

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052158.D
 Acq On : 5 Nov 2018 20:20
 Operator : MD\SY
 Sample : J5764-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-03-110218-J

Quant Time: Nov 06 05:16:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	345393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	610814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	574772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	232276	50.00	ug/l	0.00

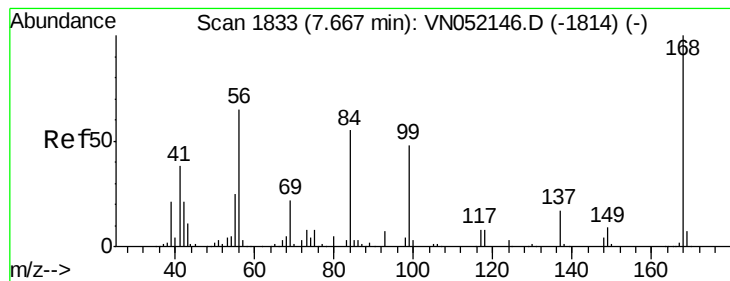
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	258366	63.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.18%	
35) Dibromofluoromethane	7.59	113	230300	60.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.46%	
50) Toluene-d8	10.09	98	901899	61.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.02%	
62) 4-Bromofluorobenzene	12.40	95	292469	60.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.54%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.41	74	405	0.205	ug/l #	1
13) Acrolein	3.62	56	311	33.510	ug/l	90
14) Allyl chloride	4.55	41	23936	4.507	ug/l #	24
16) Acetone	3.82	43	8627	9.297	ug/l	93
18) Methyl Acetate	4.33	43	1605	0.544	ug/l #	86
20) Methylene Chloride	4.55	84	582053	150.965	ug/l	96
29) Tetrahydrofuran	7.22	42	714	0.802	ug/l #	73
30) Chloroform	7.37	83	5957	0.903	ug/l	90
31) Cyclohexane	7.67	56	9020	Below Cal	#	24
36) 1,1-Dichloropropene	7.67	75	27611	5.110	ug/l #	51
37) Ethyl Acetate	6.93	43	112	Below Cal	#	63
38) Carbon Tetrachloride	7.66	117	33796	6.256	ug/l #	18
40) Benzene	8.05	78	11705	0.737	ug/l	91
41) Methacrylonitrile	7.18	41	112	1.453	ug/l #	1
43) Isopropyl Acetate	8.16	43	149634	24.270	ug/l #	89
47) Bromodichloromethane	9.40	83	1975	0.379	ug/l #	84
48) Methyl methacrylate	9.17	41	3845	1.296	ug/l #	17
51) 4-Methyl-2-Pentanone	9.98	43	912	0.280	ug/l #	81
52) Toluene	10.15	92	2043	0.213	ug/l	95
59) 2-Hexanone	10.76	43	9327	4.114	ug/l #	62
68) m/p-Xylenes	11.62	106	1995	0.266	ug/l	96
71) Bromoform	12.38	173	195	2.865	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	150434	41.154	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	150434	147.358	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.04	105	5947	0.420	ug/l	95
90) Hexachloroethane	13.88	117	568	0.236	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.90	180	415	2.357	ug/l #	1
94) Hexachlorobutadiene	15.02	225	29	Below Cal	#	18
95) Naphthalene	15.13	128	67082	9.431	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	401	1.867	ug/l #	46

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

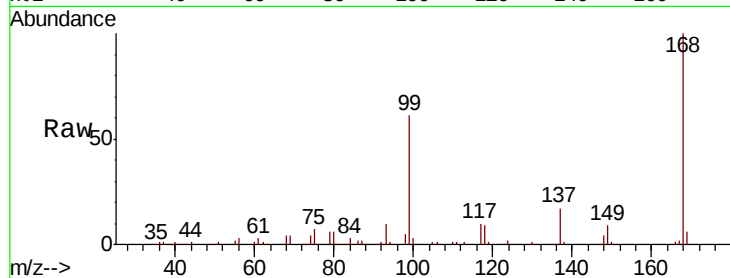
JC-03-110218-J

Tot Ion:168 Resp: 345393

Ion Ratio Lower Upper

168 100

99 61.1 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): VN052146.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052146.D (-1814) (-)

7.67

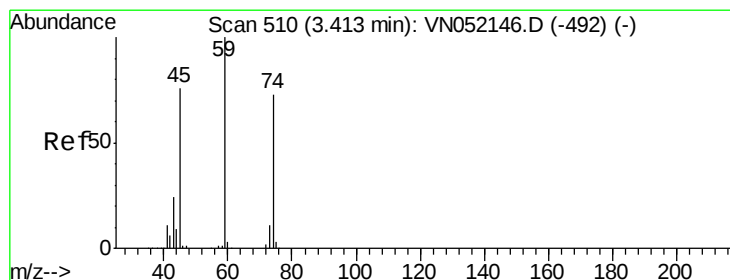
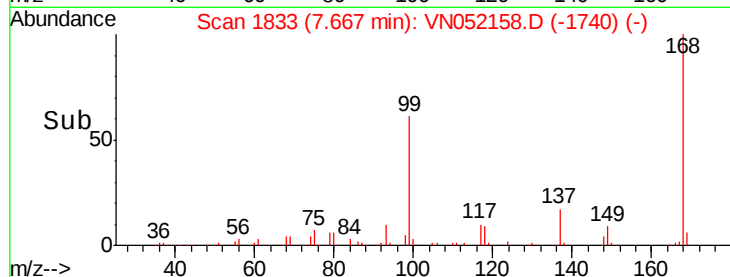
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.205 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN052158.D

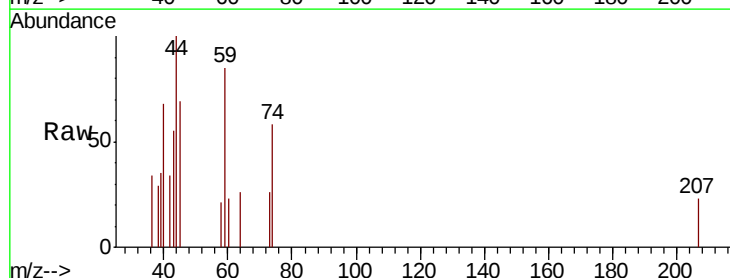
Acq: 5 Nov 2018 20:20

Tgt Ion: 74 Resp: 405

Ion Ratio Lower Upper

74 100

45 335.1 49.1 147.3#



Abundance Ion 74.00 (73.70 to 74.70): VN052146.D (-492) (-)

Ion 45.00 (44.70 to 45.70): VN052146.D (-492) (-)

3.41

600

500

400

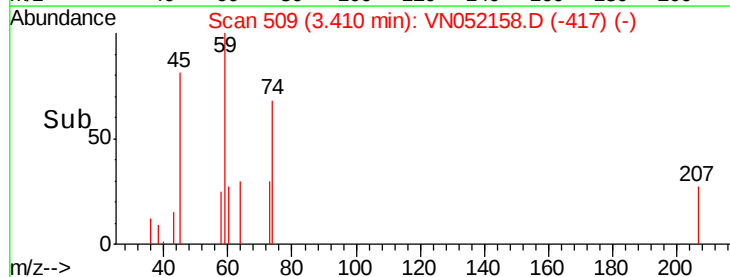
300

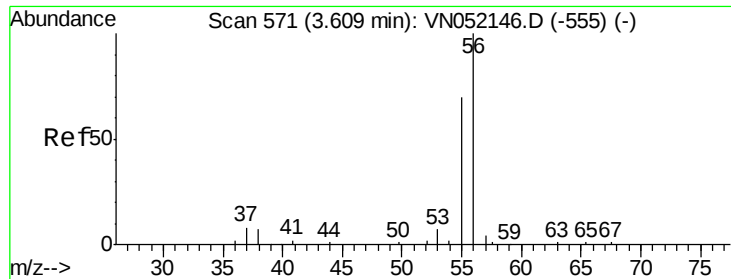
200

100

0

Time-->





#13

Acrolein

Concen: 33.510 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

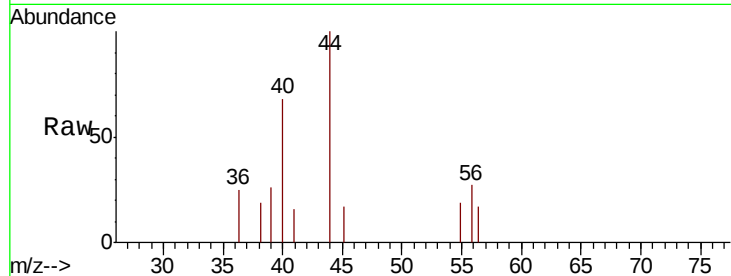
JC-03-110218-J

Tot Ion: 56 Resp: 311

Ion Ratio Lower Upper

56 100

55 62.4 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.62

400

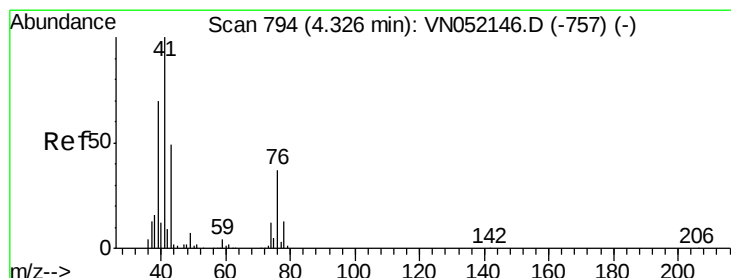
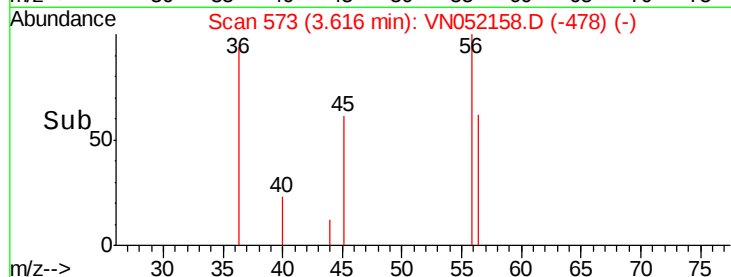
300

200

100

0

Time-->



#14

Allyl chloride

Concen: 4.507 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.23 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

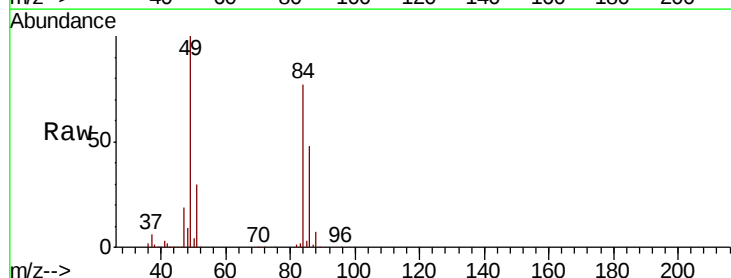
Tgt Ion: 41 Resp: 23936

Ion Ratio Lower Upper

41 100

39 0.6 55.3 82.9#

76 0.0 27.8 41.8#



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

10000

8000

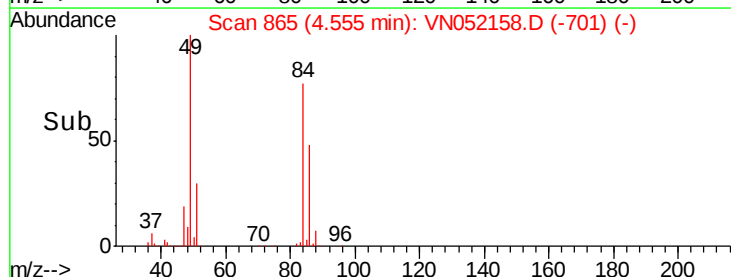
6000

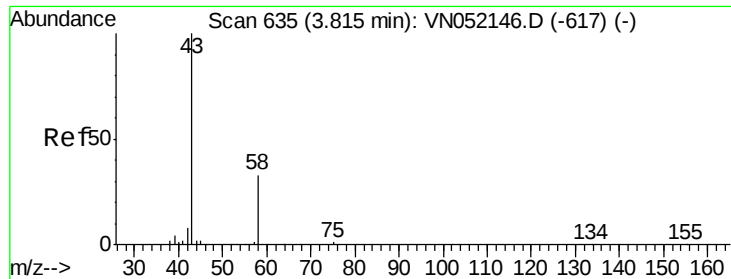
4000

2000

0

Time-->





#16

Acetone

Concen: 9.297 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

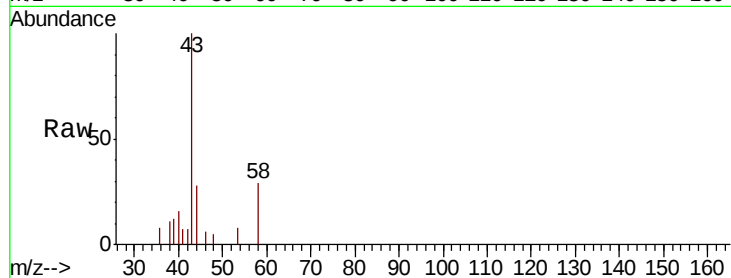
JC-03-110218-J

Tot Ion: 43 Resp: 8627

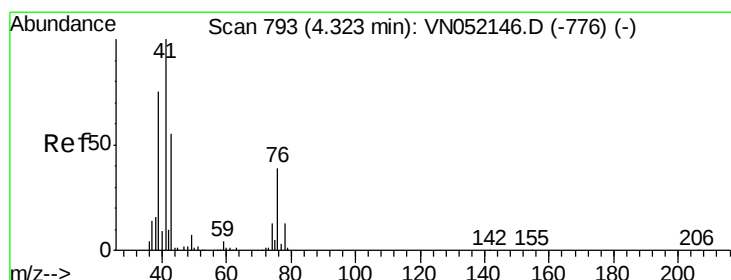
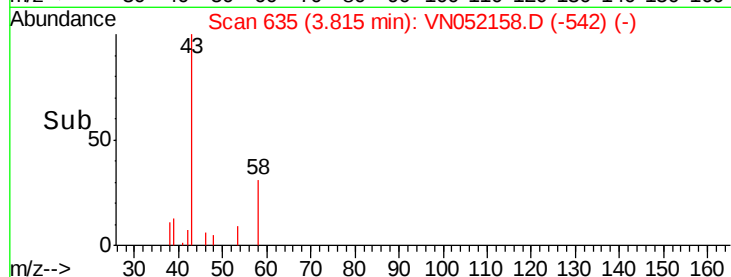
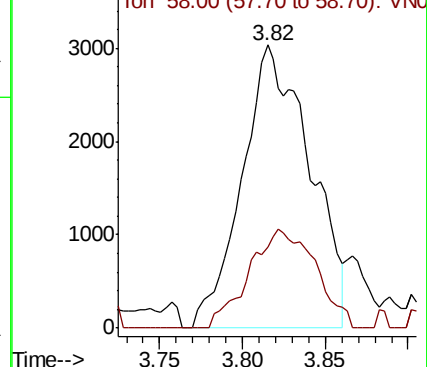
Ion Ratio Lower Upper

43 100

58 28.8 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VN052158.D (-542) (-)



#18

Methyl Acetate

Concen: 0.544 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN052158.D

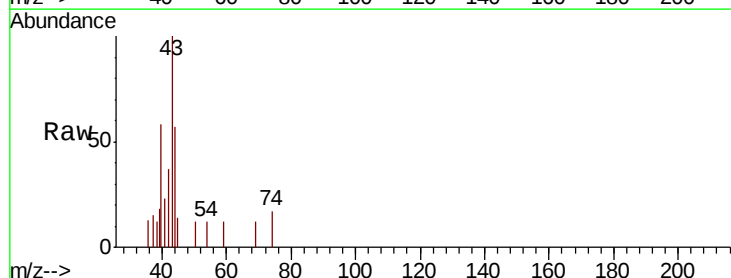
Acq: 5 Nov 2018 20:20

Tgt Ion: 43 Resp: 1605

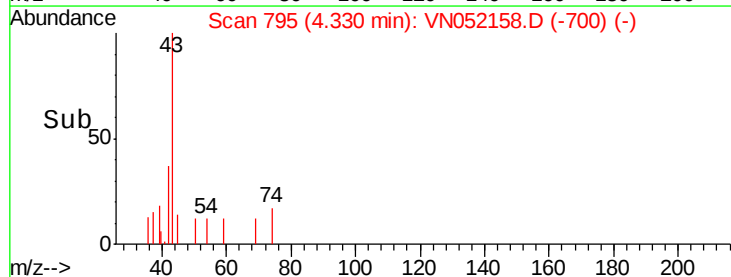
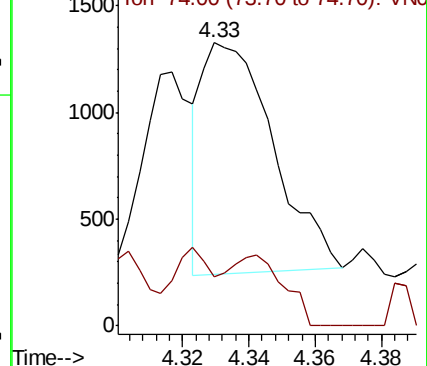
Ion Ratio Lower Upper

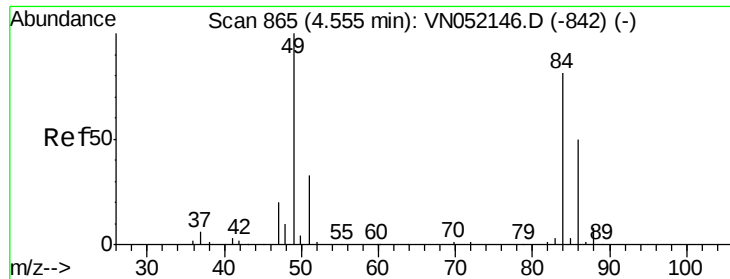
43 100

74 17.2 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN052158.D (-700) (-)

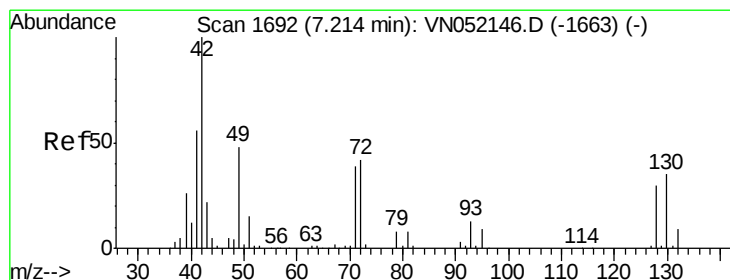
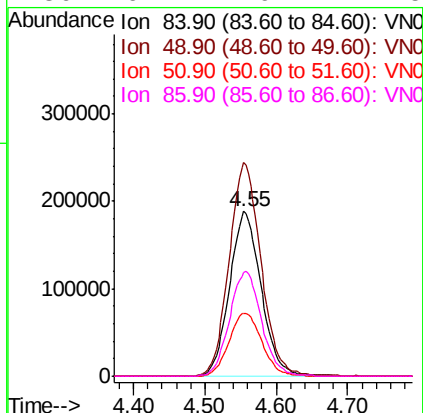
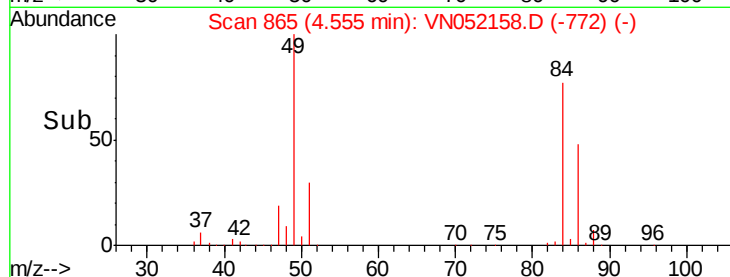
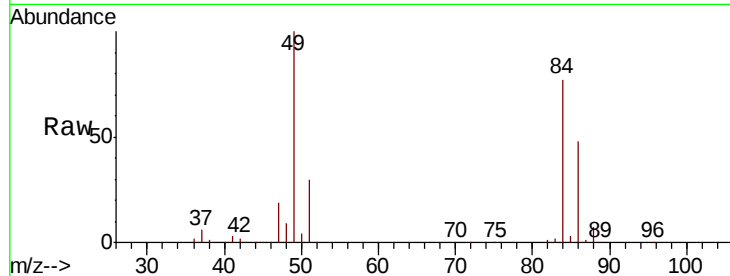




#20
Methvlene Chloride
Concen: 150.965 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052158.D
Acq: 5 Nov 2018 20:20

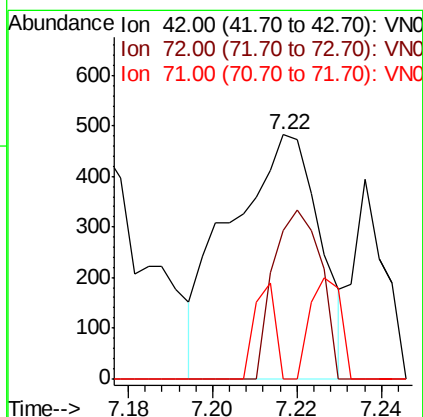
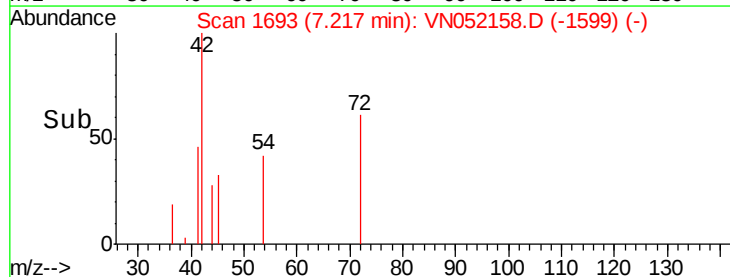
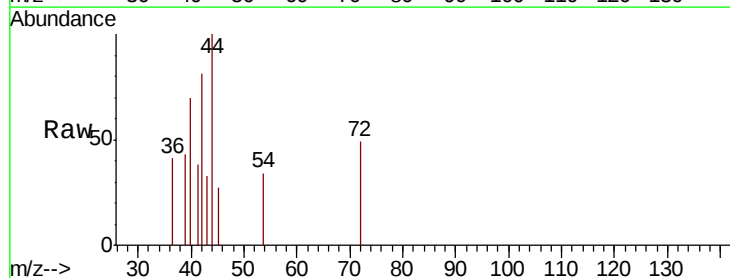
Instrument :
MSVOA_N
ClientSampleId :
JC-03-110218-J

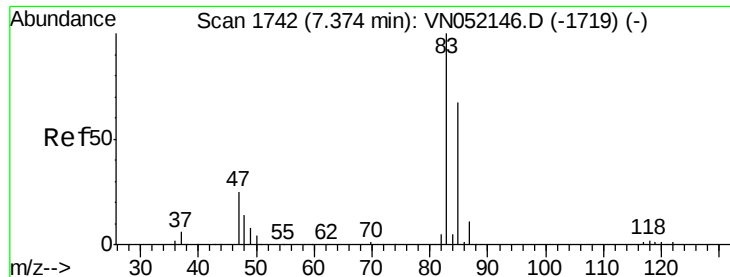
Tot Ion:	84	Resp:	582053
Ion	Ratio	Lower	Upper
84	100		
49	129.5	98.4	147.6
51	38.3	32.5	48.7
86	62.7	49.7	74.5



#29
Tetrahydrofuran
Concen: 0.802 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN052158.D
Acq: 5 Nov 2018 20:20

Tgt Ion:	42	Resp:	714
Ion	Ratio	Lower	Upper
42	100		
72	36.4	32.3	48.5
71	9.2	31.0	46.6#

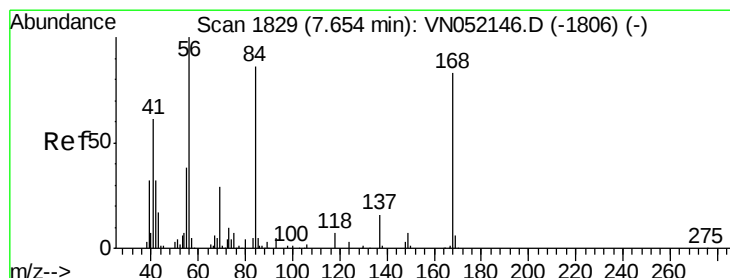
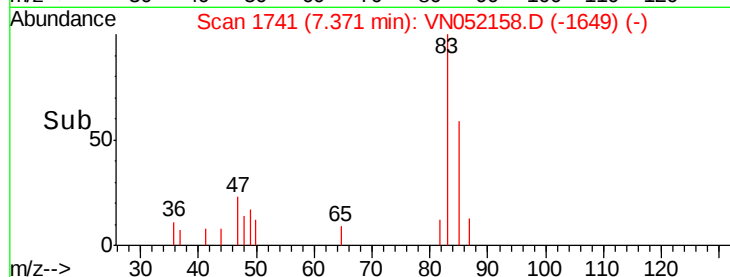
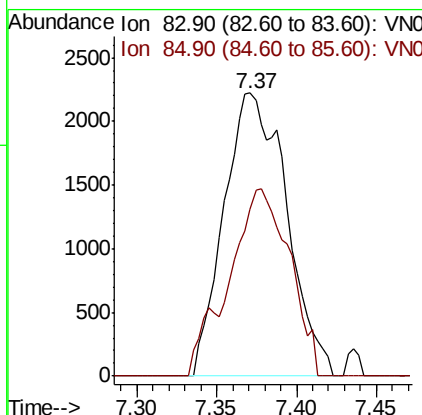
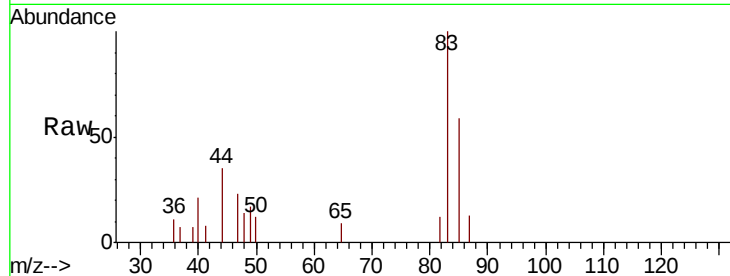




#30
Chloroform
Concen: 0.903 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052158.D
Acq: 5 Nov 2018 20:20

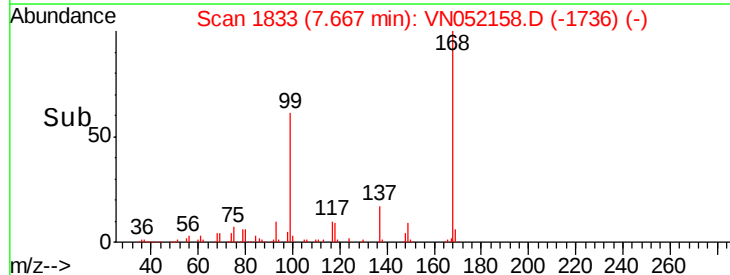
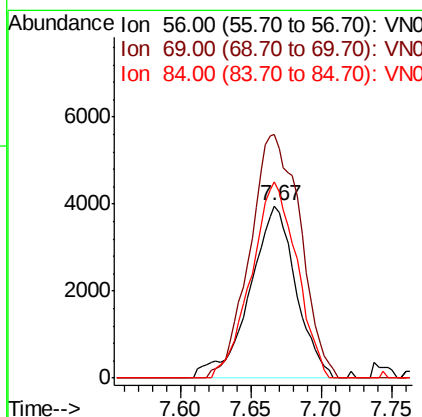
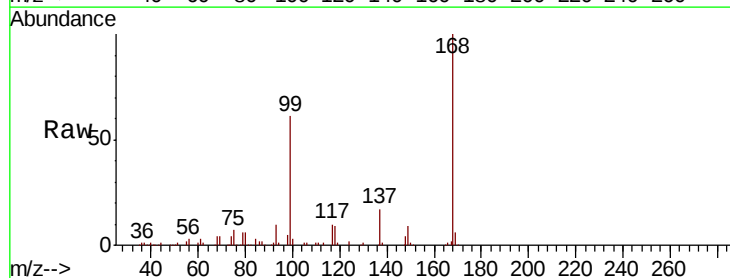
Instrument :
MSVOA_N
ClientSampleId :
JC-03-110218-J

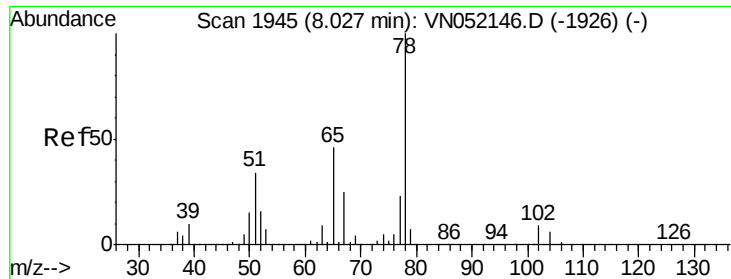
Tot Ion: 83 Resp: 5957
Ion Ratio Lower Upper
83 100
85 58.7 53.7 80.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052158.D
Acq: 5 Nov 2018 20:20

Tgt Ion: 56 Resp: 9020
Ion Ratio Lower Upper
56 100
69 141.1 23.5 35.3#
84 113.9 68.7 103.1#

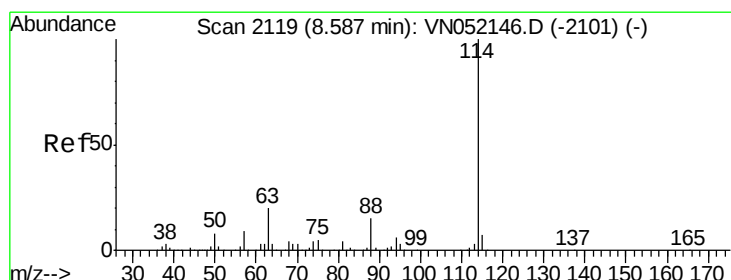
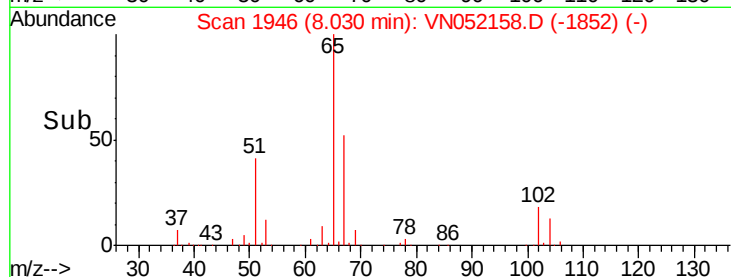
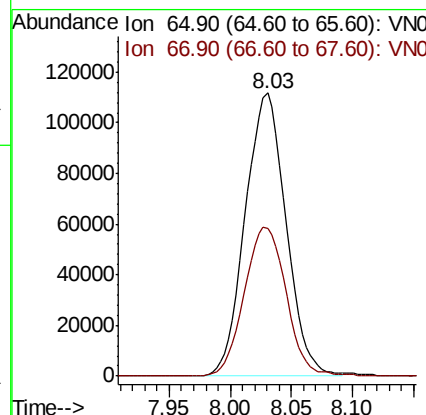
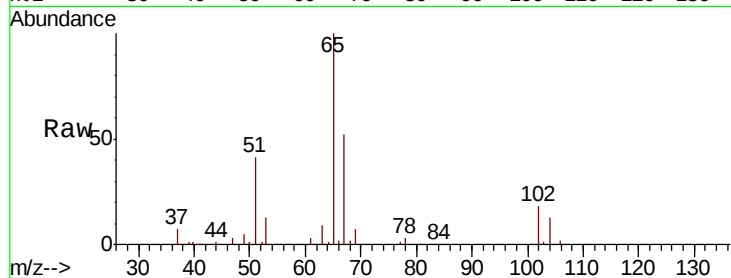




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052158.D
 Acq: 5 Nov 2018 20:20

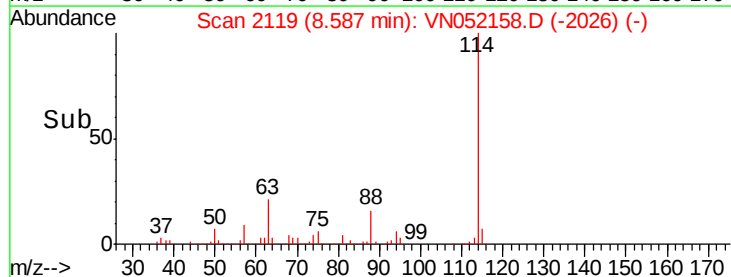
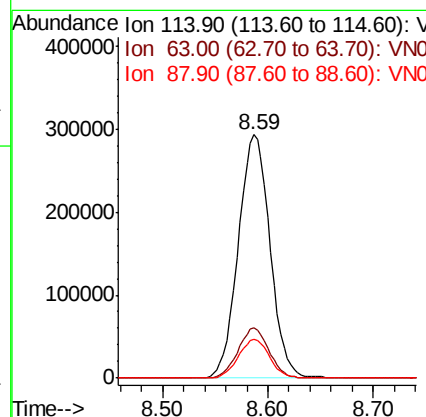
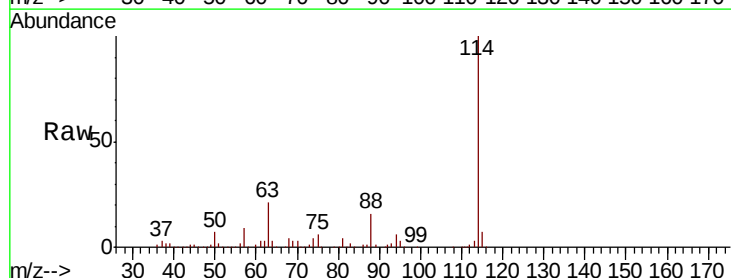
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 JC-03-110218-J

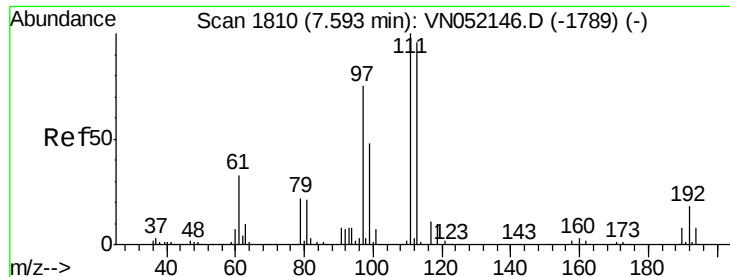
Tot Ion: 65 Resp: 258366
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052158.D
 Acq: 5 Nov 2018 20:20

Tgt Ion: 114 Resp: 610814
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.0
 88 15.7 0.0 31.0

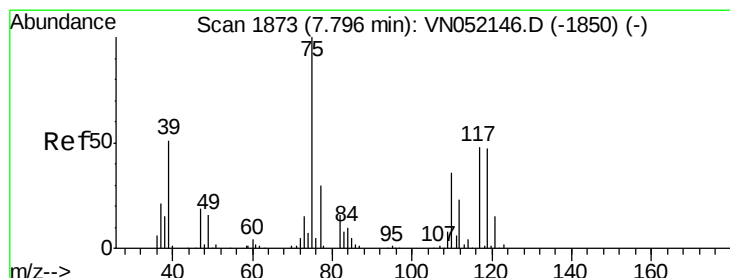
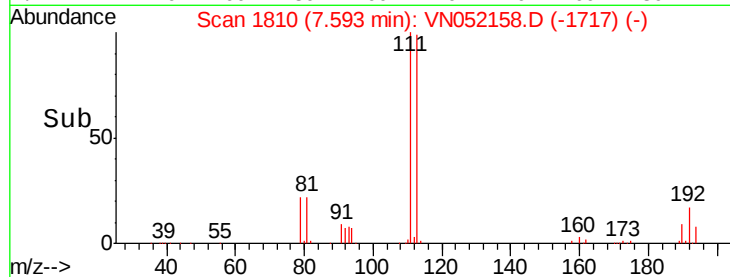
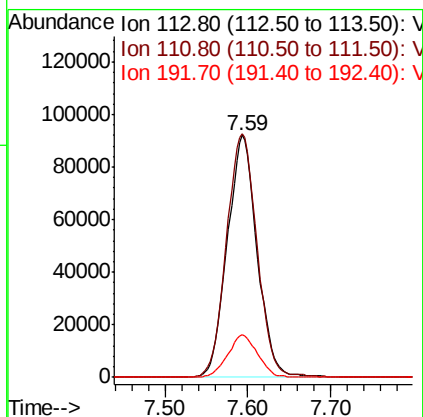
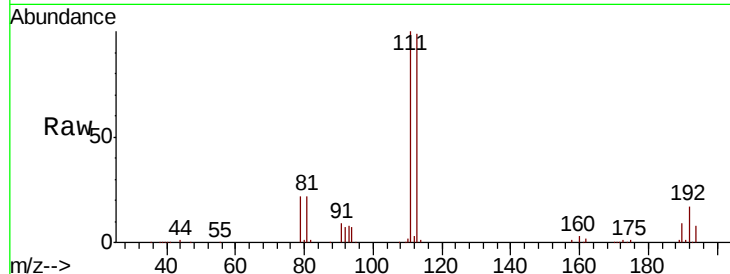




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052158.D
 Acq: 5 Nov 2018 20:20

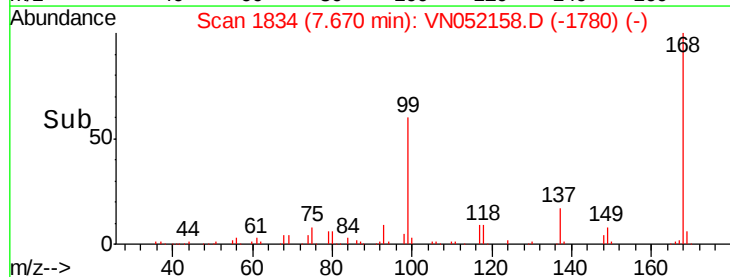
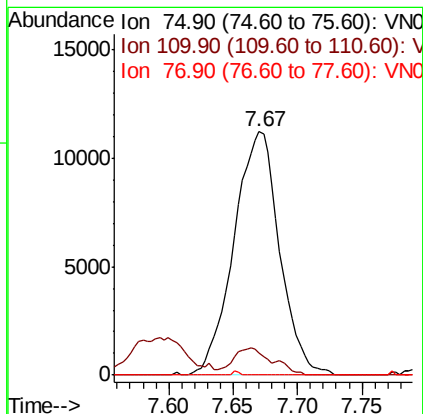
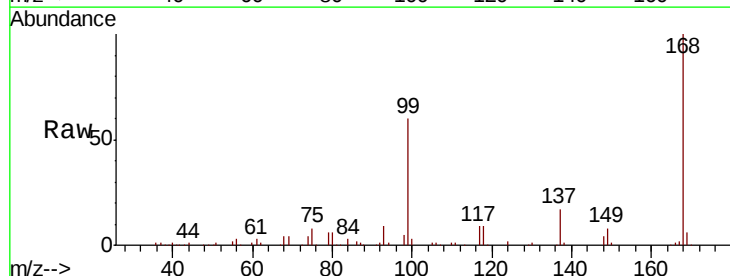
Instrument :
 MSVOA_N
 ClientSampleId :
 JC-03-110218-J

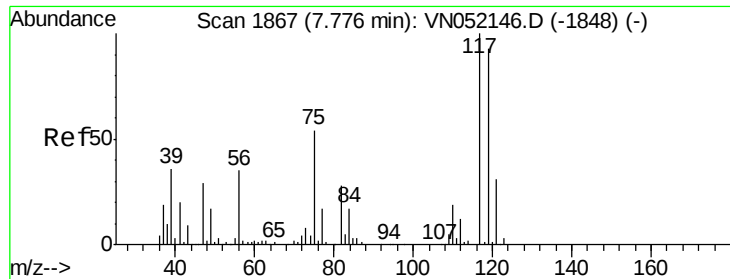
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.7	122.5
192	17.6	14.2	21.4



#36
 1,1-Dichloropropene
 Concen: 5.110 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.13 min
 Lab File: VN052158.D
 Acq: 5 Nov 2018 20:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.8	53.5#
77	0.0	24.0	36.0#

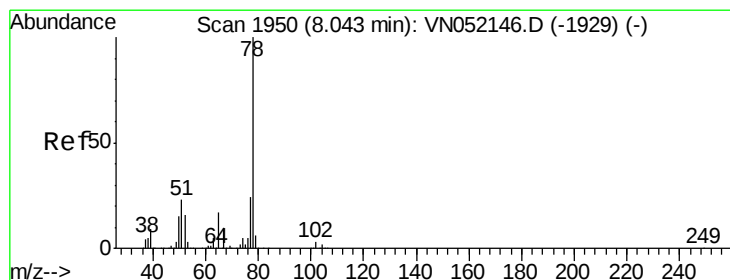
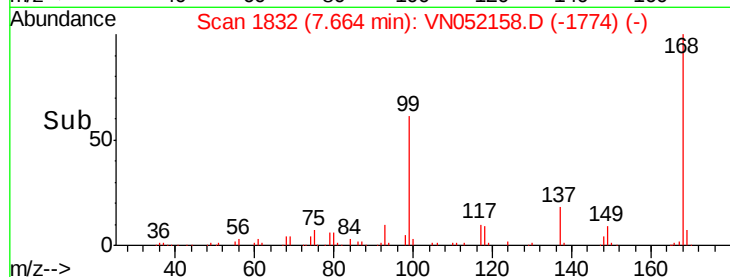
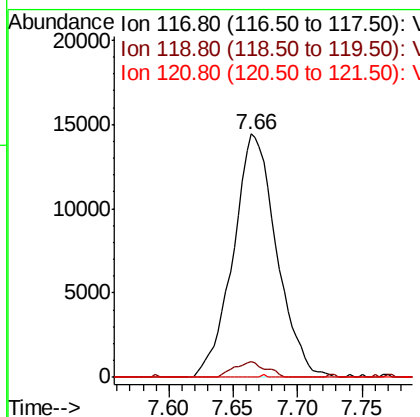
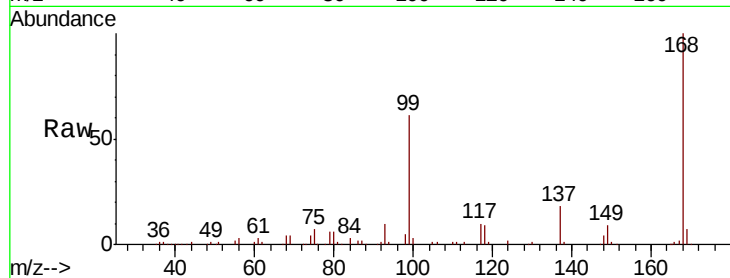




#38
Carbon Tetrachloride
Concen: 6.256 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN052158.D
Acq: 5 Nov 2018 20:20

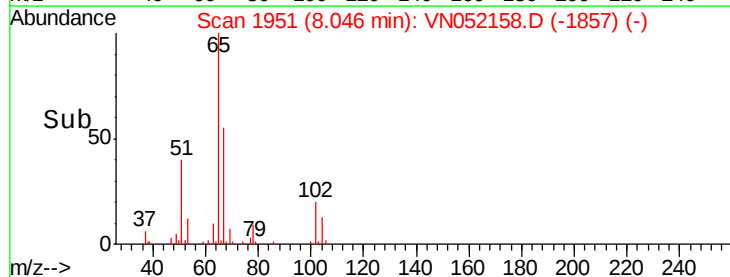
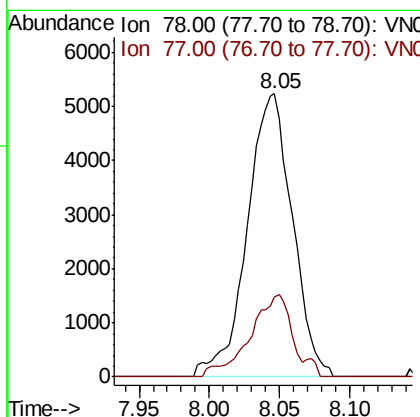
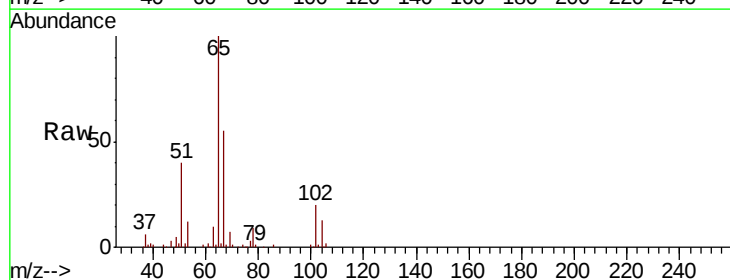
Instrument :
MSVOA_N
ClientSampled :
JC-03-110218-J

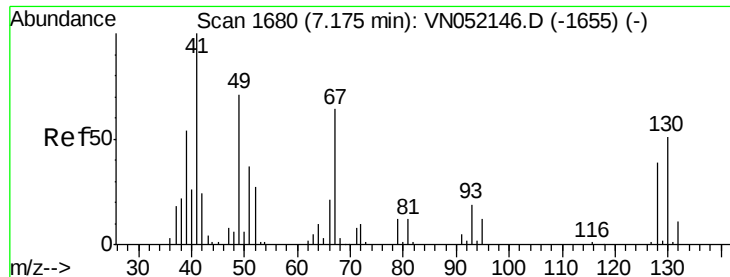
Tot Ion:117 Resp: 33796
Ion Ratio Lower Upper
117 100
119 6.4 74.7 112.1#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 0.737 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN052158.D
Acq: 5 Nov 2018 20:20

Tgt Ion: 78 Resp: 11705
Ion Ratio Lower Upper
78 100
77 28.2 19.1 28.7

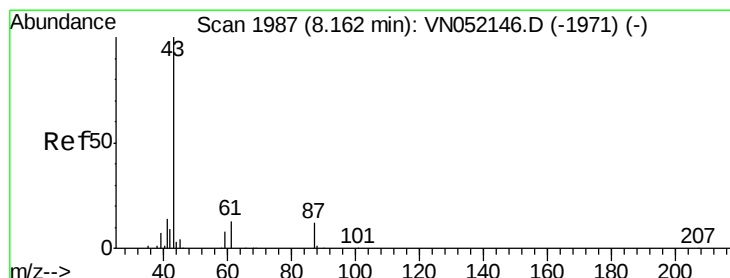
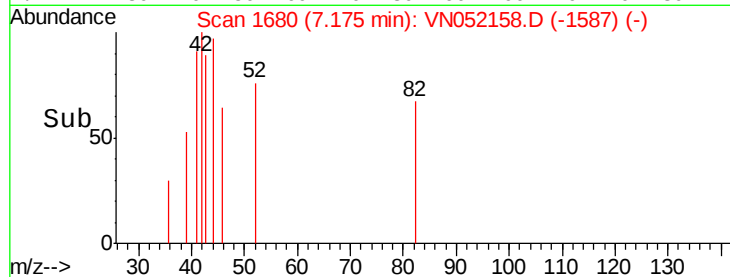
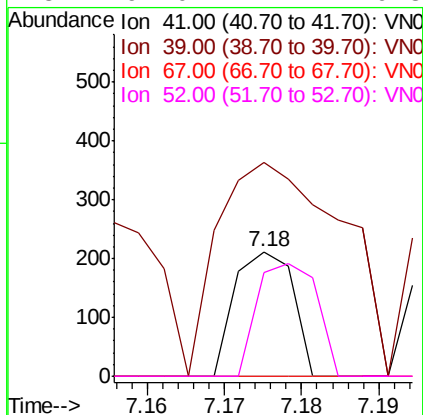
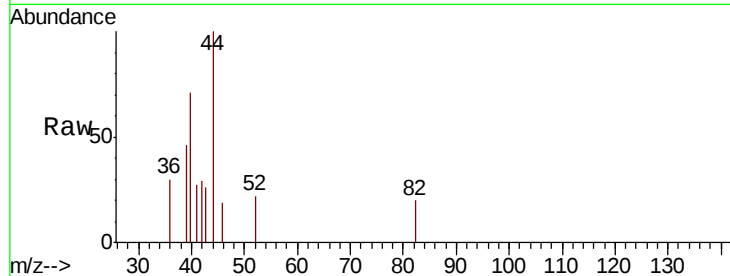




#41
Methacrylonitrile
Concen: 1.453 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052158.D
Acq: 5 Nov 2018 20:20

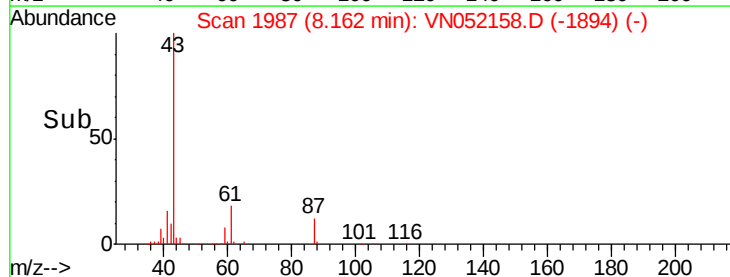
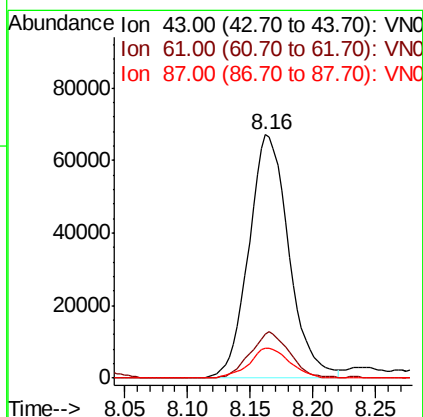
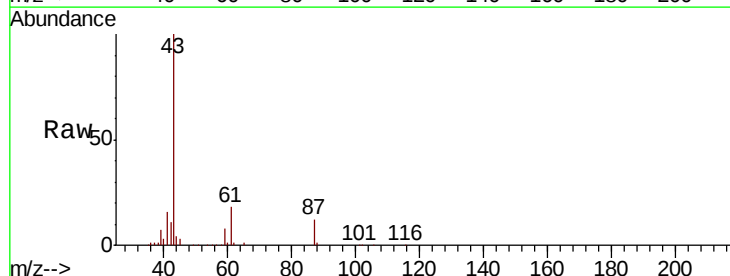
Instrument :
MSVOA_N
ClientSampled :
JC-03-110218-J

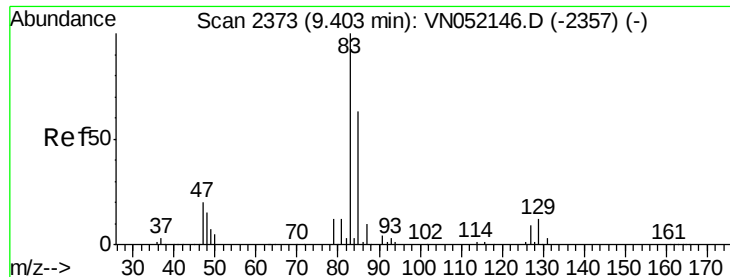
Tot Ion: 41 Resp: 112
Ion Ratio Lower Upper
41 100
39 359.8 49.6 74.4#
67 0.0 65.4 98.2#
52 92.0 27.2 40.8#



#43
Isopropyl Acetate
Concen: 24.270 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052158.D
Acq: 5 Nov 2018 20:20

Tgt Ion: 43 Resp: 149634
Ion Ratio Lower Upper
43 100
61 18.6 21.5 32.3#
87 12.4 10.2 15.2





#47

Bromodichloromethane

Concen: 0.379 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

JC-03-110218-J

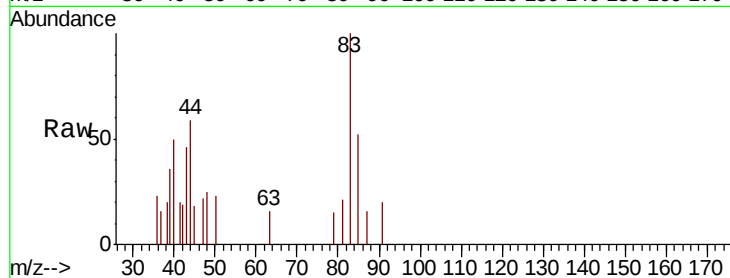
Tot Ion: 83 Resp: 1975

Ion Ratio Lower Upper

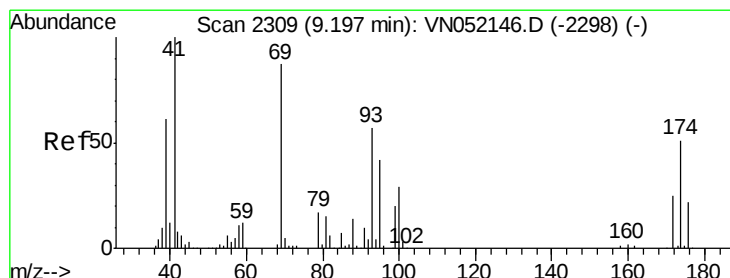
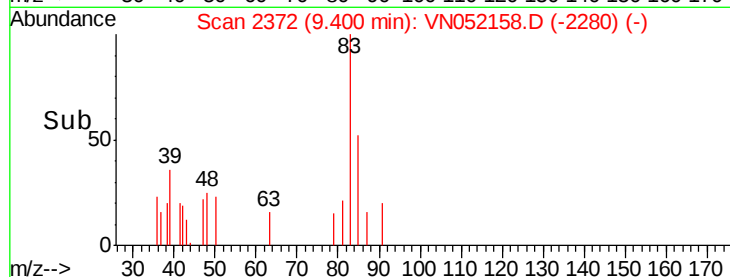
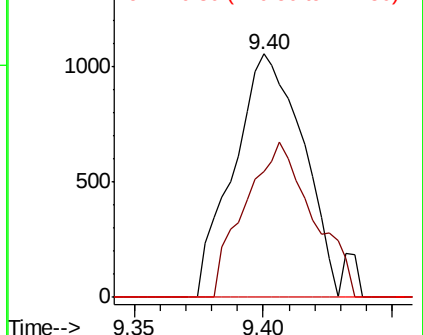
83 100

85 51.5 50.5 75.7

127 0.0 7.2 10.8#



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: 1.296 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.03 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

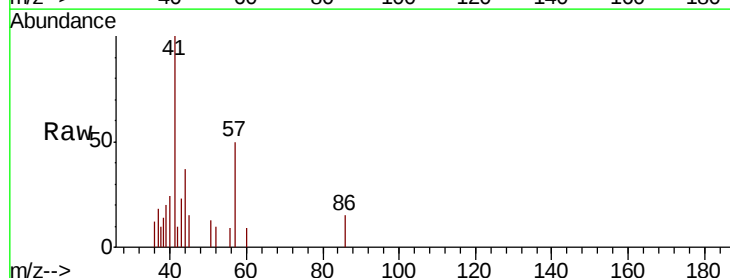
Tgt Ion: 41 Resp: 3845

Ion Ratio Lower Upper

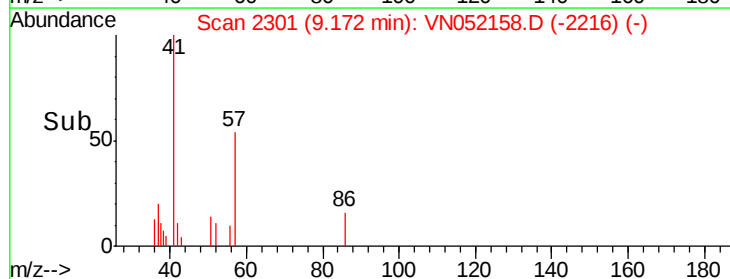
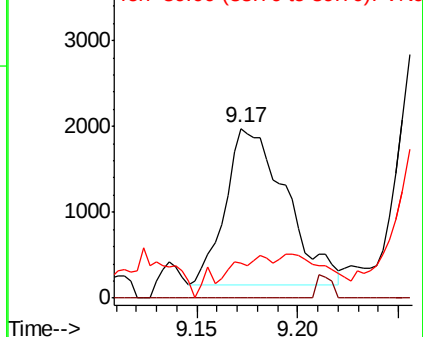
41 100

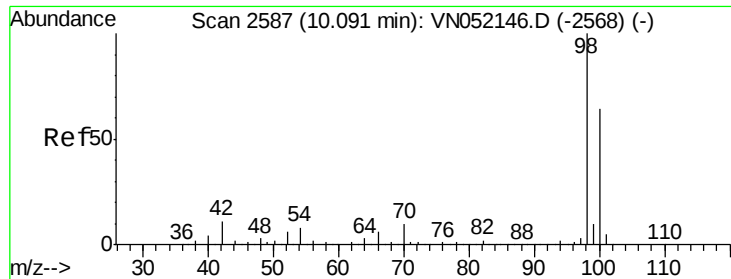
69 0.0 69.7 104.5#

39 10.2 50.6 76.0#



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: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

Instrument :

MSVOA_N

ClientSampled :

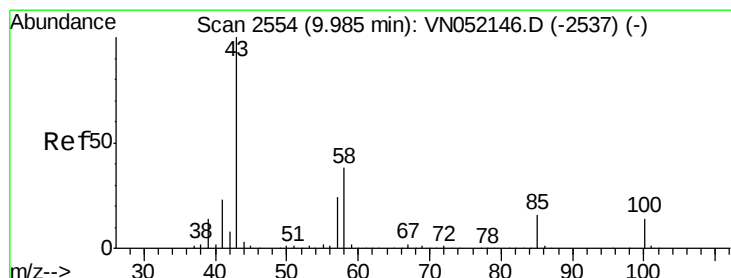
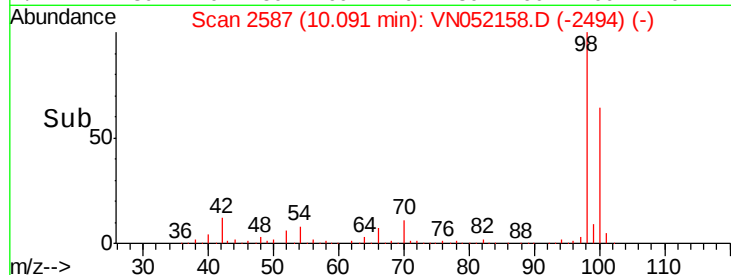
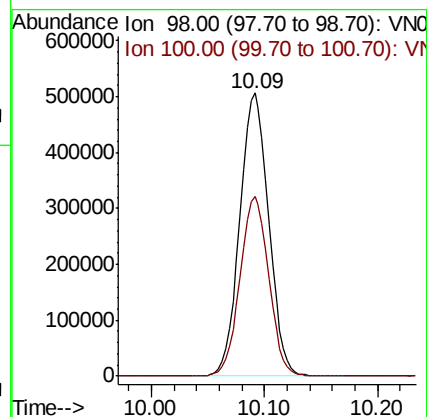
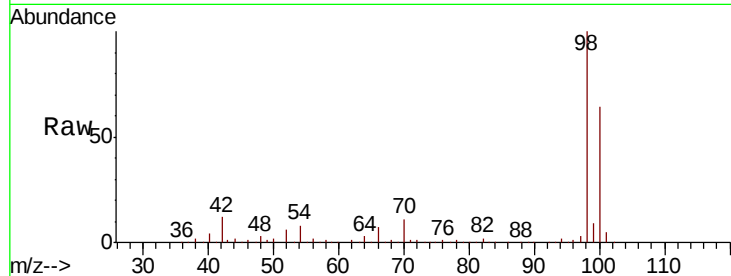
JC-03-110218-J

Tot Ion: 98 Resp: 901899

Ion Ratio Lower Upper

98 100

100 63.3 50.5 75.7



#51

4-Methyl-2-Pentanone

Concen: 0.280 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052158.D

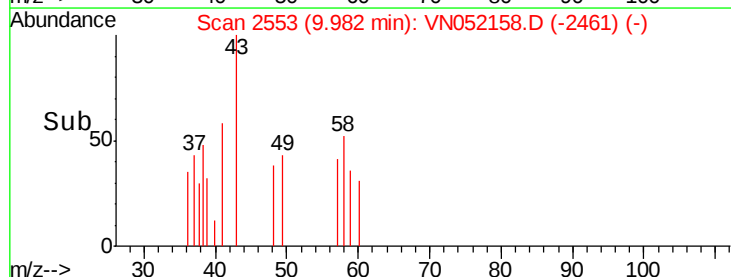
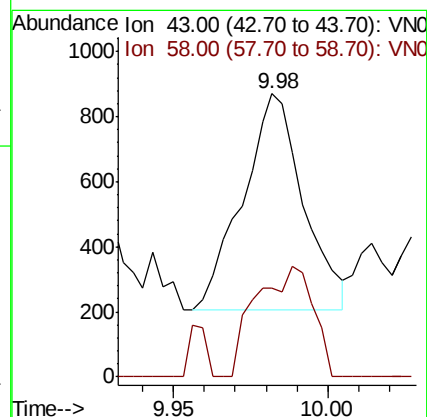
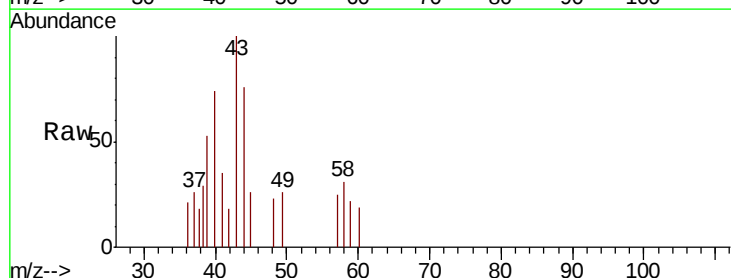
Acq: 5 Nov 2018 20:20

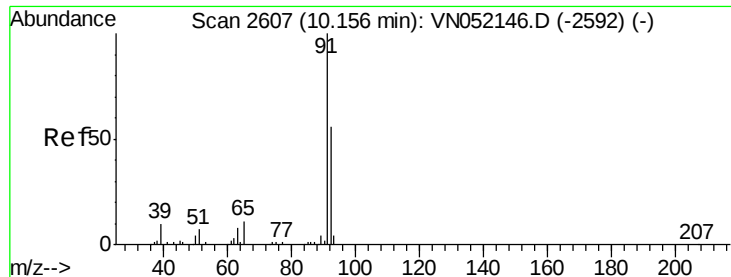
Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

58 48.1 29.6 44.4#





#52

Toluene

Concen: 0.213 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.01 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

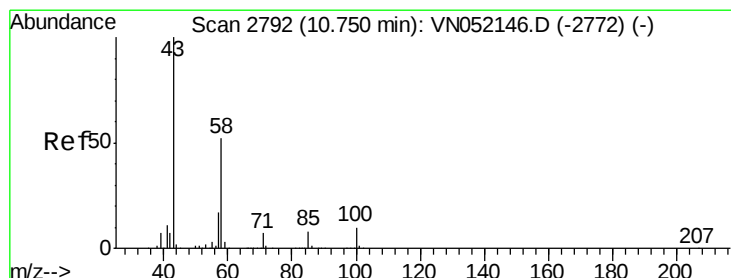
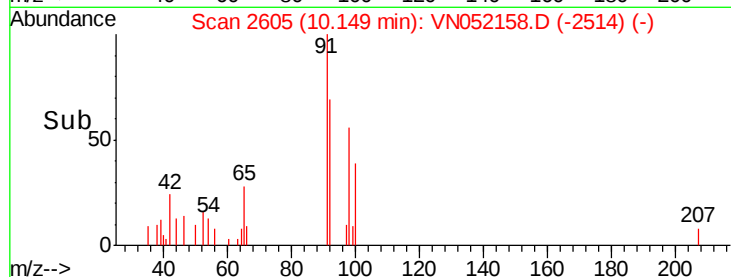
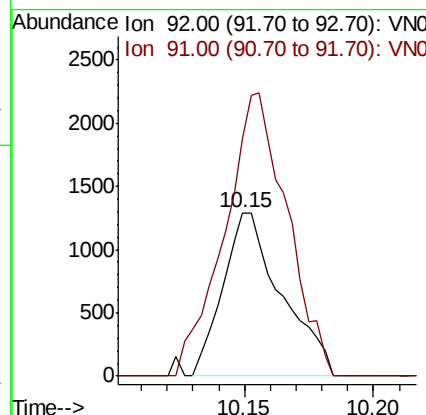
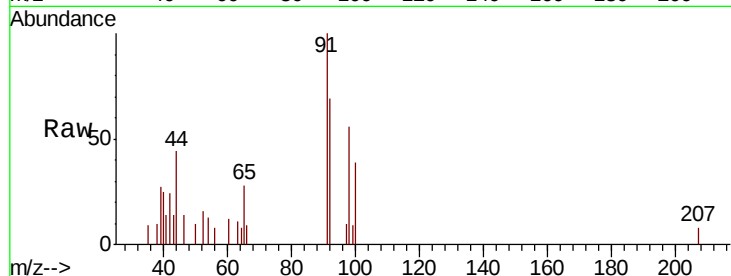
JC-03-110218-J

Tot Ion: 92 Resp: 2043

Ion Ratio Lower Upper

92 100

91 185.0 142.5 213.7



#59

2-Hexanone

Concen: 4.114 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052158.D

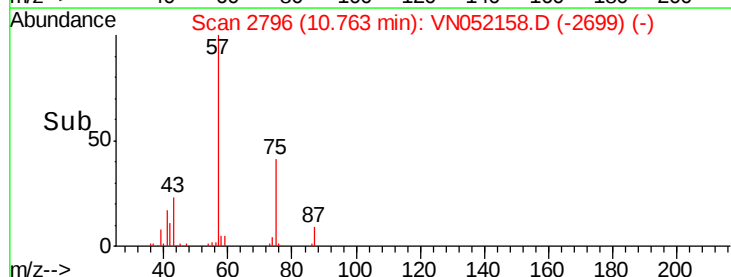
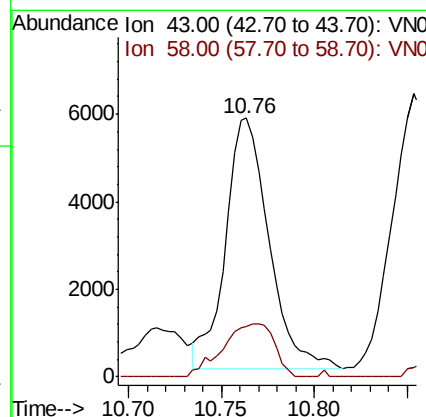
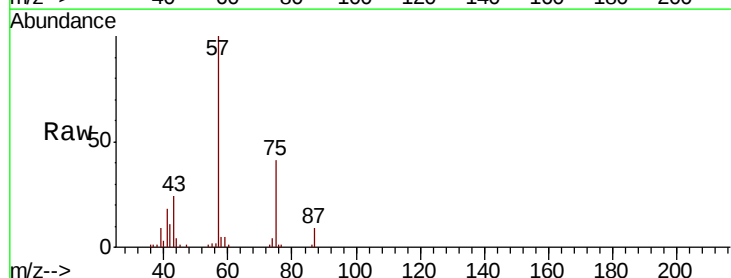
Acq: 5 Nov 2018 20:20

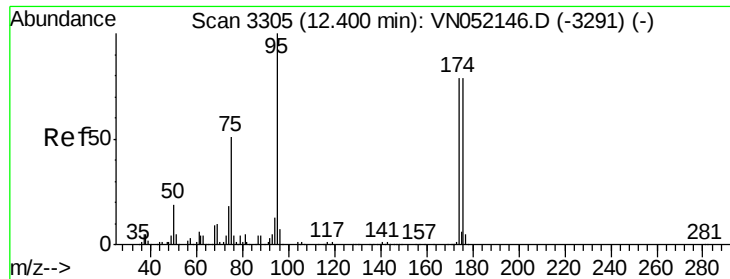
Tgt Ion: 43 Resp: 9327

Ion Ratio Lower Upper

43 100

58 25.2 25.8 77.4#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

JC-03-110218-J

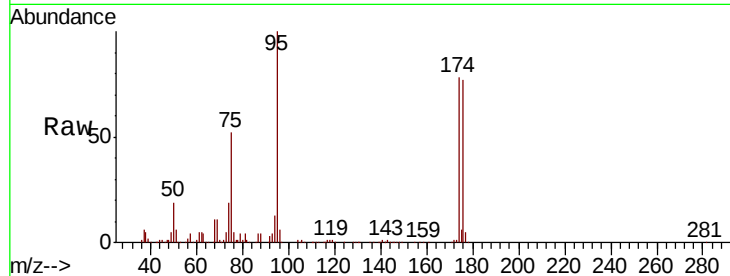
Tot Ion: 95 Resp: 292469

Ion Ratio Lower Upper

95 100

174 77.9 0.0 162.6

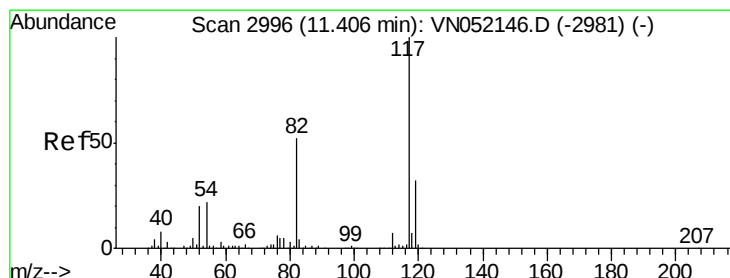
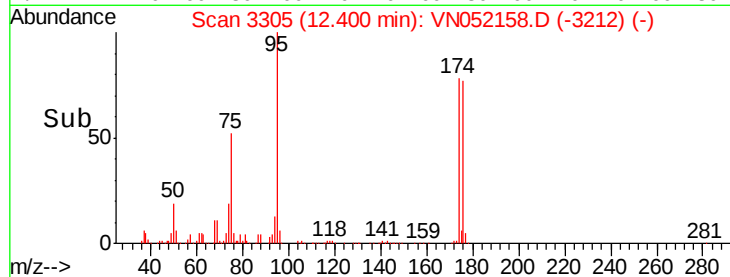
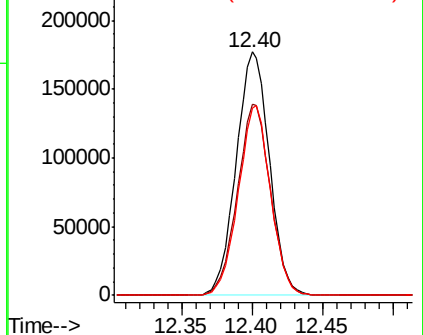
176 75.5 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VN052158.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN052158.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN052158.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

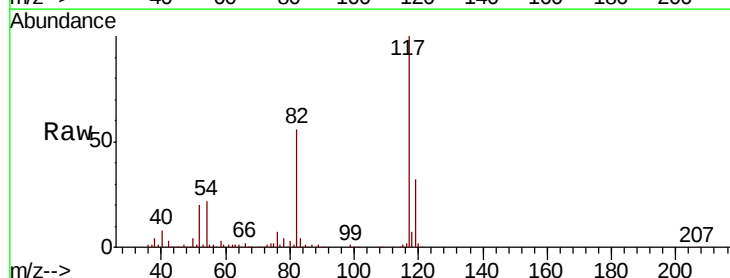
Tgt Ion: 117 Resp: 574772

Ion Ratio Lower Upper

117 100

82 55.6 41.9 62.9

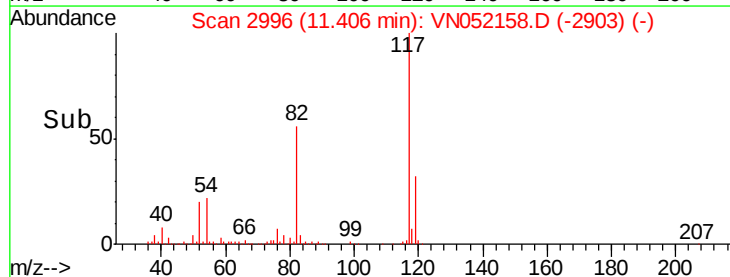
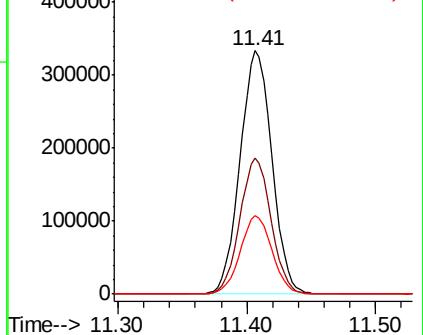
119 32.1 25.7 38.5

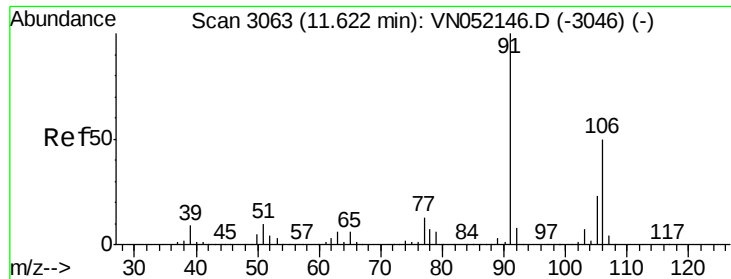


Abundance Ion 116.90 (116.60 to 117.60): VN052158.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052158.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052158.D (-2903) (-)

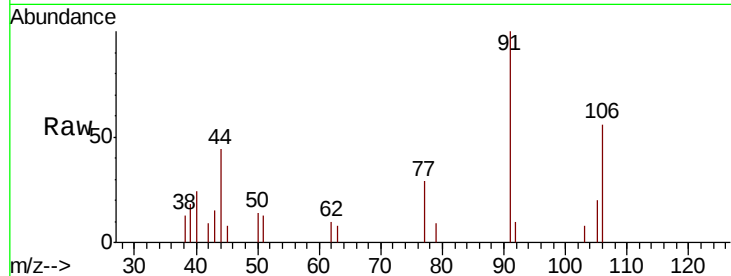




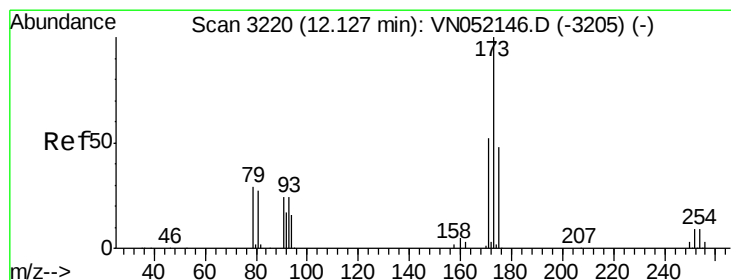
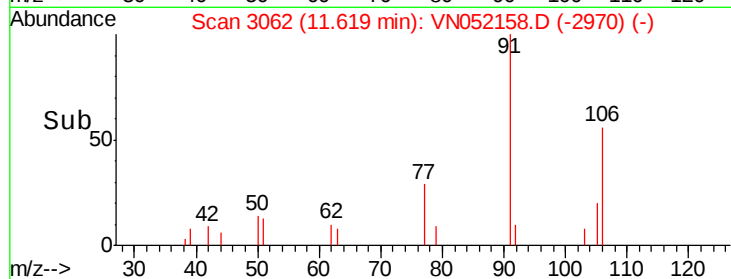
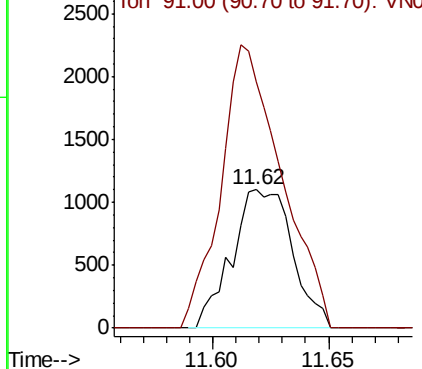
#68
m/p-Xvlenes
Concen: 0.266 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052158.D
Acq: 5 Nov 2018 20:20

Instrument :
MSVOA_N
ClientSampleId :
JC-03-110218-J

Tot Ion:106 Resp: 1995
Ion Ratio Lower Upper
106 100
91 204.4 158.2 237.4

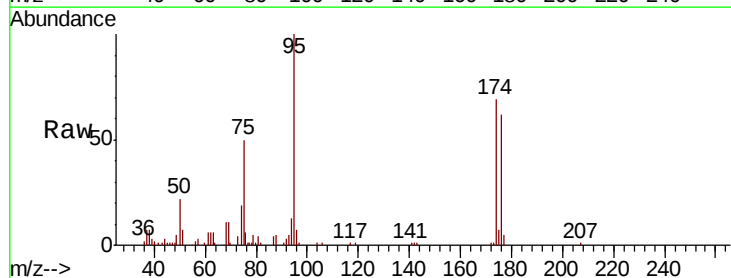


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

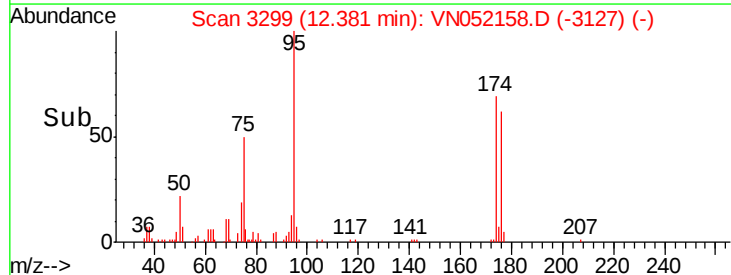
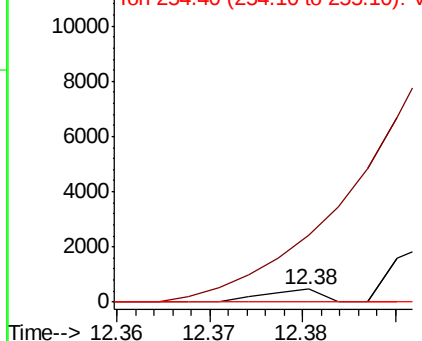


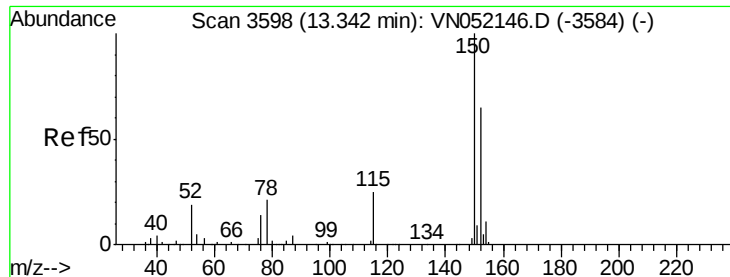
#71
Bromoform
Concen: 2.865 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.25 min
Lab File: VN052158.D
Acq: 5 Nov 2018 20:20

Tgt Ion:173 Resp: 195
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

JC-03-110218-J

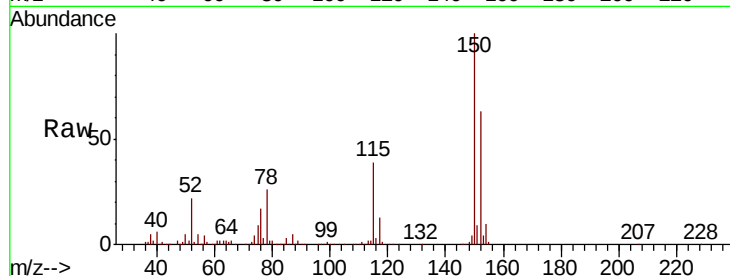
Tot Ion:152 Resp: 232276

Ion Ratio Lower Upper

152 100

115 59.8 28.5 85.5

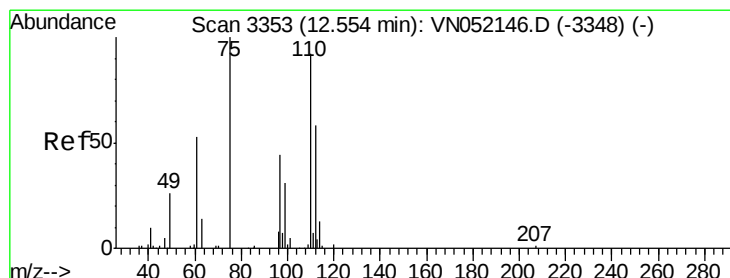
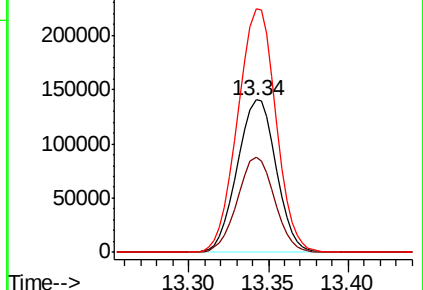
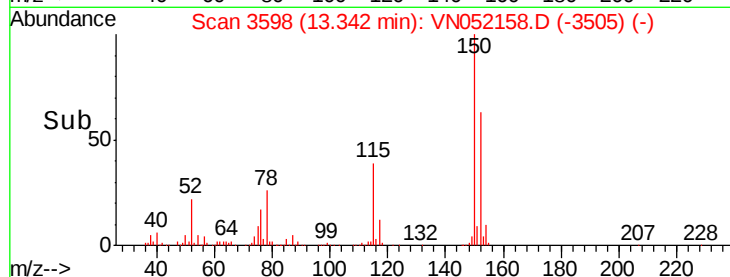
150 157.5 0.0 348.6



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: 41.154 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052158.D

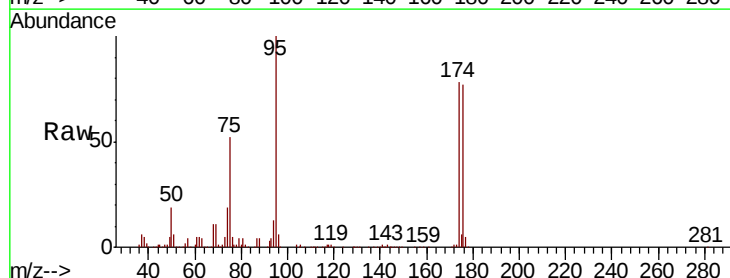
Acq: 5 Nov 2018 20:20

Tgt Ion: 75 Resp: 150434

Ion Ratio Lower Upper

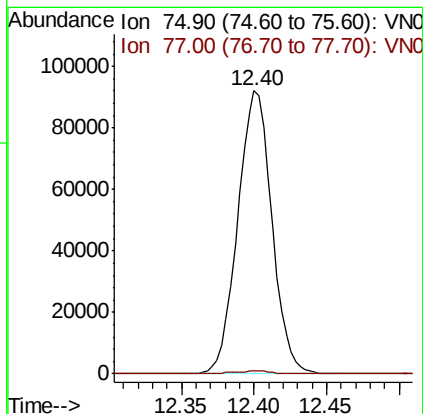
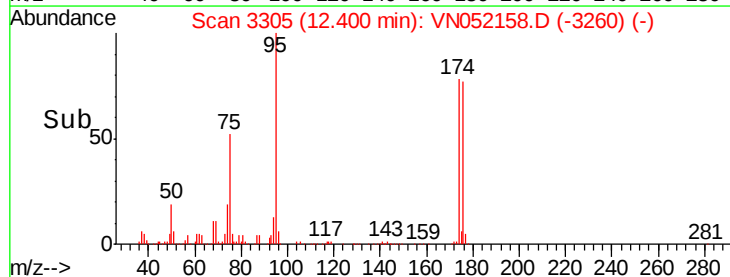
75 100

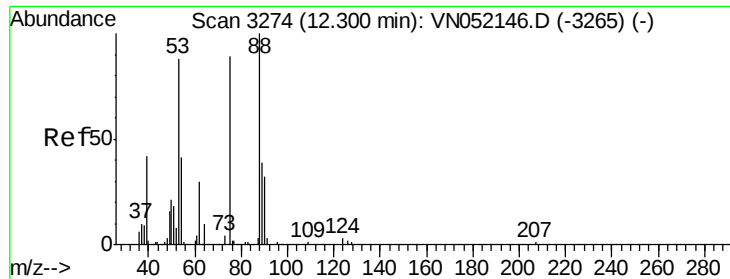
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 147.358 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

JC-03-110218-J

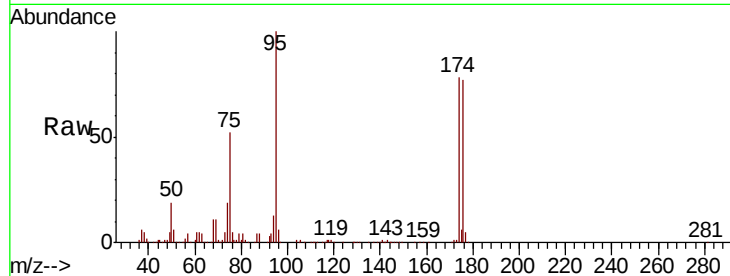
Tot Ion: 75 Resp: 150434

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.0#

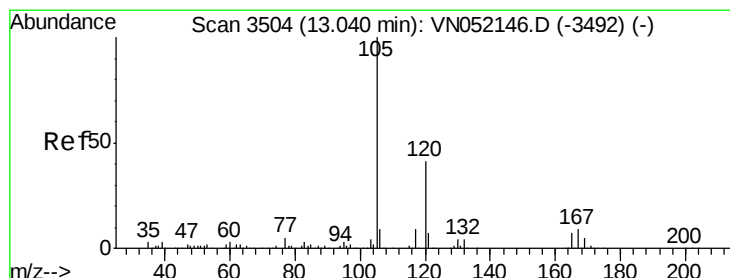
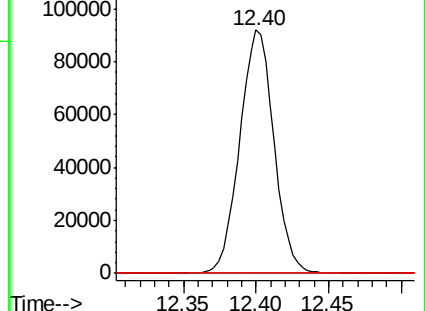
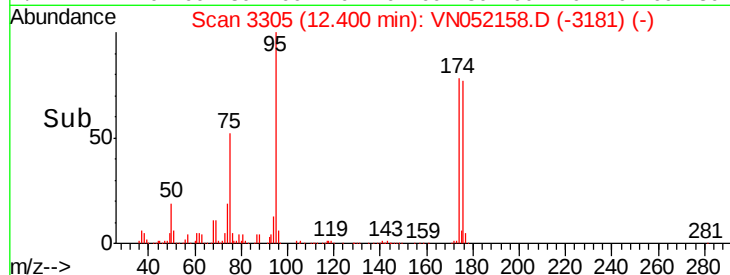
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN052158.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052158.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052158.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.420 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN052158.D

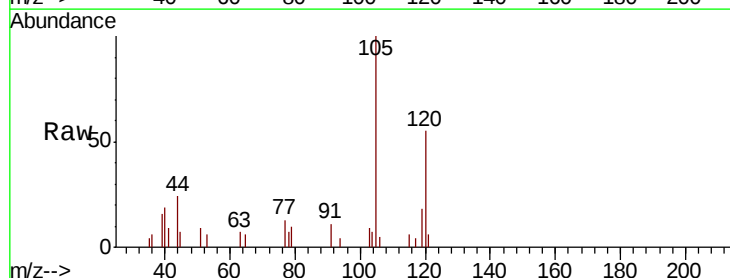
Acq: 5 Nov 2018 20:20

Tgt Ion: 105 Resp: 5947

Ion Ratio Lower Upper

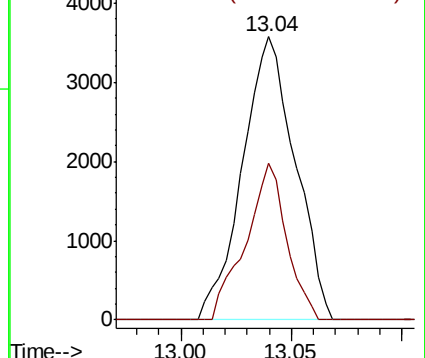
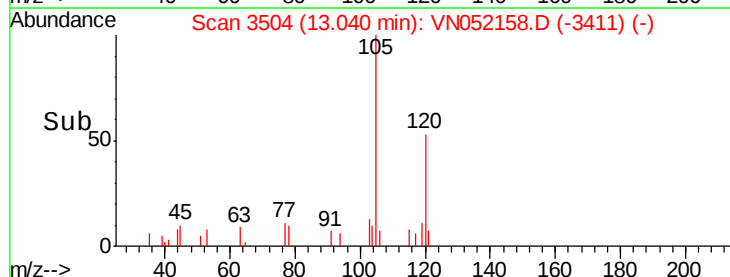
105 100

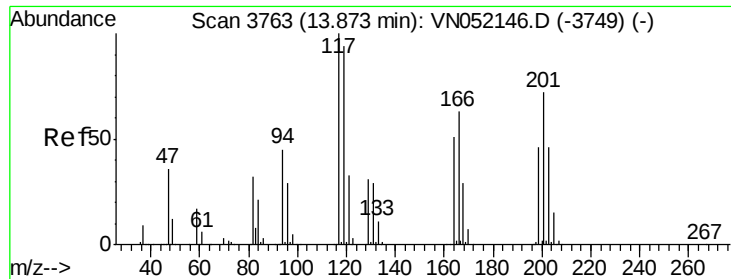
120 42.8 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): VN052158.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN052158.D (-3411) (-)





#90

Hexachloroethane

Concen: 0.236 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.01 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

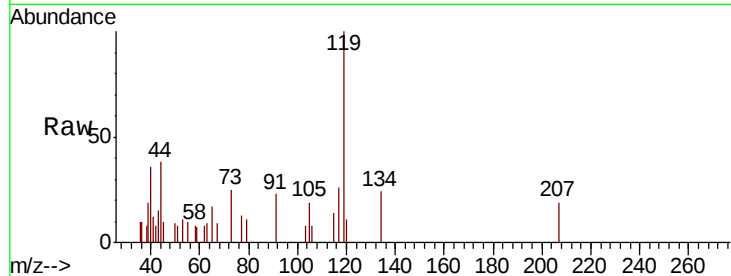
JC-03-110218-J

Tot Ion:117 Resp: 568

Ion Ratio Lower Upper

117 100

201 0.0 36.8 110.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.88

600

500

400

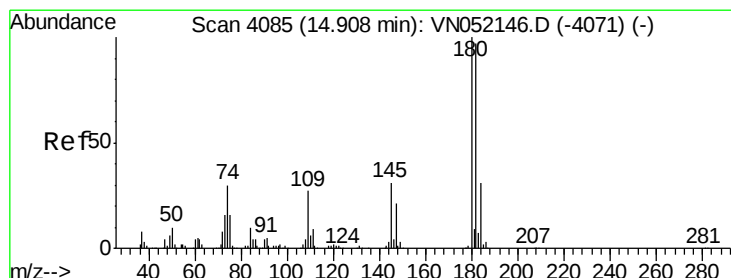
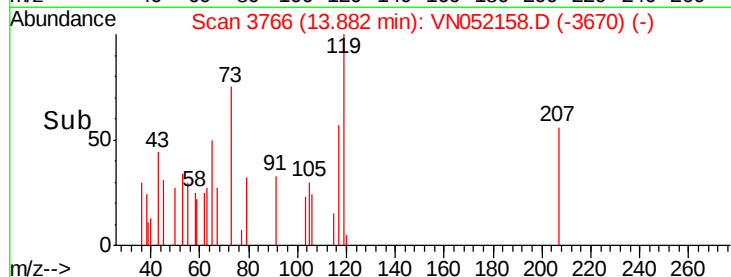
300

200

100

0

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 2.357 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.01 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

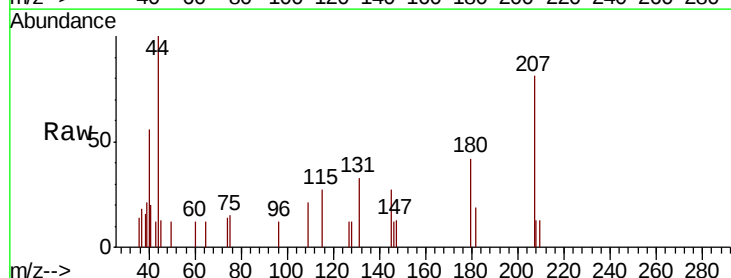
Tgt Ion:180 Resp: 415

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.4#

145 100.5 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.90

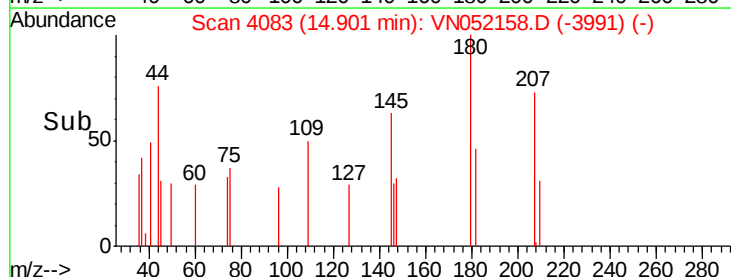
600

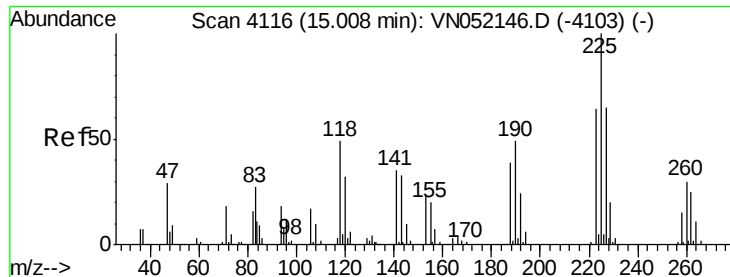
400

200

0

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

JC-03-110218-J

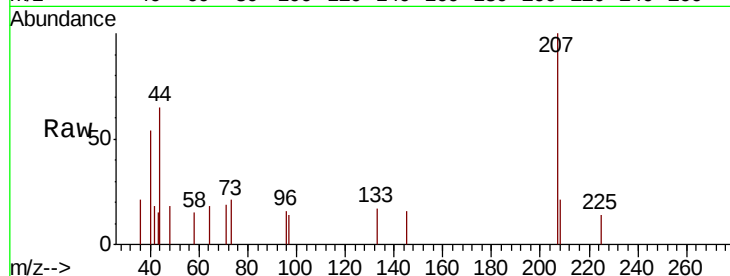
Tot Ion:225 Resp: 29

Ion Ratio Lower Upper

225 100

223 0.0 32.3 96.8#

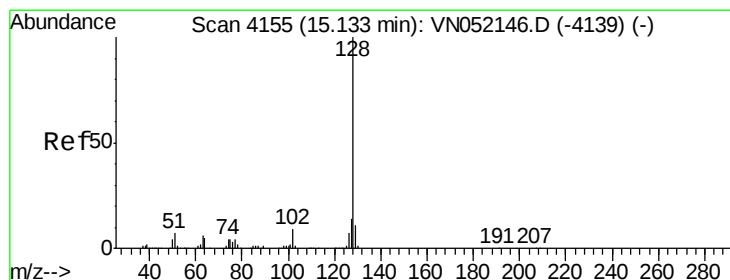
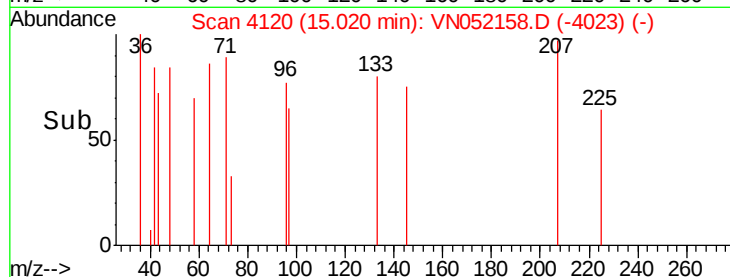
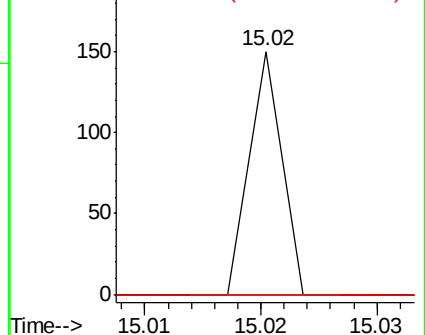
227 0.0 31.6 94.8#



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: 9.431 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052158.D

Acq: 5 Nov 2018 20:20

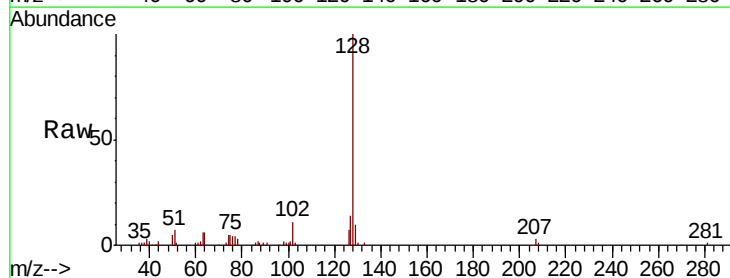
Tgt Ion:128 Resp: 67082

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

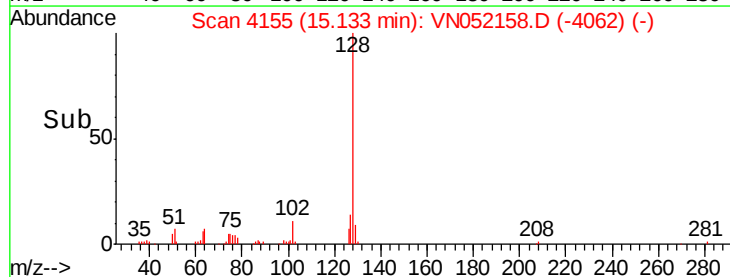
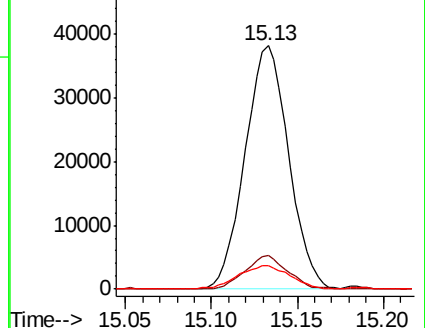
129 11.4 9.1 13.7

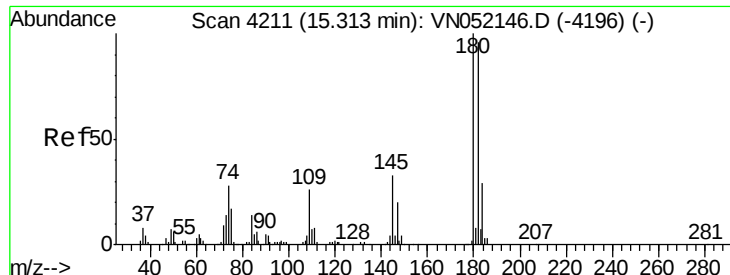


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

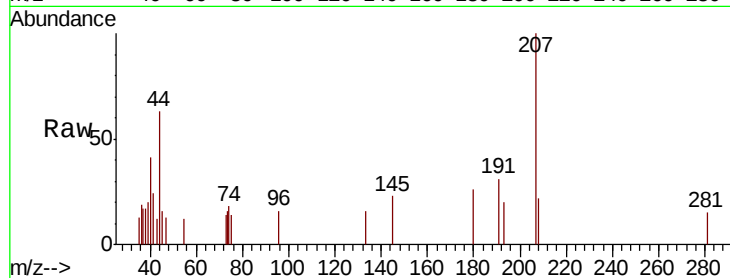




#96
 1,2,3-Trichlorobenzene
 Concen: 1.867 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052158.D
 Acq: 5 Nov 2018 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 JC-03-110218-J

Tot Ion	Ratio	Lower	Upper
180	100		
182	40.6	46.6	139.7#
145	63.1	16.7	50.0#



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

