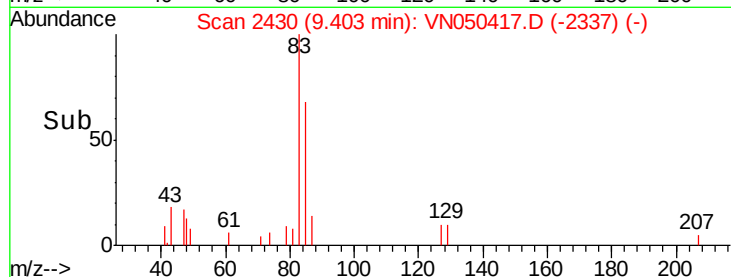
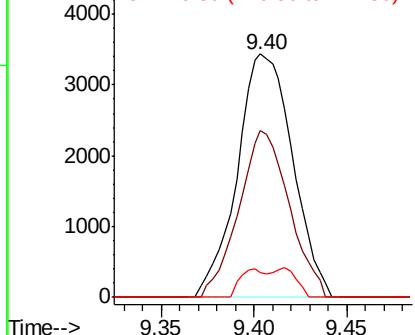
#47
Bromodichloromethane
Concen: 0.61 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050417.D
Acq: 7 Aug 2018 5:56

Instrument :
MSVOA_N
ClientSampleId :
TR-04-080318

Tot Ion: 83 Resp: 7123
Ion Ratio Lower Upper
83 100
85 68.4 51.1 76.7
127 10.2 7.0 10.4

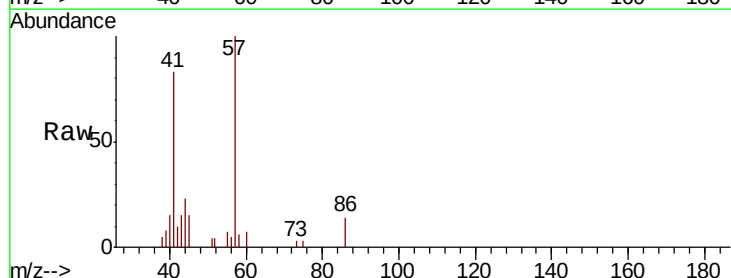


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

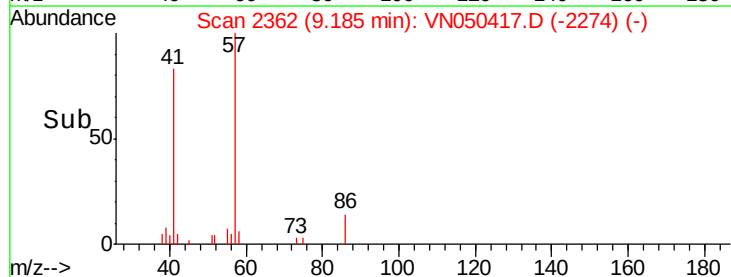
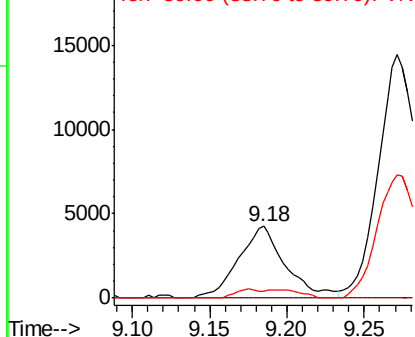


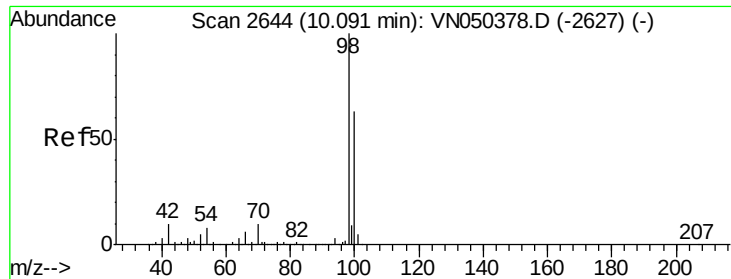
#48
Methyl methacrylate
Concen: 1.27 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050417.D
Acq: 7 Aug 2018 5:56

Tgt Ion: 41 Resp: 9013
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 6.2 43.9 65.9#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

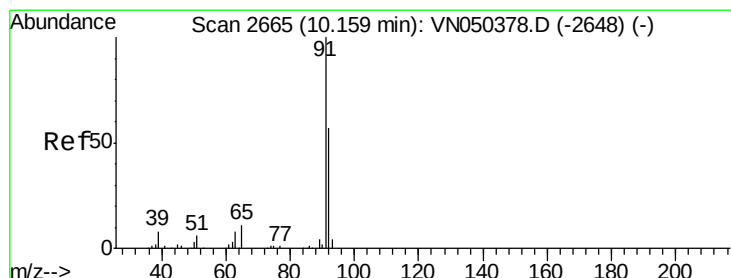
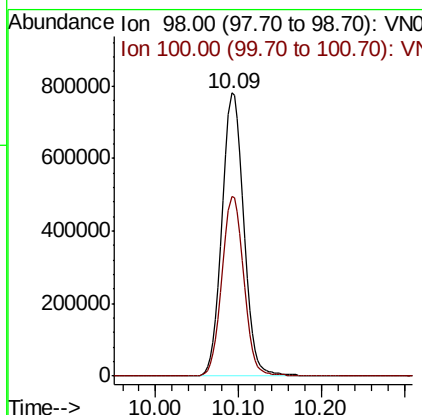
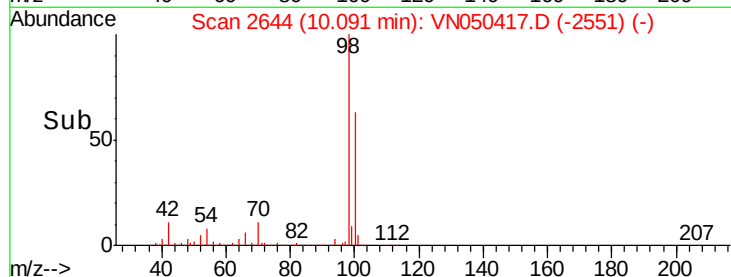
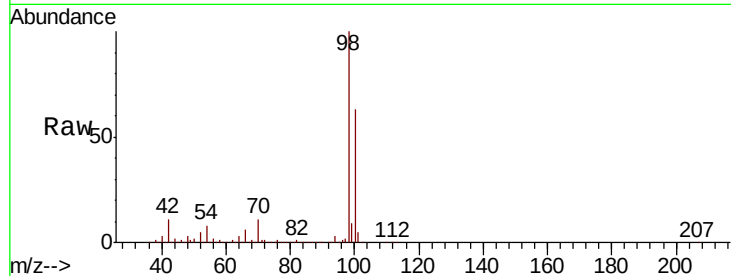




#50
Toluene-d8
Concen: 45.63 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050417.D
Acq: 7 Aug 2018 5:56

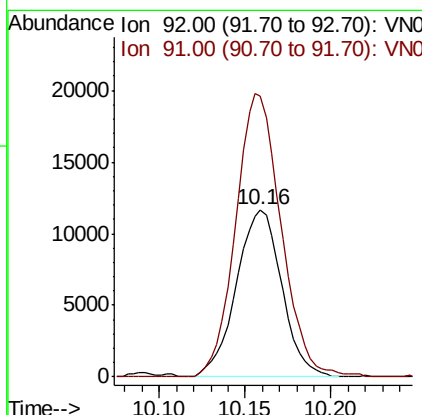
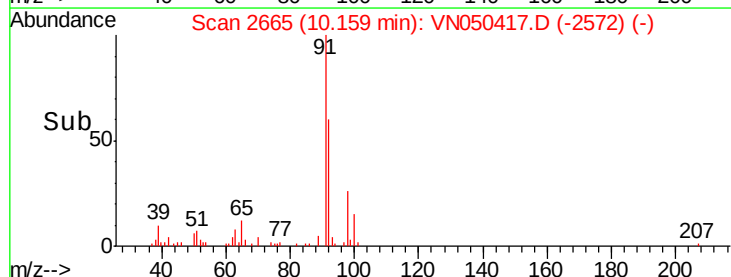
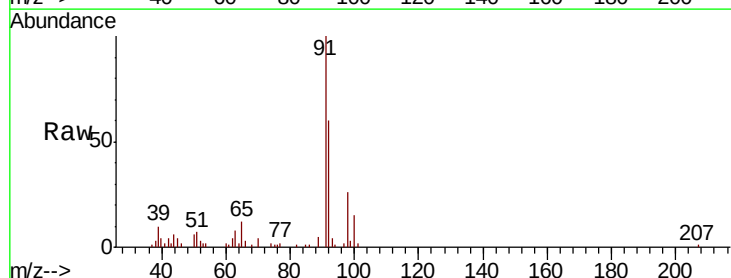
Instrument :
MSVOA_N
ClientSampleId :
TR-04-080318

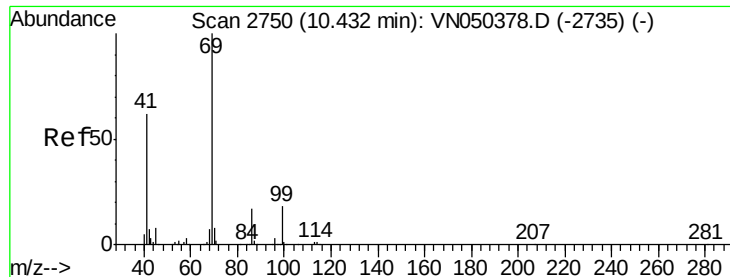
Tot Ion: 98 Resp: 1424006
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



#52
Toluene
Concen: 1.02 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050417.D
Acq: 7 Aug 2018 5:56

Tgt Ion: 92 Resp: 21404
Ion Ratio Lower Upper
92 100
91 169.9 140.3 210.5





#56

Ethyl methacrylate

Concen: 1.77 ug/l

RT: 10.64 min Scan# 2815

Delta R.T. 0.21 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

Instrument :

MSVOA_N

ClientSampled :

TR-04-080318

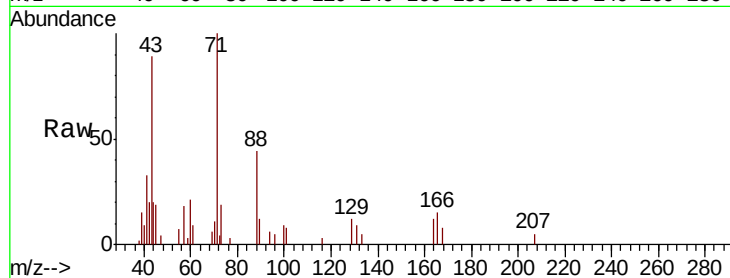
Tot Ion: 69 Resp: 773

Ion Ratio Lower Upper

69 100

41 589.0 51.0 76.4#

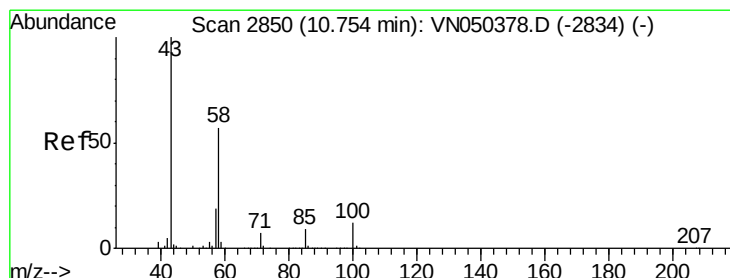
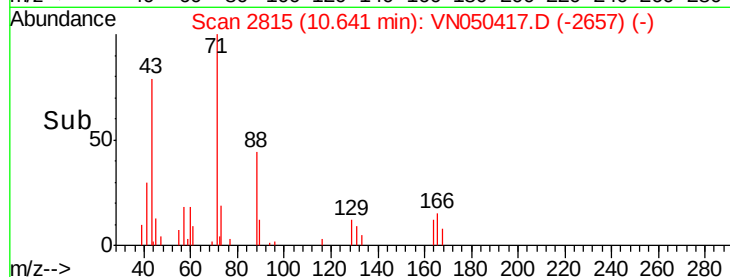
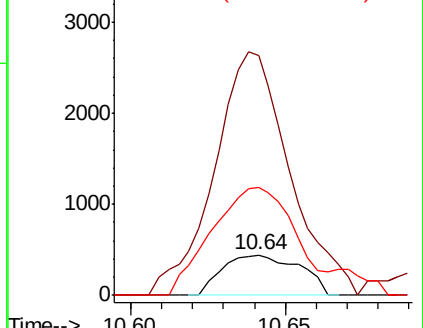
39 287.6 26.6 40.0#



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: 2.79 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050417.D

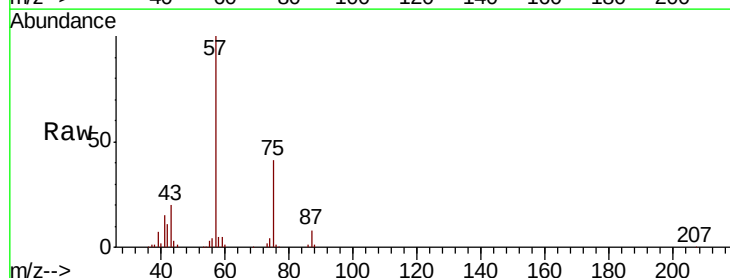
Acq: 7 Aug 2018 5:56

Tgt Ion: 43 Resp: 19799

Ion Ratio Lower Upper

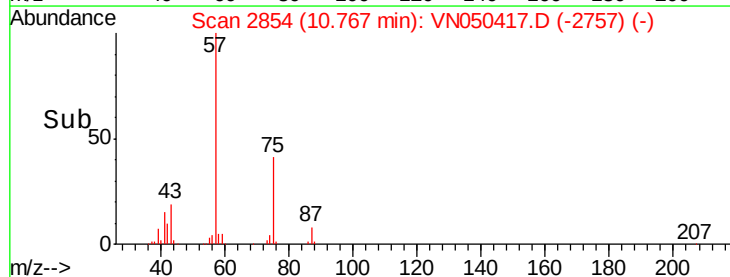
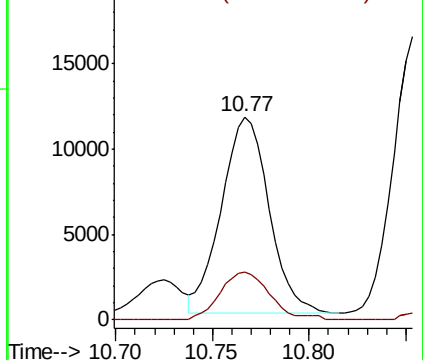
43 100

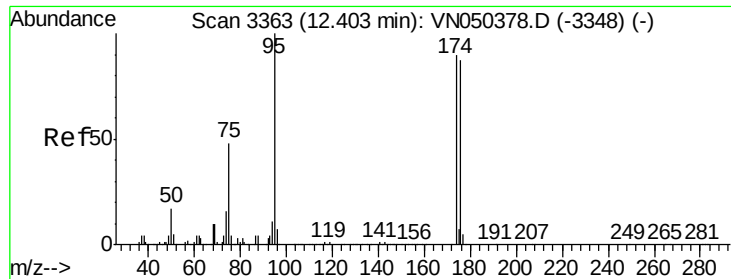
58 24.6 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 39.85 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

Instrument :

MSVOA_N

ClientSampleId :

TR-04-080318

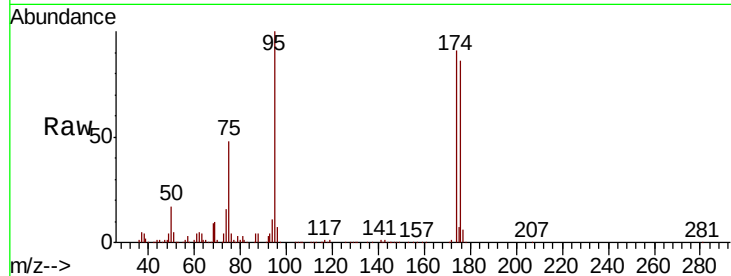
Tot Ion: 95 Resp: 423866

Ion Ratio Lower Upper

95 100

174 91.6 0.0 178.2

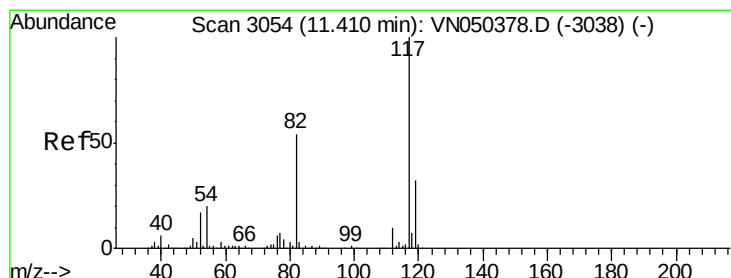
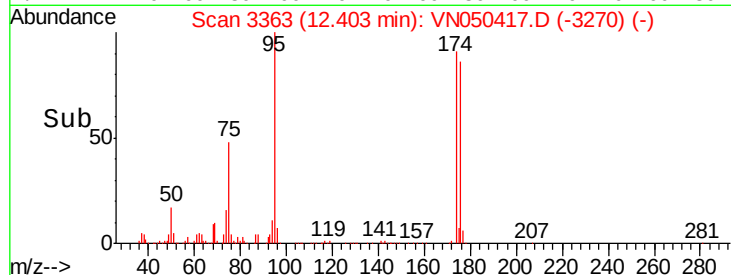
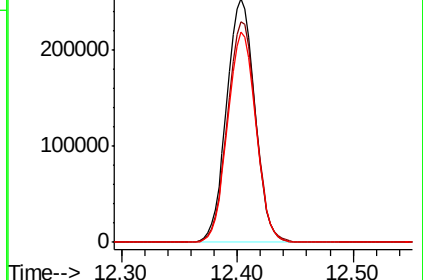
176 86.5 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050417.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN050417.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN050417.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

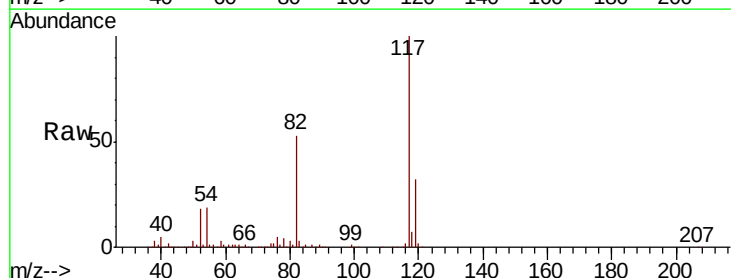
Tgt Ion: 117 Resp: 902368

Ion Ratio Lower Upper

117 100

82 53.4 43.7 65.5

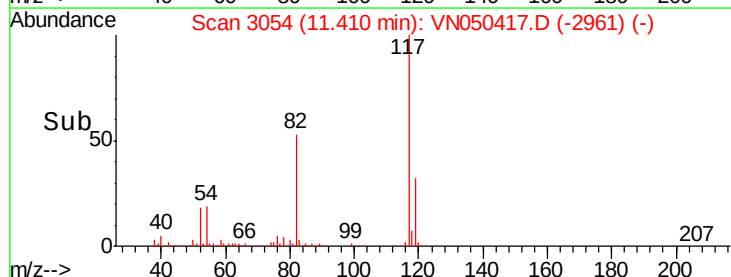
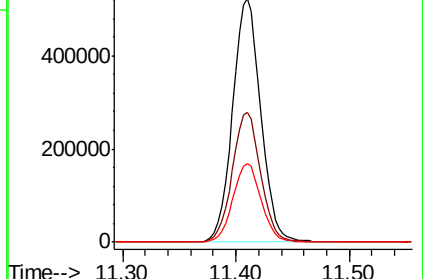
119 32.5 26.1 39.1

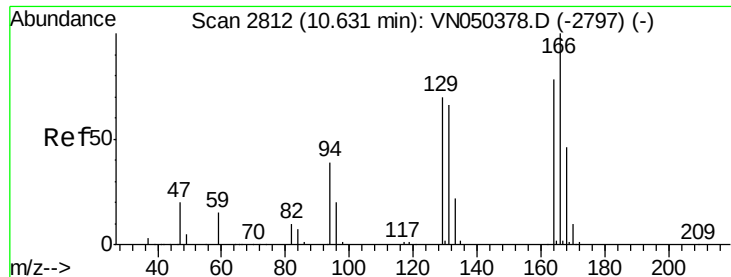


Abundance Ion 116.90 (116.60 to 117.60): VN050417.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN050417.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN050417.D (-2961) (-)





#64

Tetrachloroethene

Concen: 0.24 ug/l

RT: 10.64 min Scan# 2814

Delta R.T. 0.01 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

Instrument :

MSVOA_N

ClientSampleId :

TR-04-080318

Tot Ion:164 Resp: 2063

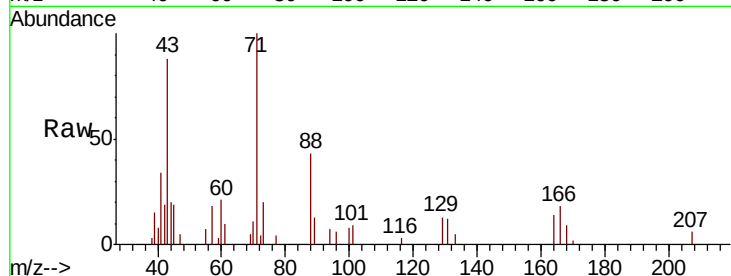
Ion Ratio Lower Upper

164 100

166 124.8 102.1 153.1

129 88.4 73.2 109.8

131 86.6 70.6 106.0

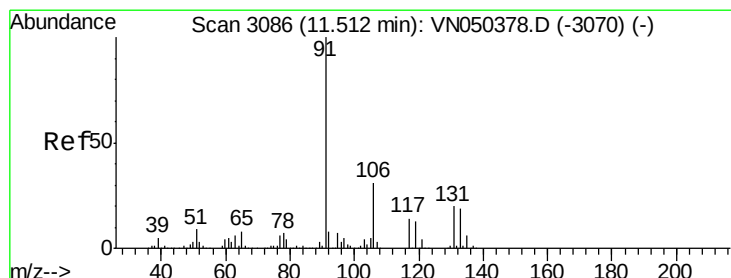
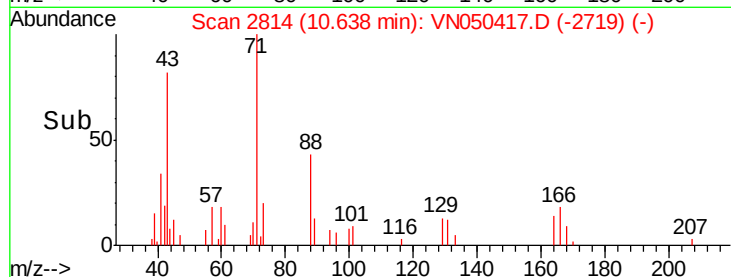
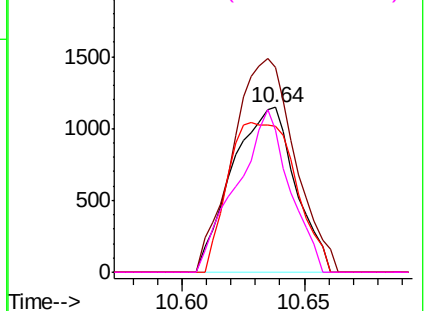


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 1.06 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050417.D

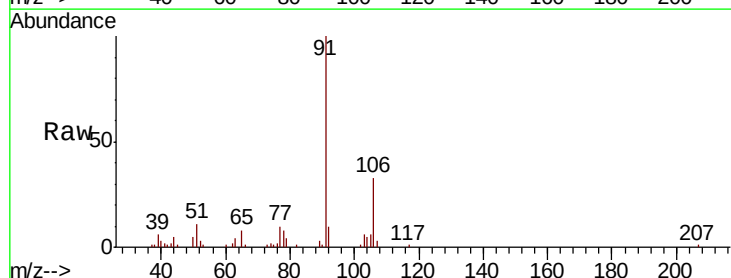
Acq: 7 Aug 2018 5:56

Tgt Ion: 91 Resp: 38631

Ion Ratio Lower Upper

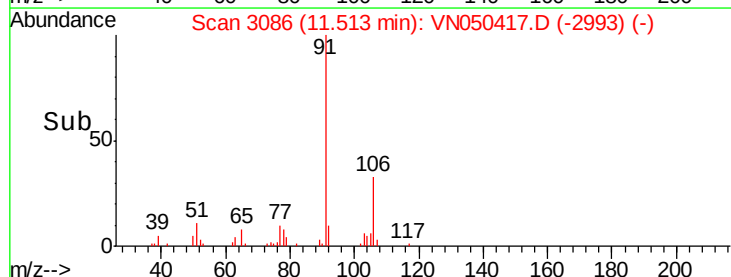
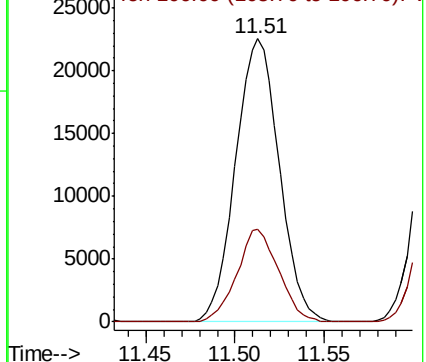
91 100

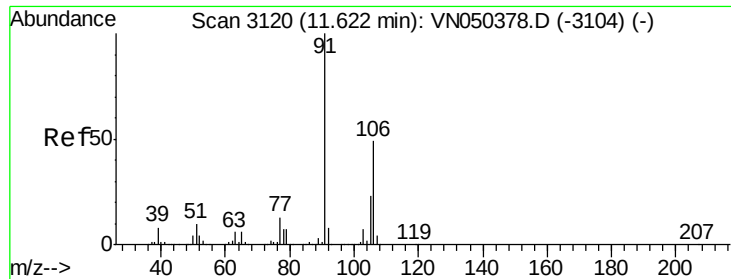
106 32.8 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

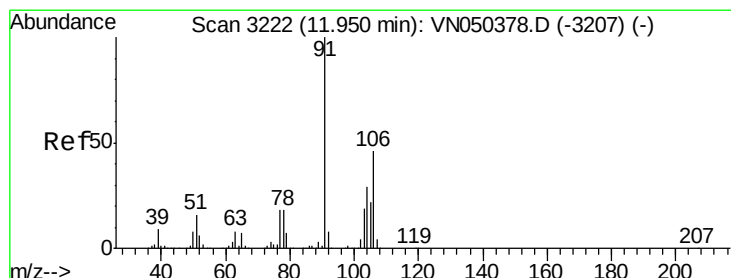
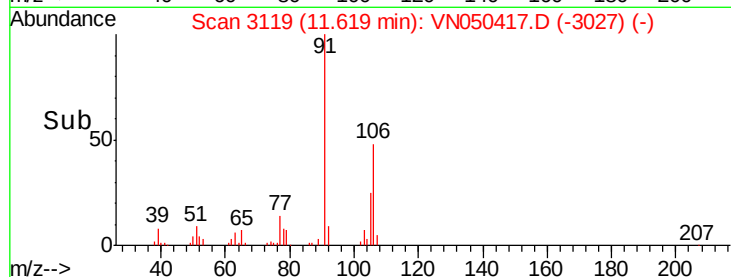
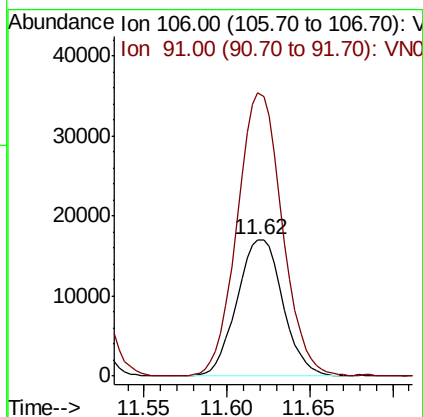
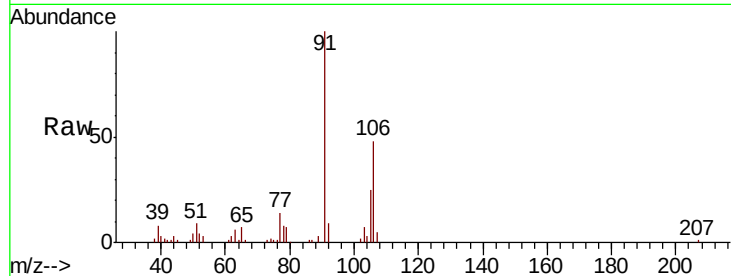




#68
m/p-Xylenes
Concen: 2.37 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050417.D
Acq: 7 Aug 2018 5:56

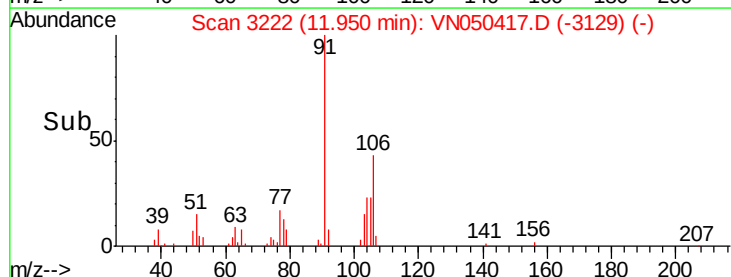
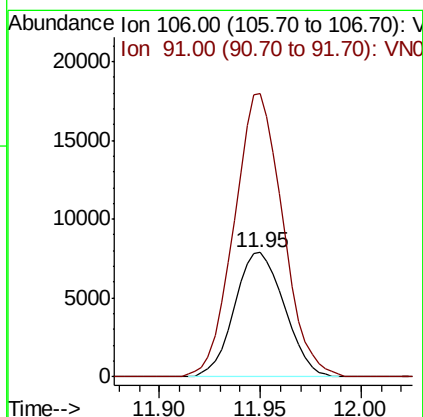
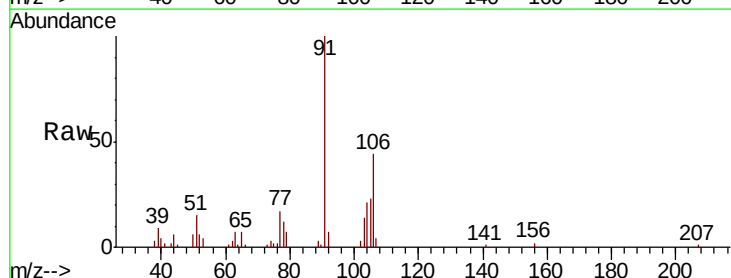
Instrument :
MSVOA_N
ClientSampleId :
TR-04-080318

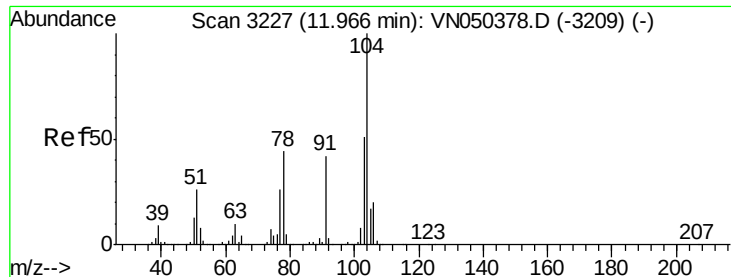
Tot Ion:106 Resp: 32954
Ion Ratio Lower Upper
106 100
91 203.5 162.2 243.2



#69
o-Xylene
Concen: 1.02 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050417.D
Acq: 7 Aug 2018 5:56

Tgt Ion:106 Resp: 13642
Ion Ratio Lower Upper
106 100
91 222.6 107.7 323.1





#70

Stvrene

Concen: 0.72 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.00 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

Instrument :

MSVOA_N

ClientSampled :

TR-04-080318

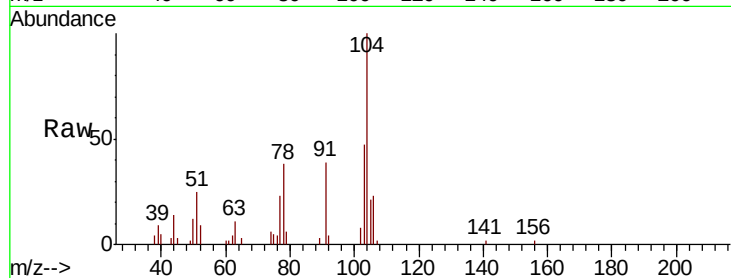
Tot Ion:104 Resp: 15628

Ion Ratio Lower Upper

104 100

78 50.1 39.3 58.9

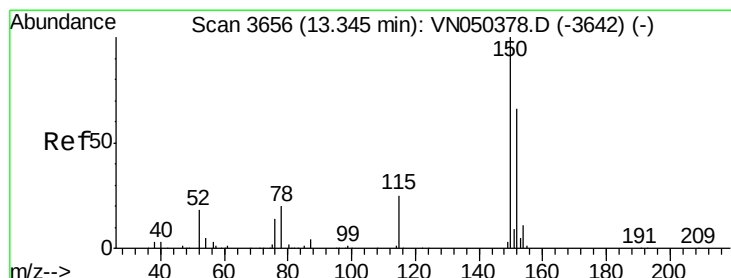
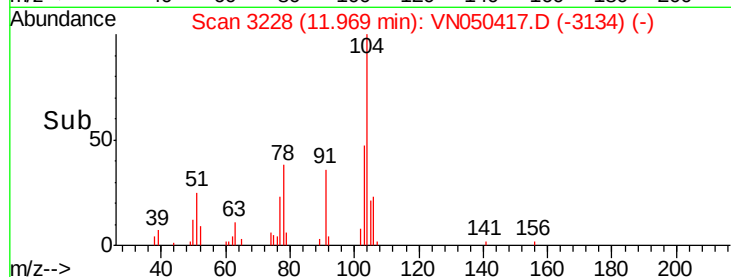
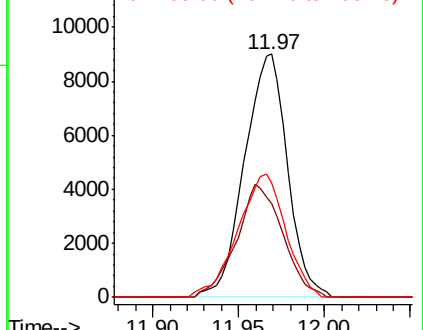
103 56.6 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

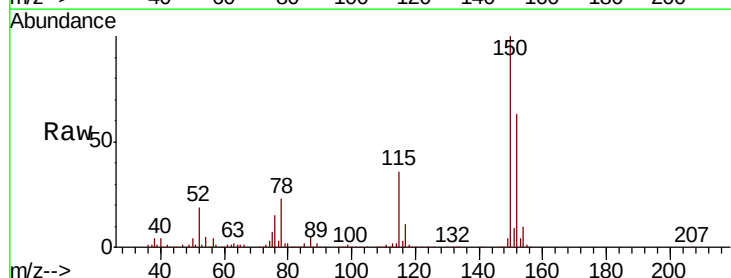
Tgt Ion:152 Resp: 396960

Ion Ratio Lower Upper

152 100

115 56.7 27.8 83.3

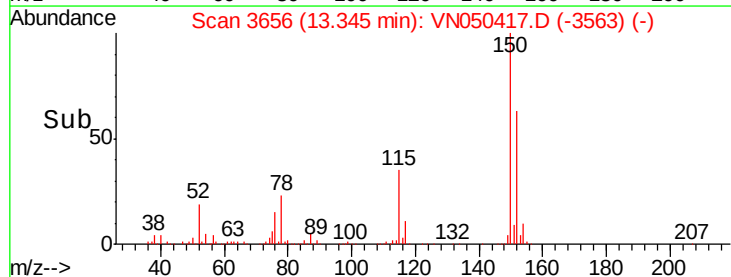
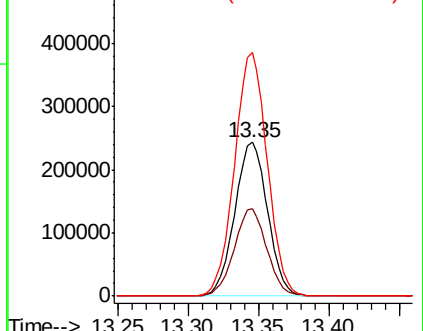
150 158.0 0.0 348.6

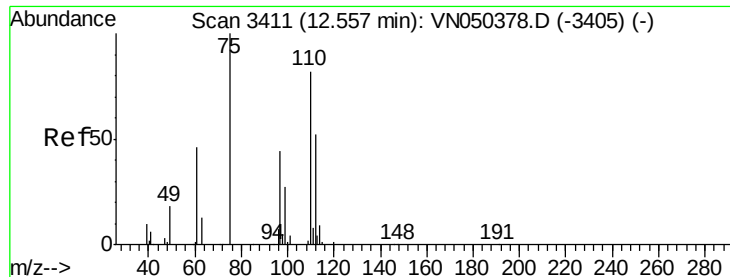


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

Instrument :

MSVOA_N

ClientSampled :

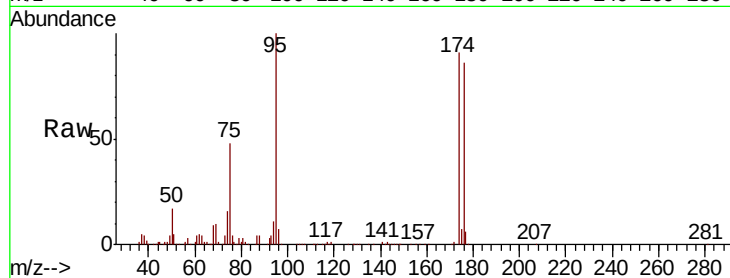
TR-04-080318

Tot Ion: 75 Resp: 203182

Ion Ratio Lower Upper

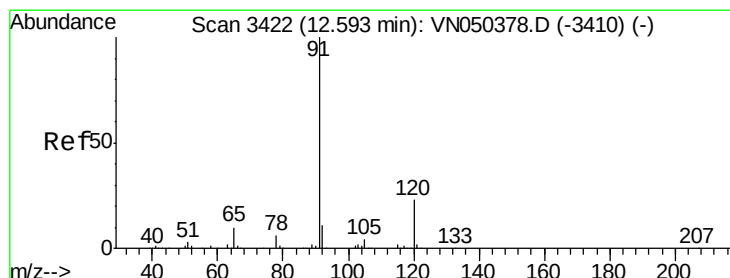
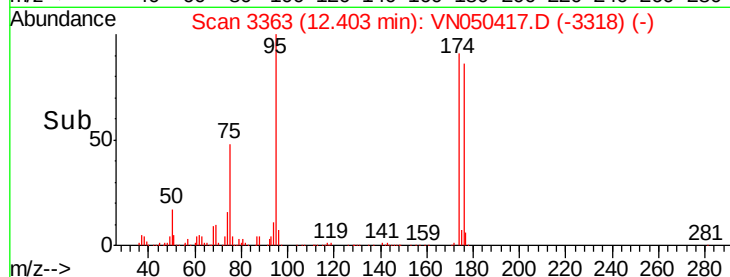
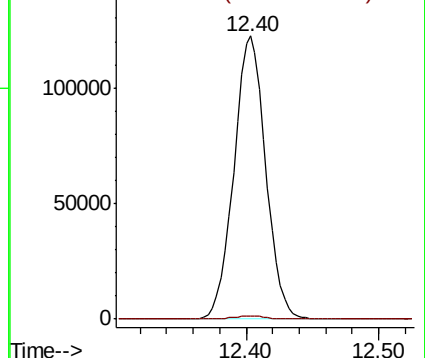
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.38 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050417.D

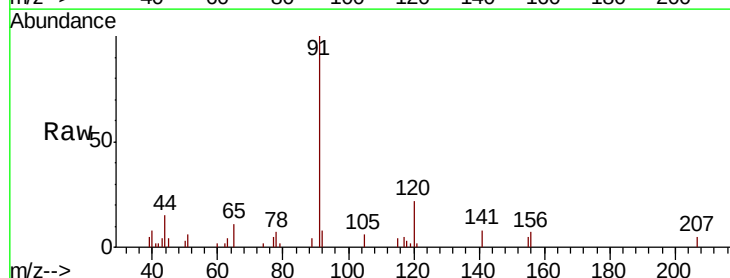
Acq: 7 Aug 2018 5:56

Tgt Ion: 91 Resp: 12736

Ion Ratio Lower Upper

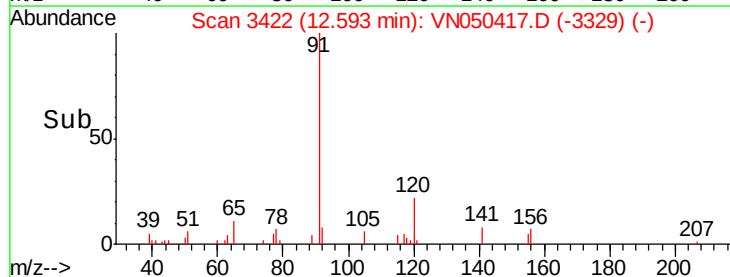
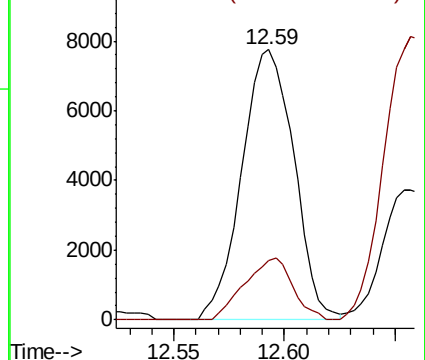
91 100

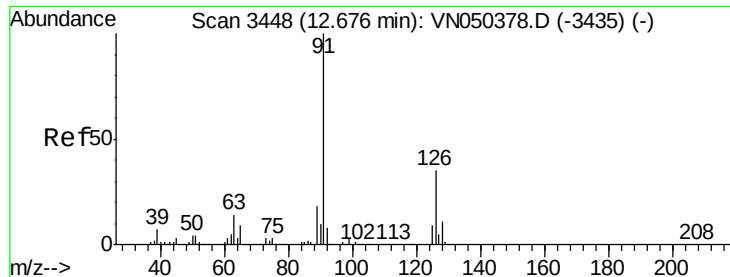
120 21.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.50 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

Instrument :

MSVOA_N

ClientSampleId :

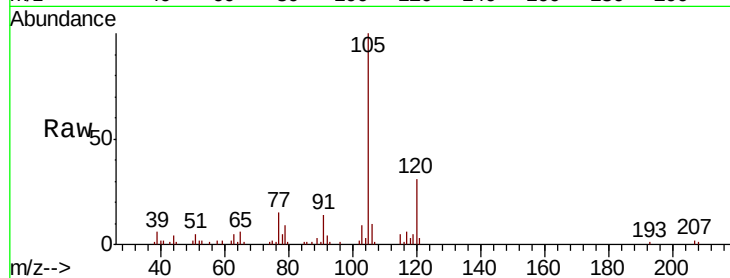
TR-04-080318

Tot Ion: 91 Resp: 10424

Ion Ratio Lower Upper

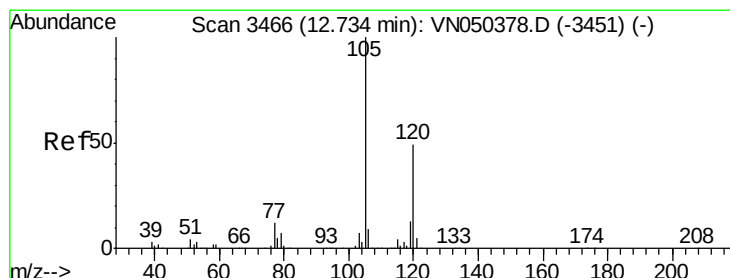
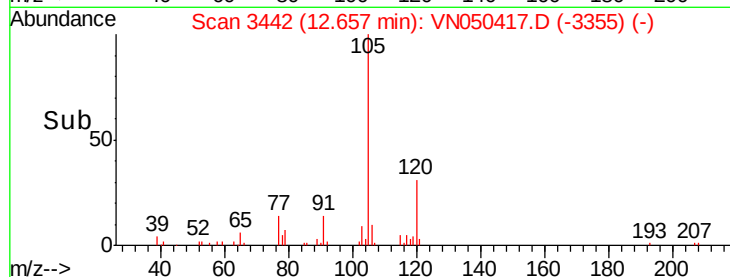
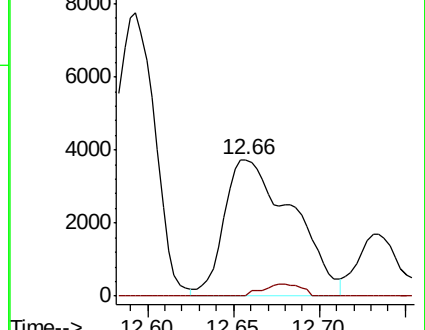
91 100

126 4.9 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.09 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050417.D

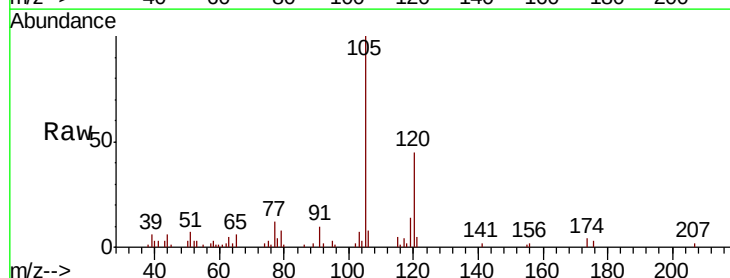
Acq: 7 Aug 2018 5:56

Tgt Ion: 105 Resp: 26294

Ion Ratio Lower Upper

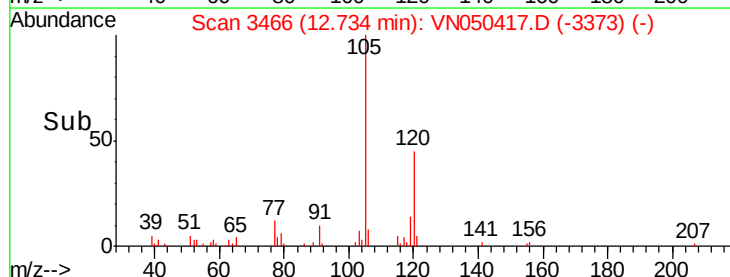
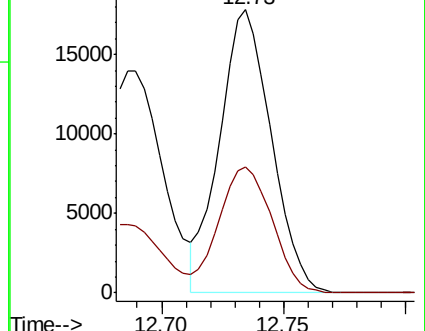
105 100

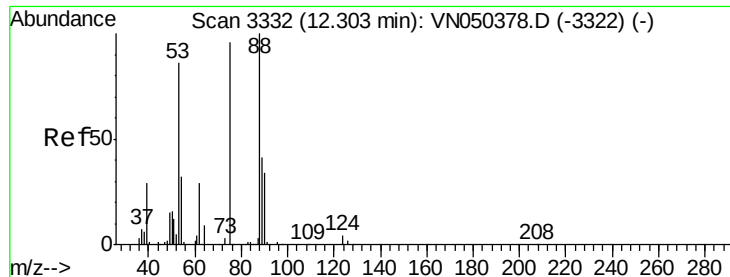
120 45.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)

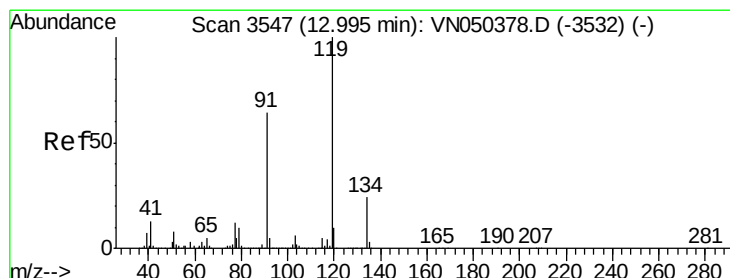
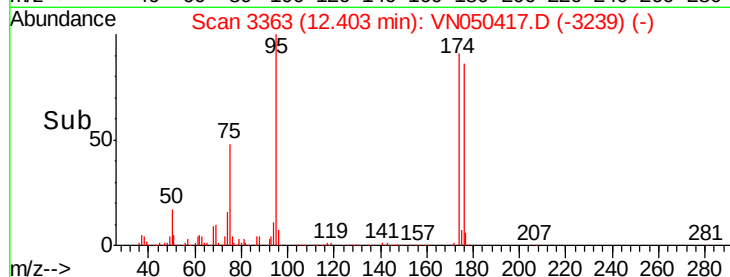
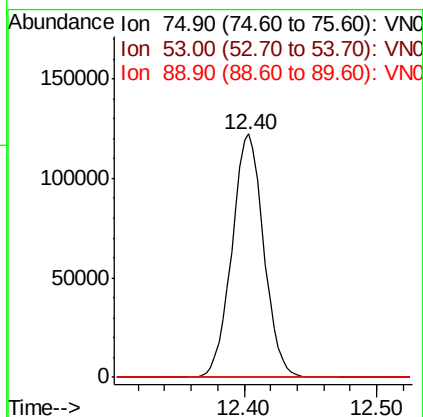
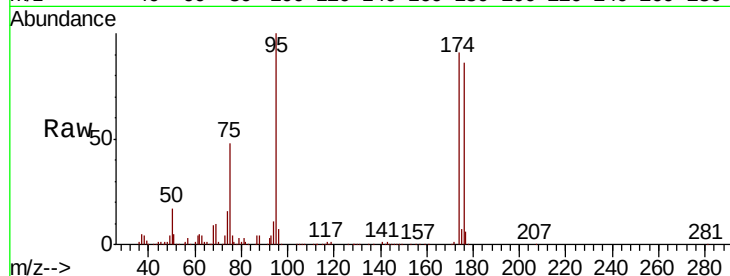




#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.35 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050417.D
 Acq: 7 Aug 2018 5:56

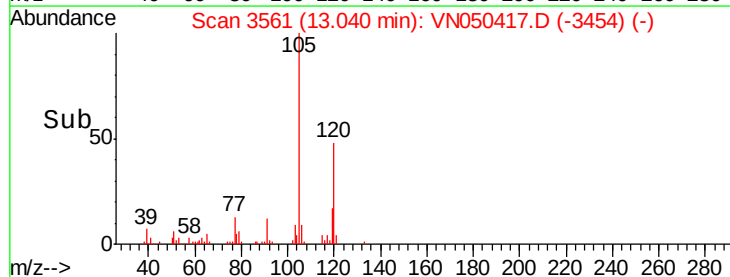
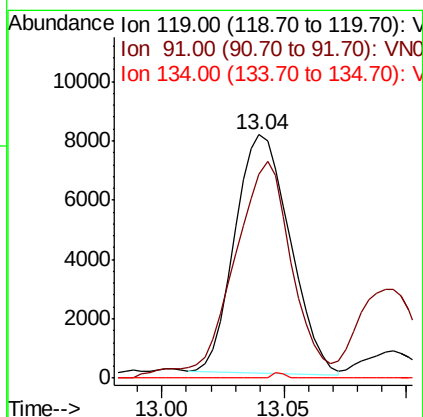
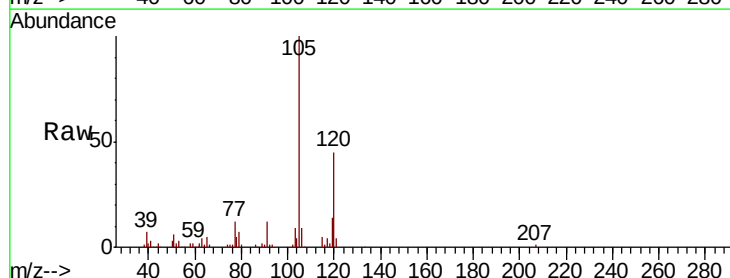
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-080318

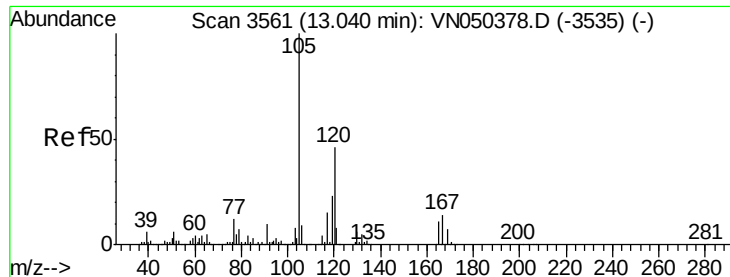
Tot Ion: 75 Resp: 203182
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.5 110.3#
 89 0.0 36.0 54.0#



#83
 tert-Butylbenzene
 Concen: 0.60 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.05 min
 Lab File: VN050417.D
 Acq: 7 Aug 2018 5:56

Tgt Ion: 119 Resp: 12657
 Ion Ratio Lower Upper
 119 100
 91 94.9 32.1 96.3
 134 0.5 13.2 39.5#

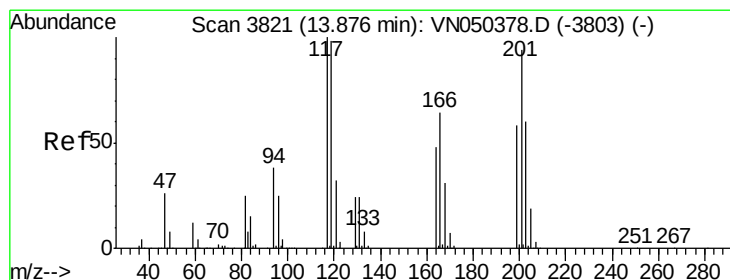
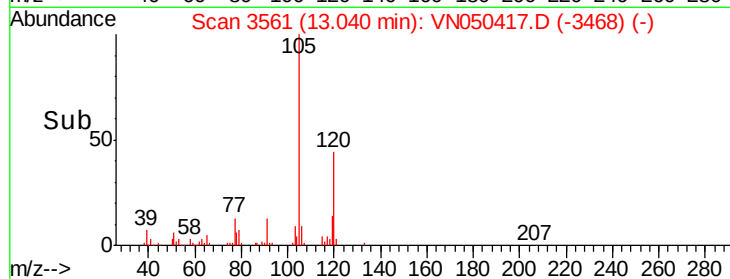
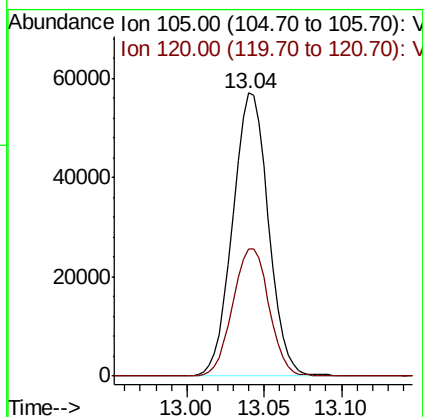
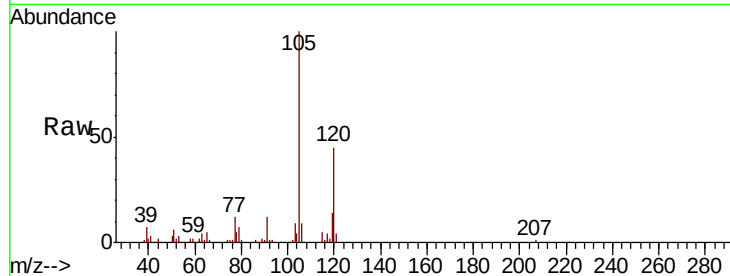




#84
 1,2,4-Trimethylbenzene
 Concen: 3.73 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050417.D
 Acq: 7 Aug 2018 5:56

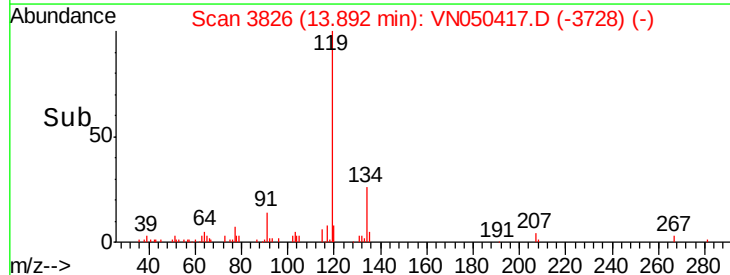
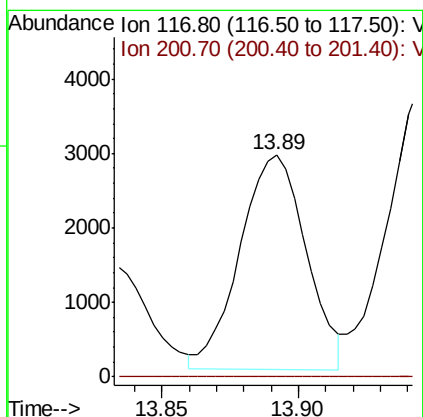
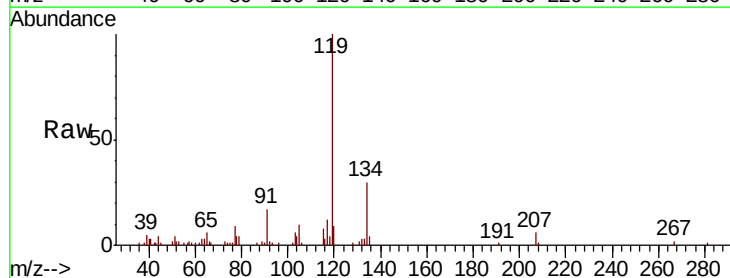
Instrument :
 MSVOA_N
 ClientSampled :
 TR-04-080318

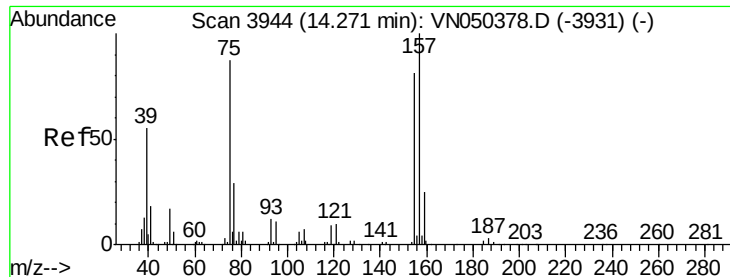
Tot Ion:105 Resp: 91495
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.7



#90
 Hexachloroethane
 Concen: 1.13 ug/l
 RT: 13.89 min Scan# 3826
 Delta R.T. 0.02 min
 Lab File: VN050417.D
 Acq: 7 Aug 2018 5:56

Tgt Ion:117 Resp: 4855
 Ion Ratio Lower Upper
 117 100
 201 0.0 45.6 136.8#

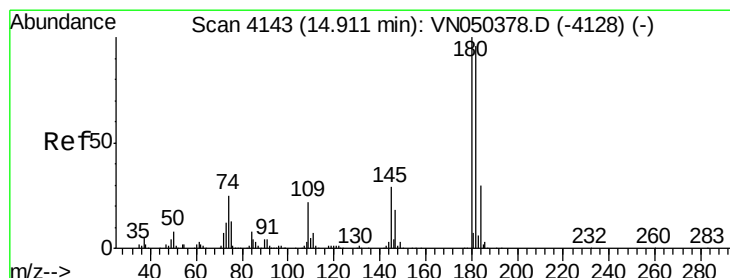
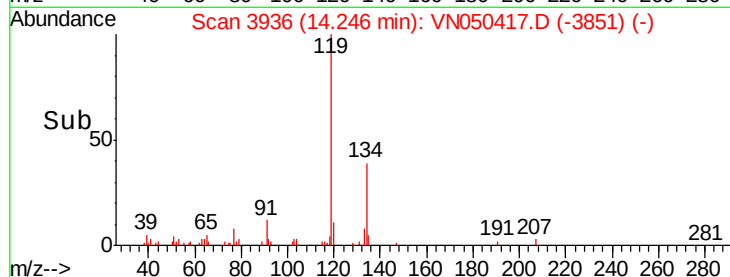
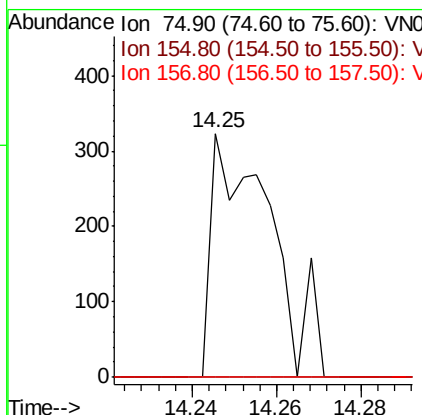
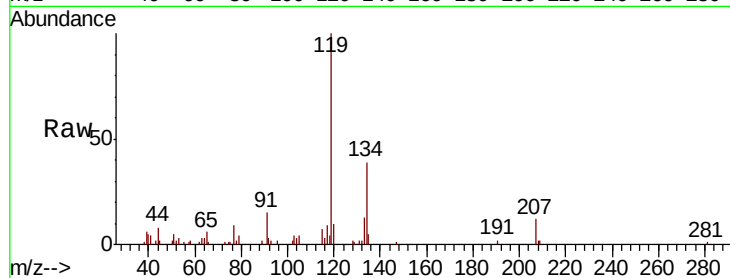




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.22 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. -0.03 min
 Lab File: VN050417.D
 Acq: 7 Aug 2018 5:56

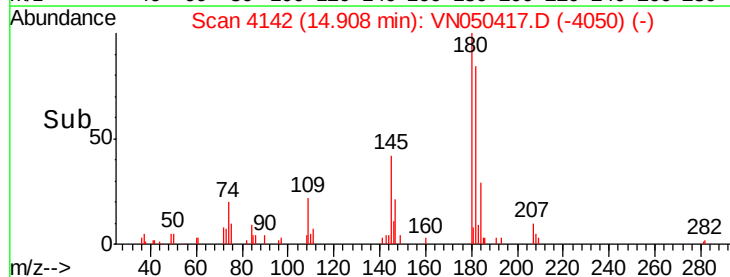
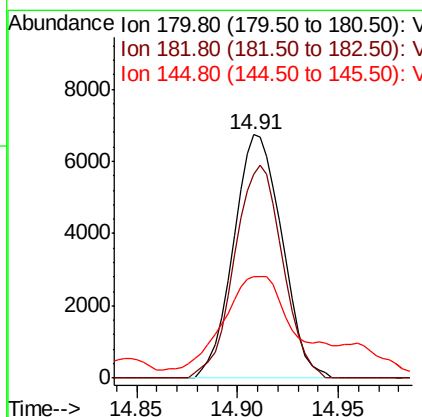
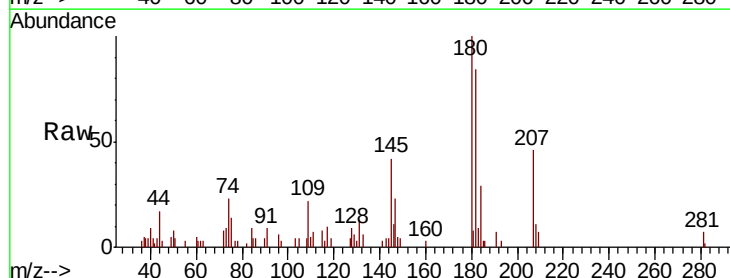
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-080318

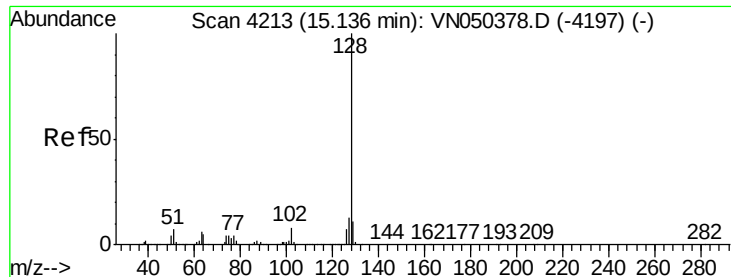
Tot Ion: 75 Resp: 316
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.8 134.4#
 157 0.0 57.2 171.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.56 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050417.D
 Acq: 7 Aug 2018 5:56

Tgt Ion: 180 Resp: 11316
 Ion Ratio Lower Upper
 180 100
 182 87.1 46.7 140.1
 145 55.6 13.8 41.4#





#95

Naphthalene

Concen: 46.66 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

Instrument :

MSVOA_N

ClientSampled :

TR-04-080318

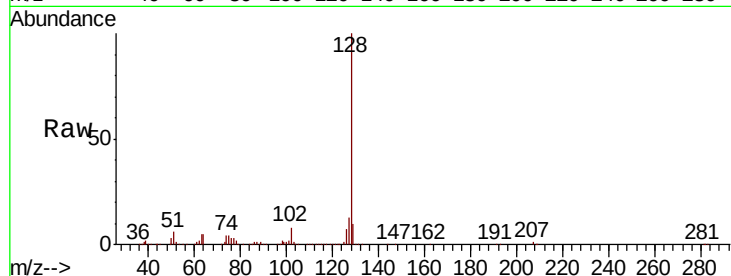
Tot Ion:128 Resp: 891801

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.8 8.8 13.2



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

600000

400000

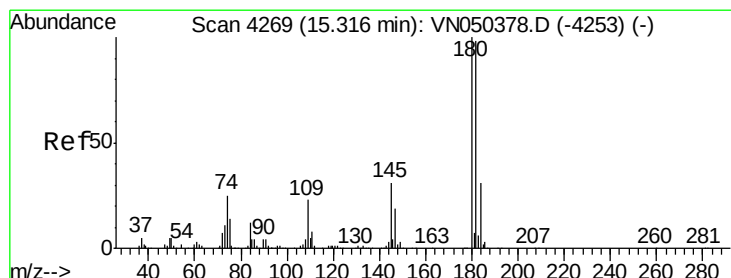
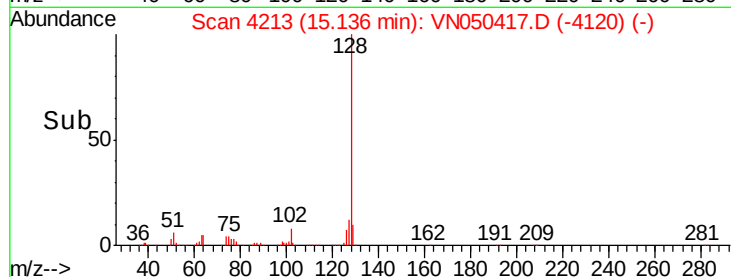
200000

0

15.14

15.10 15.20

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 0.24 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN050417.D

Acq: 7 Aug 2018 5:56

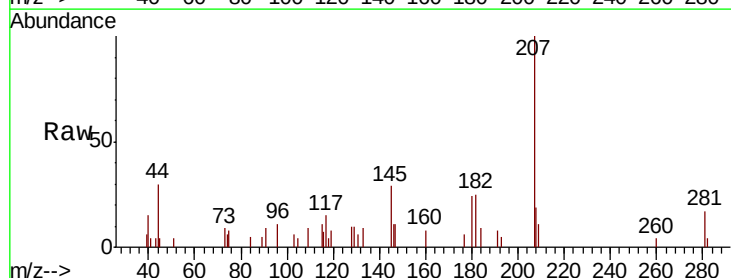
Tgt Ion:180 Resp: 1764

Ion Ratio Lower Upper

180 100

182 104.8 48.1 144.4

145 0.0 15.3 45.9#



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

1500

1000

500

0

15.31

15.30 15.35

Time-->

