

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050314.D
 Acq On : 3 Aug 2018 15:47
 Operator : MD\SY
 Sample : PB111719TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719TB

Quant Time: Aug 03 23:26:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	654923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1092206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	932396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	413201	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	466094	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
35) Dibromofluoromethane	7.59	113	411192	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
50) Toluene-d8	10.09	98	1469786	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	
62) 4-Bromofluorobenzene	12.40	95	437670	40.54	ug/l	0.00
Spiked Amount			Recovery	=	81.08%	

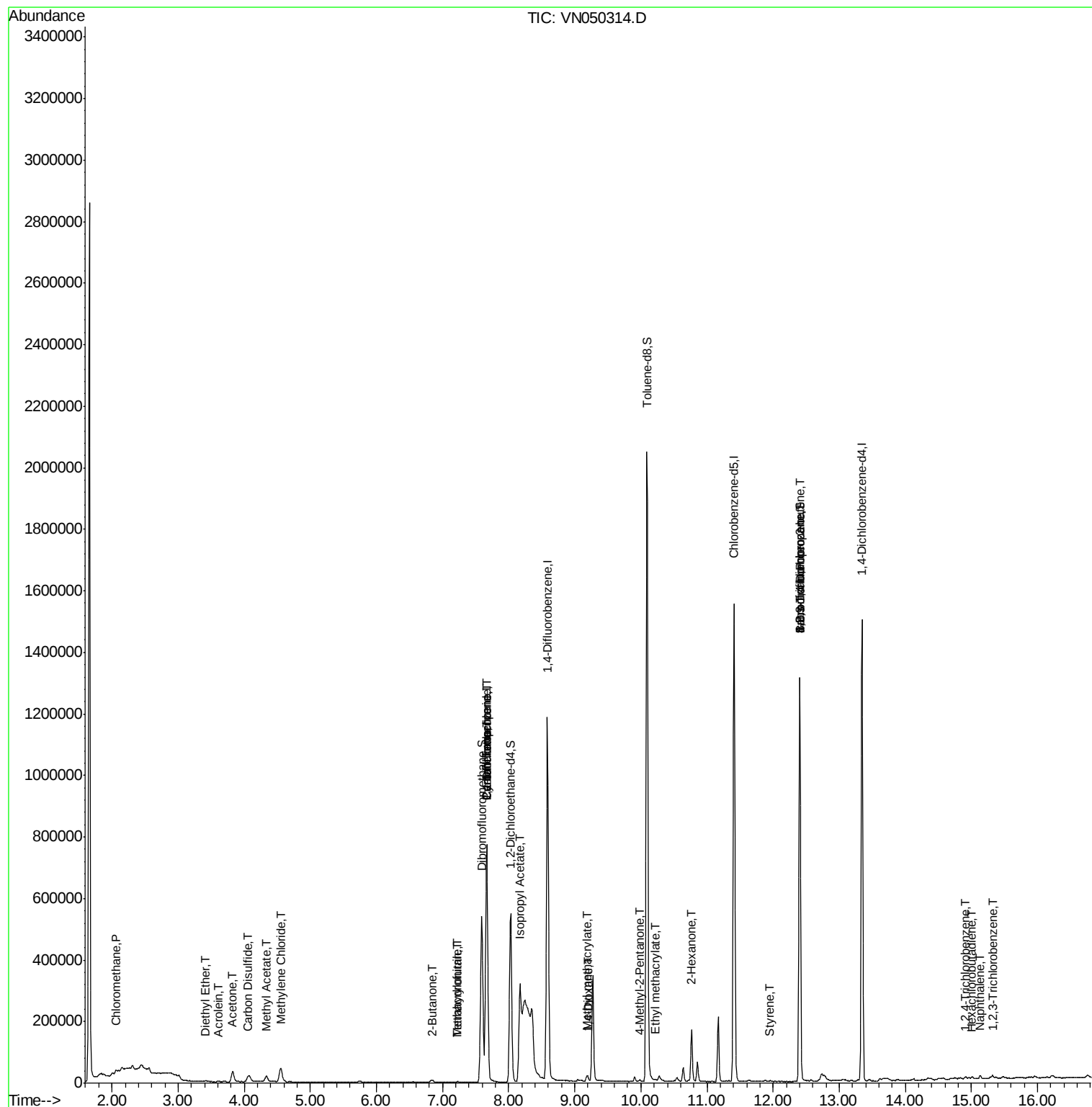
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	5014	0.49	ug/l	89
5) Bromomethane	2.56	94	5018	Below Cal		98
8) Diethyl Ether	3.42	74	1229	0.26	ug/l	54
13) Acrolein	3.61	56	954	1.77	ug/l #	27
16) Acetone	3.82	43	62586	25.17	ug/l	96
17) Carbon Disulfide	4.05	76	21914	0.95	ug/l	95
18) Methyl Acetate	4.33	43	31674	2.23	ug/l	96
20) Methylene Chloride	4.55	84	35350	3.19	ug/l	97
25) 2-Butanone	6.86	43	6814	1.96	ug/l	95
29) Tetrahydrofuran	7.23	42	2226	0.99	ug/l #	69
31) Cyclohexane	7.67	56	12422	0.92	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46679	3.79	ug/l #	48
38) Carbon Tetrachloride	7.67	117	59975	4.59	ug/l #	16
41) Methacrylonitrile	7.22	41	1399	3.04	ug/l #	17
43) Isopropyl Acetate	8.17	43	405458	24.50	ug/l #	89
48) Methyl methacrylate	9.18	41	9475	1.28	ug/l #	24
49) 1,4-Dioxane	9.21	88	812	8.08	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4628	0.55	ug/l #	61
56) Ethyl methacrylate	10.22	69	3533	2.32	ug/l #	86
59) 2-Hexanone	10.77	43	24907	9.11	ug/l #	60
70) Styrene	11.96	104	1152	0.97	ug/l	91
71) Bromoform	12.40	173	2462	0.37	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	621	Below Cal	#	31
76) 1,2,3-Trichloropropane	12.40	75	211596	27.56	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	211596	87.40	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	469	Below Cal	#	2
93) 1,2,4-Trichlorobenzene	14.91	180	2760	3.41	ug/l	93
94) Hexachlorobutadiene	15.01	225	1522	0.33	ug/l	94
95) Naphthalene	15.14	128	8525	4.83	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.32	180	2622	2.53	ug/l	89

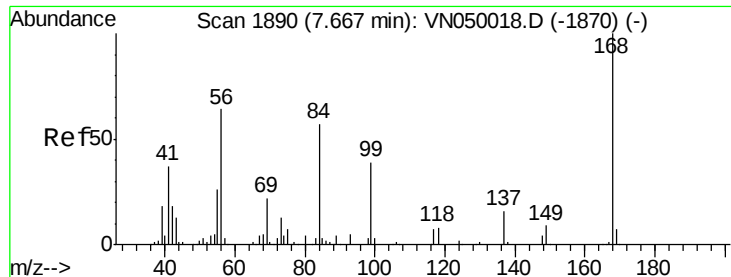
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 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: VN050314.D

Acq: 3 Aug 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

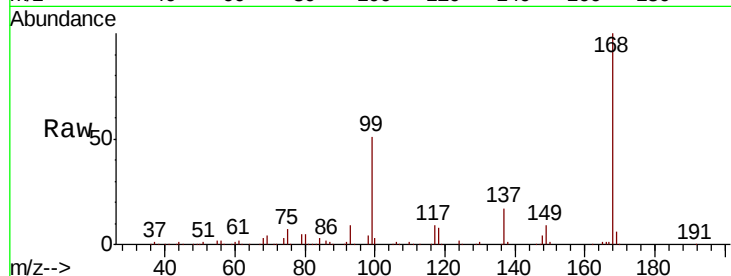
PB111719TB

Tot Ion:168 Resp: 654923

Ion Ratio Lower Upper

168 100

99 50.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

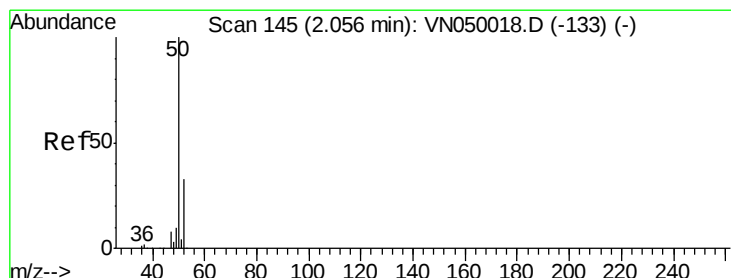
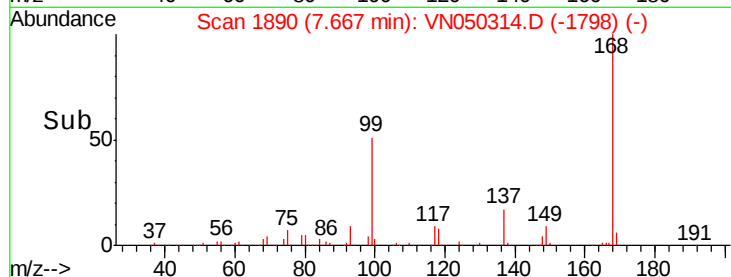
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.49 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050314.D

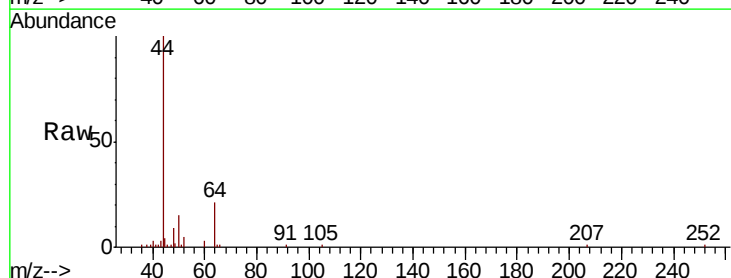
Acq: 3 Aug 2018 15:47

Tgt Ion: 50 Resp: 5014

Ion Ratio Lower Upper

50 100

52 38.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

4000

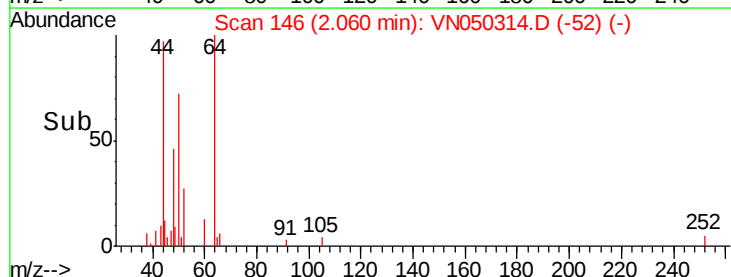
3000

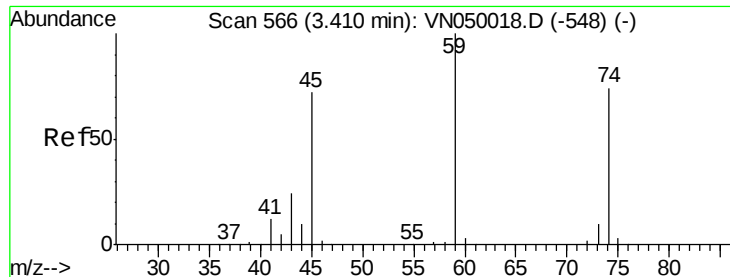
2000

1000

0

Time-->





#8

Diethyl Ether

Concen: 0.26 ug/l

RT: 3.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

Instrument :

MSVOA_N

ClientSampled :

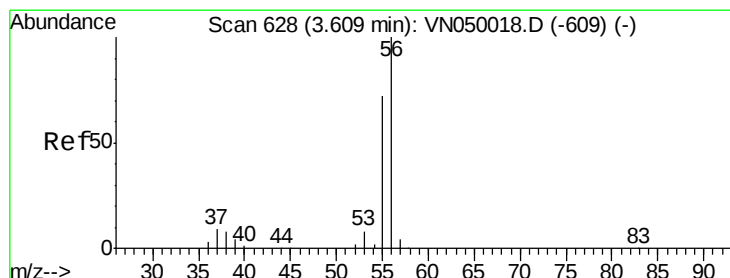
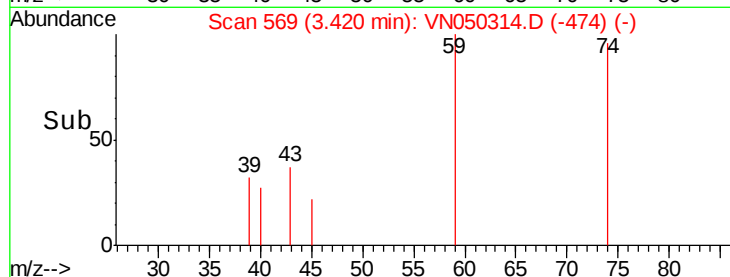
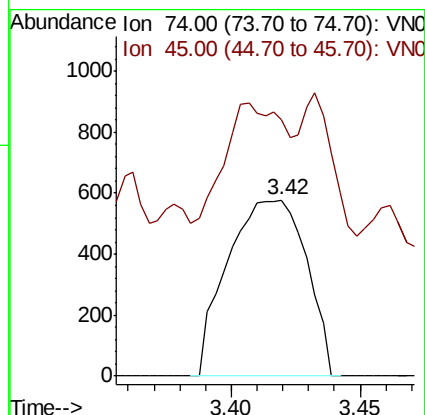
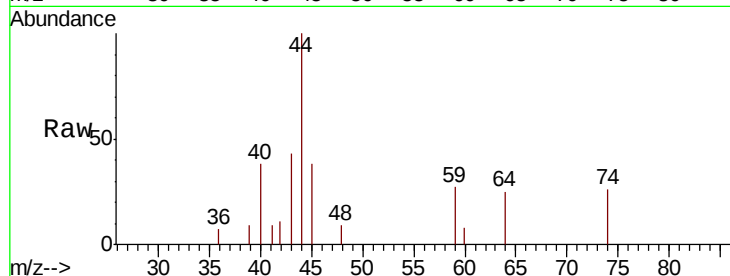
PB111719TB

Tot Ion: 74 Resp: 1229

Ion Ratio Lower Upper

74 100

45 50.3 47.6 142.8



#13

Acrolein

Concen: 1.77 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050314.D

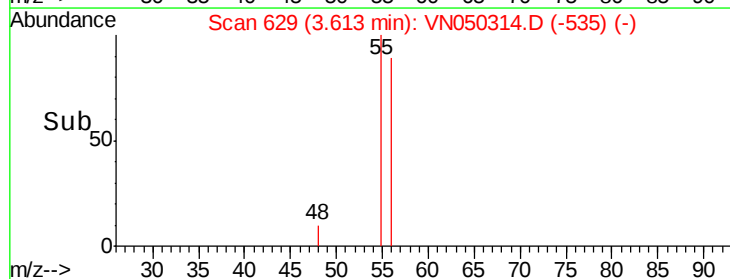
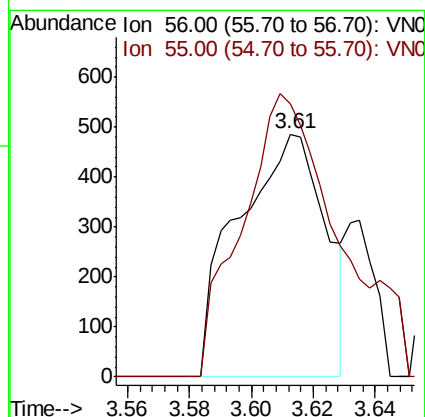
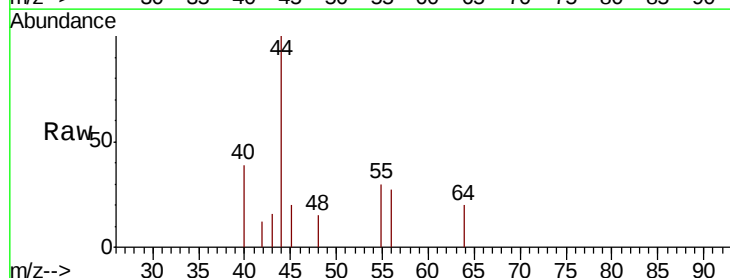
Acq: 3 Aug 2018 15:47

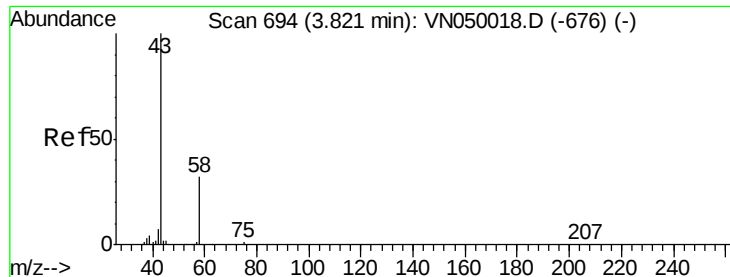
Tgt Ion: 56 Resp: 954

Ion Ratio Lower Upper

56 100

55 129.2 55.8 83.6#





#16

Acetone

Concen: 25.17 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

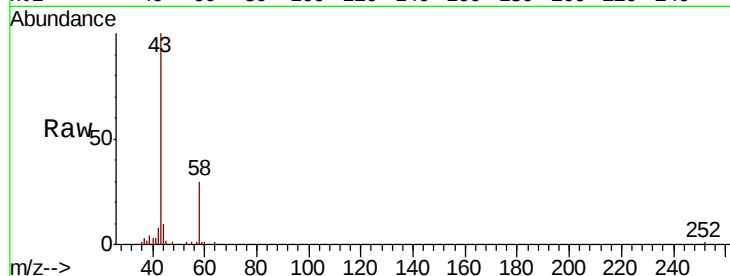
PB111719TB

Tot Ion: 43 Resp: 62586

Ion Ratio Lower Upper

43 100

58 30.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-676) (-)

3.82

25000

20000

15000

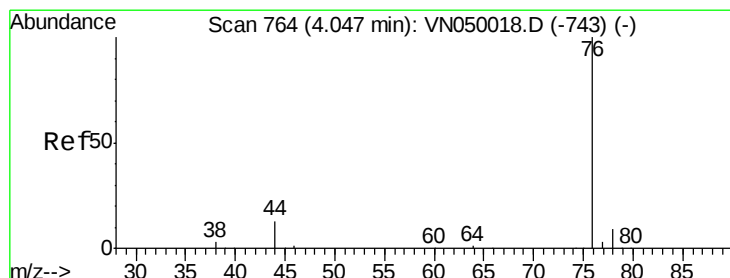
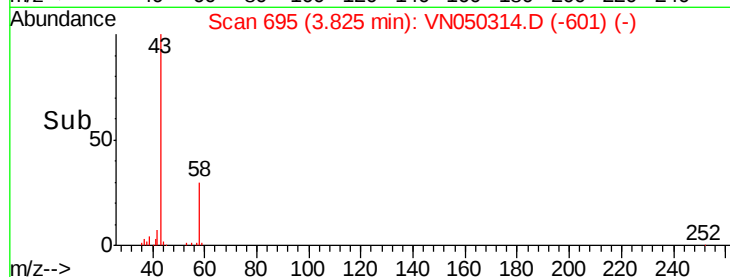
10000

5000

0

Time-->

3.70 3.80 3.90



#17

Carbon Disulfide

Concen: 0.95 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050314.D

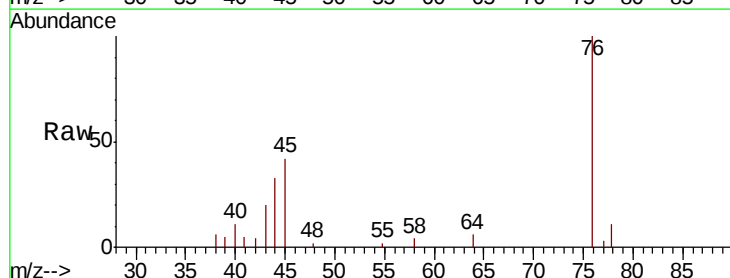
Acq: 3 Aug 2018 15:47

Tgt Ion: 76 Resp: 21914

Ion Ratio Lower Upper

76 100

78 10.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050018.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050018.D (-743) (-)

4.05

8000

6000

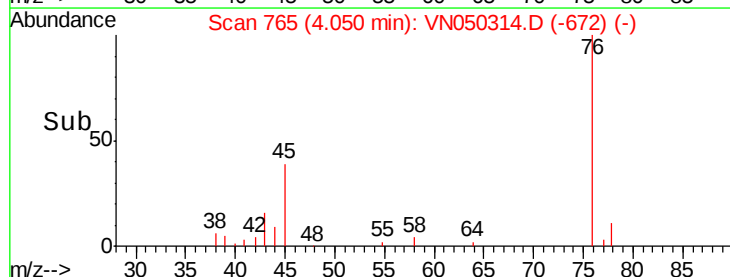
4000

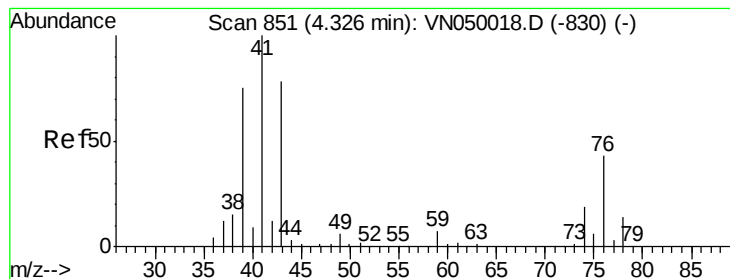
2000

0

Time-->

3.95 4.00 4.05 4.10





#18

Methyl Acetate

Concen: 2.23 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

Instrument :

MSVOA_N

ClientSampled :

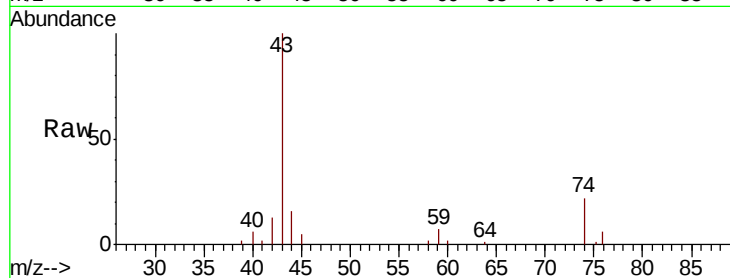
PB111719TB

Tot Ion: 43 Resp: 31674

Ion Ratio Lower Upper

43 100

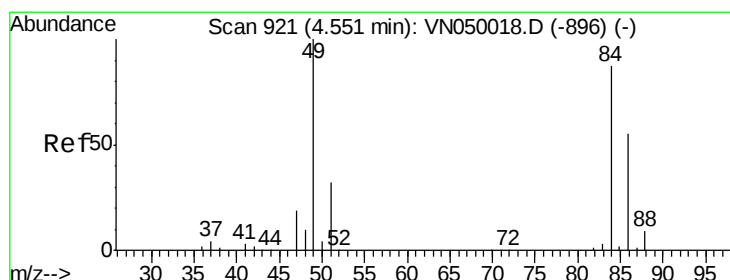
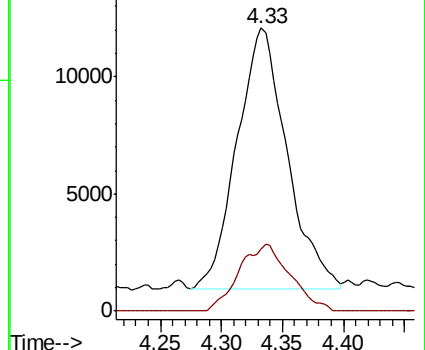
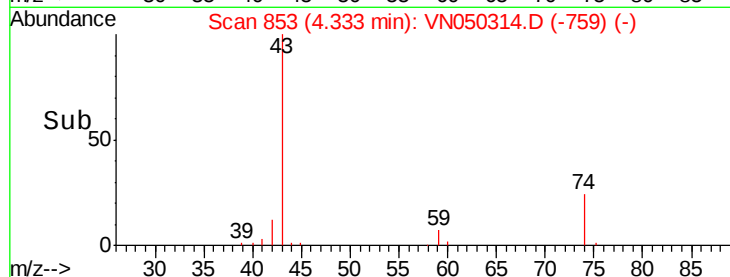
74 26.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050314.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN050314.D (-759) (-)

Time-->



#20

Methylene Chloride

Concen: 3.19 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

Tgt Ion: 84 Resp: 35350

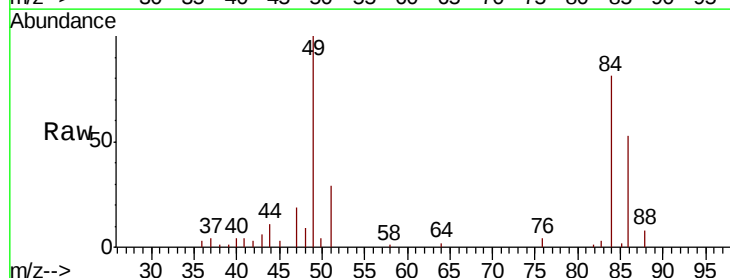
Ion Ratio Lower Upper

84 100

49 123.1 94.8 142.2

51 35.3 28.3 42.5

86 65.3 51.0 76.6



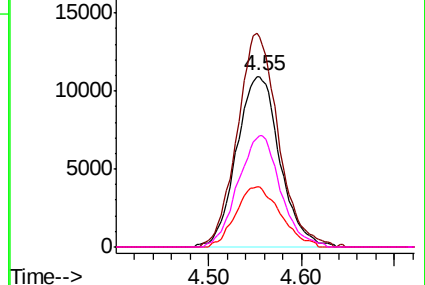
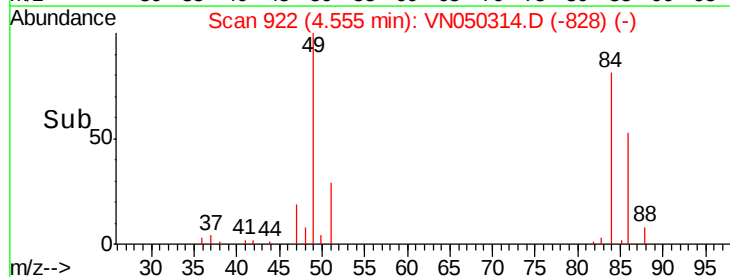
Abundance Ion 83.90 (83.60 to 84.60): VN050314.D (-828) (-)

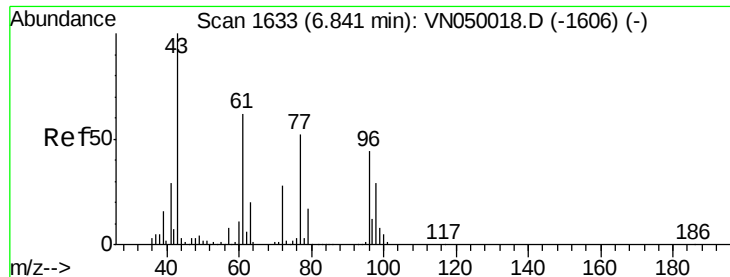
Ion 48.90 (48.60 to 49.60): VN050314.D (-828) (-)

Ion 50.90 (50.60 to 51.60): VN050314.D (-828) (-)

Ion 85.90 (85.60 to 86.60): VN050314.D (-828) (-)

Time-->

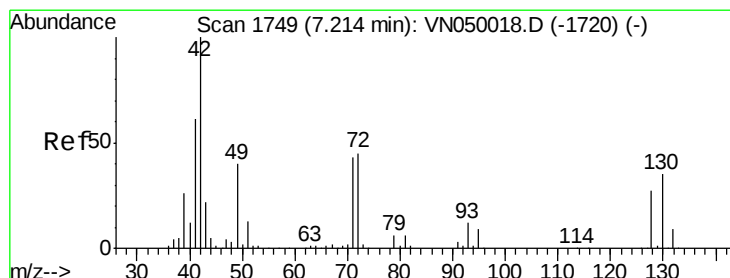
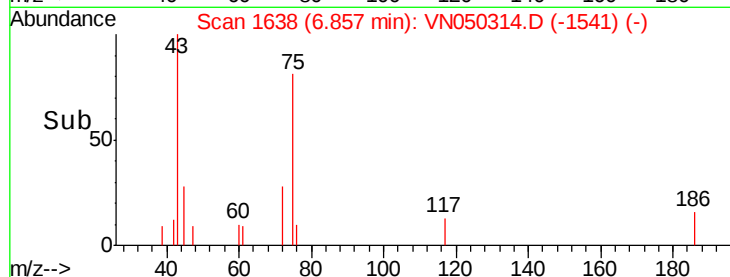
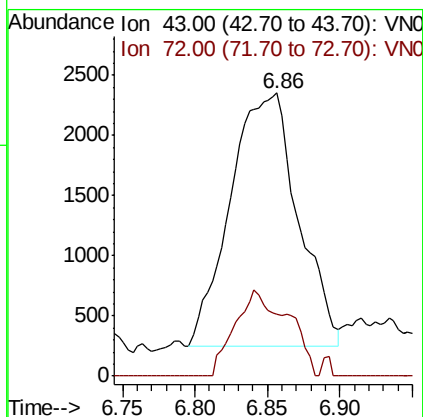
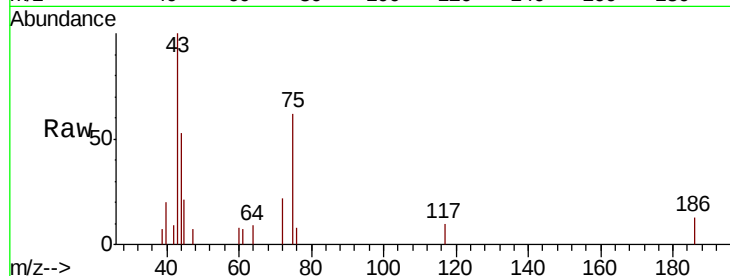




#25
2-Butanone
Concen: 1.96 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VN050314.D
Acq: 3 Aug 2018 15:47

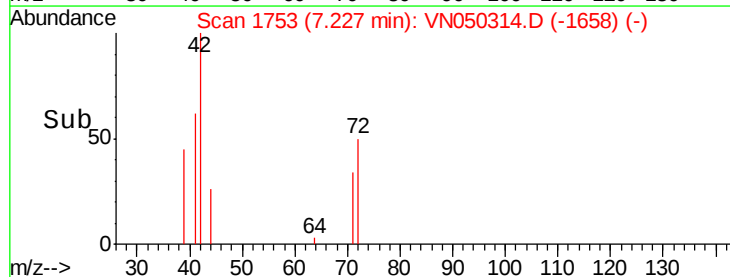
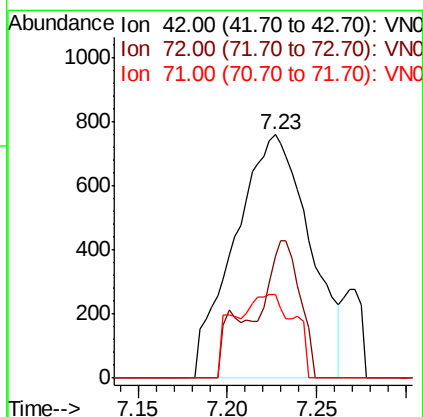
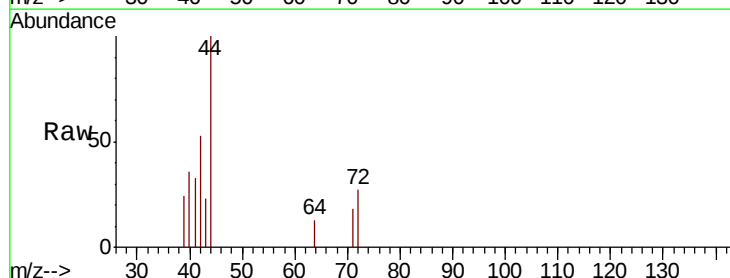
Instrument :
MSVOA_N
ClientSampled :
PB111719TB

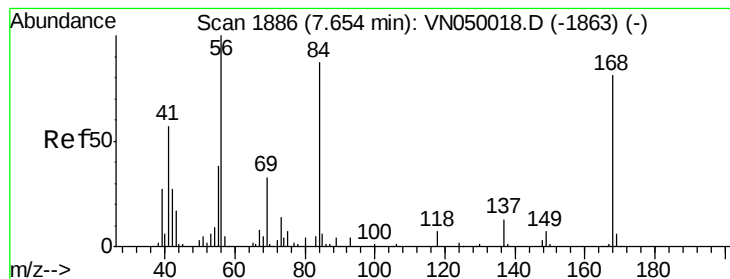
Tot Ion: 43 Resp: 6814
Ion Ratio Lower Upper
43 100
72 24.2 21.5 32.3



#29
Tetrahydrofuran
Concen: 0.99 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN050314.D
Acq: 3 Aug 2018 15:47

Tgt Ion: 42 Resp: 2226
Ion Ratio Lower Upper
42 100
72 25.7 35.9 53.9#
71 21.0 33.7 50.5#





#31

Cyclohexane

Concen: 0.92 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

PB111719TB

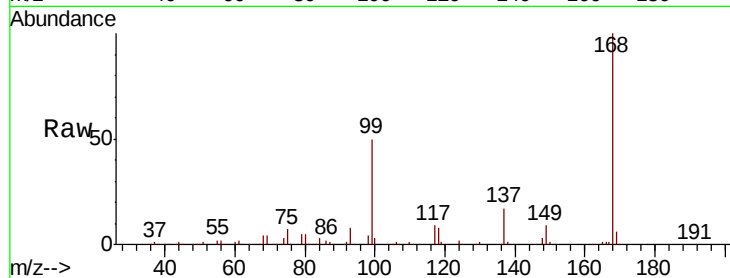
Tot Ion: 56 Resp: 12422

Ion Ratio Lower Upper

56 100

69 181.1 26.2 39.4#

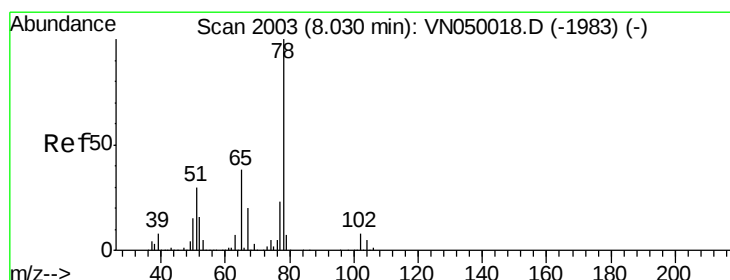
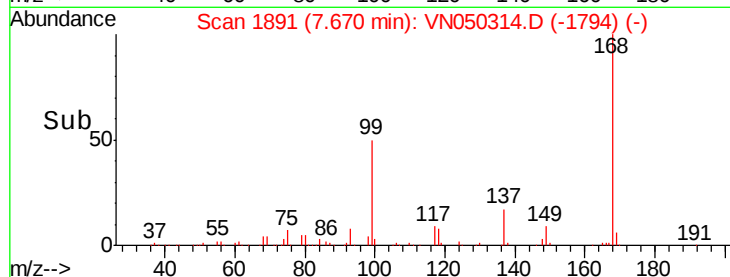
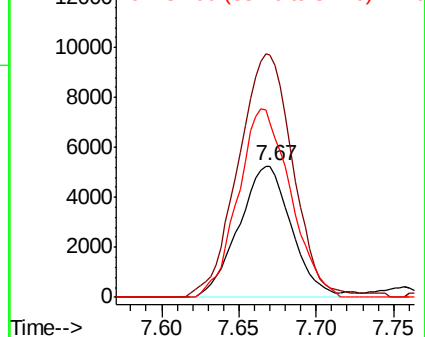
84 133.0 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 51.01 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050314.D

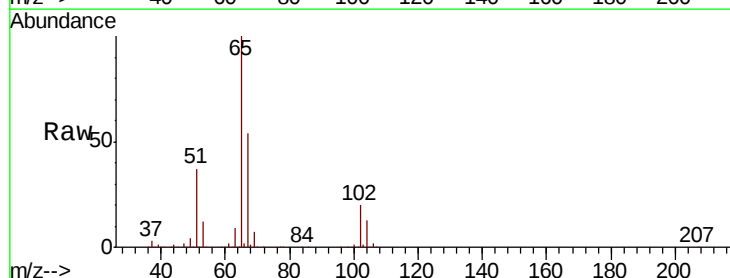
Acq: 3 Aug 2018 15:47

Tgt Ion: 65 Resp: 466094

Ion Ratio Lower Upper

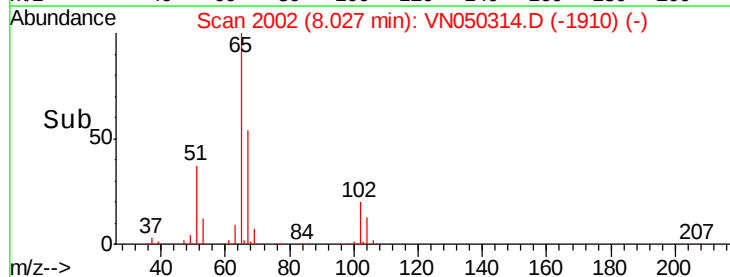
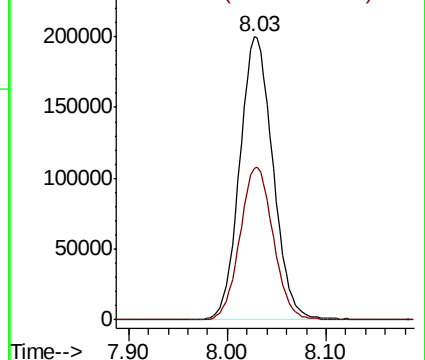
65 100

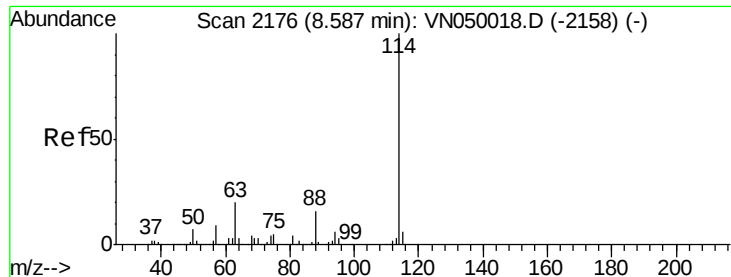
67 54.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

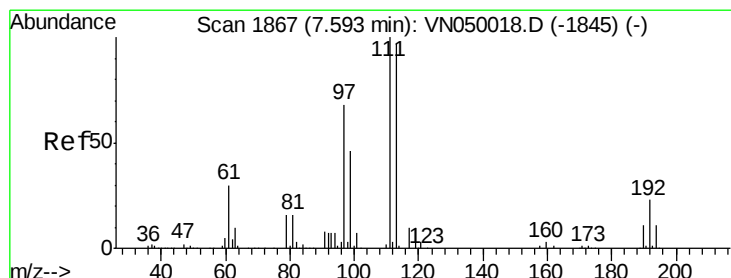
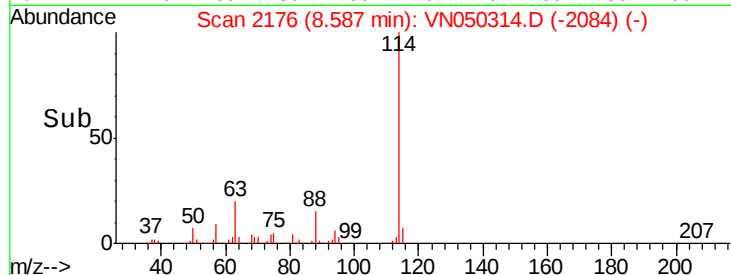
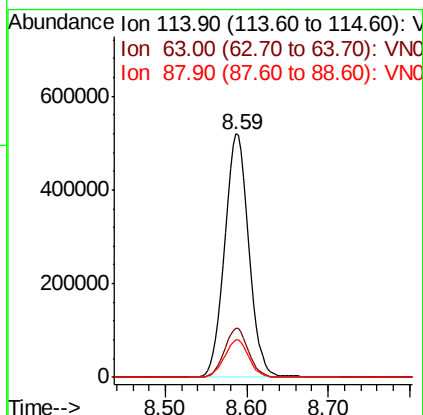
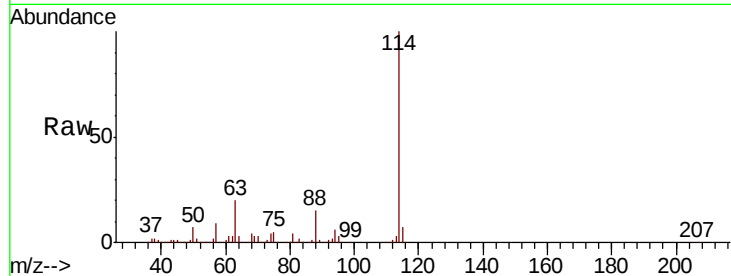




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050314.D
 Acq: 3 Aug 2018 15:47

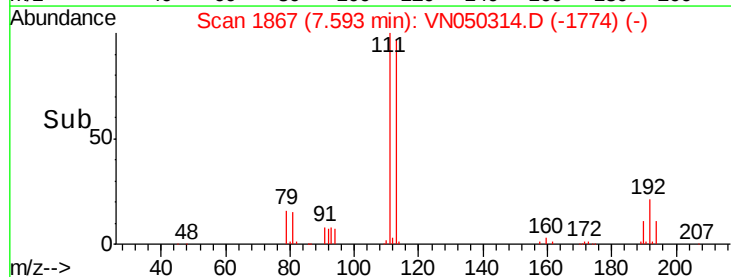
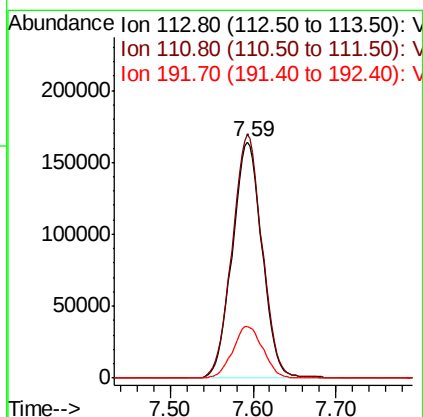
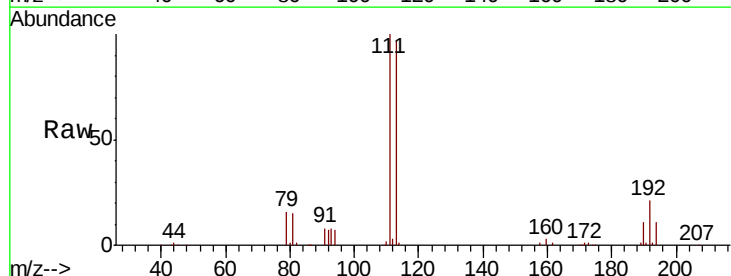
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719TB

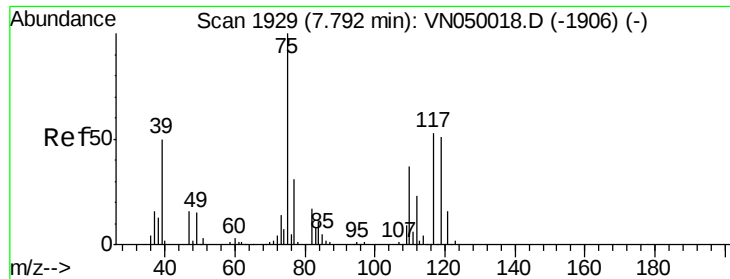
Tot Ion:114 Resp: 1092206
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 15.3 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 46.11 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050314.D
 Acq: 3 Aug 2018 15:47

Tgt Ion:113 Resp: 411192
 Ion Ratio Lower Upper
 113 100
 111 103.5 80.7 121.1
 192 22.1 17.8 26.6

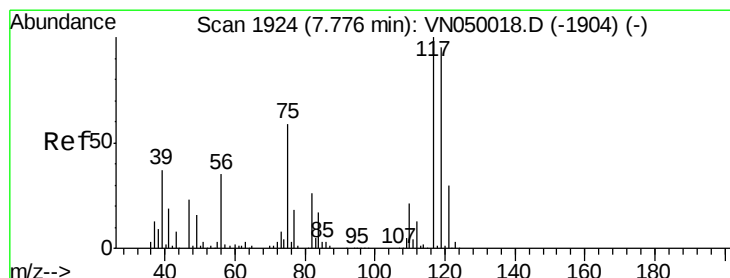
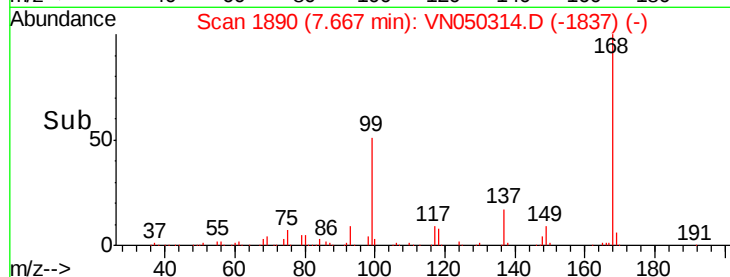
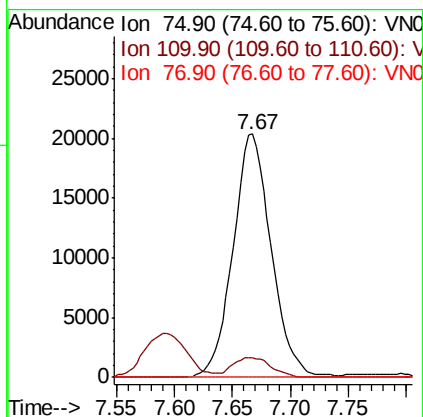
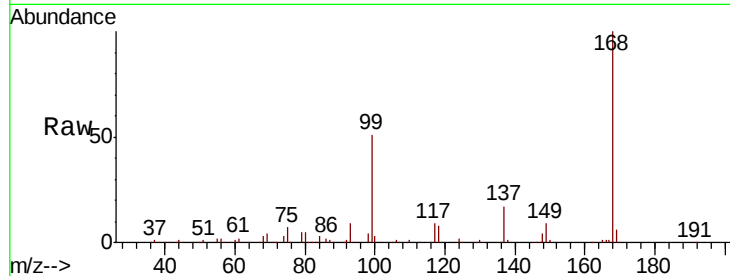




#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050314.D
 Acq: 3 Aug 2018 15:47

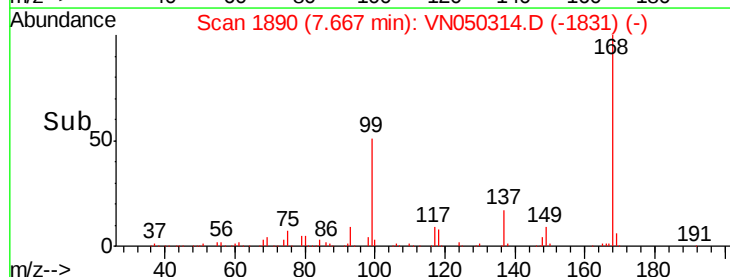
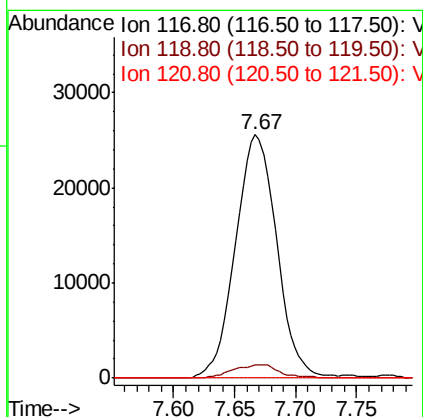
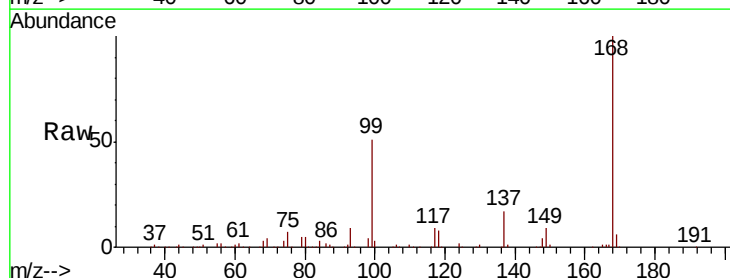
Instrument :
 MSVOA_N
 ClientSampled :
 PB111719TB

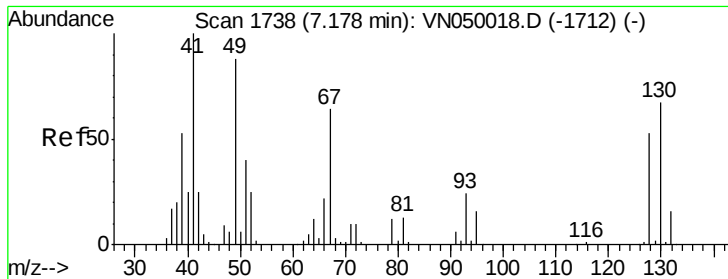
Tot Ion: 75 Resp: 46679
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.59 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050314.D
 Acq: 3 Aug 2018 15:47

Tgt Ion: 117 Resp: 59975
 Ion Ratio Lower Upper
 117 100
 119 5.4 77.4 116.0#
 121 0.0 23.9 35.9#

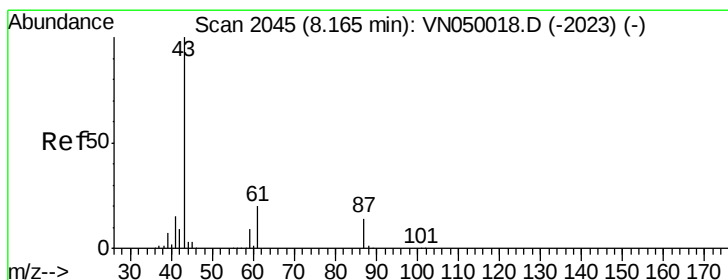
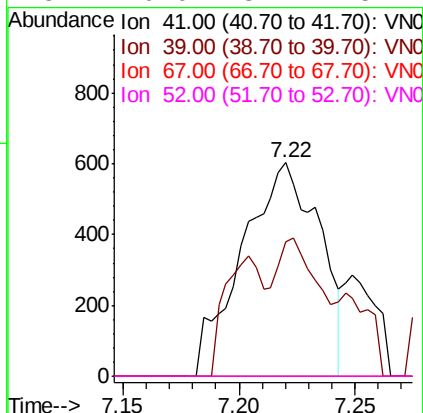
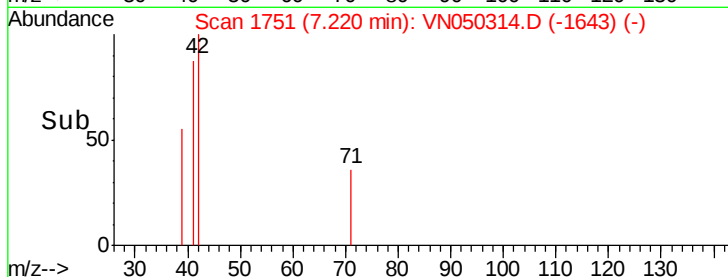
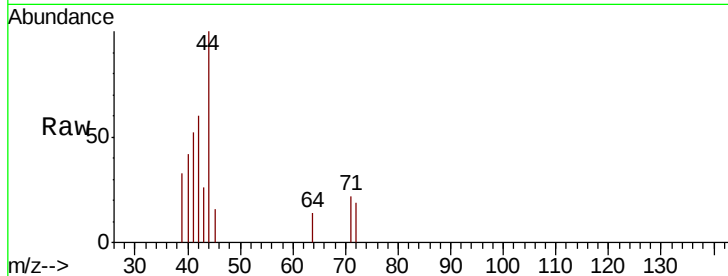




#41
Methacrylonitrile
Concen: 3.04 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.05 min
Lab File: VN050314.D
Acq: 3 Aug 2018 15:47

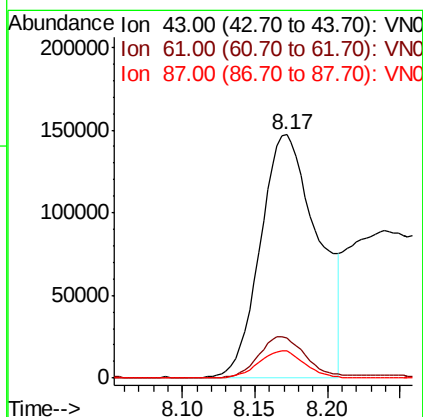
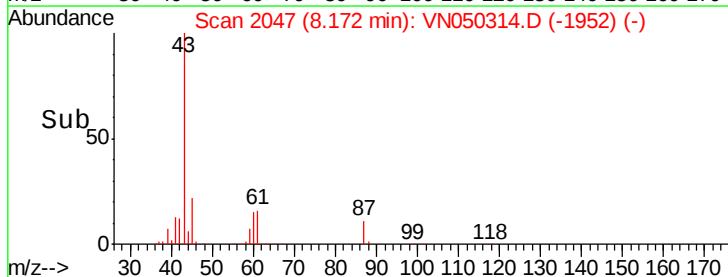
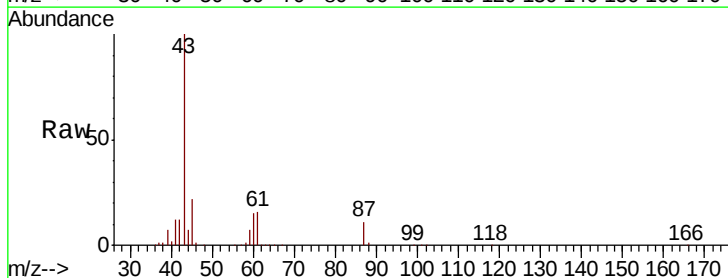
Instrument :
MSVOA_N
ClientSampled :
PB111719TB

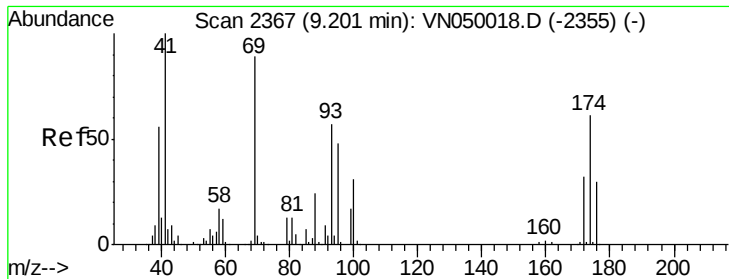
Tot Ion: 41 Resp: 1399
Ion Ratio Lower Upper
41 100
39 16.6 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 24.50 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN050314.D
Acq: 3 Aug 2018 15:47

Tgt Ion: 43 Resp: 405458
Ion Ratio Lower Upper
43 100
61 14.1 15.8 23.6#
87 9.0 10.3 15.5#

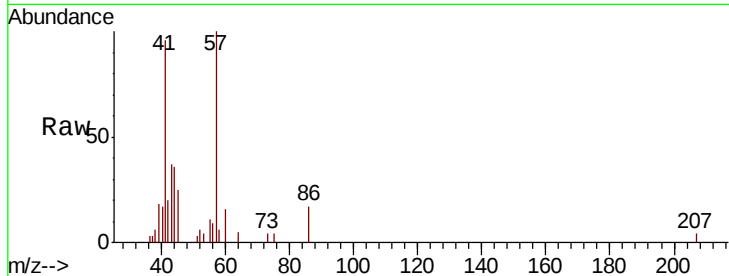




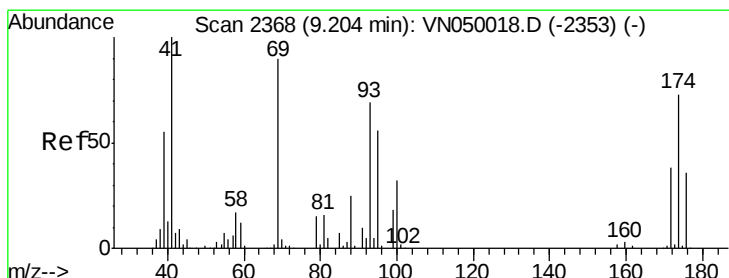
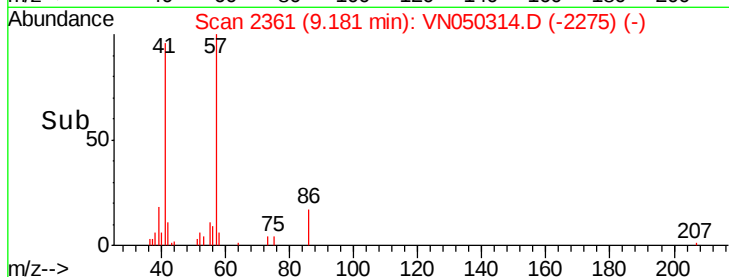
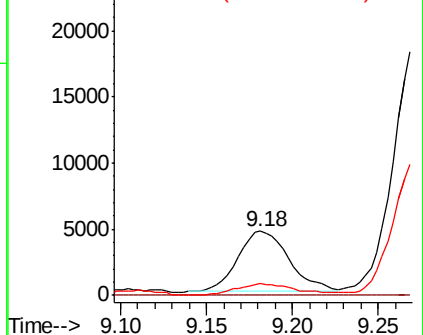
#48
Methyl methacrylate
Concen: 1.28 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050314.D
Acq: 3 Aug 2018 15:47

Instrument :
MSVOA_N
ClientSampleId :
PB111719TB

Tot Ion: 41 Resp: 9475
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 22.1 43.9 65.9#

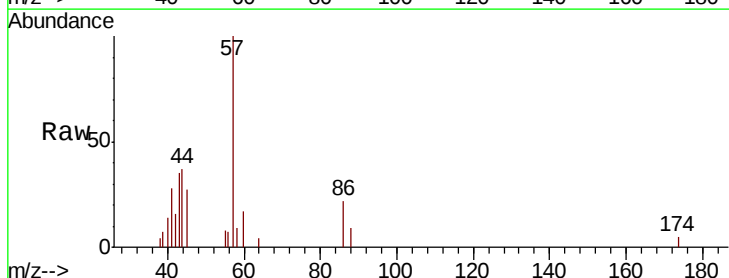


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

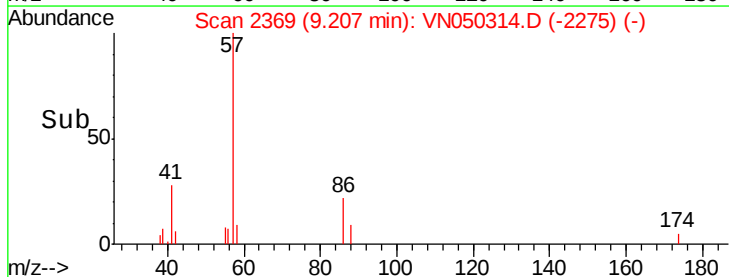
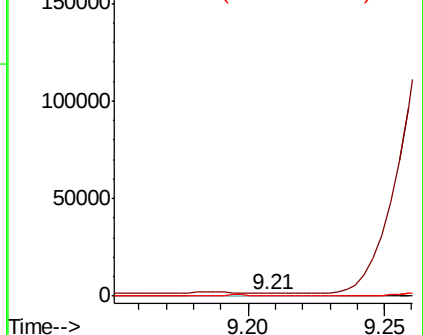


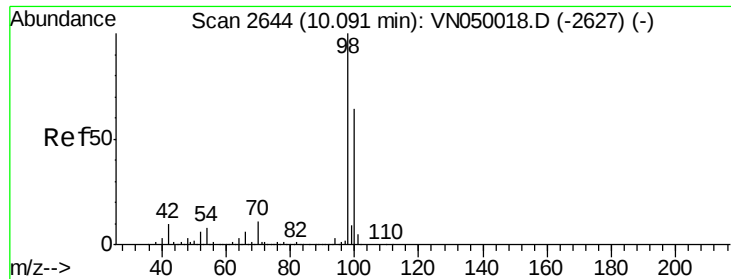
#49
1,4-Dioxane
Concen: 8.08 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN050314.D
Acq: 3 Aug 2018 15:47

Tgt Ion: 88 Resp: 812
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3#
58 187.6 57.3 85.9#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 44.83 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

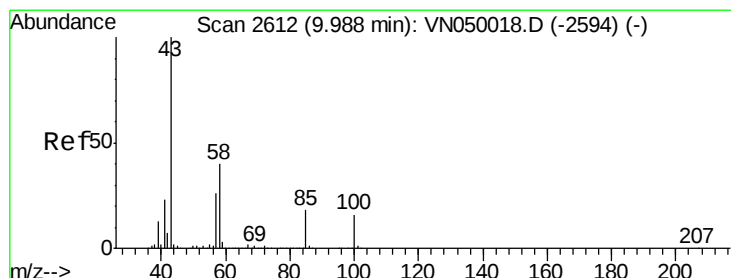
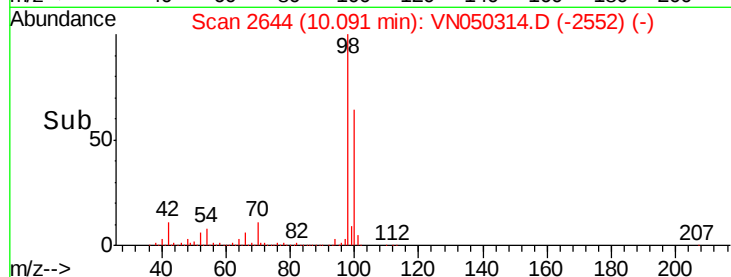
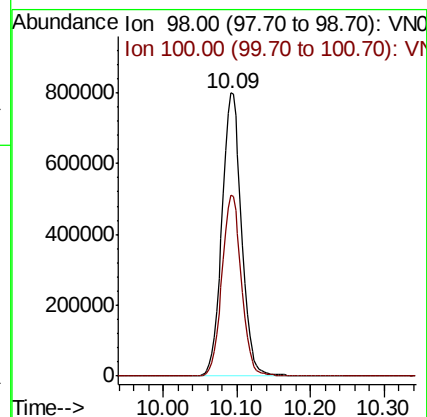
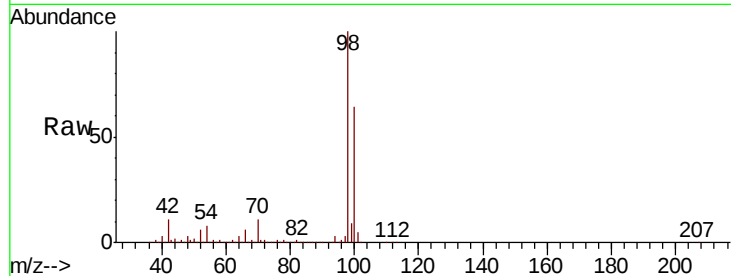
PB111719TB

Tot Ion: 98 Resp: 1469786

Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.55 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050314.D

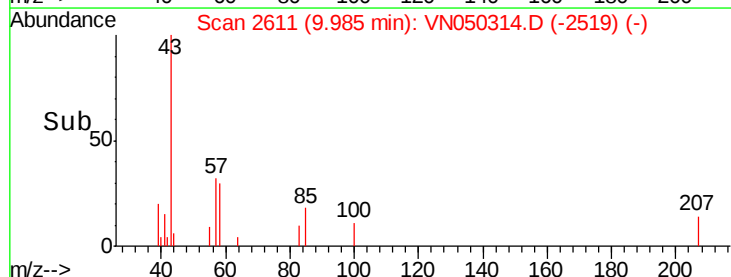
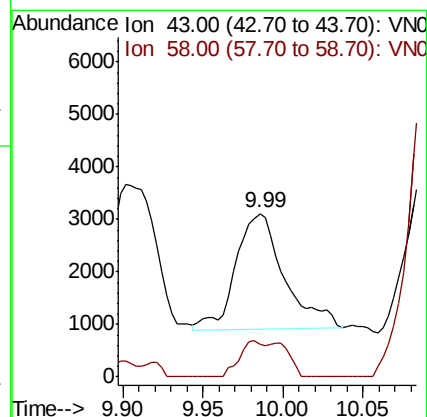
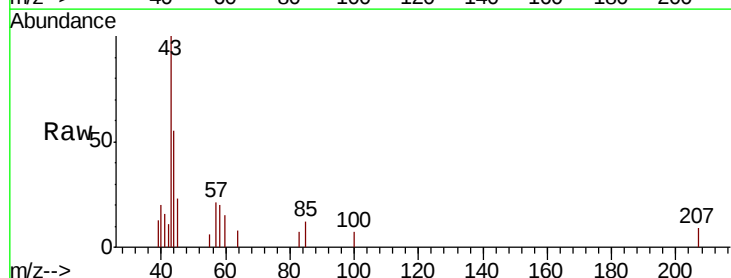
Acq: 3 Aug 2018 15:47

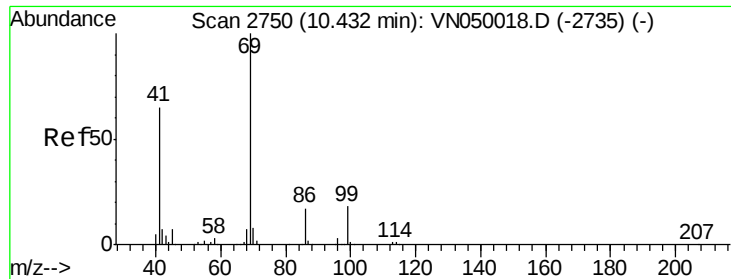
Tgt Ion: 43 Resp: 4628

Ion Ratio Lower Upper

43 100

58 15.8 31.9 47.9#





#56

Ethyl methacrylate

Concen: 2.32 ug/l

RT: 10.22 min Scan# 2685

Delta R.T. -0.21 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

Instrument :

MSVOA_N

ClientSampled :

PB111719TB

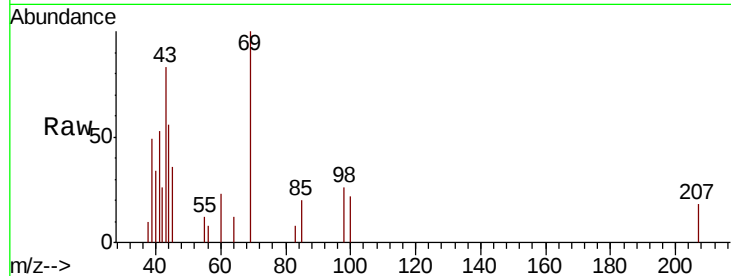
Tot Ion: 69 Resp: 3533

Ion Ratio Lower Upper

69 100

41 53.1 51.0 76.4

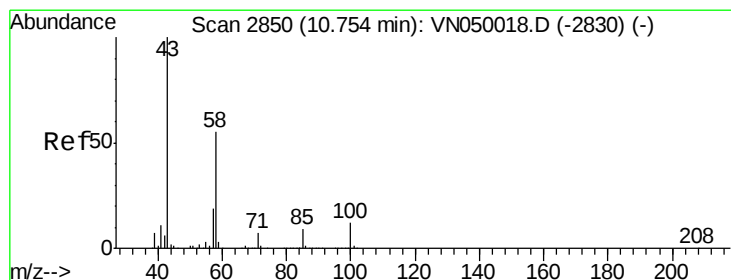
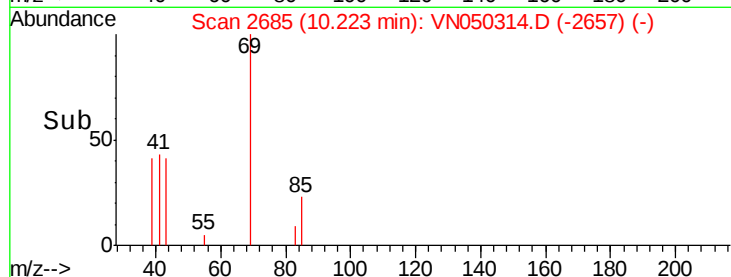
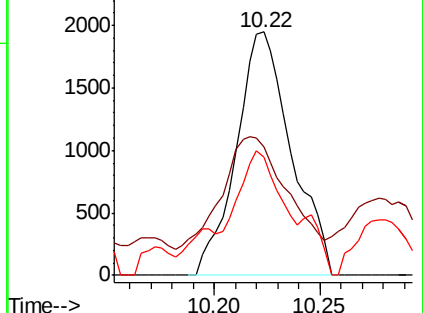
39 24.2 26.6 40.0#



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: 9.11 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050314.D

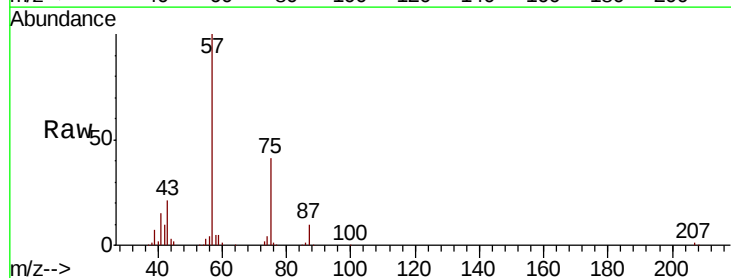
Acq: 3 Aug 2018 15:47

Tgt Ion: 43 Resp: 24907

Ion Ratio Lower Upper

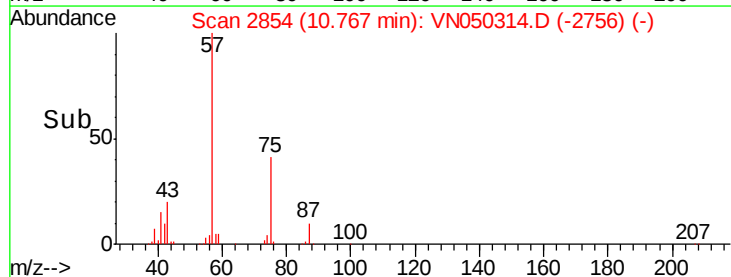
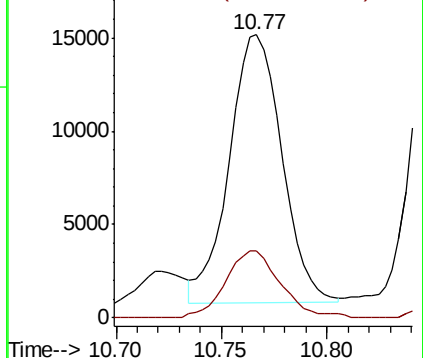
43 100

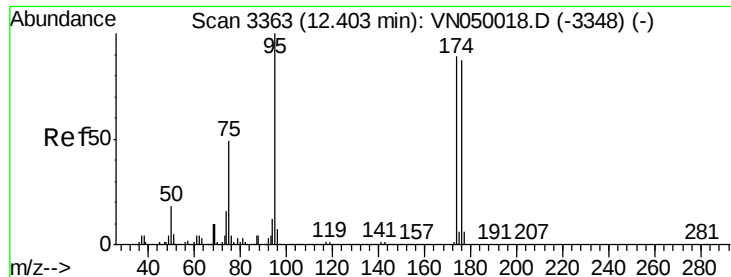
58 26.1 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

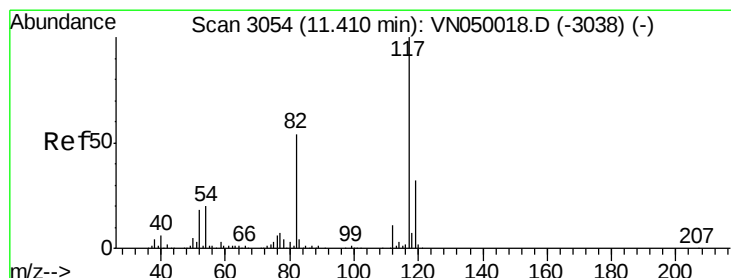
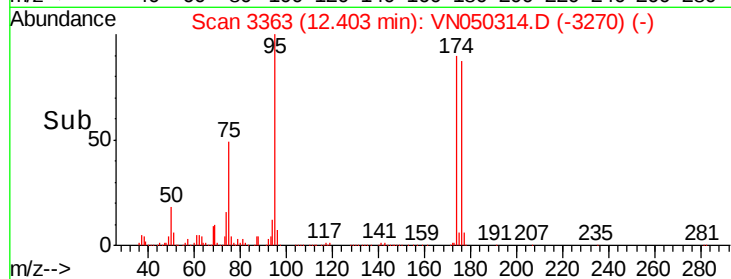
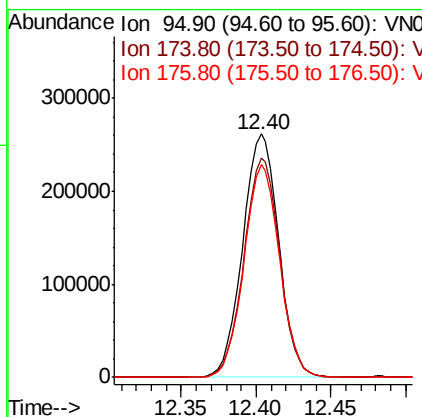
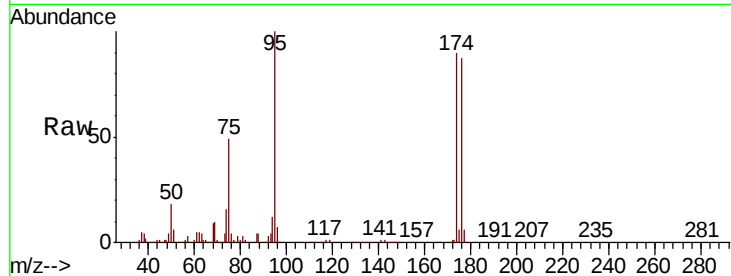




#62
4-Bromofluorobenzene
Concen: 40.54 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050314.D
Acq: 3 Aug 2018 15:47

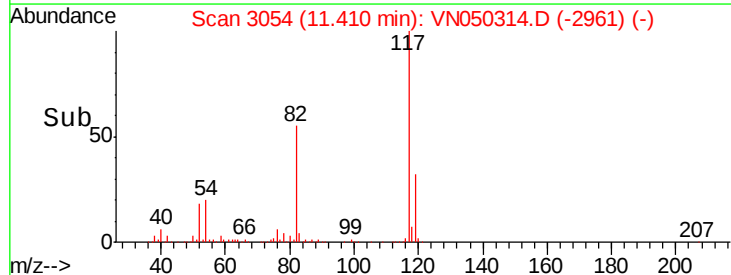
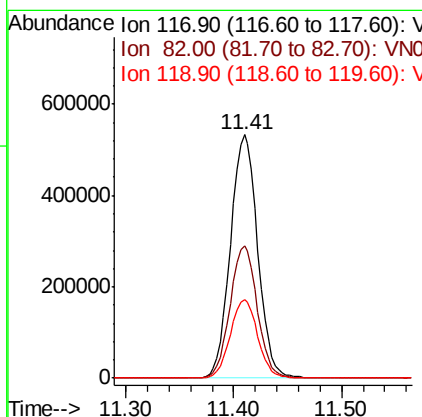
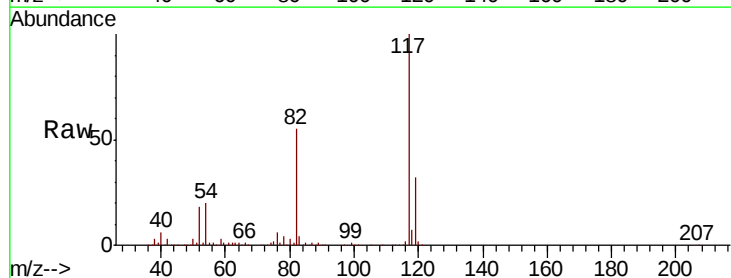
Instrument :
MSVOA_N
ClientSampleId :
PB111719TB

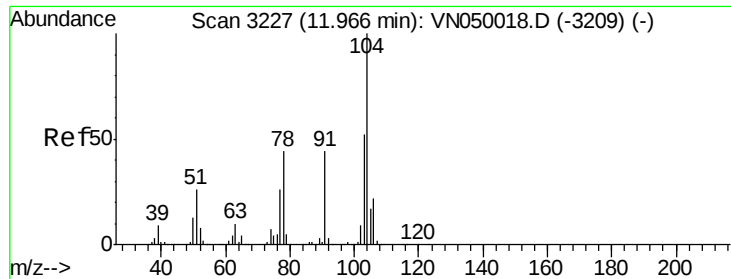
Tot Ion: 95 Resp: 437670
Ion Ratio Lower Upper
95 100
174 90.1 0.0 178.2
176 86.4 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050314.D
Acq: 3 Aug 2018 15:47

Tgt Ion: 117 Resp: 932396
Ion Ratio Lower Upper
117 100
82 54.6 43.7 65.5
119 32.2 26.1 39.1





#70

Stvrene

Concen: 0.97 ug/l

RT: 11.96 min Scan# 3225

Delta R.T. -0.01 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

Instrument :

MSVOA_N

ClientSampled :

PB111719TB

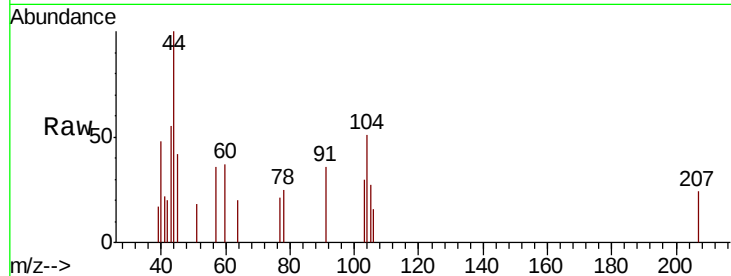
Tot Ion:104 Resp: 1152

Ion Ratio Lower Upper

104 100

78 39.8 39.3 58.9

103 52.7 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

800

600

400

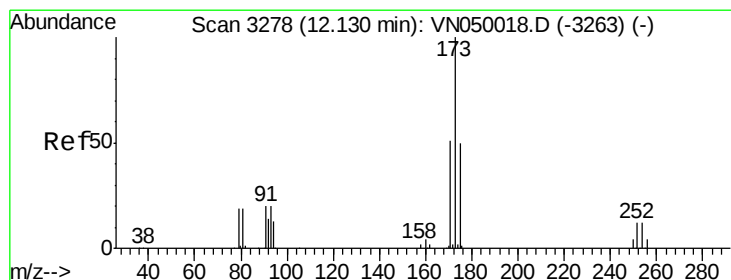
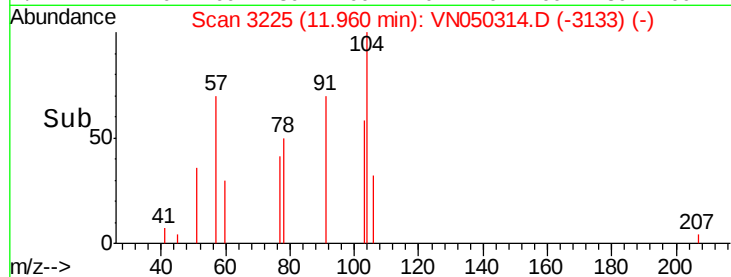
200

0

11.95

12.00

Time-->



#71

Bromoform

Concen: 0.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

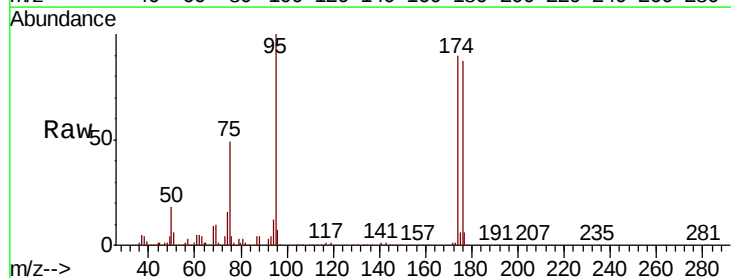
Tgt Ion:173 Resp: 2462

Ion Ratio Lower Upper

173 100

175 1042.4 24.1 72.2#

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

20000

15000

10000

5000

0

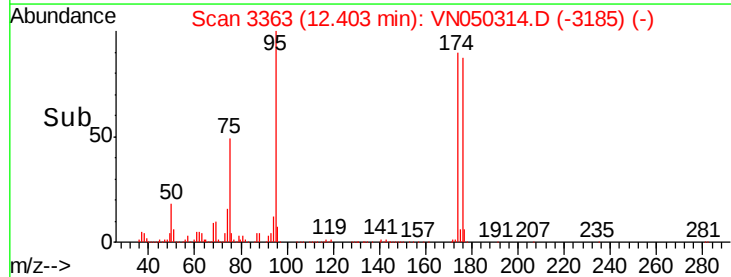
12.36

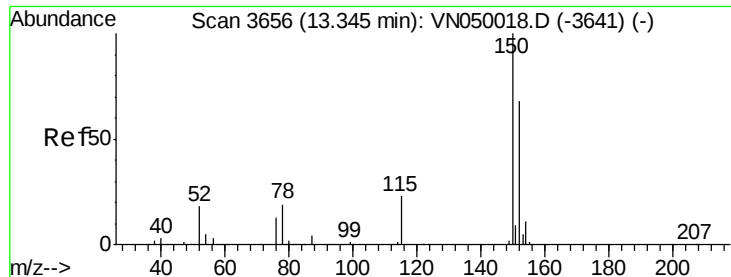
12.38

12.40

12.42

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

Instrument :

MSVOA_N

ClientSampled :

PB111719TB

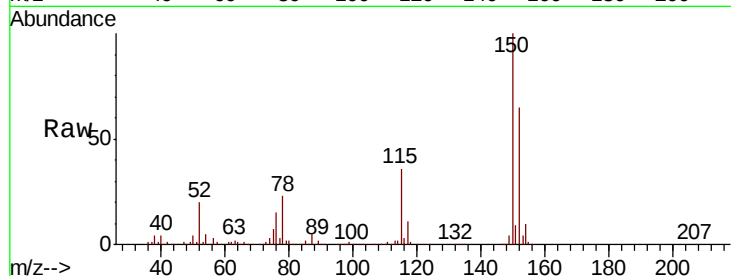
Tot Ion:152 Resp: 413201

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.3

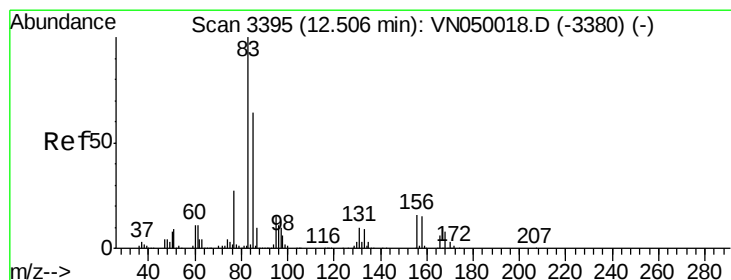
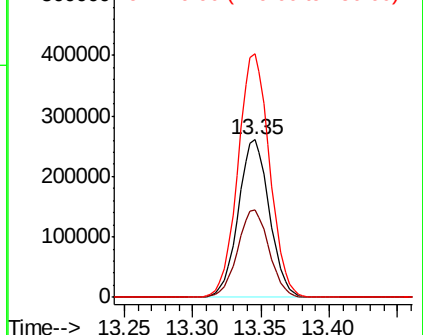
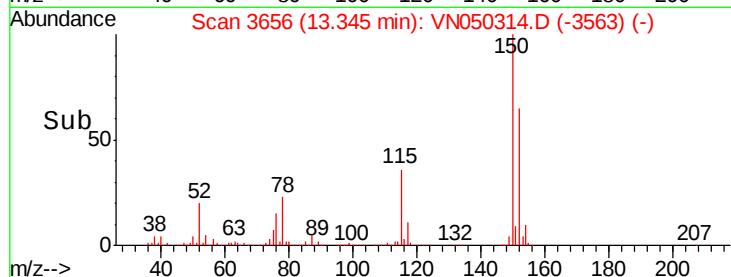
150 156.7 0.0 348.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

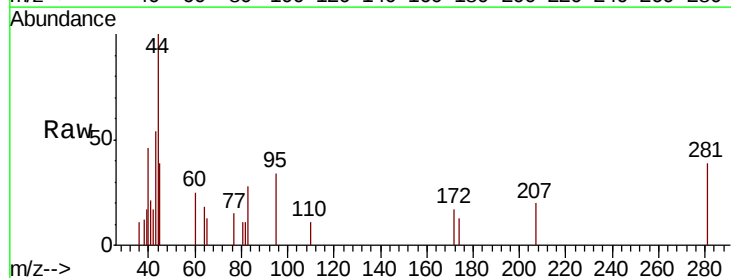
Tgt Ion: 83 Resp: 621

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

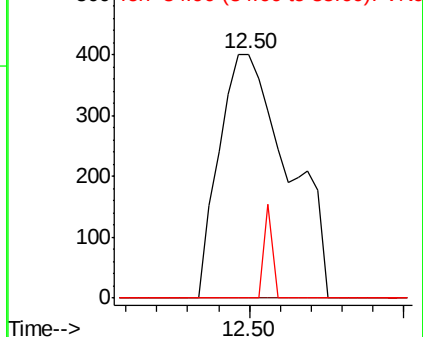
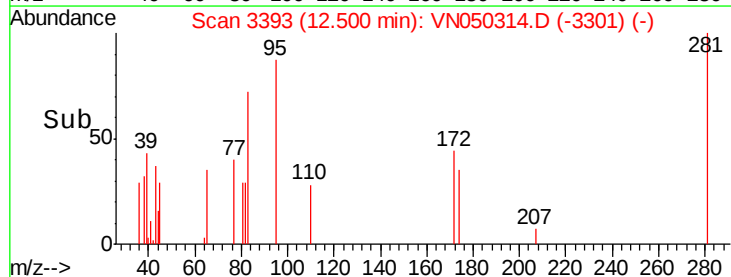
85 4.8 32.3 96.8#

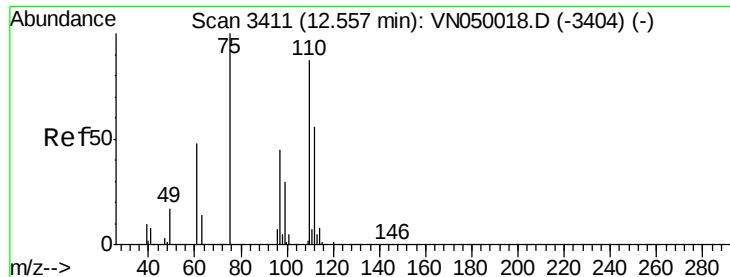


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 27.56 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

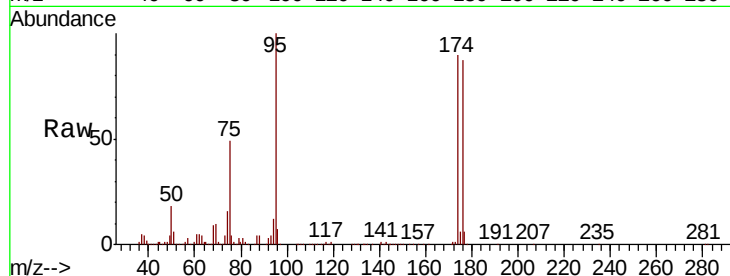
PB111719TB

Tot Ion: 75 Resp: 211596

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

150000

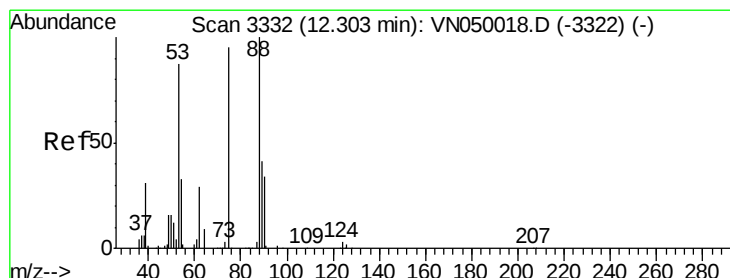
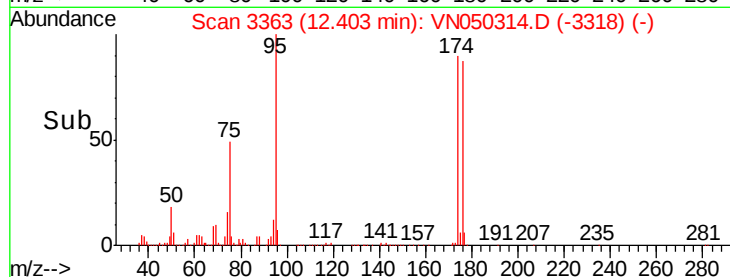
12.40

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 87.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

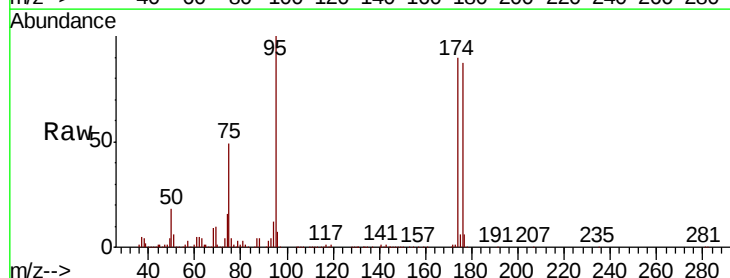
Tgt Ion: 75 Resp: 211596

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

89 0.0 36.0 54.0#



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

150000

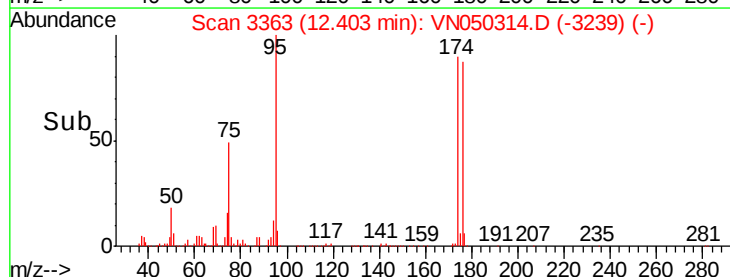
12.40

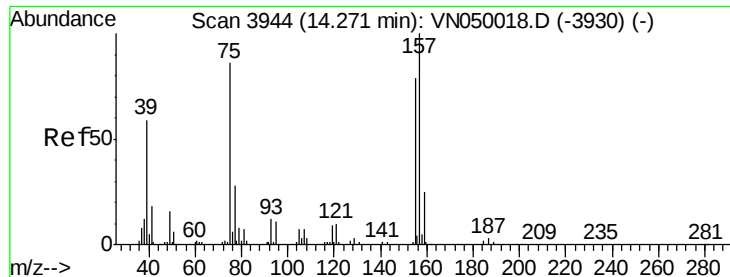
100000

50000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

PB111719TB

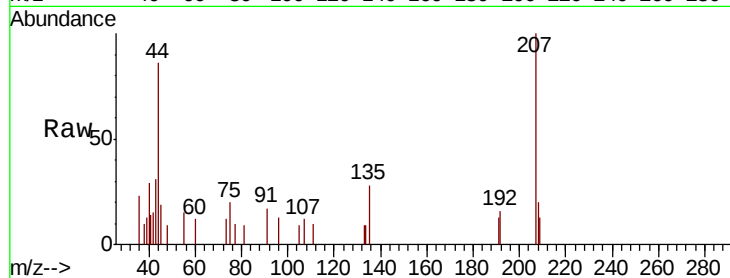
Tot Ion: 75 Resp: 469

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

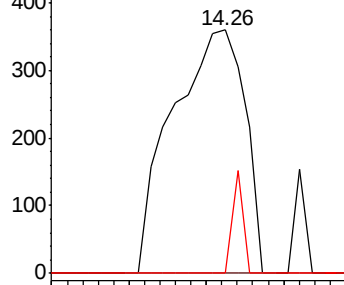
157 6.2 57.2 171.6#



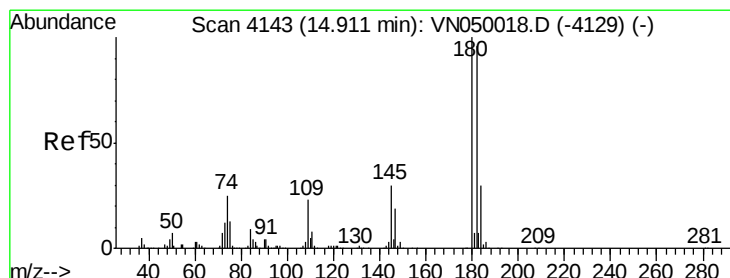
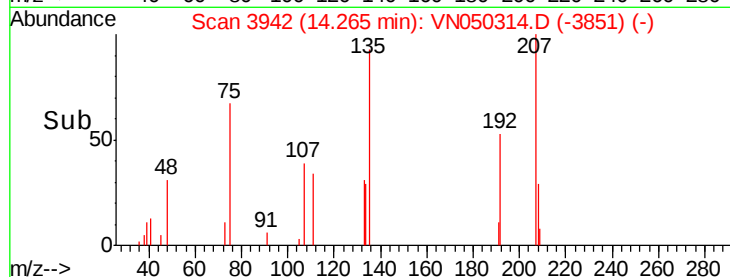
Abundance Ion 74.90 (74.60 to 75.60): VN050314.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN050314.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN050314.D (-3851) (-)



Time--> 14.22 14.24 14.26 14.28



#93

1,2,4-Trichlorobenzene

Concen: 3.41 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.00 min

Lab File: VN050314.D

Acq: 3 Aug 2018 15:47

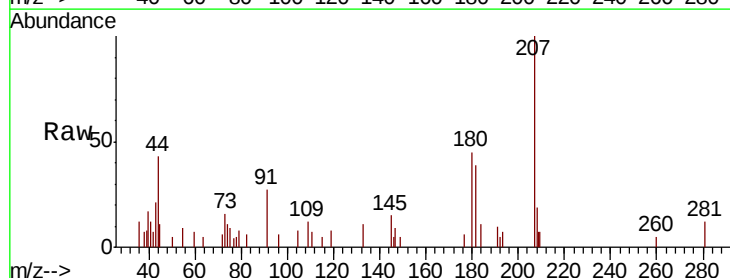
Tgt Ion: 180 Resp: 2760

Ion Ratio Lower Upper

180 100

182 86.1 46.7 140.1

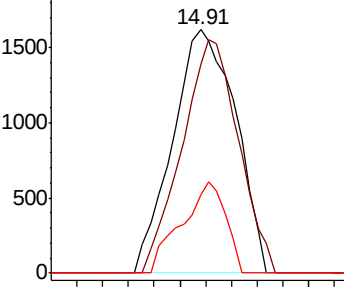
145 26.1 13.8 41.4



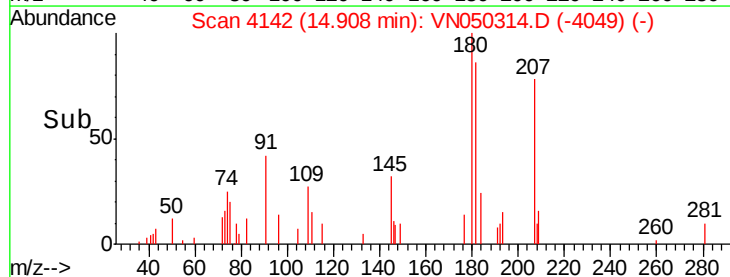
Abundance Ion 179.80 (179.50 to 180.50): VN050314.D (-4049) (-)

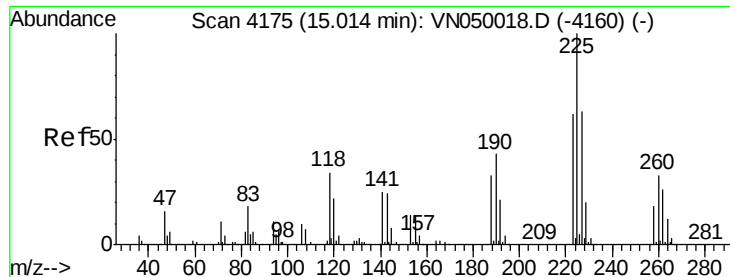
Ion 181.80 (181.50 to 182.50): VN050314.D (-4049) (-)

Ion 144.80 (144.50 to 145.50): VN050314.D (-4049) (-)



Time--> 14.90 14.95

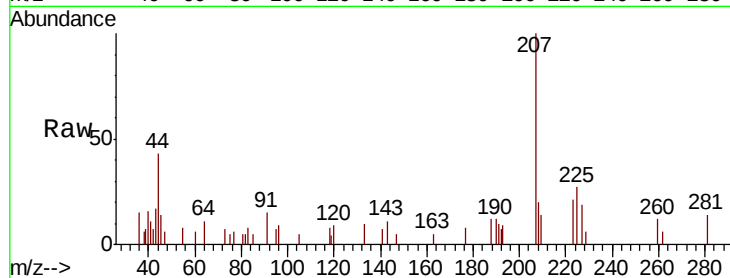




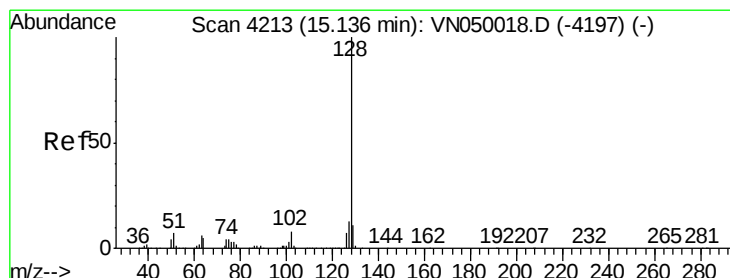
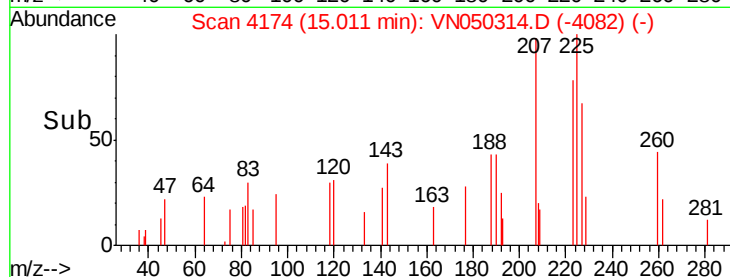
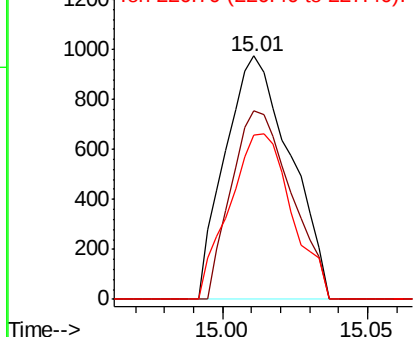
#94
Hexachlorobutadiene
Concen: 0.33 ug/l
RT: 15.01 min Scan# 4174
Delta R.T. -0.00 min
Lab File: VN050314.D
Acq: 3 Aug 2018 15:47

Instrument :
MSVOA_N
ClientSampleId :
PB111719TB

Tot Ion:225 Resp: 1522
Ion Ratio Lower Upper
225 100
223 71.3 31.4 94.2
227 65.0 32.1 96.5

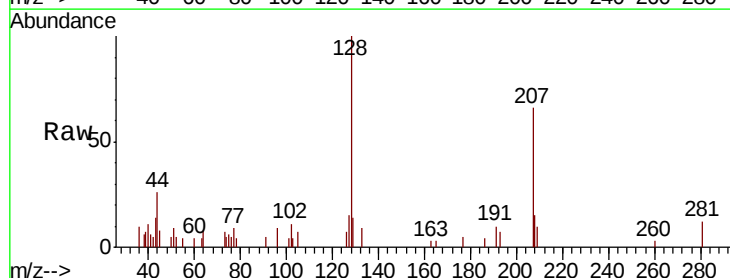


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

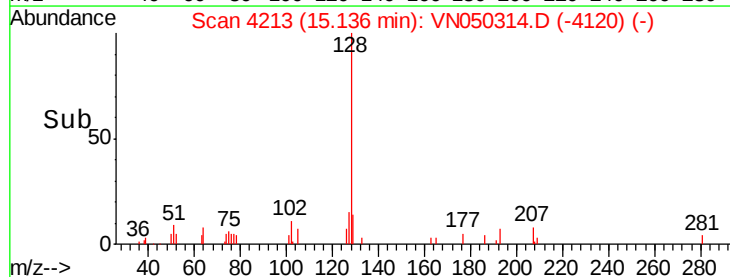
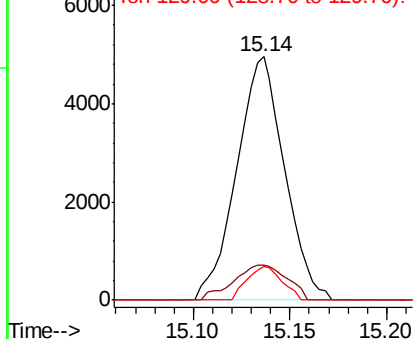


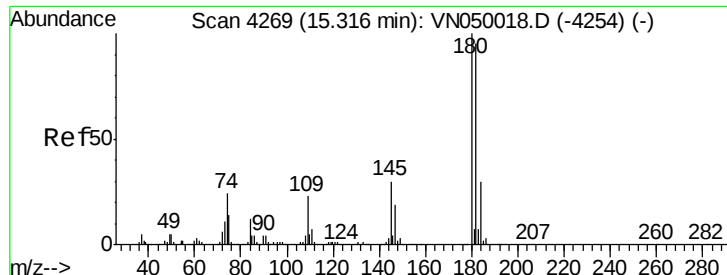
#95
Naphthalene
Concen: 4.83 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050314.D
Acq: 3 Aug 2018 15:47

Tgt Ion:128 Resp: 8525
Ion Ratio Lower Upper
128 100
127 16.0 10.4 15.6#
129 10.1 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





#96
 1,2,3-Trichlorobenzene
 Concen: 2.53 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN050314.D
 Acq: 3 Aug 2018 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	108.7	48.1	144.4
145	28.4	15.3	45.9

