

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050819.D
 Acq On : 22 Aug 2018 15:02
 Operator : MD\SY
 Sample : PB112269ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112269ZHE#01

Quant Time: Aug 23 01:05:33 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	718701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1172542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	997702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	401594	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	465936	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	
35) Dibromofluoromethane	7.59	113	438989	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
50) Toluene-d8	10.09	98	1587459	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	
62) 4-Bromofluorobenzene	12.40	95	493770	42.61	ug/l	0.00
Spiked Amount			Recovery	=	85.22%	

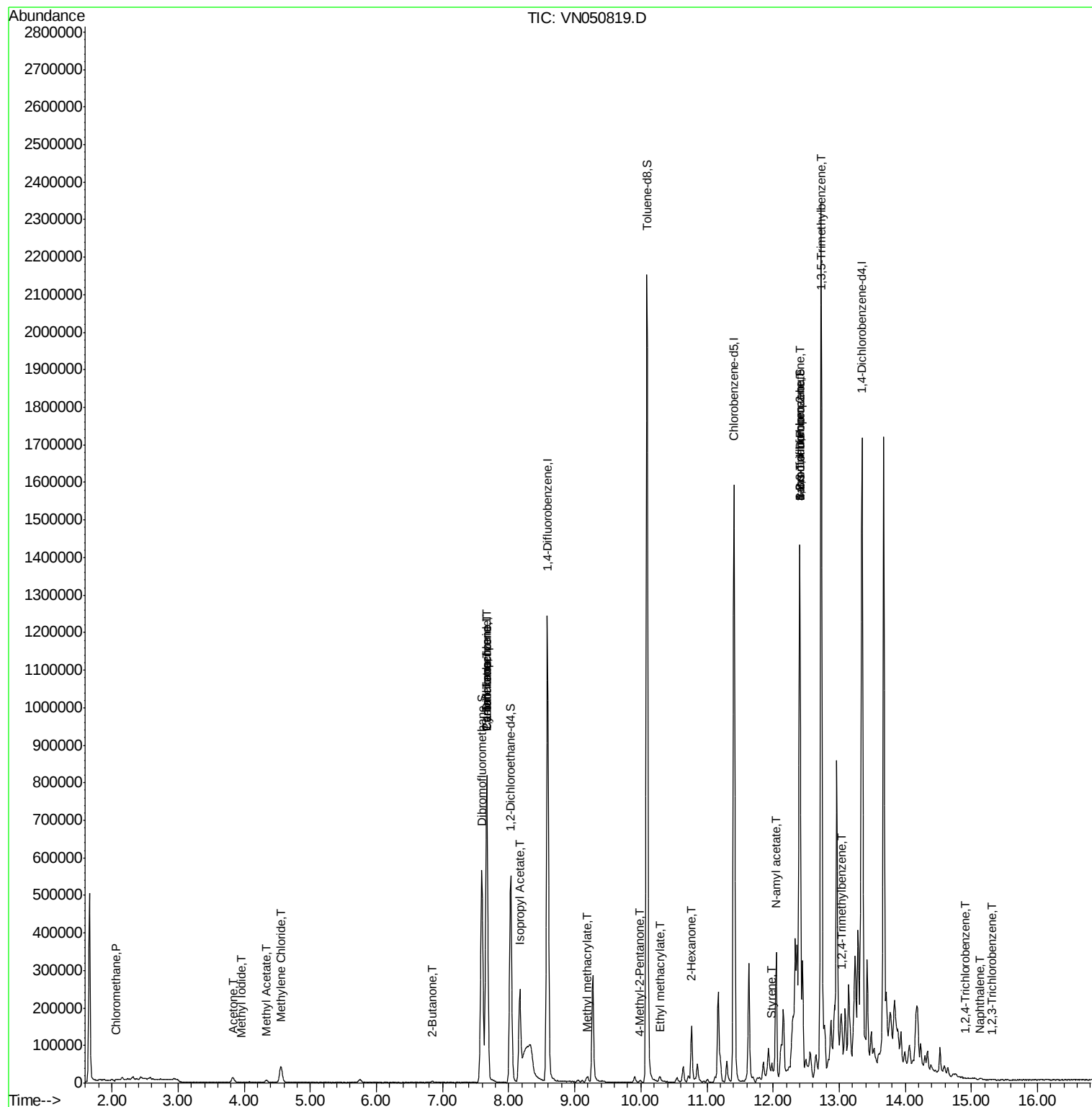
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2500	0.21	ug/l	# 83
5) Bromomethane	2.57	94	3577	Below	Cal	94
10) Methyl Iodide	3.96	142	1217	6.48	ug/l	# 55
16) Acetone	3.83	43	25188	5.38	ug/l	90
18) Methyl Acetate	4.33	43	11857	1.45	ug/l	# 74
20) Methylene Chloride	4.55	84	34156	3.50	ug/l	94
25) 2-Butanone	6.84	43	3458	0.99	ug/l	# 84
31) Cyclohexane	7.67	56	12334	1.30	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	49045	3.54	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	62388	4.46	ug/l	# 16
43) Isopropyl Acetate	8.17	43	307396	22.49	ug/l	98
48) Methyl methacrylate	9.18	41	8131	1.17	ug/l	# 16
51) 4-Methyl-2-Pentanone	9.99	43	3074	0.38	ug/l	# 72
56) Ethyl methacrylate	10.28	69	373	2.38	ug/l	# 1
59) 2-Hexanone	10.77	43	18571	3.42	ug/l	66
70) Styrene	11.97	104	616	1.29	ug/l	# 75
71) Bromoform	12.40	173	1379	0.21	ug/l	# 1
74) N-amyl acetate	12.04	43	64186	7.68	ug/l	# 70
75) 1,1,2,2-Tetrachloroethane	12.49	83	1997	Below	Cal	# 26
76) 1,2,3-Trichloropropane	12.40	75	232182	33.01	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.73	105	11034	0.41	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	232182	111.59	ug/l	# 15
84) 1,2,4-Trimethylbenzene	13.04	105	14821	0.55	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	446	4.14	ug/l	# 66
94) Hexachlorobutadiene	15.01	225	61	Below	Cal	# 1
95) Naphthalene	15.14	128	3493	5.59	ug/l	# 94
96) 1,2,3-Trichlorobenzene	15.31	180	356	3.34	ug/l	# 78

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
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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: VN050819.D

Acq: 22 Aug 2018 15:02

Instrument :

MSVOA_N

ClientSampleId :

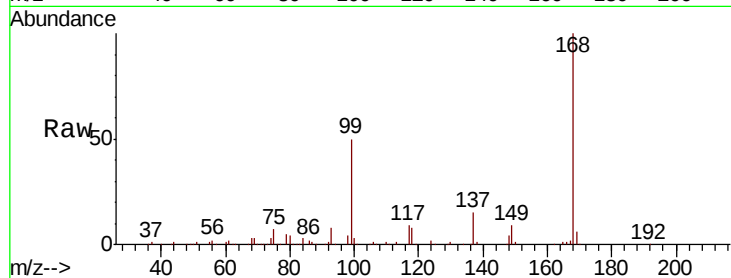
PB112269ZHE#01

Tot Ion:168 Resp: 718701

Ion Ratio Lower Upper

168 100

99 49.9 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

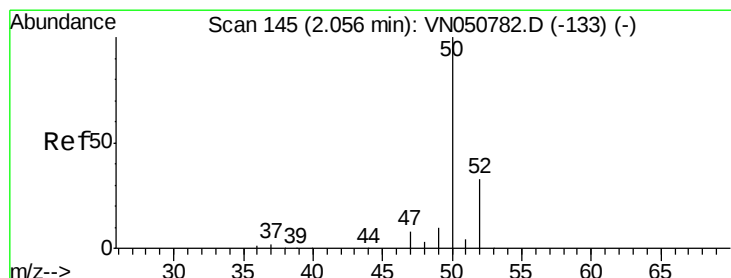
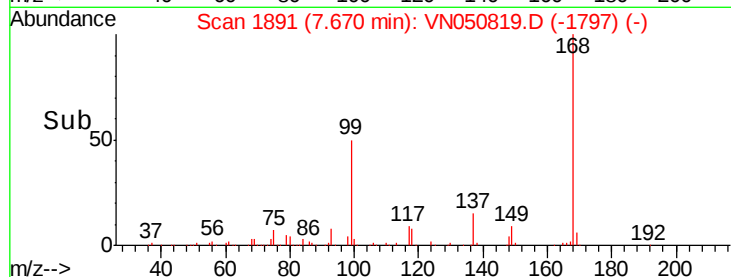
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050819.D

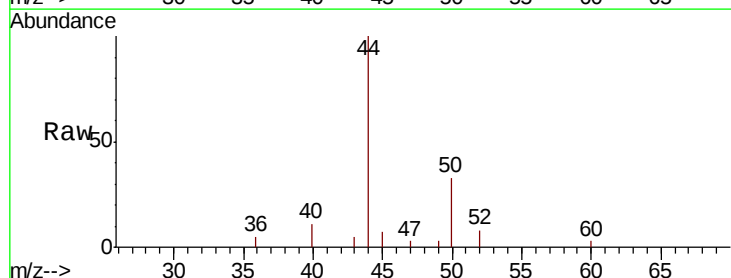
Acq: 22 Aug 2018 15:02

Tgt Ion: 50 Resp: 2500

Ion Ratio Lower Upper

50 100

52 23.6 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

2000

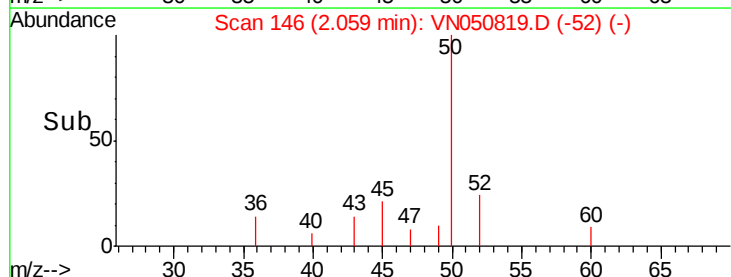
1500

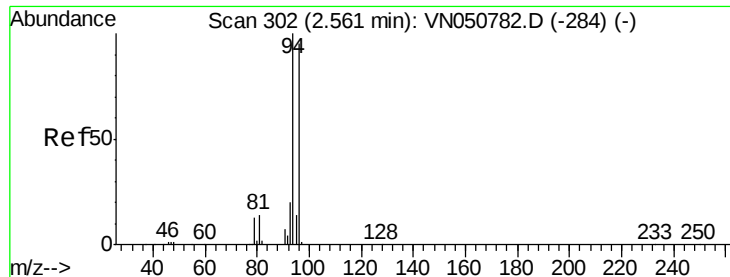
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

Instrument :

MSVOA_N

ClientSampleId :

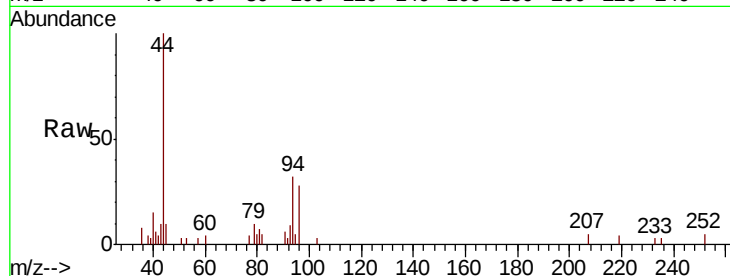
PB112269ZHE#01

Tot Ion: 94 Resp: 3577

Ion Ratio Lower Upper

94 100

96 89.6 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN050819.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050819.D (-284) (-)

Time-->

2.50 2.55 2.60

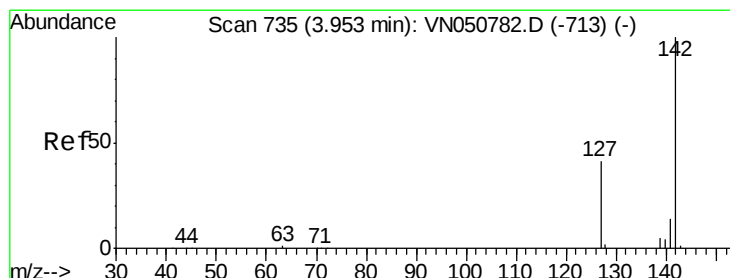
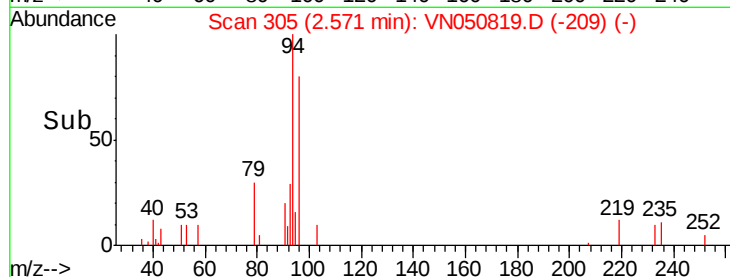
2.57

1500

1000

500

0



#10

Methyl Iodide

Concen: 6.48 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

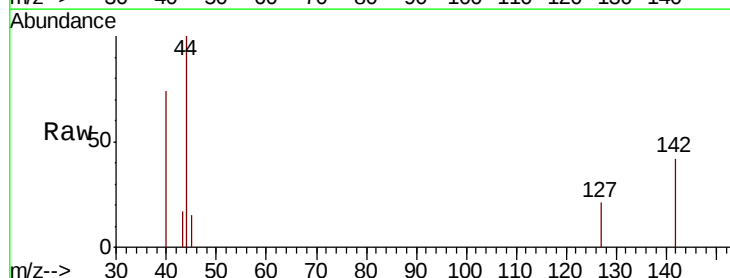
Tgt Ion: 142 Resp: 1217

Ion Ratio Lower Upper

142 100

127 9.3 31.7 47.5#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VN050819.D (-642) (-)

Ion 126.80 (126.50 to 127.50): VN050819.D (-642) (-)

Ion 140.80 (140.50 to 141.50): VN050819.D (-642) (-)

Time-->

3.90 3.95 4.00

3.96

600

500

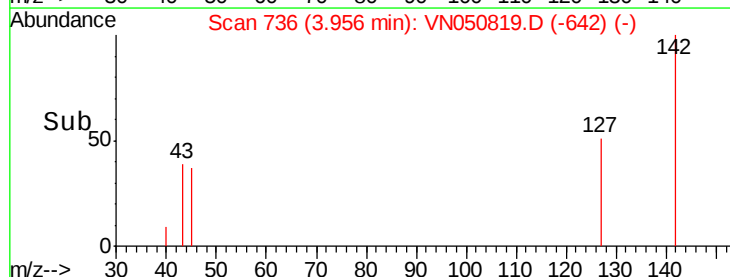
400

300

200

100

0





#16

Acetone

Concen: 5.38 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

Instrument :

MSVOA_N

ClientSampleId :

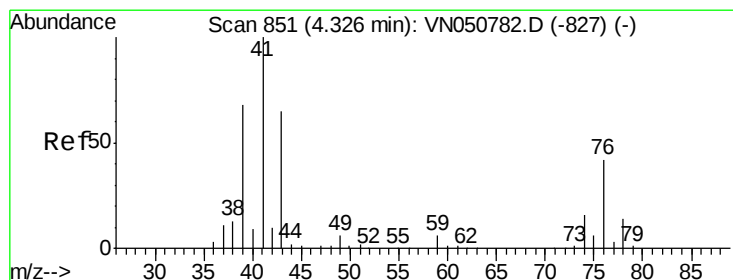
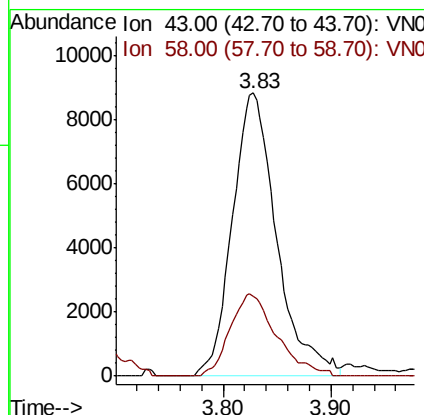
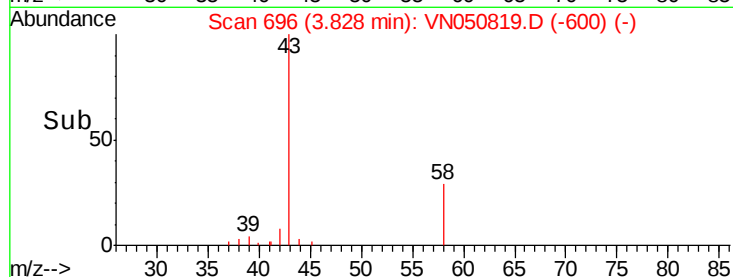
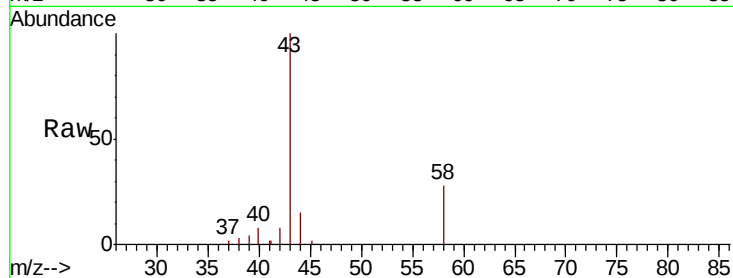
PB112269ZHE#01

Tot Ion: 43 Resp: 25188

Ion Ratio Lower Upper

43 100

58 28.3 27.2 40.8



#18

Methyl Acetate

Concen: 1.45 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN050819.D

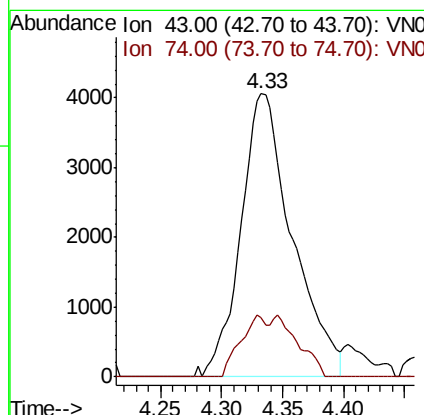
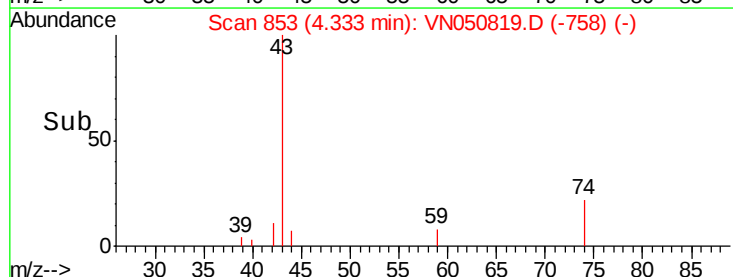
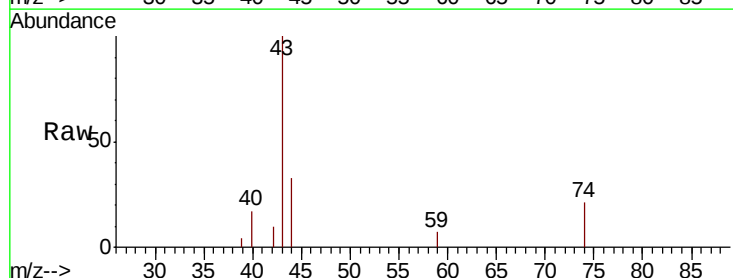
Acq: 22 Aug 2018 15:02

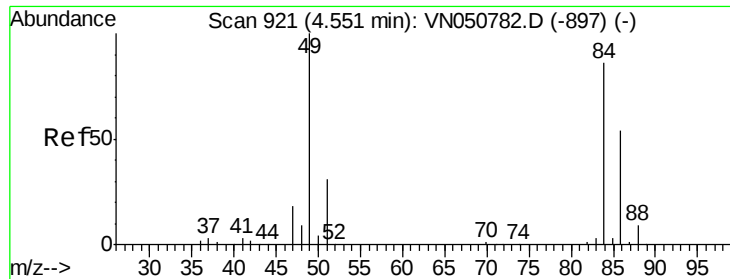
Tgt Ion: 43 Resp: 11857

Ion Ratio Lower Upper

43 100

74 11.7 19.8 29.8#

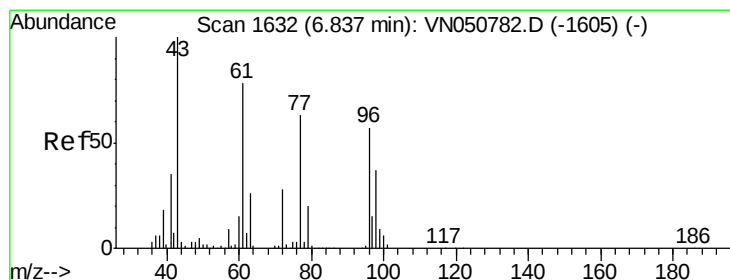
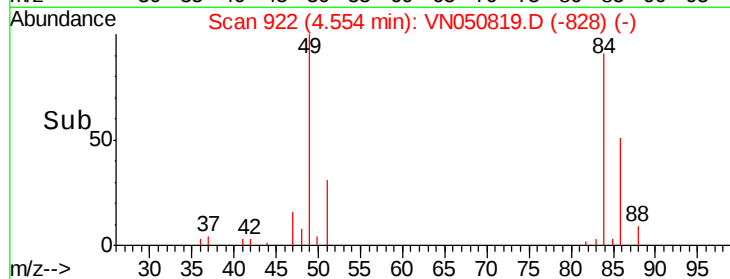
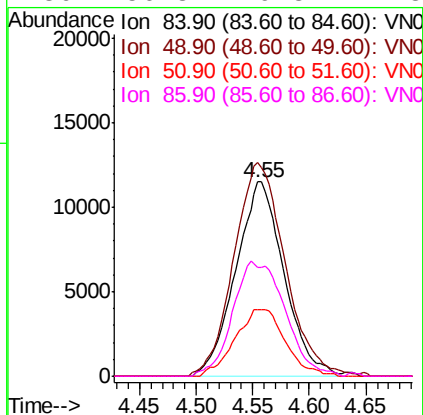
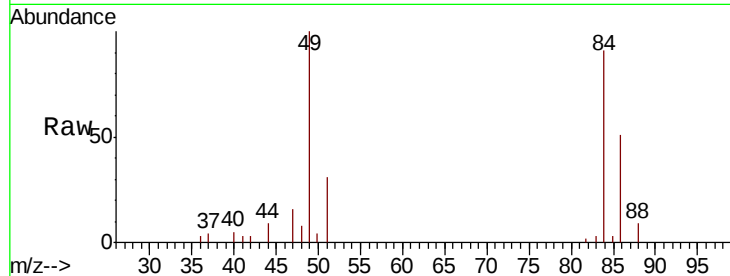




#20
Methvlene Chloride
Concen: 3.50 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050819.D
Acq: 22 Aug 2018 15:02

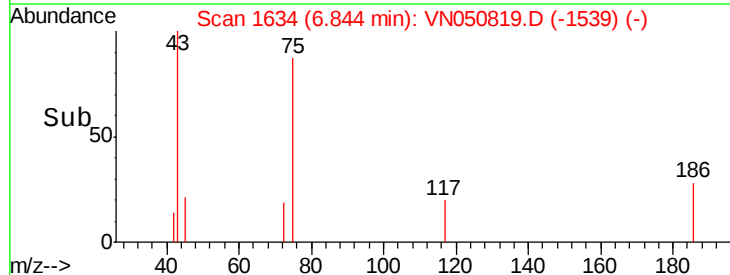
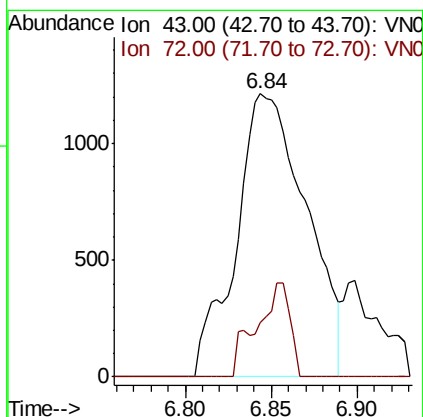
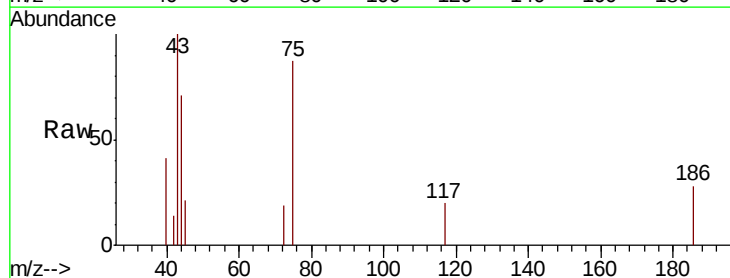
Instrument :
MSVOA_N
ClientSampleId :
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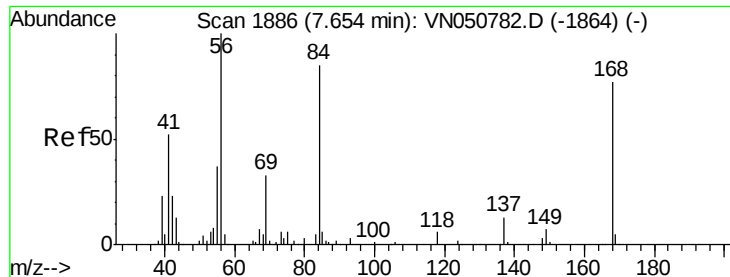
Tot Ion: 84 Resp: 34156
Ion Ratio Lower Upper
84 100
49 109.9 93.2 139.8
51 34.5 29.0 43.6
86 56.3 49.8 74.8



#25
2-Butanone
Concen: 0.99 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VN050819.D
Acq: 22 Aug 2018 15:02

Tgt Ion: 43 Resp: 3458
Ion Ratio Lower Upper
43 100
72 19.4 22.3 33.5#

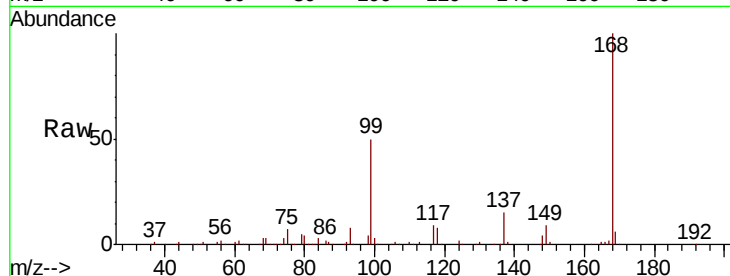




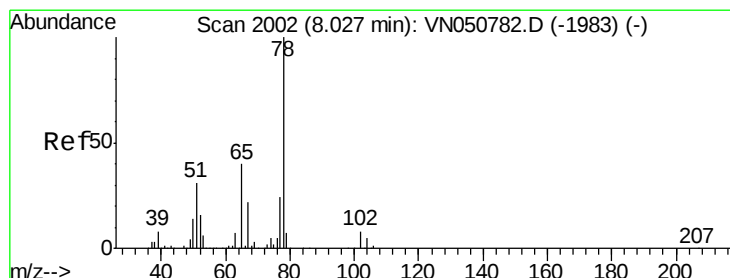
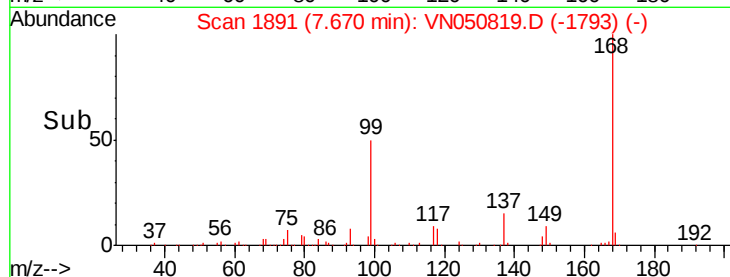
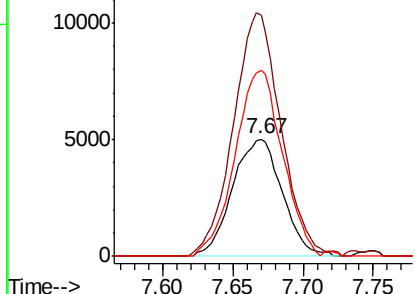
#31
Cyclohexane
Concen: 1.30 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN050819.D
Acq: 22 Aug 2018 15:02

Instrument :
MSVOA_N
ClientSampleId :
PB112269ZHE#01

Tot Ion: 56 Resp: 12334
Ion Ratio Lower Upper
56 100
69 205.6 26.2 39.4#
84 158.9 68.3 102.5#

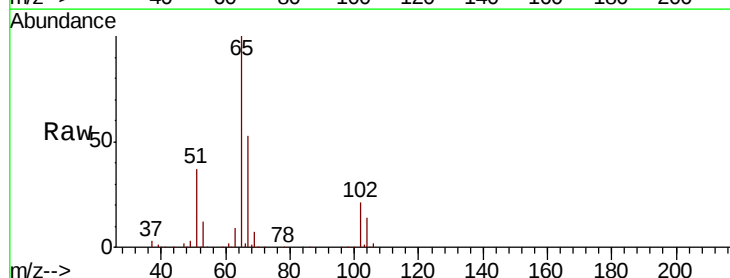


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

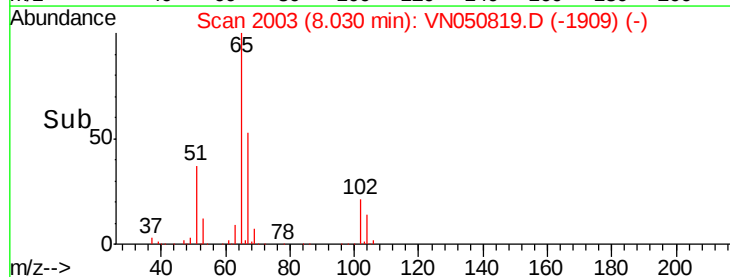
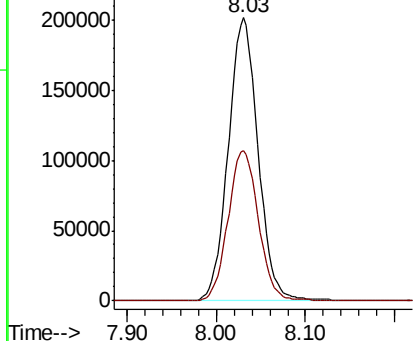


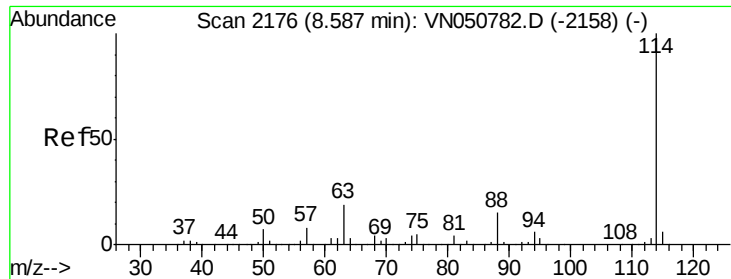
#33
1,2-Dichloroethane-d4
Concen: 53.85 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050819.D
Acq: 22 Aug 2018 15:02

Tgt Ion: 65 Resp: 465936
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

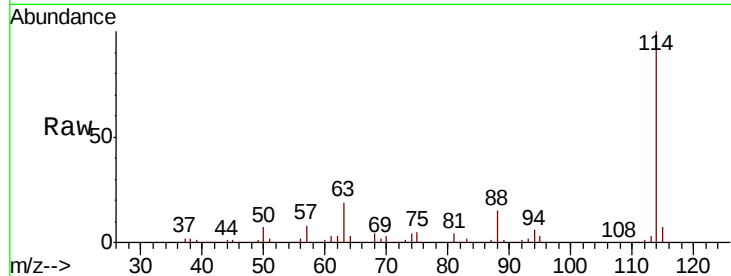




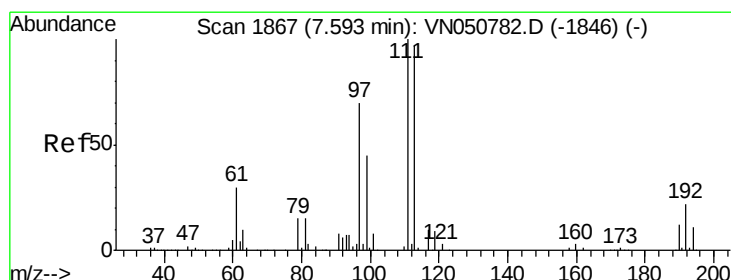
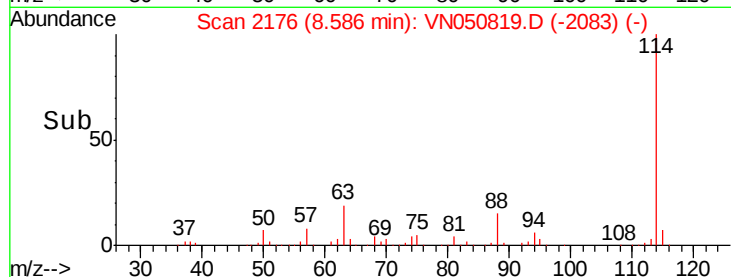
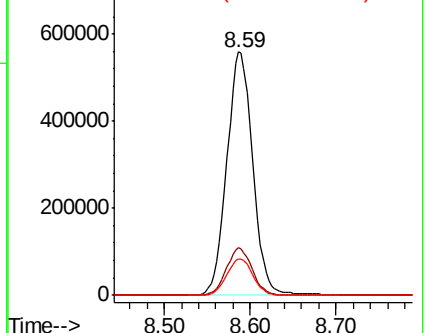
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050819.D
 Acq: 22 Aug 2018 15:02

Instrument :
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 PB112269ZHE#01

Tot Ion:114 Resp: 1172542
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.0 0.0 30.6

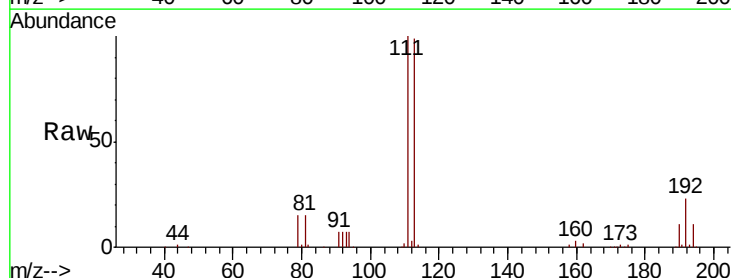


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

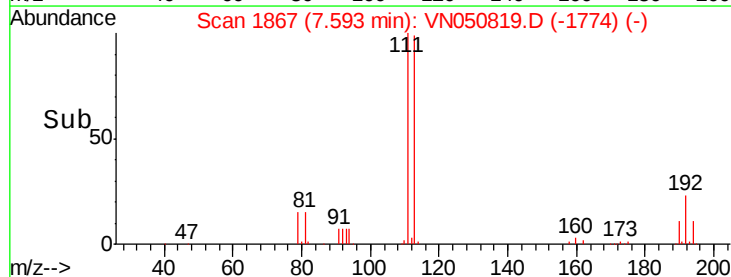
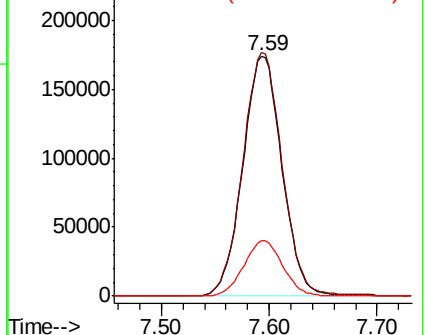


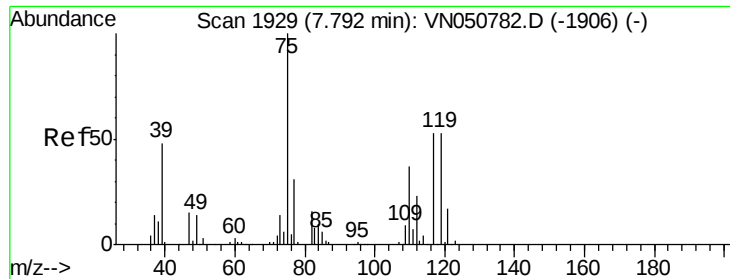
#35
 Dibromofluoromethane
 Concen: 47.06 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050819.D
 Acq: 22 Aug 2018 15:02

Tgt Ion:113 Resp: 438989
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 23.0 18.0 27.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

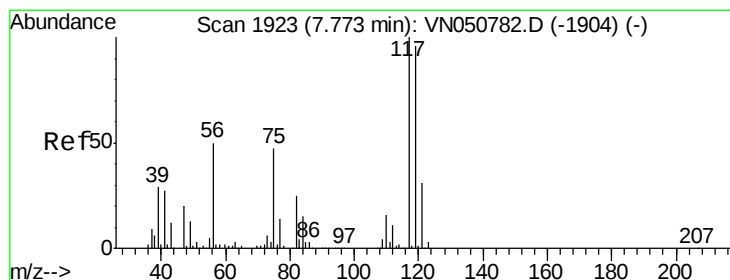
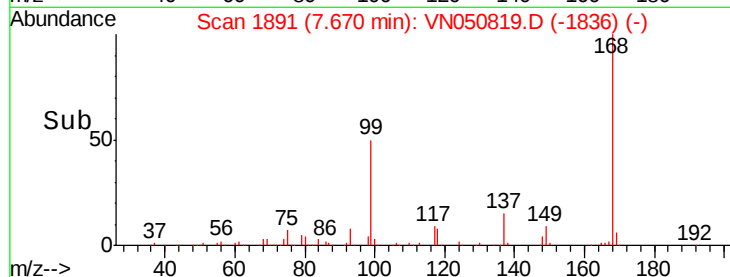
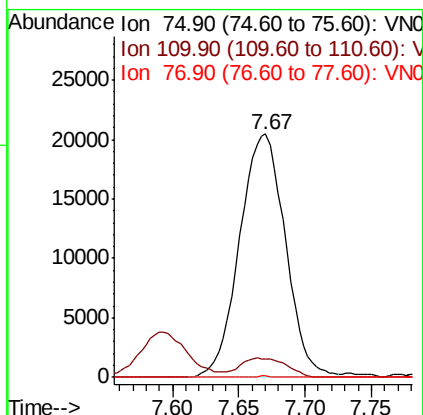
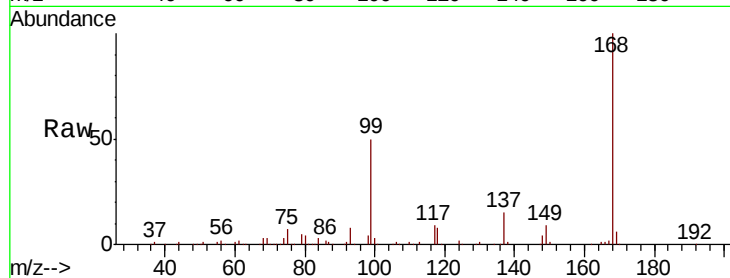




#36
 1,1-Dichloropropene
 Concen: 3.54 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN050819.D
 Acq: 22 Aug 2018 15:02

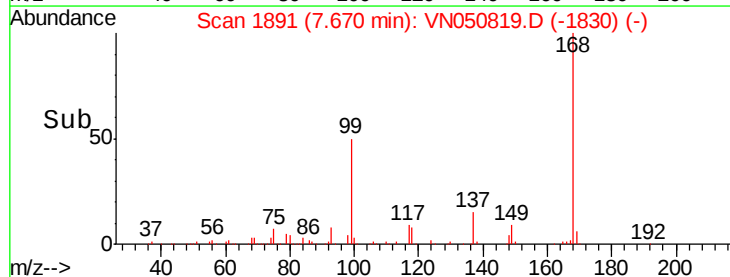
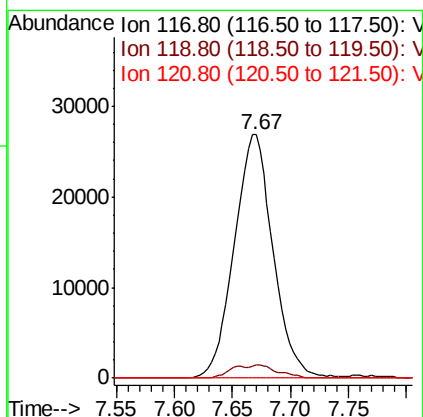
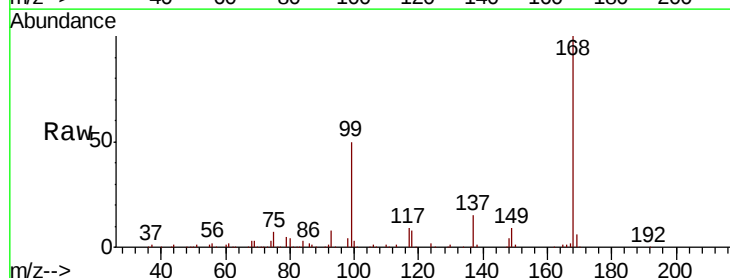
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112269ZHE#01

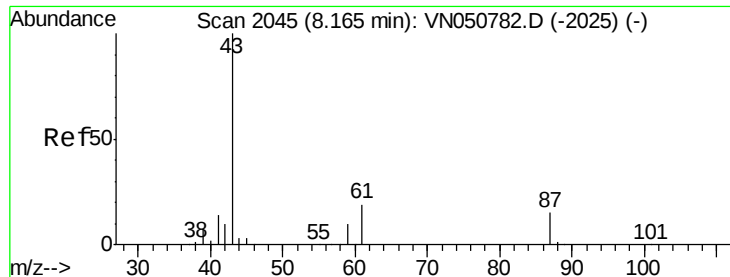
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.1	54.4#
77	0.1	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 4.46 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.10 min
 Lab File: VN050819.D
 Acq: 22 Aug 2018 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.3	114.5#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 22.49 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

Instrument :

MSVOA_N

ClientSampleId :

PB112269ZHE#01

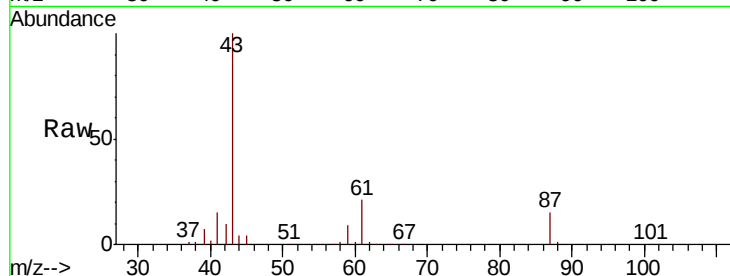
Tot Ion: 43 Resp: 307396

Ion Ratio Lower Upper

43 100

61 20.6 17.5 26.3

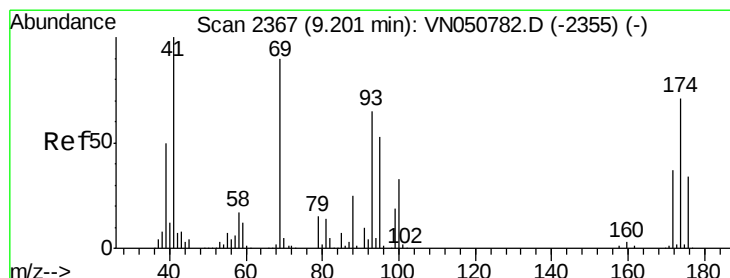
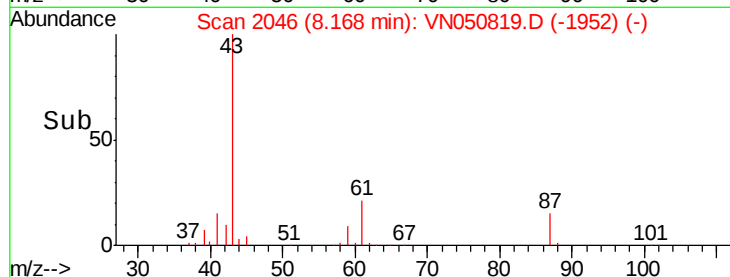
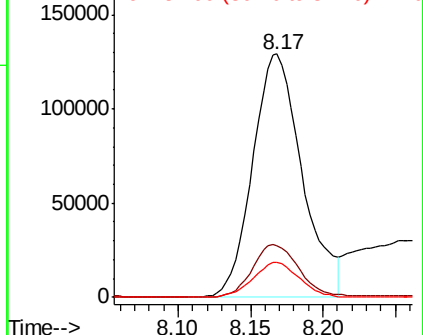
87 13.5 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.17 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

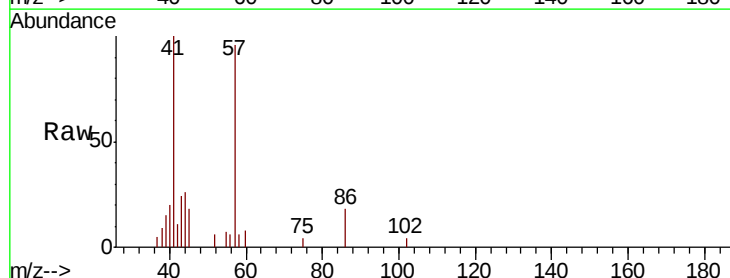
Tgt Ion: 41 Resp: 8131

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

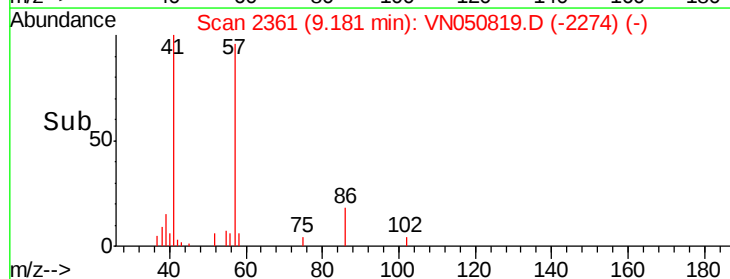
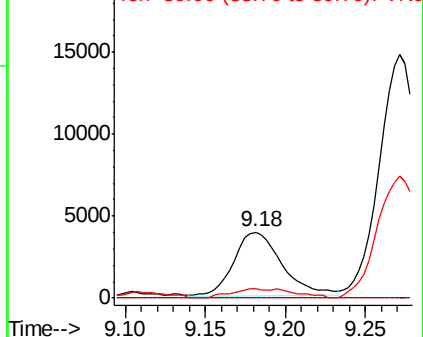
39 10.3 42.2 63.2#

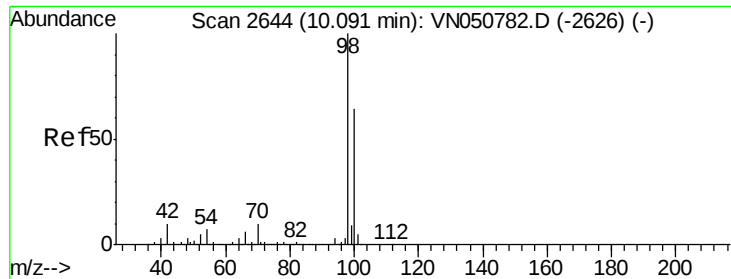


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 45.52 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

Instrument :

MSVOA_N

ClientSampleId :

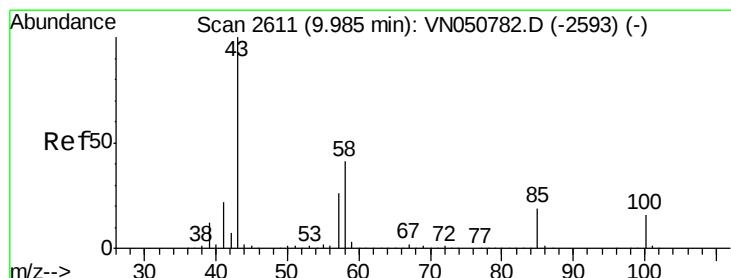
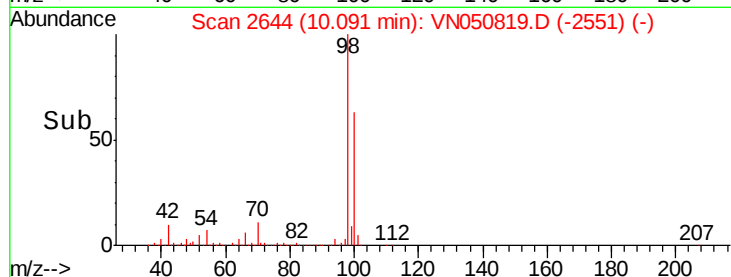
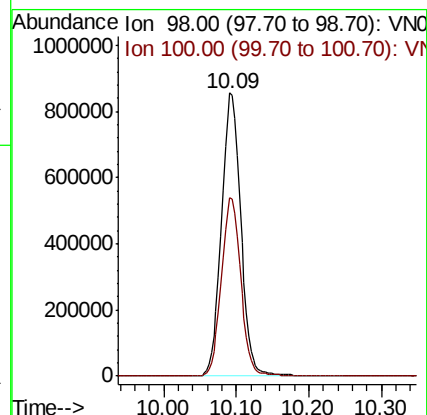
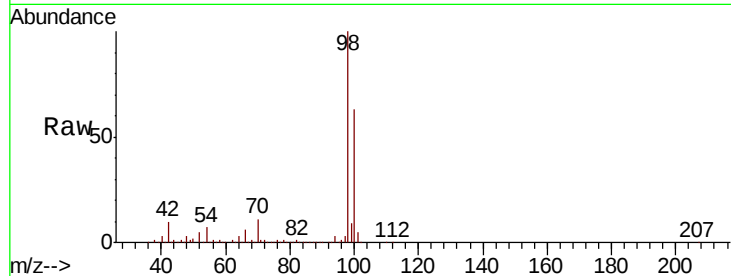
PB112269ZHE#01

Tot Ion: 98 Resp: 1587459

Ion Ratio Lower Upper

98 100

100 63.3 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 0.38 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050819.D

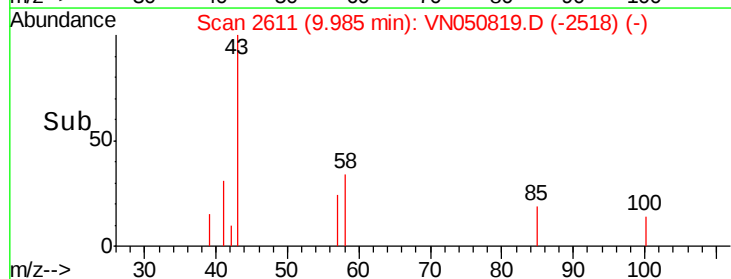
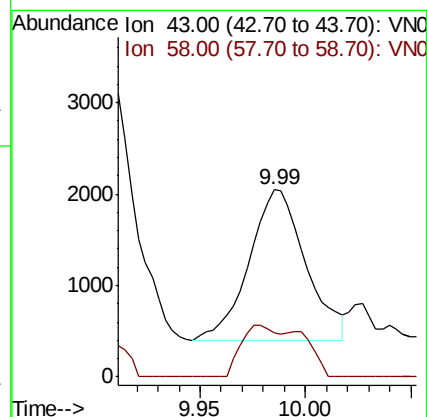
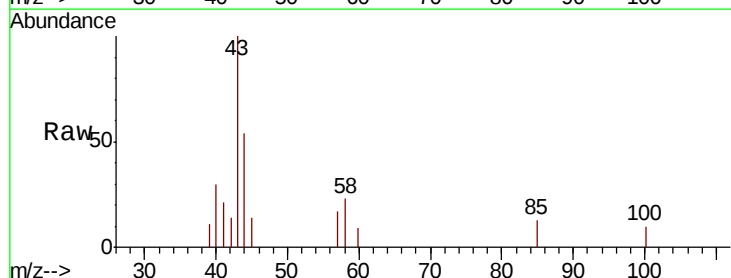
Acq: 22 Aug 2018 15:02

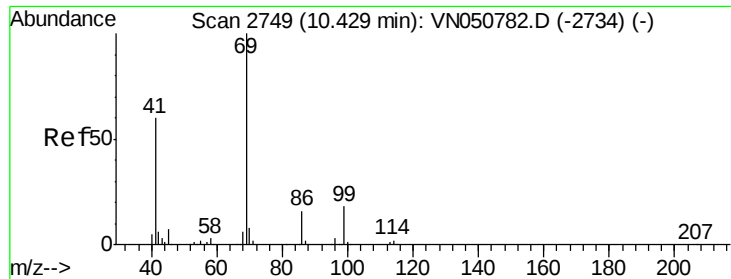
Tgt Ion: 43 Resp: 3074

Ion Ratio Lower Upper

43 100

58 22.8 32.4 48.6#





#56

Ethyl methacrylate

Concen: 2.38 ug/l

RT: 10.28 min Scan# 2703

Delta R.T. -0.15 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

Instrument :

MSVOA_N

ClientSampleId :

PB112269ZHE#01

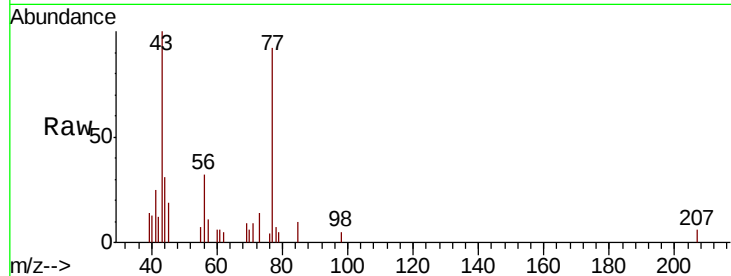
Tot Ion: 69 Resp: 373

Ion Ratio Lower Upper

69 100

41 507.8 48.3 72.5#

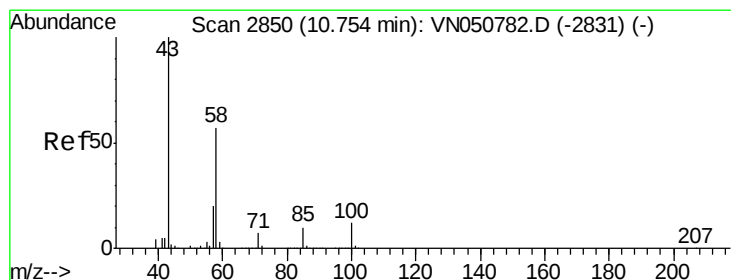
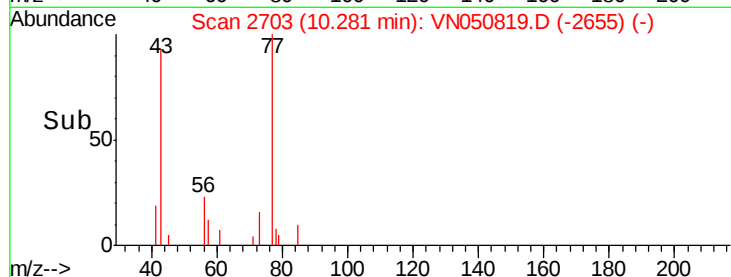
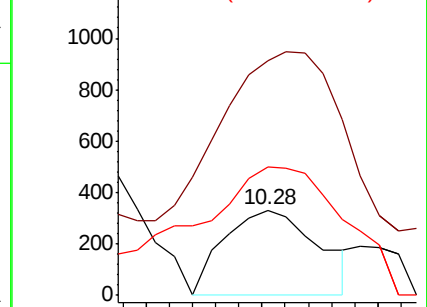
39 241.0 24.0 36.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 3.42 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050819.D

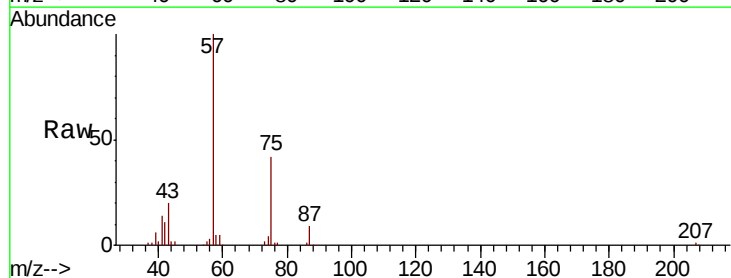
Acq: 22 Aug 2018 15:02

Tgt Ion: 43 Resp: 18571

Ion Ratio Lower Upper

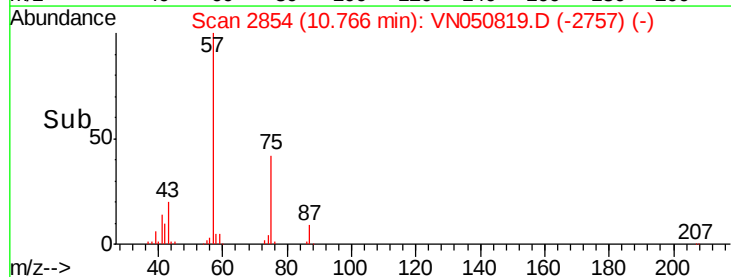
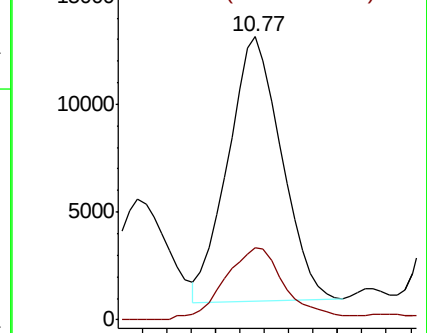
43 100

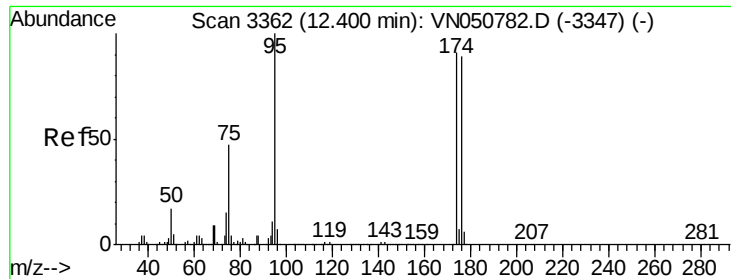
58 31.5 28.3 85.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

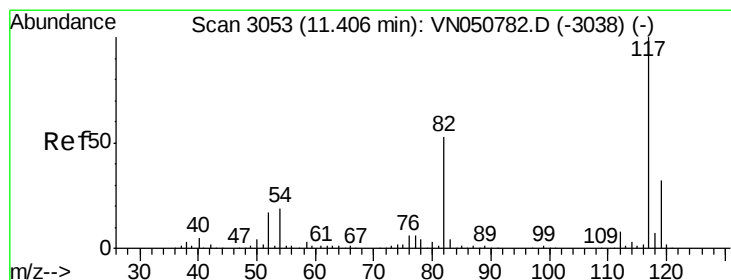
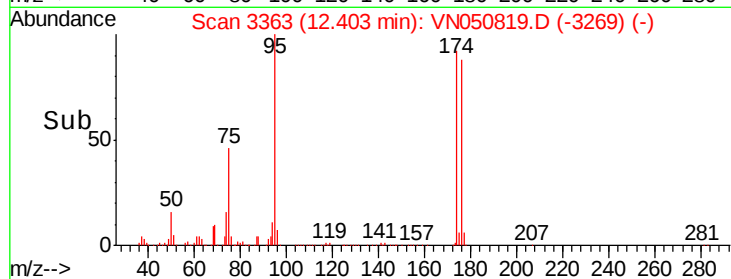
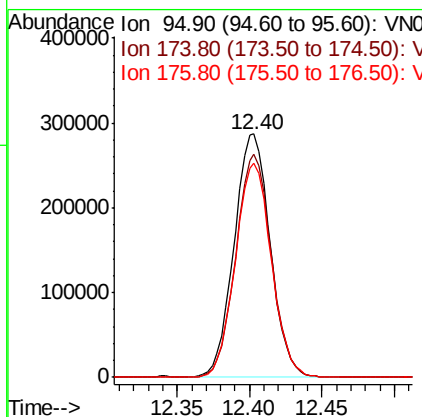
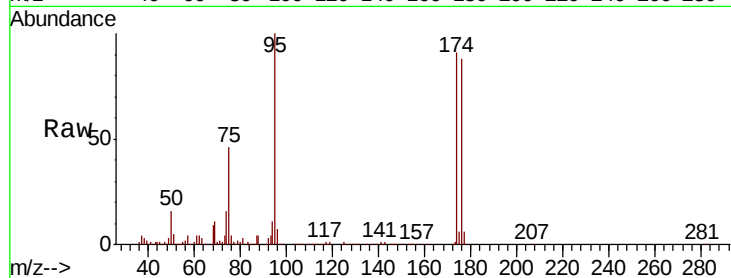




#62
4-Bromofluorobenzene
Concen: 42.61 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050819.D
Acq: 22 Aug 2018 15:02

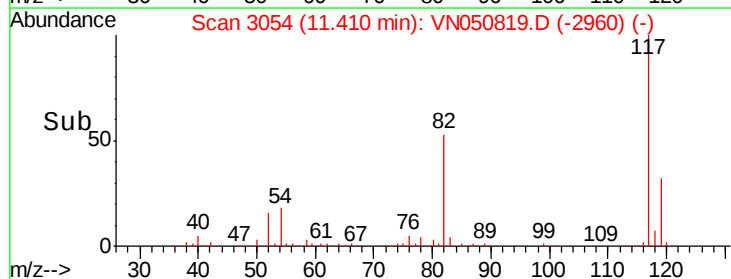
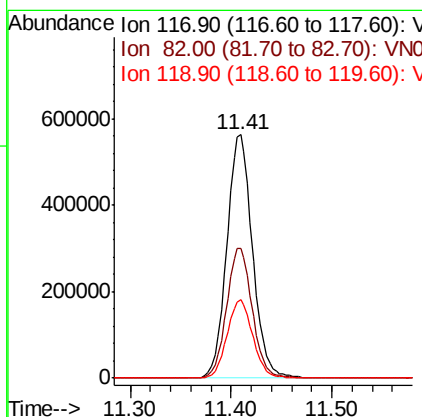
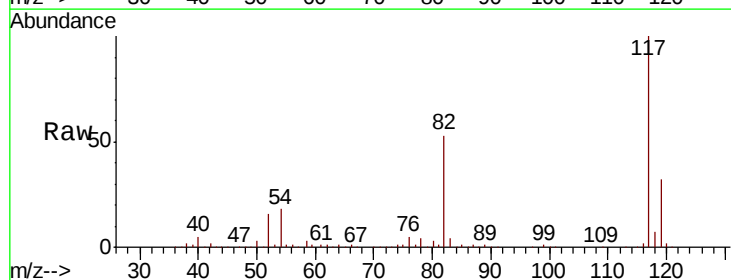
Instrument :
MSVOA_N
ClientSampleId :
PB112269ZHE#01

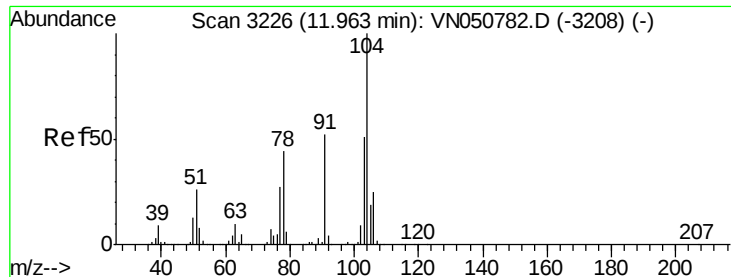
Tot Ion: 95 Resp: 493770
Ion Ratio Lower Upper
95 100
174 90.9 0.0 183.0
176 88.4 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050819.D
Acq: 22 Aug 2018 15:02

Tgt Ion: 117 Resp: 997702
Ion Ratio Lower Upper
117 100
82 53.3 42.6 64.0
119 32.0 25.8 38.6





#70

Stvrene

Concen: 1.29 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.01 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

Instrument :

MSVOA_N

ClientSampleId :

PB112269ZHE#01

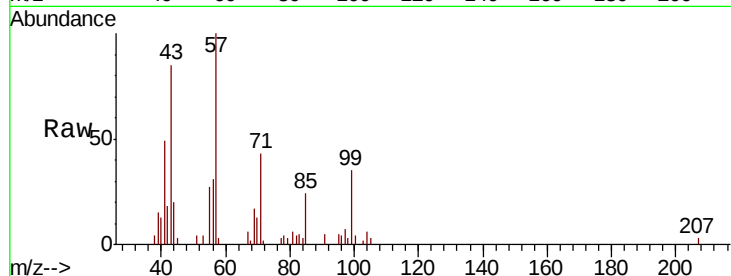
Tot Ion:104 Resp: 616

Ion Ratio Lower Upper

104 100

78 67.0 38.2 57.4#

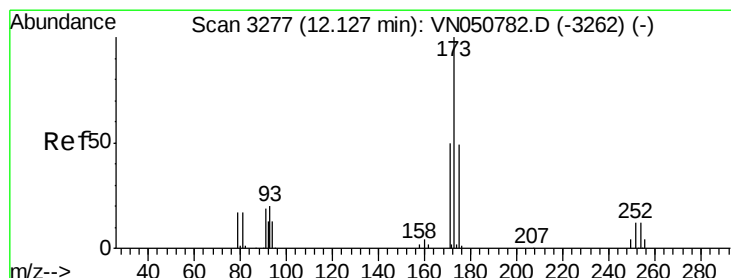
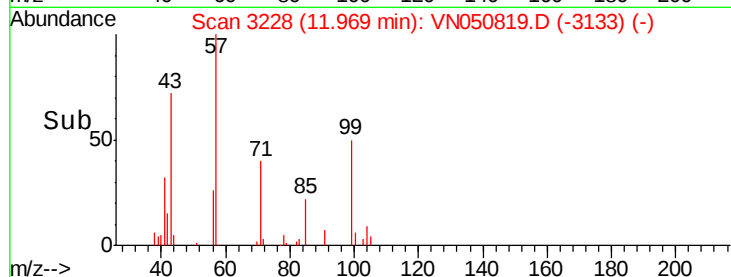
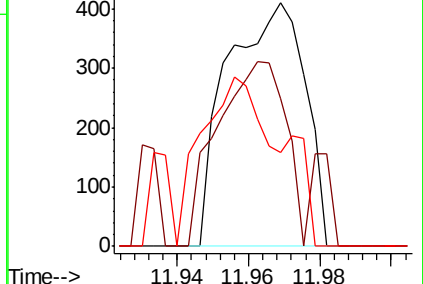
103 70.9 44.4 66.6#



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



#71

Bromoform

Concen: 0.21 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

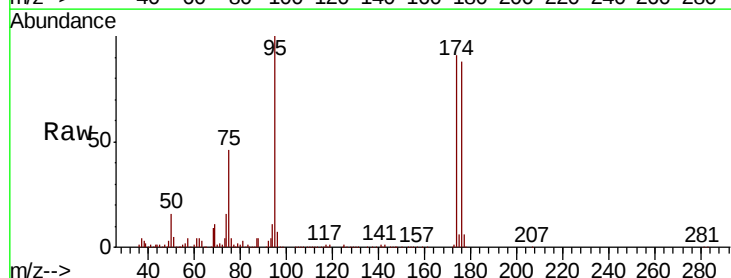
Tgt Ion:173 Resp: 1379

Ion Ratio Lower Upper

173 100

175 2001.8 24.4 73.4#

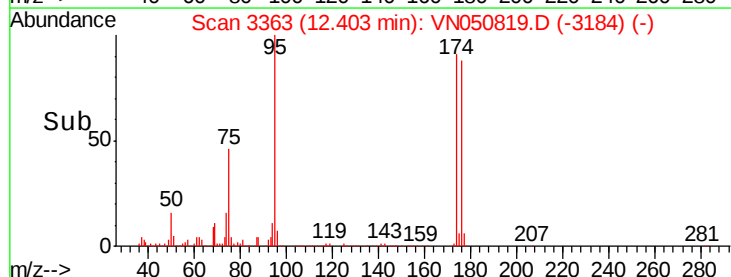
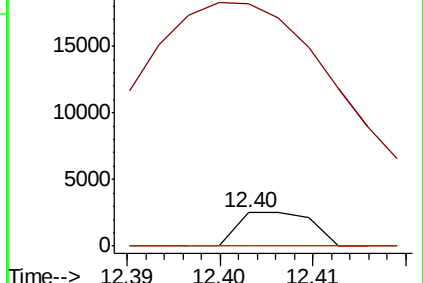
254 0.0 0.1 0.1#

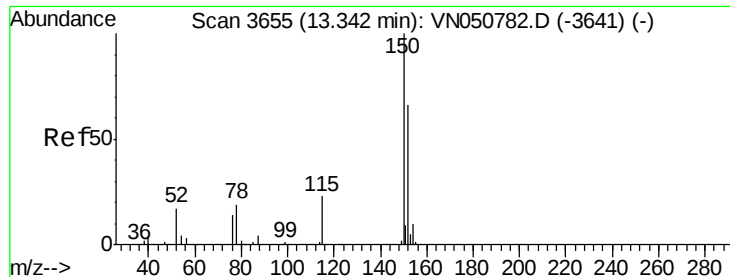


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

Instrument :

MSVOA_N

ClientSampleId :

PB112269ZHE#01

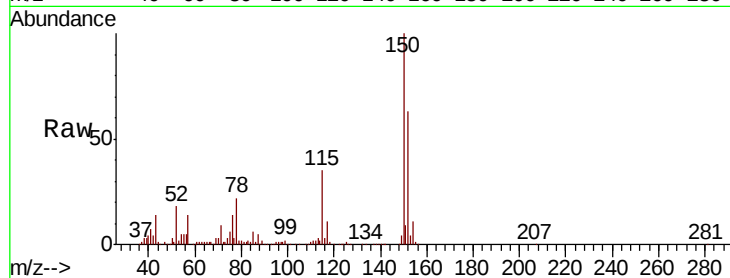
Tot Ion:152 Resp: 401594

Ion Ratio Lower Upper

152 100

115 56.8 27.8 83.4

150 158.2 0.0 351.4

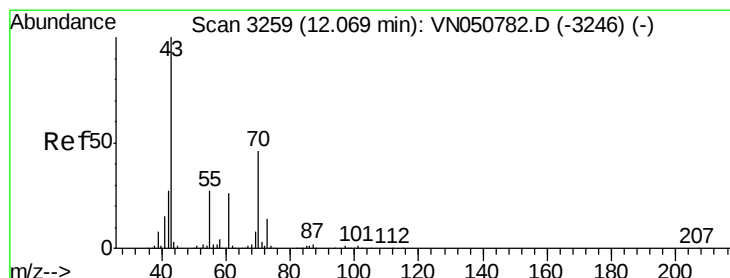
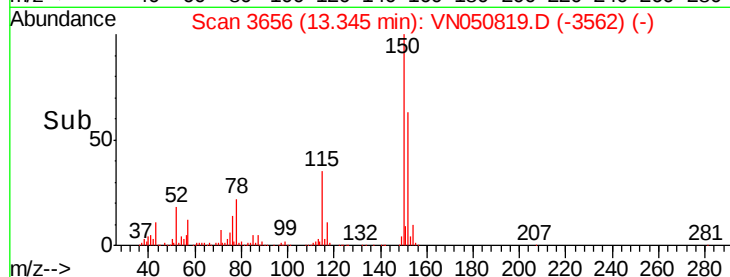
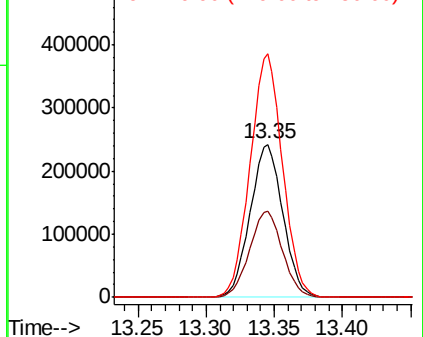


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 7.68 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. -0.03 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

Tgt Ion: 43 Resp: 64186

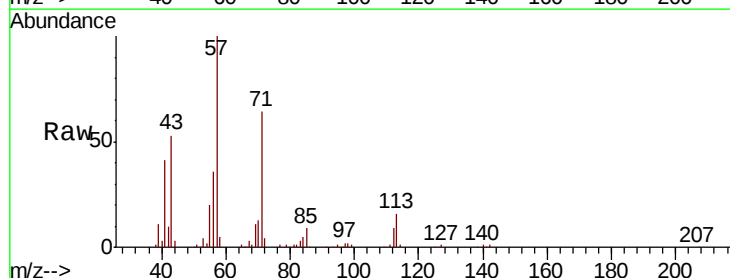
Ion Ratio Lower Upper

43 100

70 25.9 36.2 54.2#

55 34.0 21.8 32.8#

61 0.0 20.5 30.7#



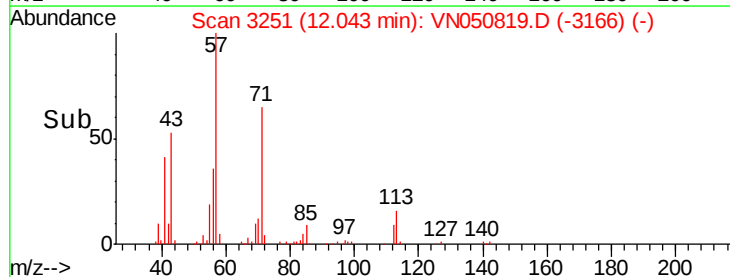
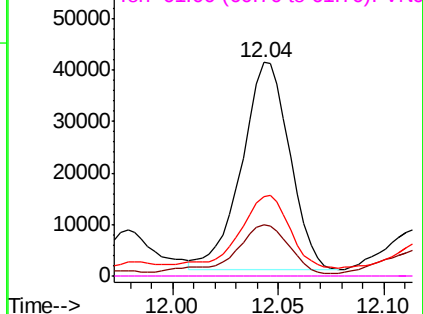
Abundance

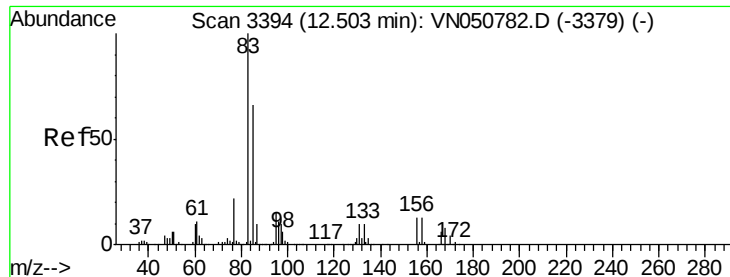
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3389

Delta R.T. -0.02 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

Instrument :

MSVOA_N

ClientSampleId :

PB112269ZHE#01

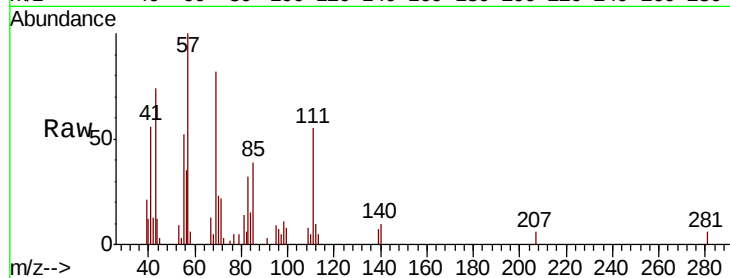
Tot Ion: 83 Resp: 1997

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

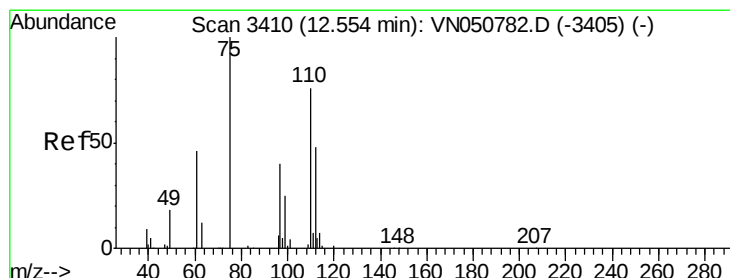
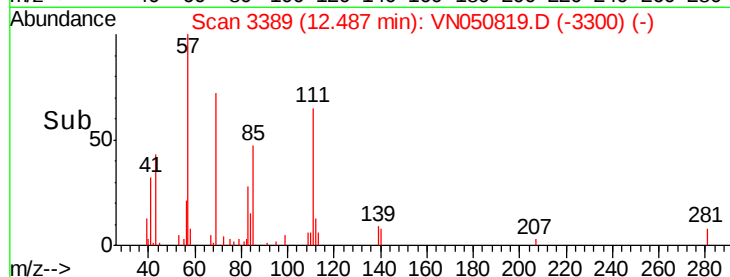
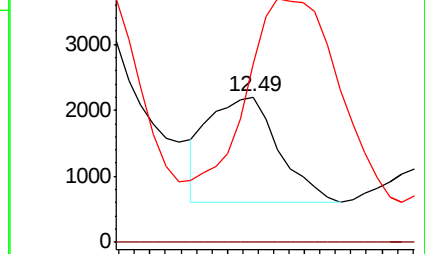
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.01 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.15 min

Lab File: VN050819.D

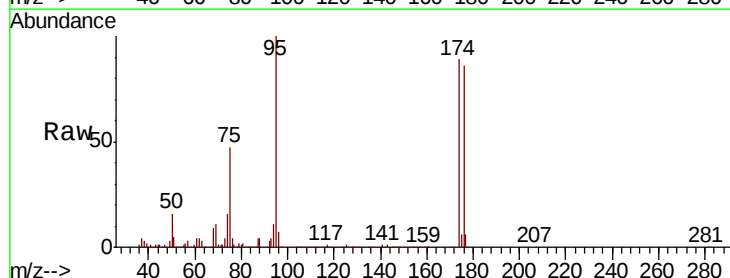
Acq: 22 Aug 2018 15:02

Tgt Ion: 75 Resp: 232182

Ion Ratio Lower Upper

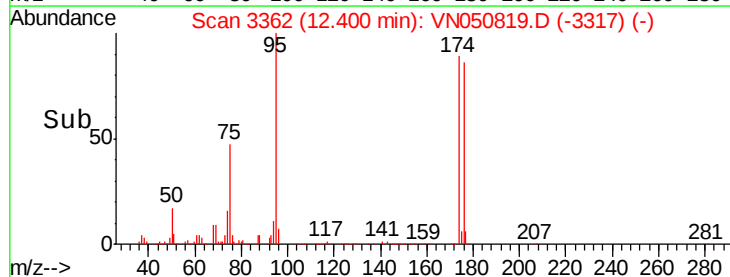
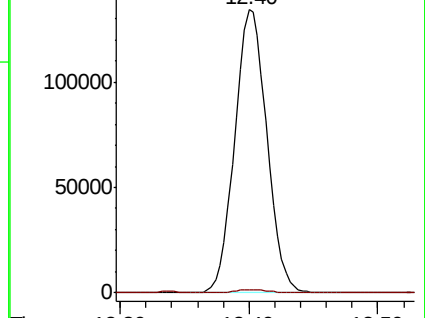
75 100

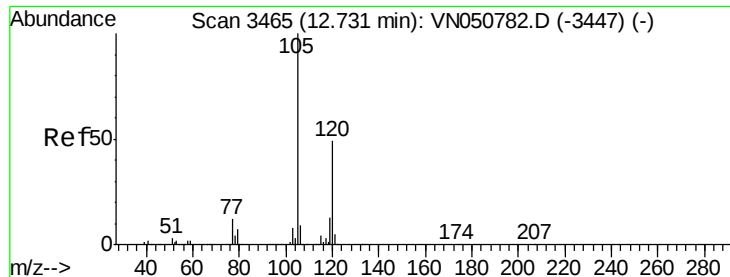
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.41 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

Instrument :

MSVOA_N

ClientSampleId :

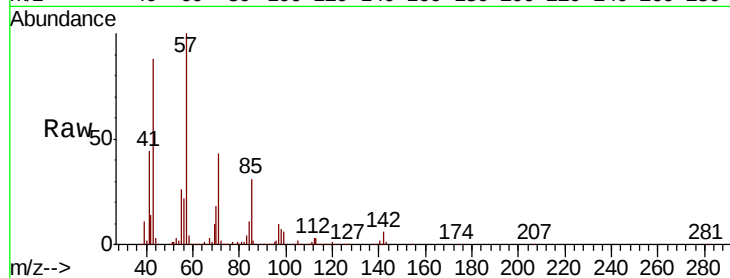
PB112269ZHE#01

Tot Ion:105 Resp: 11034

Ion Ratio Lower Upper

105 100

120 50.8 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

8000

6000

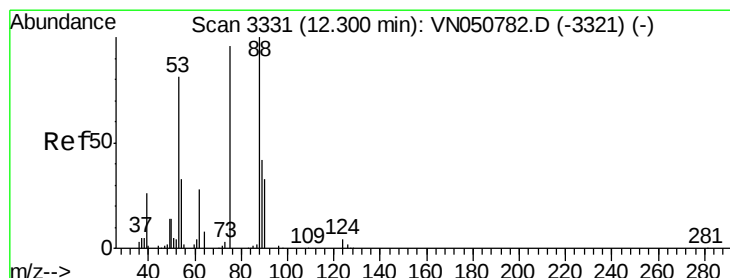
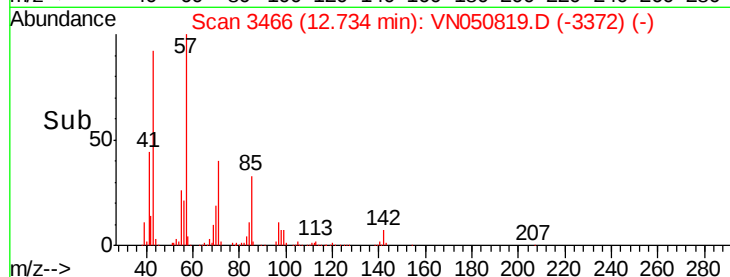
4000

2000

0

12.70 12.75

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 111.59 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.10 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

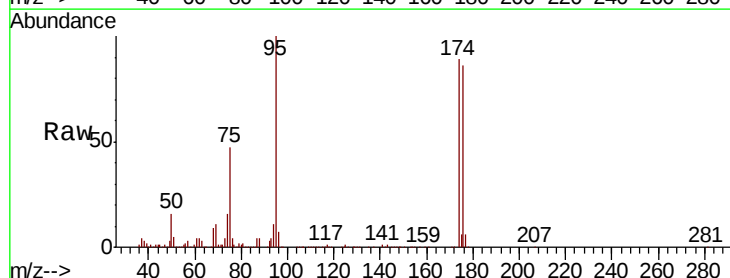
Tgt Ion: 75 Resp: 232182

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

150000

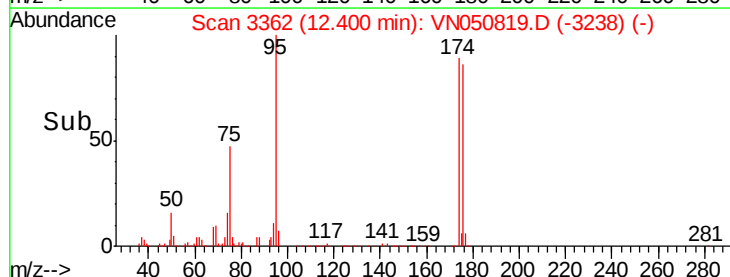
100000

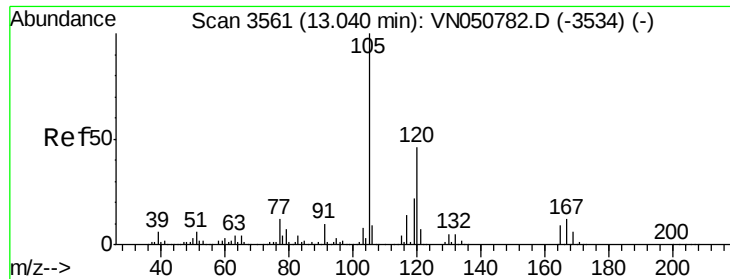
50000

0

12.30 12.40 12.50

Time-->

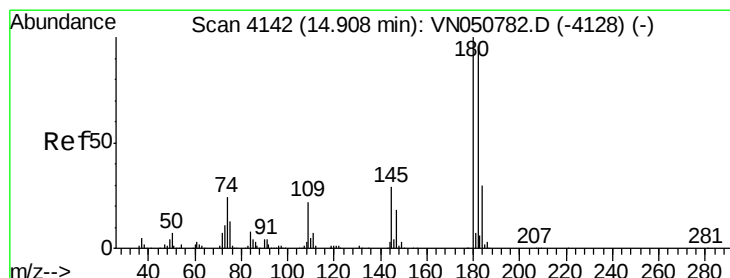
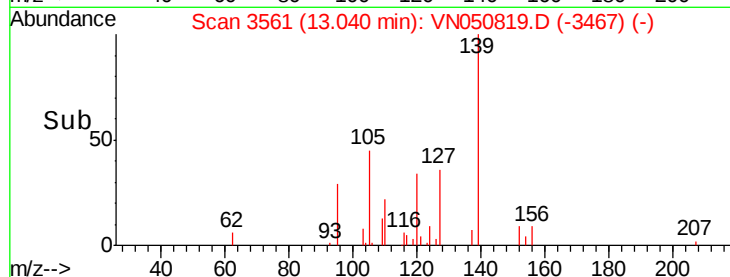
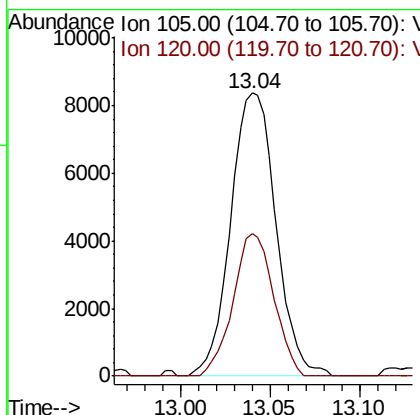
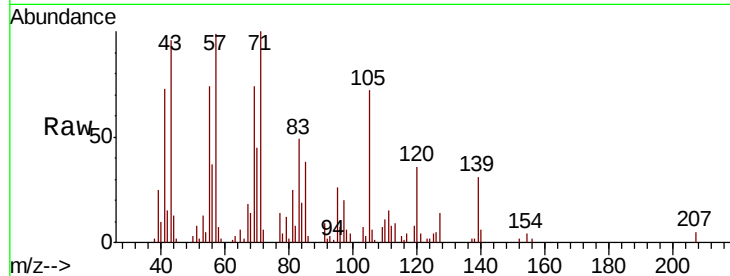




#84
 1,2,4-Trimethylbenzene
 Concen: 0.55 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050819.D
 Acq: 22 Aug 2018 15:02

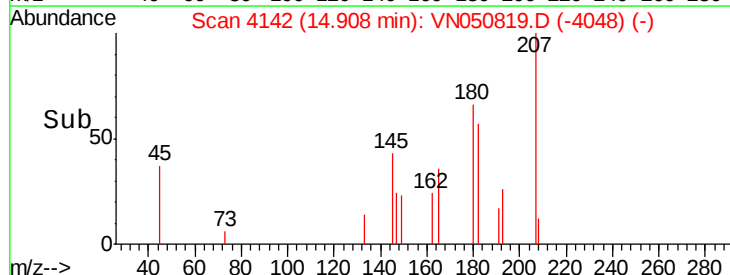
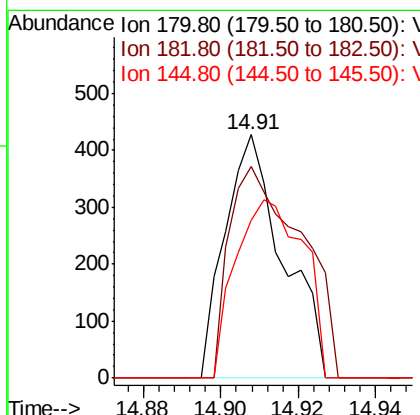
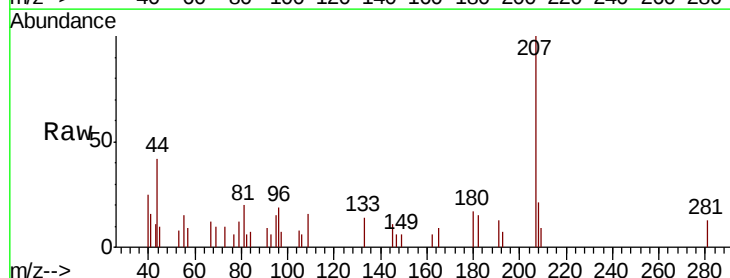
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112269ZHE#01

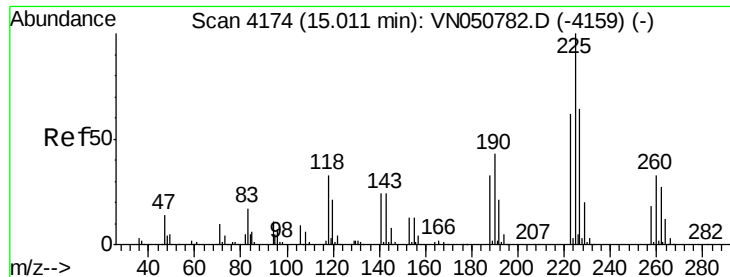
Tot Ion:105 Resp: 14821
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.9 68.8



#93
 1,2,4-Trichlorobenzene
 Concen: 4.14 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050819.D
 Acq: 22 Aug 2018 15:02

Tgt Ion:180 Resp: 446
 Ion Ratio Lower Upper
 180 100
 182 107.6 48.2 144.6
 145 85.9 14.1 42.2#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4174

Delta R.T. 0.00 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

Instrument :

MSVOA_N

ClientSampleId :

PB112269ZHE#01

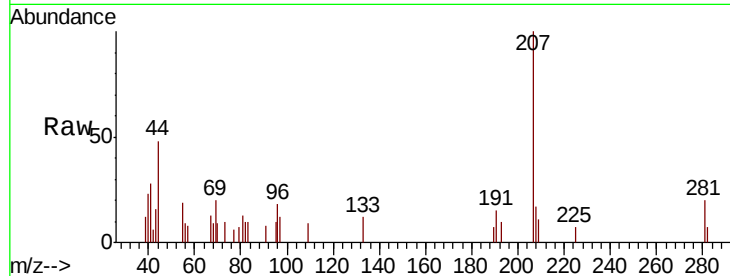
Tot Ion:225 Resp: 61

Ion Ratio Lower Upper

225 100

223 168.9 31.3 93.8#

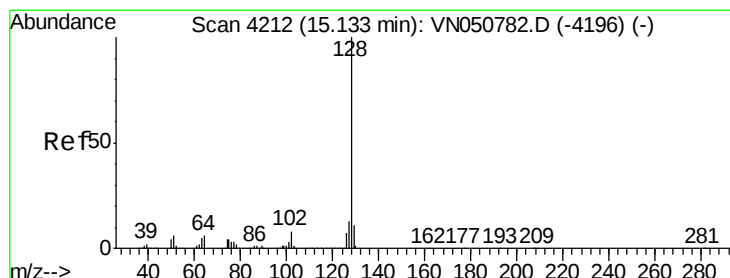
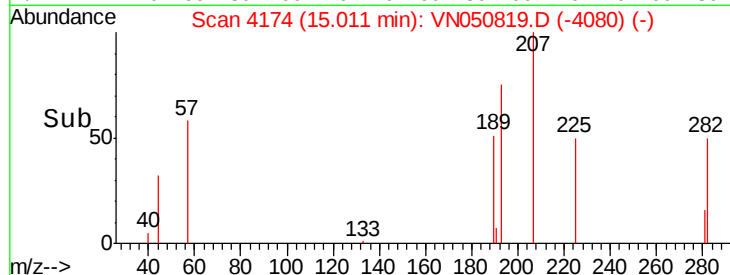
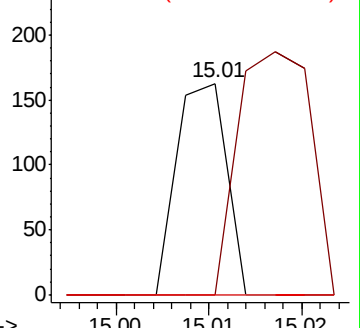
227 0.0 32.0 96.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.59 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

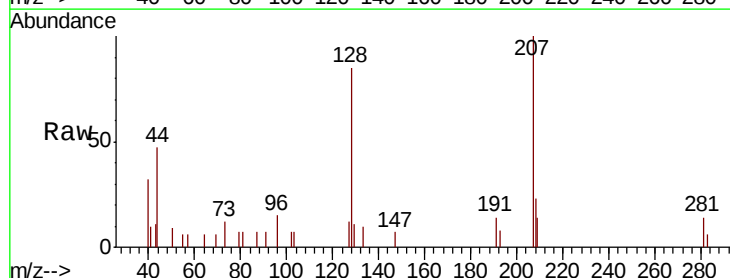
Tgt Ion:128 Resp: 3493

Ion Ratio Lower Upper

128 100

127 8.7 10.5 15.7#

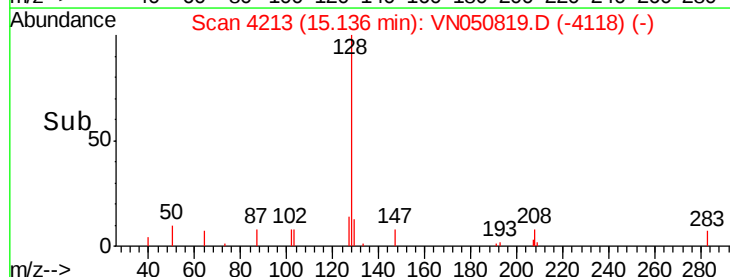
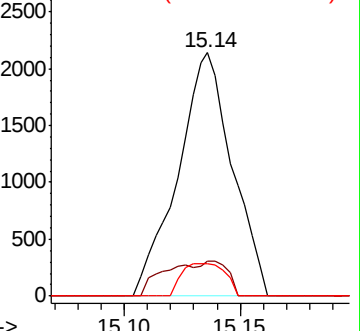
129 10.6 8.7 13.1

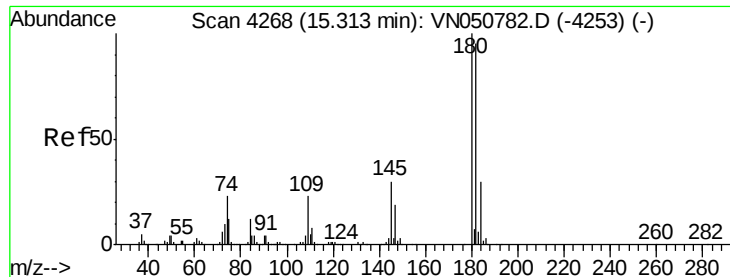


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 3.34 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050819.D

Acq: 22 Aug 2018 15:02

Instrument :

MSVOA_N

ClientSampleId :

PB112269ZHE#01

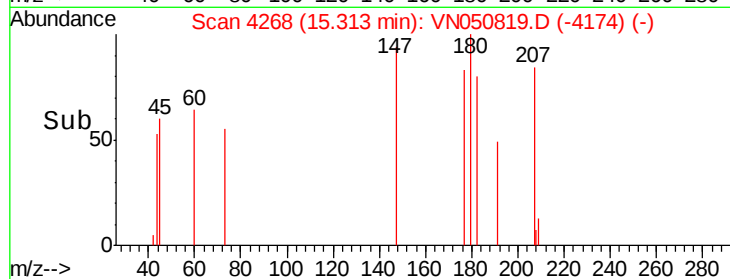
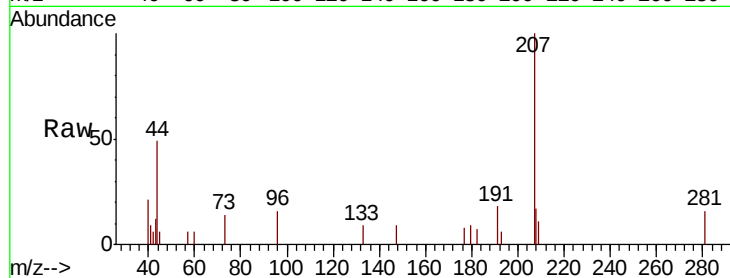
Tot Ion:180 Resp: 356

Ion Ratio Lower Upper

180 100

182 84.8 48.0 144.2

145 0.0 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

