

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050185.D
 Acq On : 30 Jul 2018 14:19
 Operator : MD\SY
 Sample : PB111570ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111570ZHE#05

Quant Time: Jul 31 01:10:57 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	634480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1073062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	912184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	318179	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	448829	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	7.59	113	406108	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
50) Toluene-d8	10.09	98	1435209	44.56	ug/l	0.00
Spiked Amount			Recovery	=	89.12%	
62) 4-Bromofluorobenzene	12.40	95	400049	37.72	ug/l	0.00
Spiked Amount			Recovery	=	75.44%	

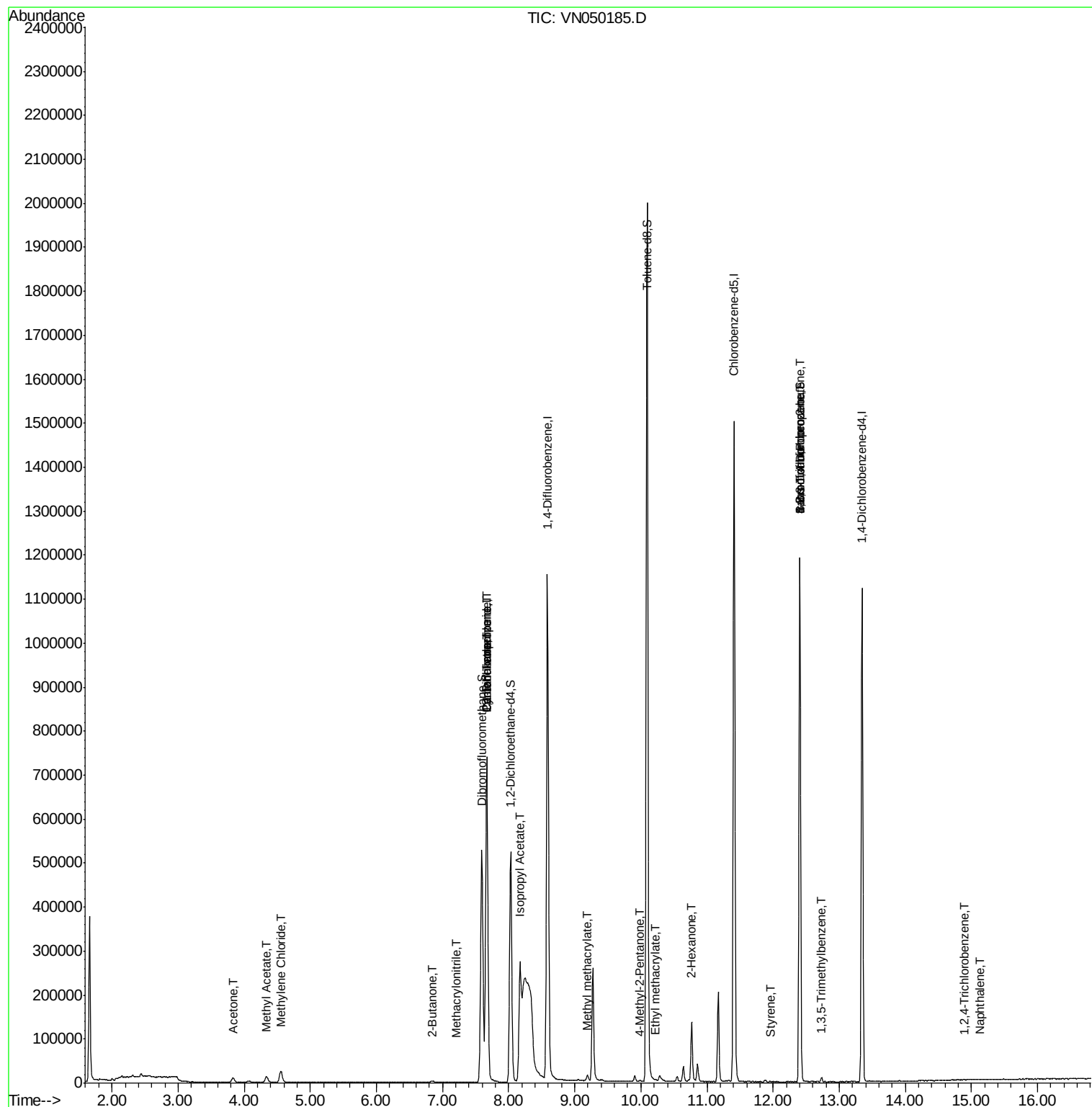
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	831	Below Cal		82
16) Acetone	3.83	43	18670	4.69	ug/l	91
18) Methyl Acetate	4.33	43	25970	1.63	ug/l	98
20) Methylene Chloride	4.55	84	19852	1.31	ug/l	96
25) 2-Butanone	6.86	43	3100	0.92	ug/l	98
31) Cyclohexane	7.66	56	11680	0.89	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44852	3.71	ug/l #	48
38) Carbon Tetrachloride	7.67	117	57582	4.49	ug/l #	17
41) Methacrylonitrile	7.20	41	65	2.76	ug/l #	1
43) Isopropyl Acetate	8.17	43	330589	20.13	ug/l #	91
48) Methyl methacrylate	9.18	41	8289	1.14	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	2159	0.26	ug/l	88
56) Ethyl methacrylate	10.23	69	2291	2.22	ug/l #	74
59) 2-Hexanone	10.77	43	18725	8.19	ug/l #	57
70) Styrene	11.97	104	210	0.93	ug/l #	25
71) Bromoform	12.41	173	3903	0.61	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	150	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	196693	33.26	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4385	0.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	196693	105.51	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	268	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.90	180	98	3.10	ug/l #	13
95) Naphthalene	15.14	128	787	4.46	ug/l #	69

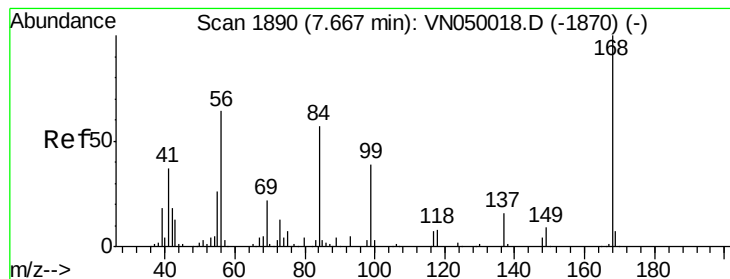
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 30 Jul 2018 14:19
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Instrument :
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Quant Time: Jul 31 01:10:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
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: VN050185.D

Acq: 30 Jul 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

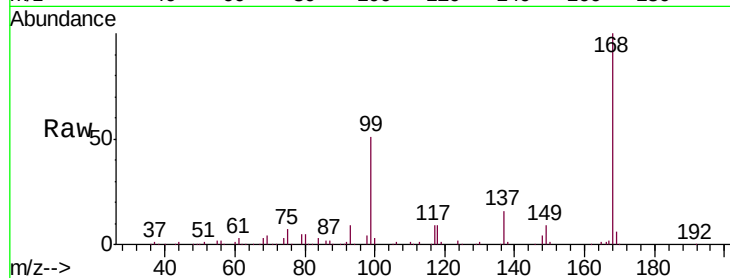
PB111570ZHE#05

Tot Ion:168 Resp: 634480

Ion Ratio Lower Upper

168 100

99 51.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

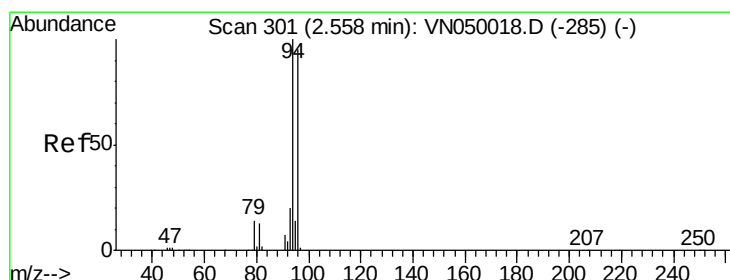
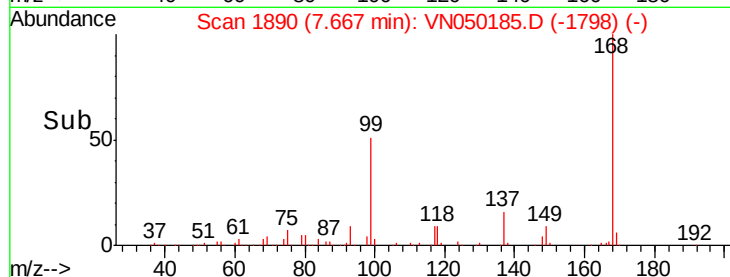
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.02 min

Lab File: VN050185.D

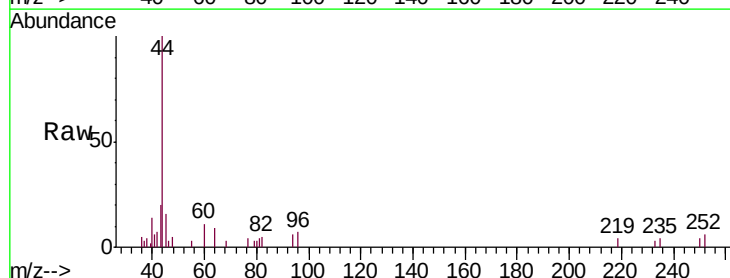
Acq: 30 Jul 2018 14:19

Tgt Ion: 94 Resp: 831

Ion Ratio Lower Upper

94 100

96 110.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

600

500

400

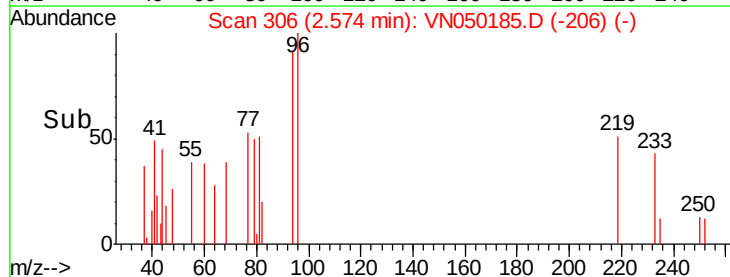
300

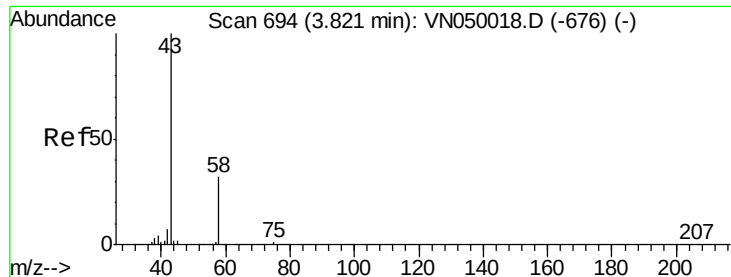
200

100

0

Time-->





#16

Acetone

Concen: 4.69 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050185.D

Acq: 30 Jul 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

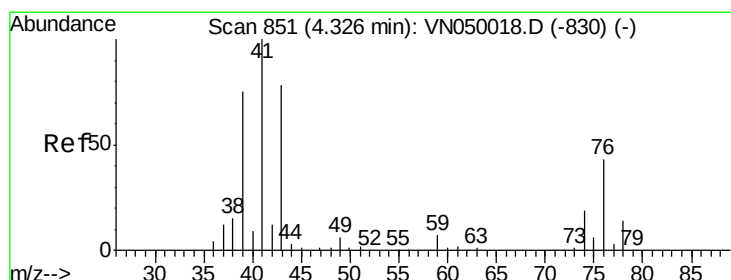
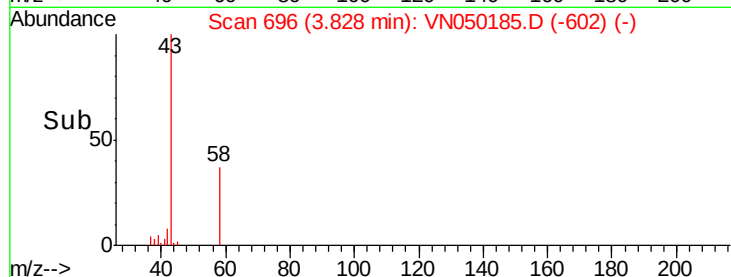
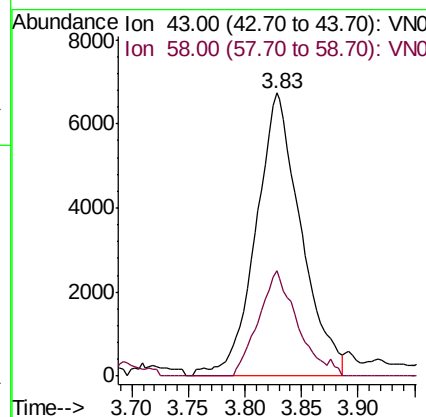
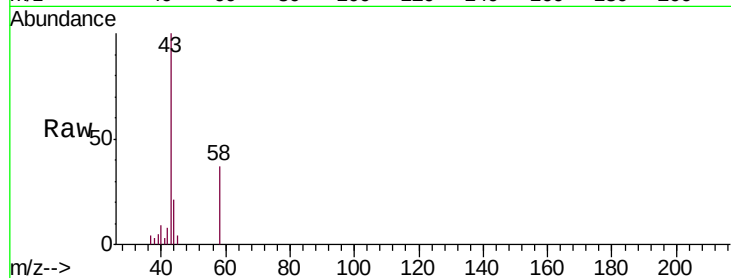
PB111570ZHE#05

Tot Ion: 43 Resp: 18670

Ion Ratio Lower Upper

43 100

58 37.4 25.8 38.8



#18

Methyl Acetate

Concen: 1.63 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050185.D

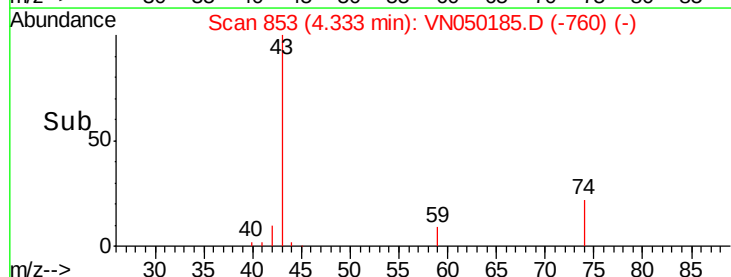
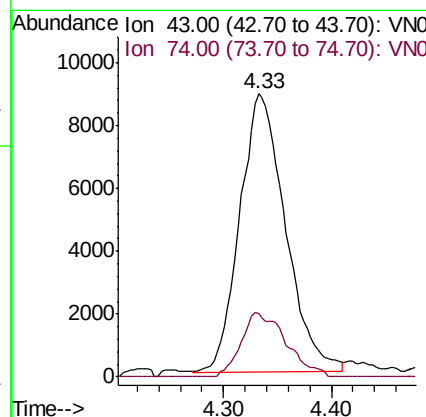
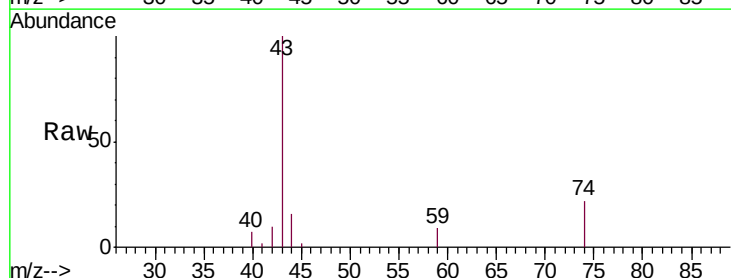
Acq: 30 Jul 2018 14:19

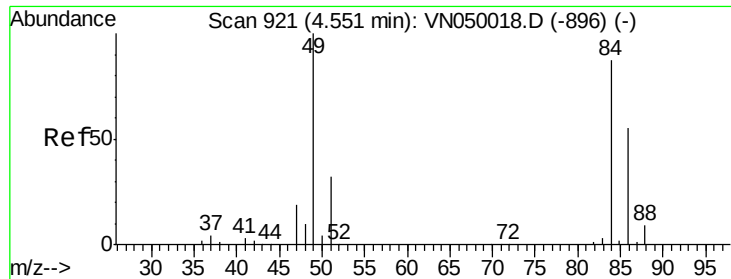
Tgt Ion: 43 Resp: 25970

Ion Ratio Lower Upper

43 100

74 22.9 19.2 28.8

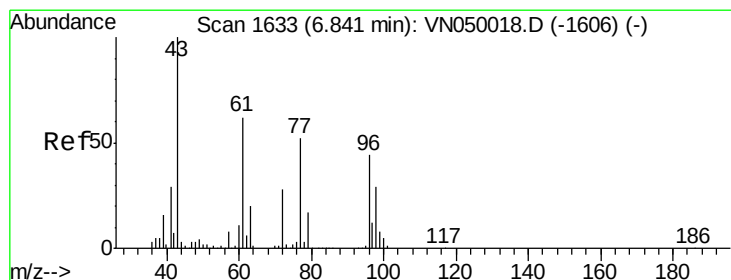
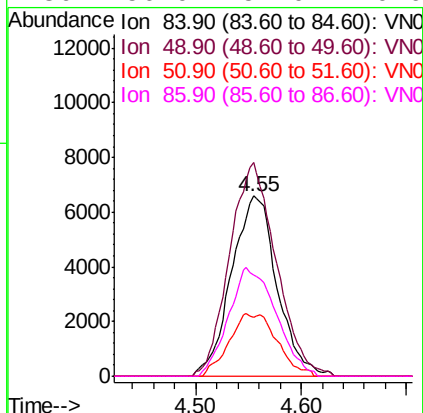
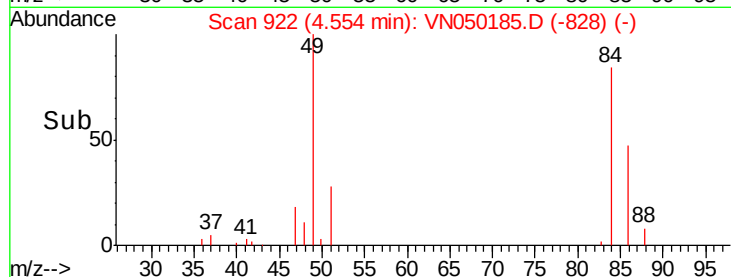
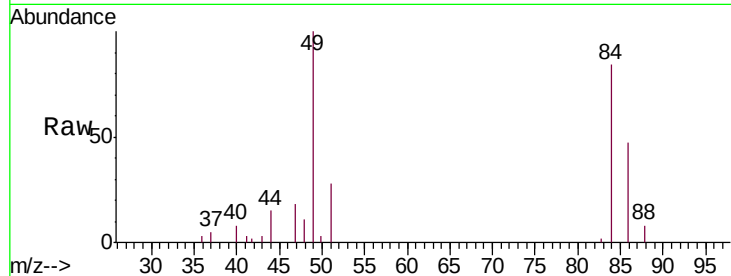




#20
Methvlene Chloride
Concen: 1.31 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050185.D
Acq: 30 Jul 2018 14:19

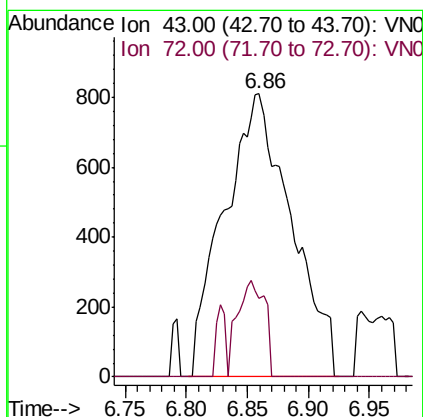
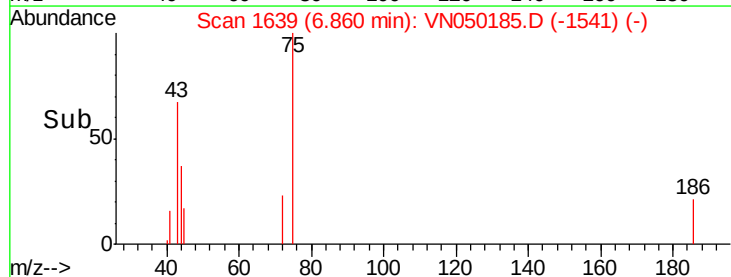
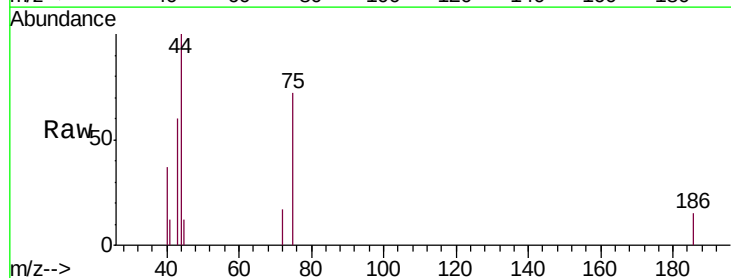
Instrument :
MSVOA_N
ClientSampleId :
PB111570ZHE#05

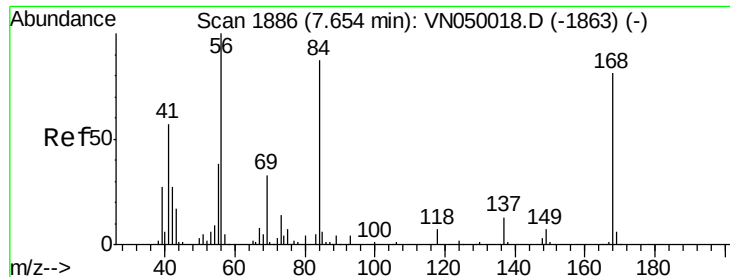
Tot Ion:	84	Resp:	19852
Ion	Ratio	Lower	Upper
84	100		
49	118.4	94.8	142.2
51	32.7	28.3	42.5
86	56.0	51.0	76.6



#25
2-Butanone
Concen: 0.92 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VN050185.D
Acq: 30 Jul 2018 14:19

Tgt Ion:	43	Resp:	3100
Ion	Ratio	Lower	Upper
43	100		
72	27.9	21.5	32.3

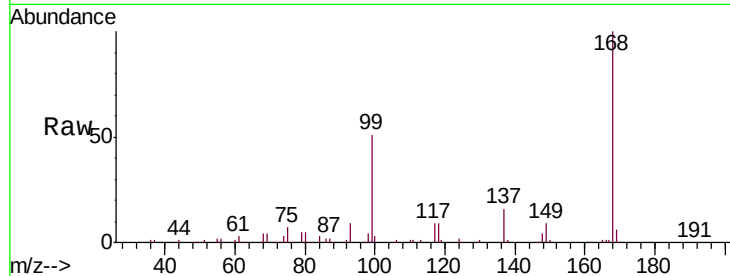




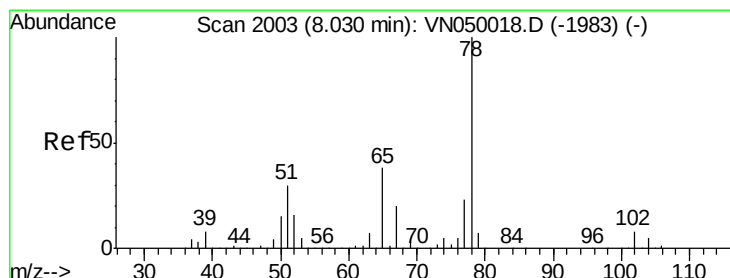
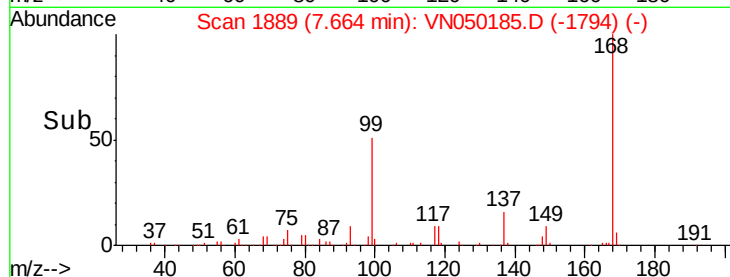
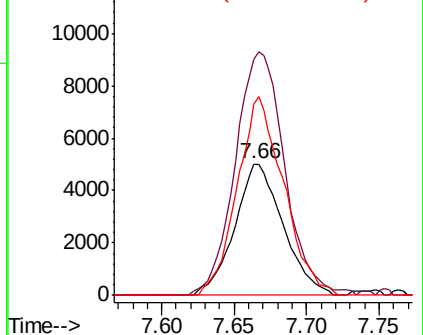
#31
Cyclohexane
Concen: 0.89 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050185.D
Acq: 30 Jul 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
PB111570ZHE#05

Tot Ion: 56 Resp: 11680
Ion Ratio Lower Upper
56 100
69 179.7 26.2 39.4#
84 145.8 67.4 101.0#

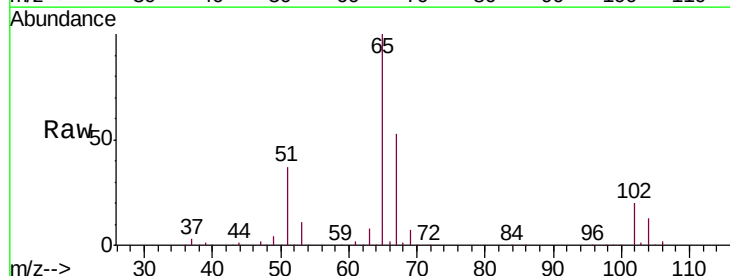


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

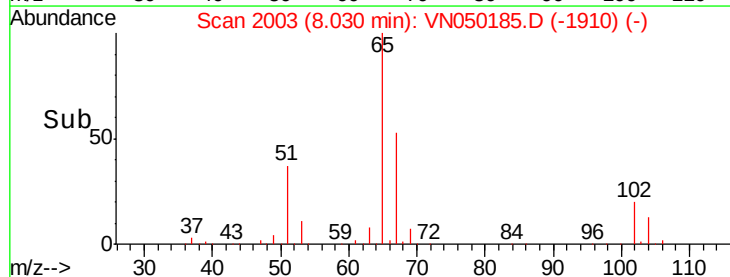
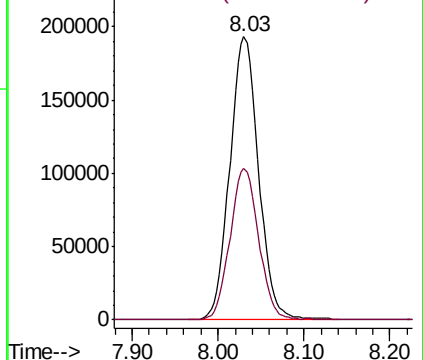


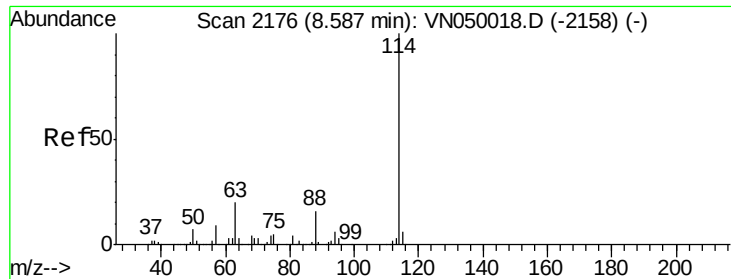
#33
1,2-Dichloroethane-d4
Concen: 50.70 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050185.D
Acq: 30 Jul 2018 14:19

Tgt Ion: 65 Resp: 448829
Ion Ratio Lower Upper
65 100
67 53.2 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: VN050185.D

Acq: 30 Jul 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

PB111570ZHE#05

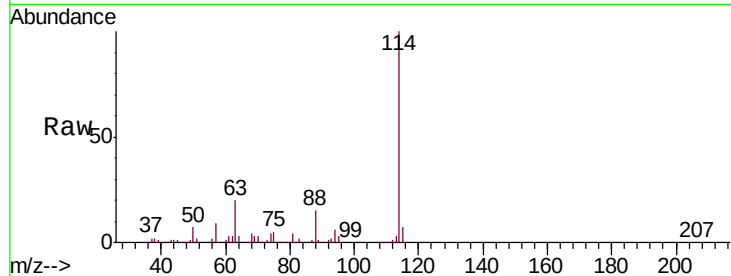
Tot Ion:114 Resp: 1073062

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

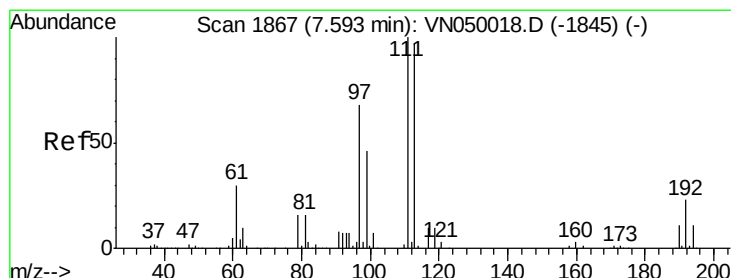
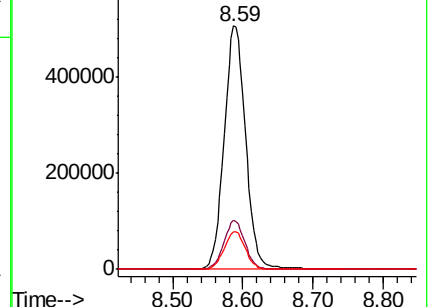
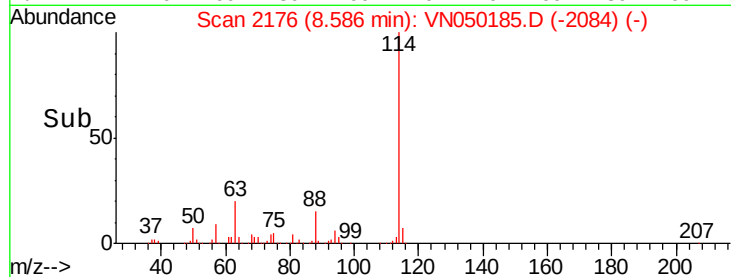
88 15.3 0.0 31.2



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: 46.35 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050185.D

Acq: 30 Jul 2018 14:19

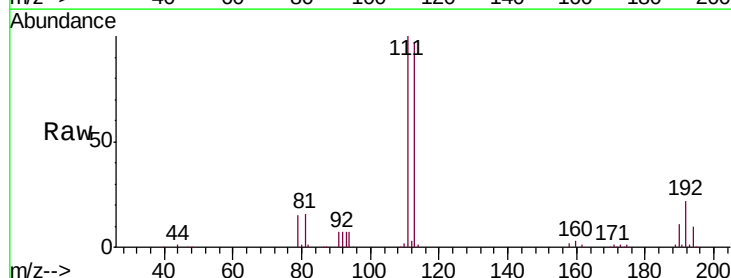
Tgt Ion:113 Resp: 406108

Ion Ratio Lower Upper

113 100

111 102.4 80.7 121.1

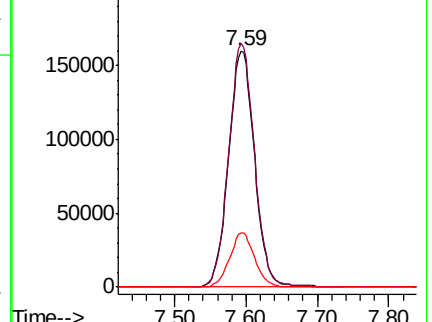
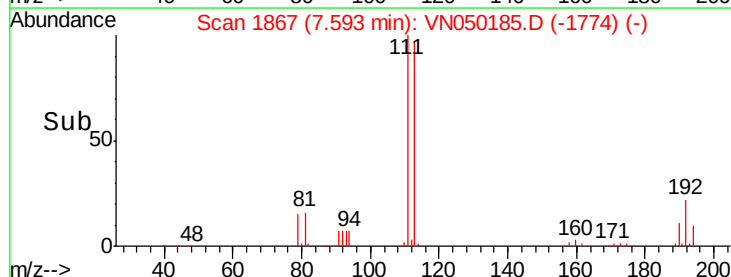
192 22.0 17.8 26.6

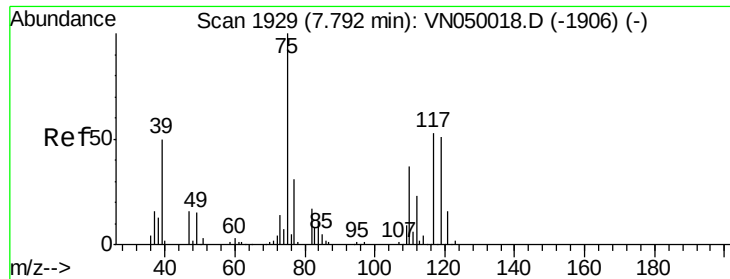


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

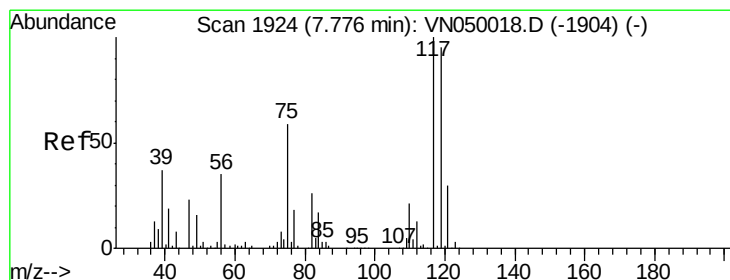
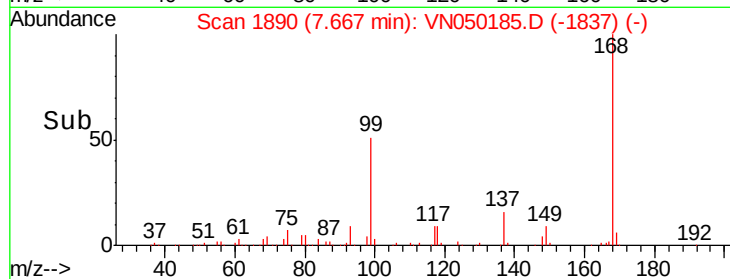
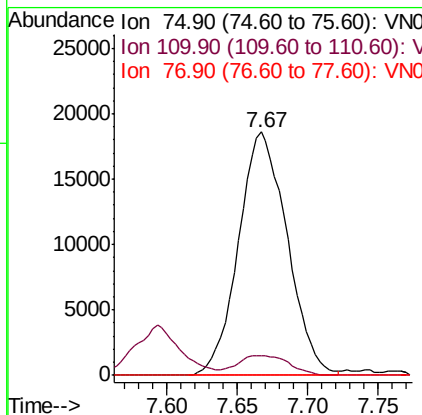
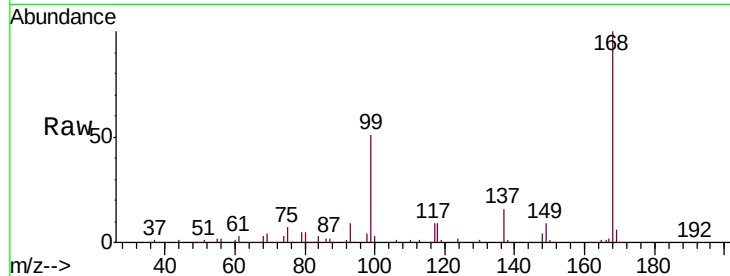




#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050185.D
 Acq: 30 Jul 2018 14:19

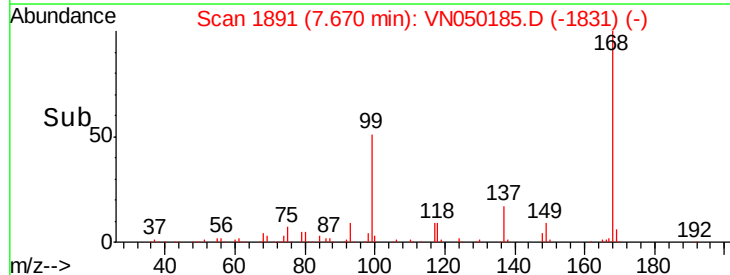
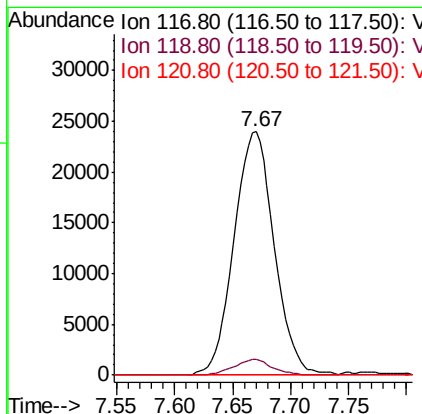
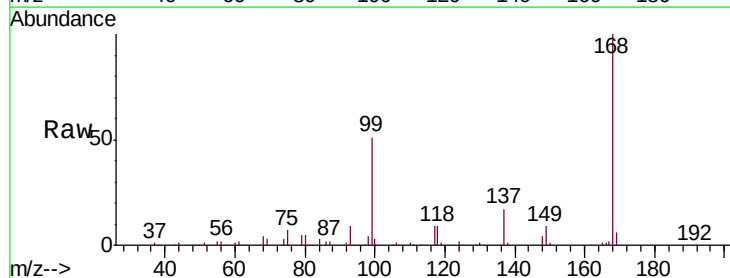
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111570ZHE#05

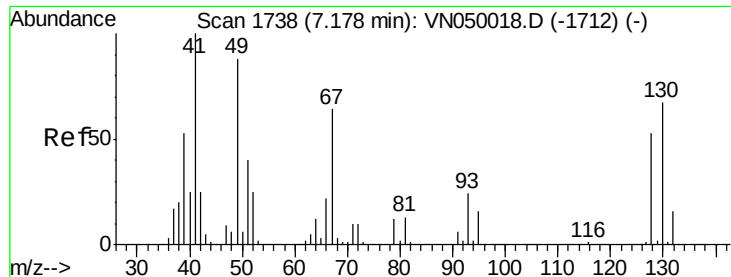
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.49 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050185.D
 Acq: 30 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	77.4	116.0#
121	0.0	23.9	35.9#

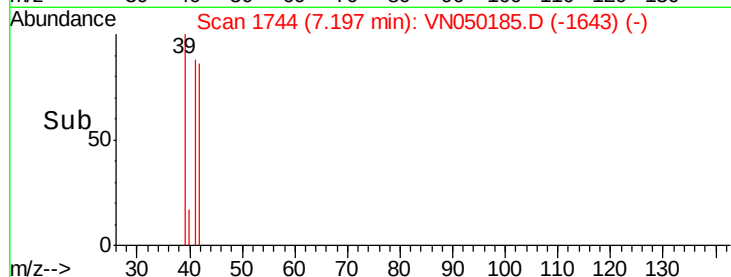
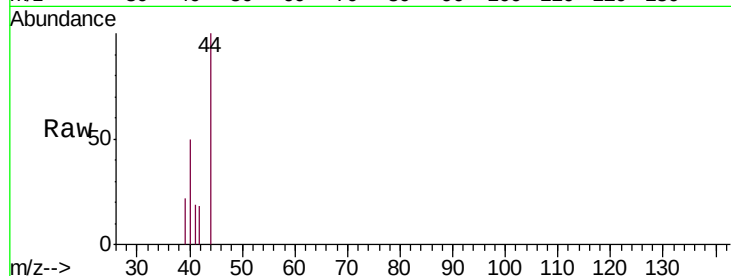


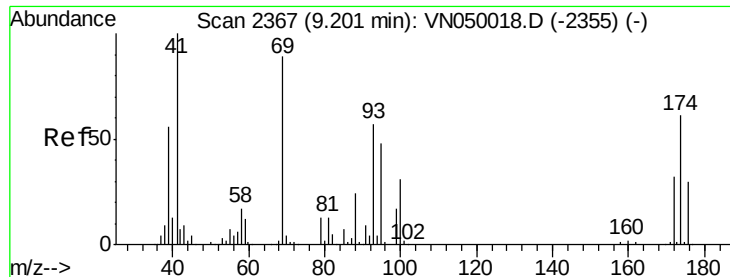


#41
Methacrylonitrile
Concen: 2.76 ug/l
RT: 7.20 min Scan# 1744
Delta R.T. 0.02 min
Lab File: VN050185.D
Acq: 30 Jul 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
PB111570ZHE#05

Tot Ion: 41 Resp: 65
Ion Ratio Lower Upper
41 100
39 326.2 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#

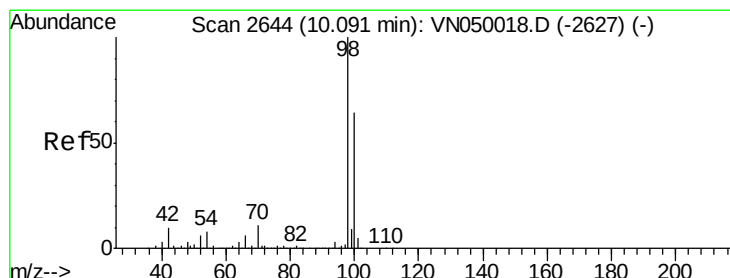
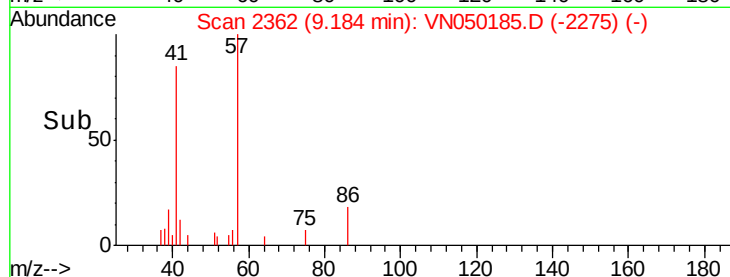
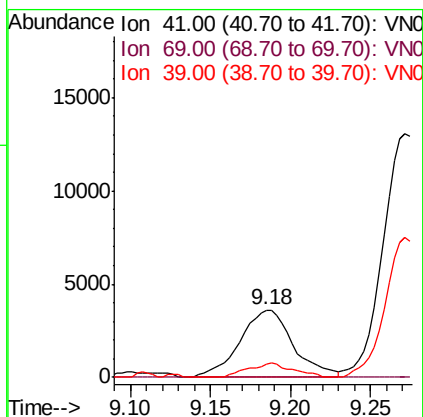
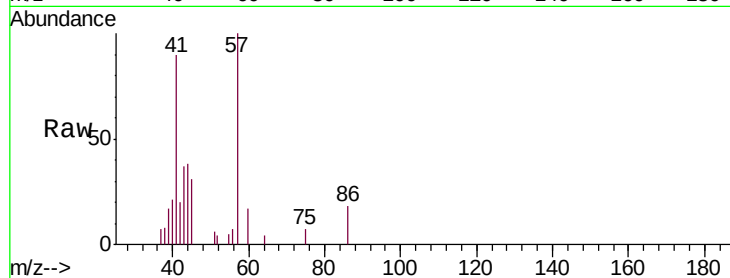




#48
Methvl methacrylate
Concen: 1.14 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050185.D
Acq: 30 Jul 2018 14:19

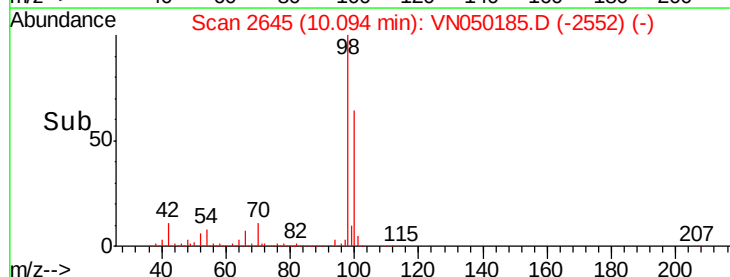
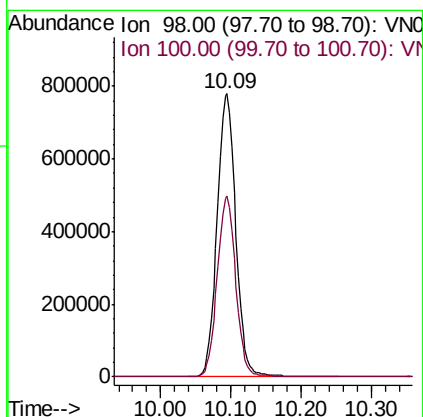
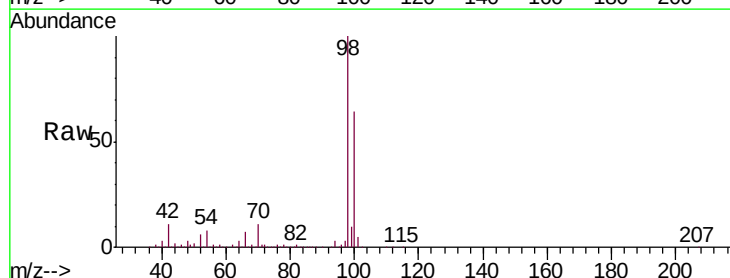
Instrument :
MSVOA_N
ClientSampleId :
PB111570ZHE#05

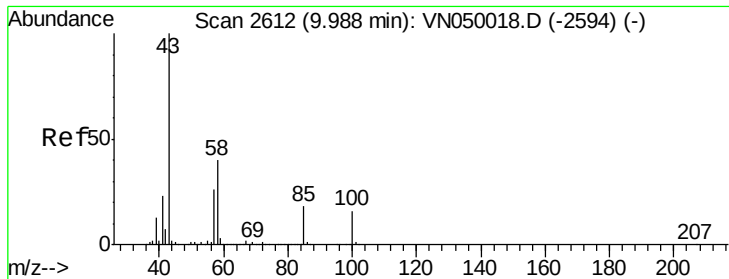
Tot Ion: 41 Resp: 8289
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 17.5 43.9 65.9#



#50
Toluene-d8
Concen: 44.56 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050185.D
Acq: 30 Jul 2018 14:19

Tgt Ion: 98 Resp: 1435209
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1

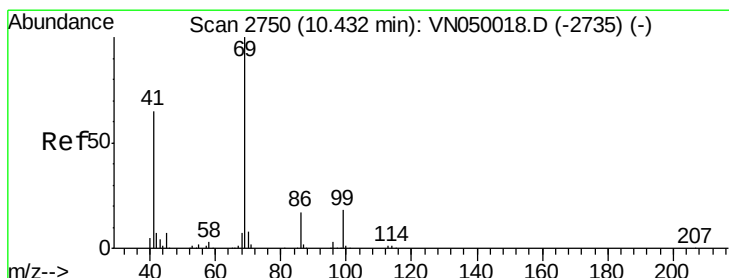
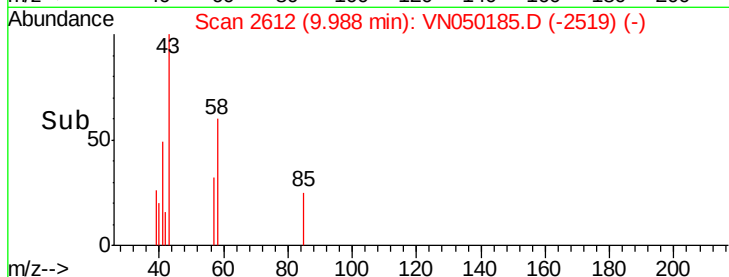
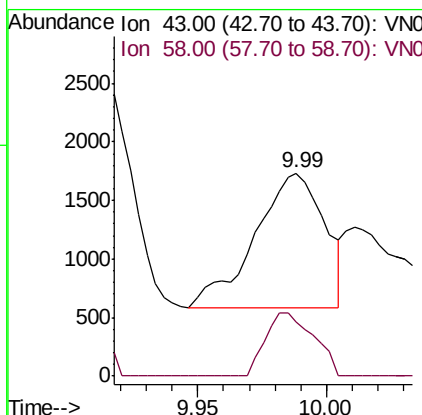
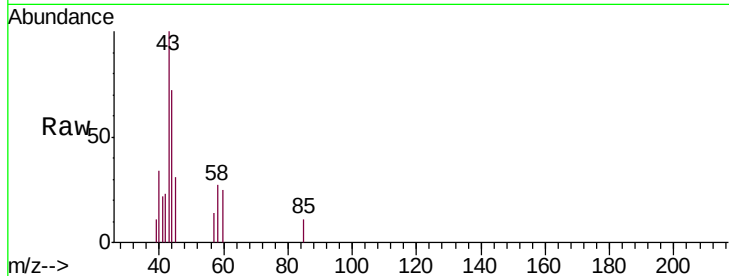




#51
 4-Methyl-2-Pentanone
 Concen: 0.26 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050185.D
 Acq: 30 Jul 2018 14:19

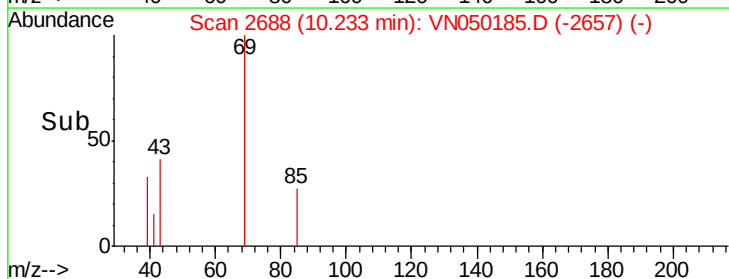
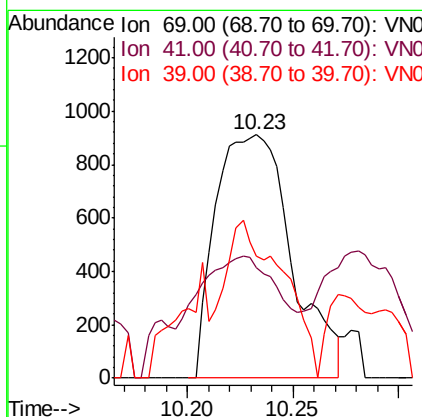
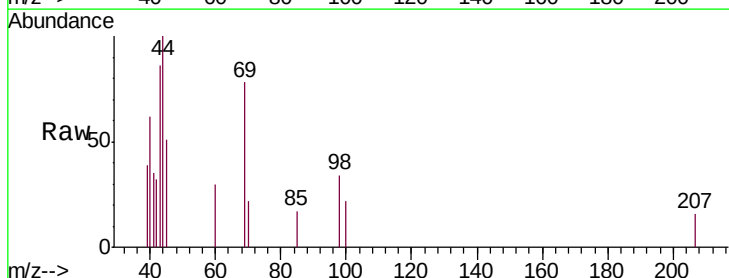
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111570ZHE#05

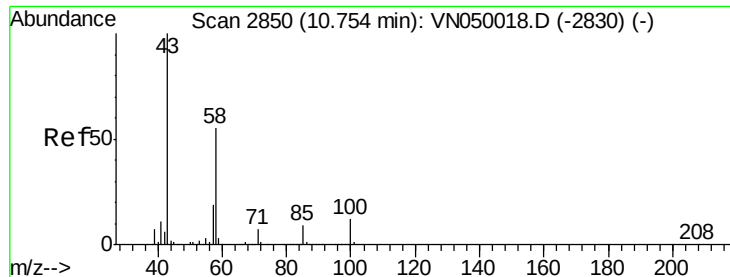
Tot Ion: 43 Resp: 2159
 Ion Ratio Lower Upper
 43 100
 58 32.6 31.9 47.9



#56
 Ethyl methacrylate
 Concen: 2.22 ug/l
 RT: 10.23 min Scan# 2688
 Delta R.T. -0.20 min
 Lab File: VN050185.D
 Acq: 30 Jul 2018 14:19

Tgt Ion: 69 Resp: 2291
 Ion Ratio Lower Upper
 69 100
 41 43.5 51.0 76.4#
 39 47.7 26.6 40.0#





#59

2-Hexanone

Concen: 8.19 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050185.D

Acq: 30 Jul 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

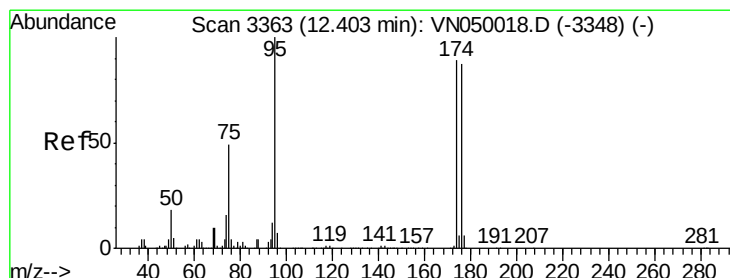
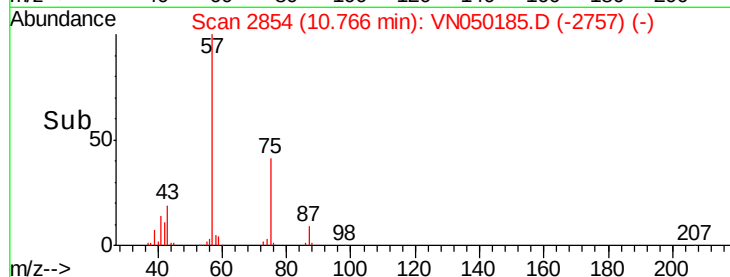
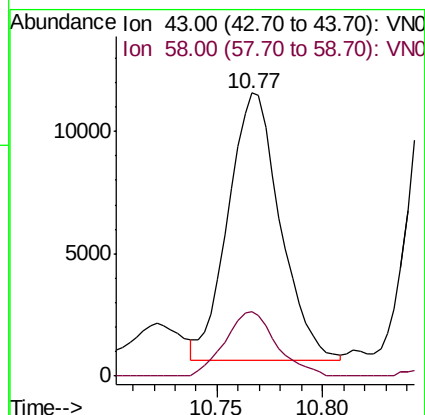
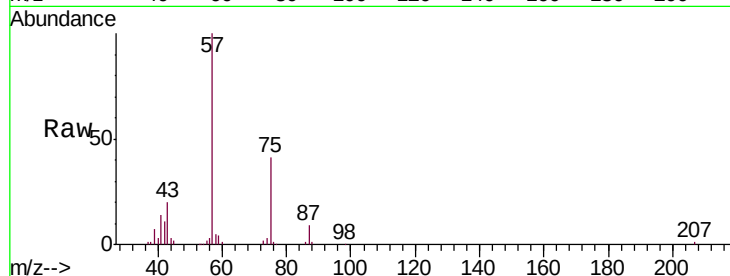
PB111570ZHE#05

Tot Ion: 43 Resp: 18725

Ion Ratio Lower Upper

43 100

58 23.8 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 37.72 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050185.D

Acq: 30 Jul 2018 14:19

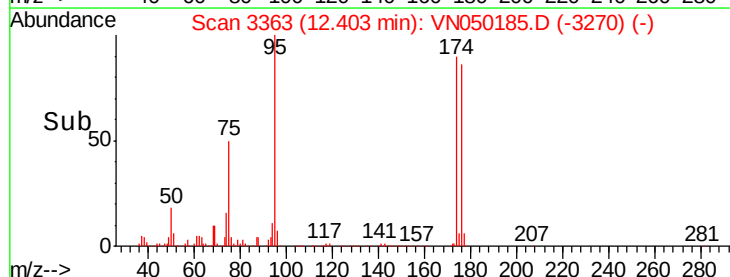
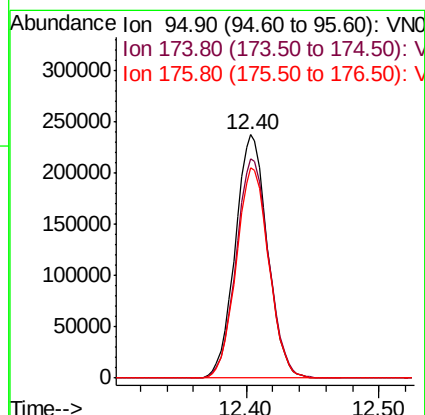
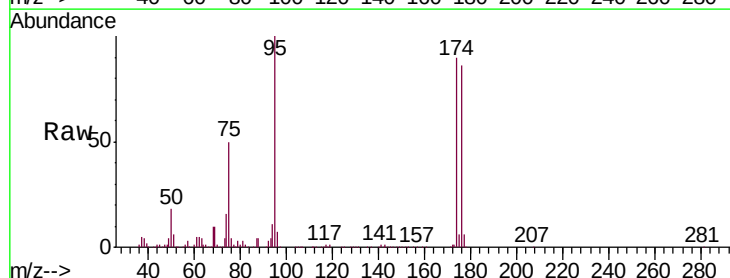
Tgt Ion: 95 Resp: 400049

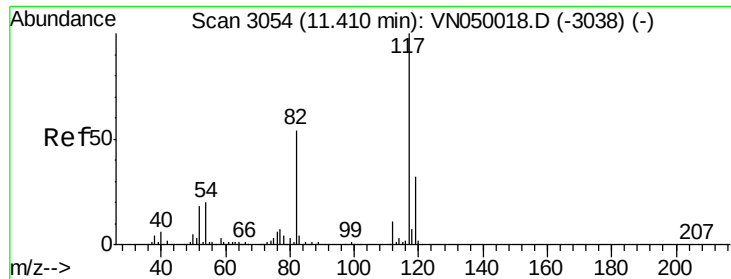
Ion Ratio Lower Upper

95 100

174 91.6 0.0 178.2

176 87.3 0.0 173.4

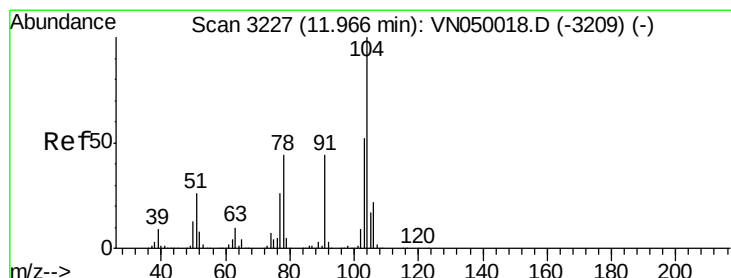
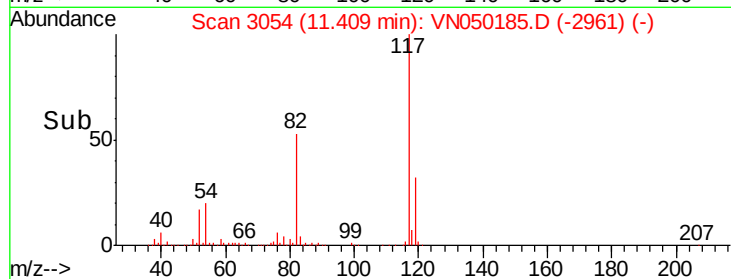
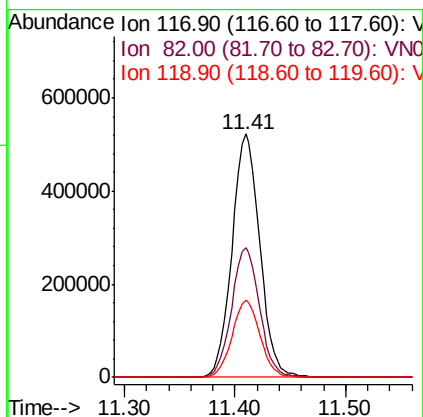
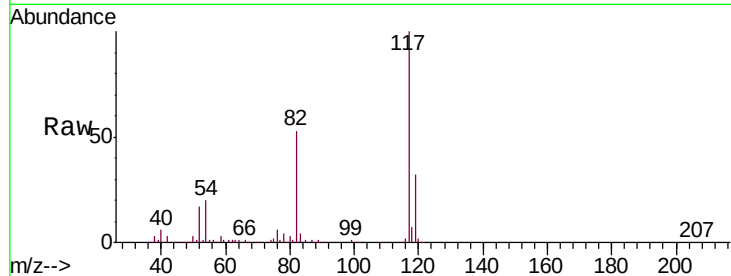




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050185.D
Acq: 30 Jul 2018 14:19

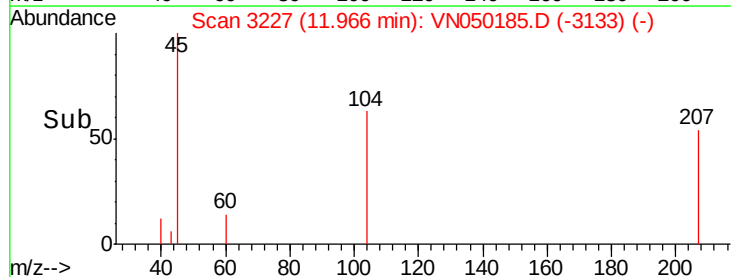
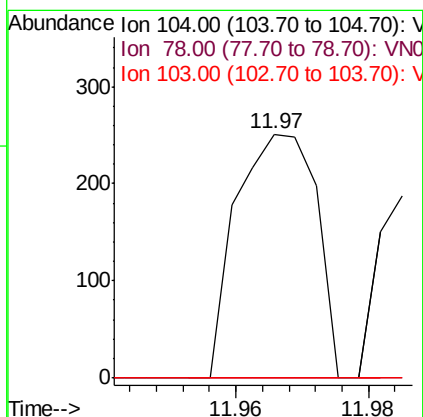
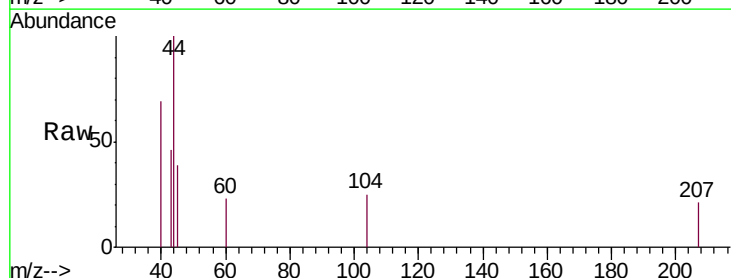
Instrument :
MSVOA_N
ClientSampleId :
PB111570ZHE#05

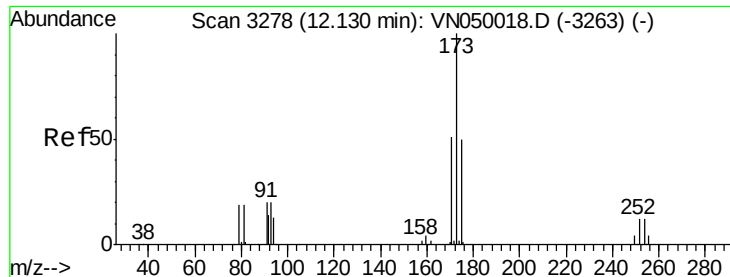
Tot Ion:117 Resp: 912184
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 31.9 26.1 39.1



#70
Styrene
Concen: 0.93 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050185.D
Acq: 30 Jul 2018 14:19

Tgt Ion:104 Resp: 210
Ion Ratio Lower Upper
104 100
78 0.0 39.3 58.9#
103 0.0 45.0 67.6#





#71

Bromoform

Concen: 0.61 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN050185.D

Acq: 30 Jul 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

PB111570ZHE#05

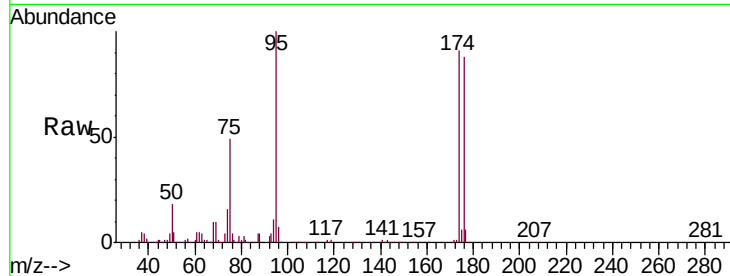
Tot Ion:173 Resp: 3903

Ion Ratio Lower Upper

173 100

175 583.0 24.1 72.2#

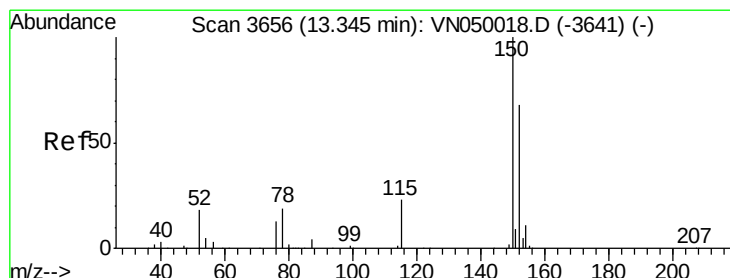
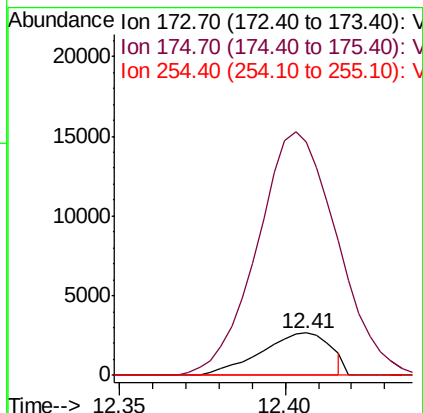
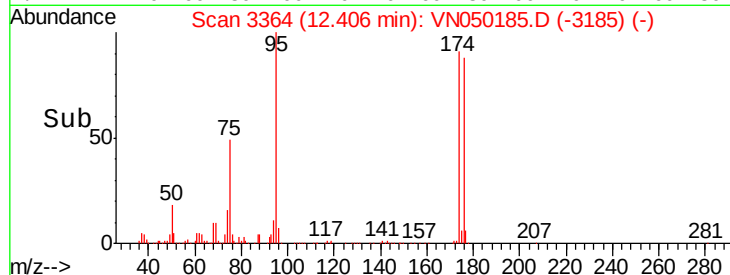
254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050185.D

Acq: 30 Jul 2018 14:19

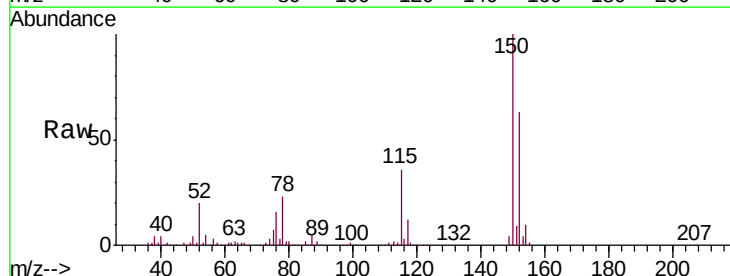
Tgt Ion:152 Resp: 318179

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.3

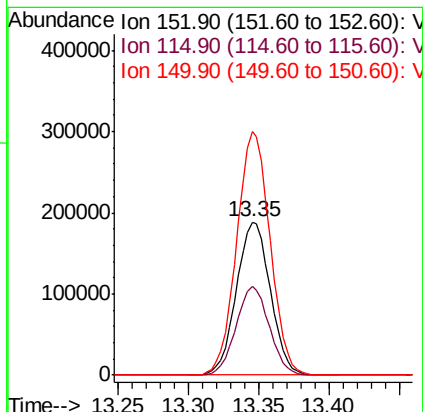
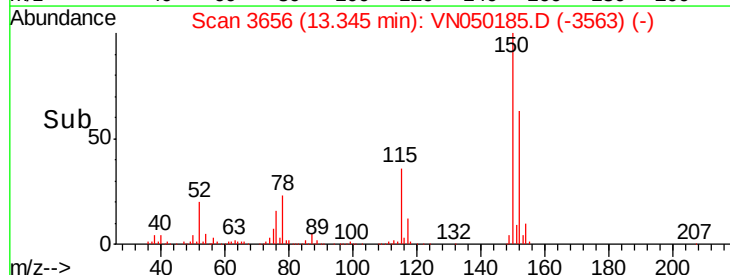
150 156.5 0.0 348.6

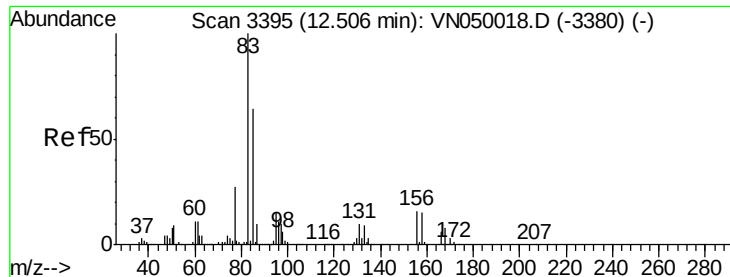


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3363

Delta R.T. -0.10 min

Lab File: VN050185.D

Acq: 30 Jul 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

PB111570ZHE#05

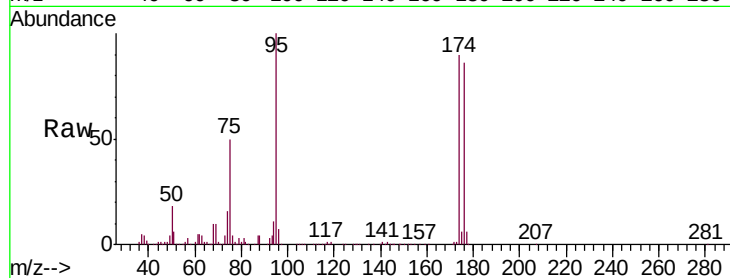
Tot Ion: 83 Resp: 150

Ion Ratio Lower Upper

83 100

131 328.7 5.1 15.3#

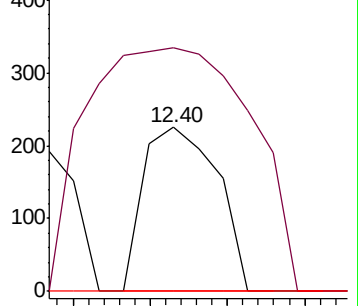
85 0.0 32.3 96.8#



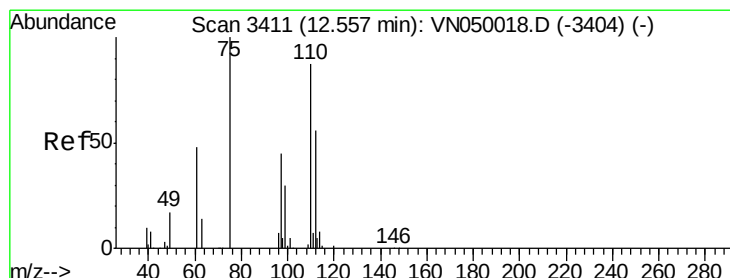
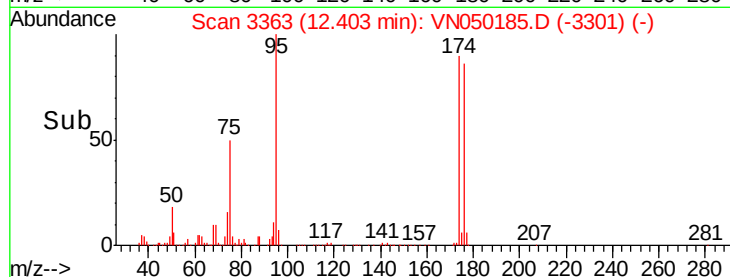
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 33.26 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050185.D

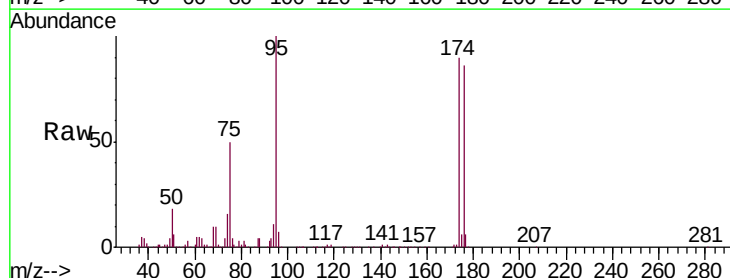
Acq: 30 Jul 2018 14:19

Tgt Ion: 75 Resp: 196693

Ion Ratio Lower Upper

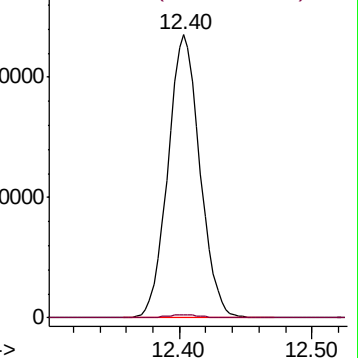
75 100

77 1.2 0.0 0.0#

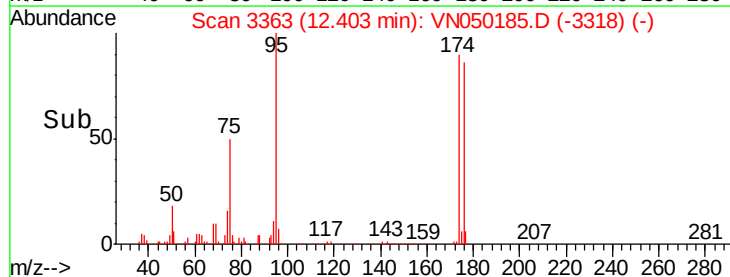


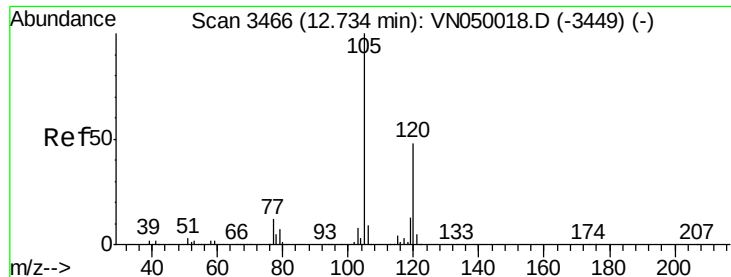
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.23 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050185.D

Acq: 30 Jul 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

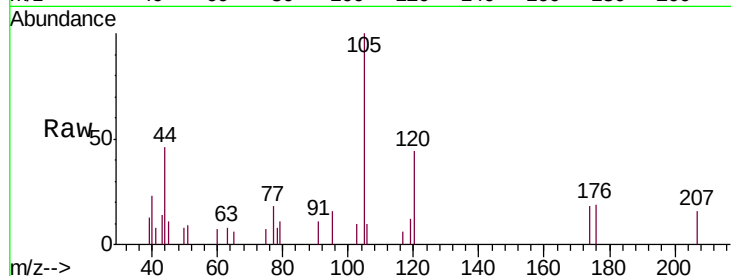
PB111570ZHE#05

Tot Ion:105 Resp: 4385

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2

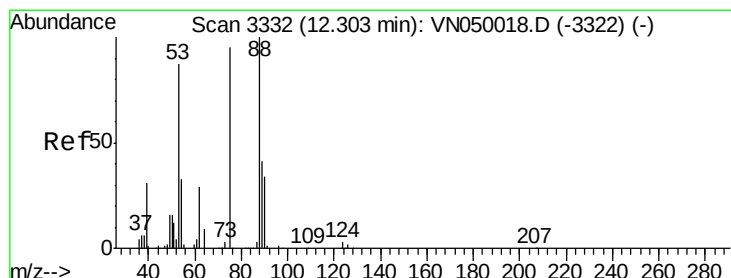
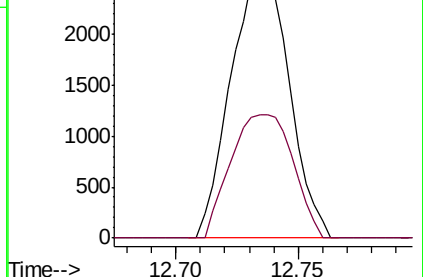
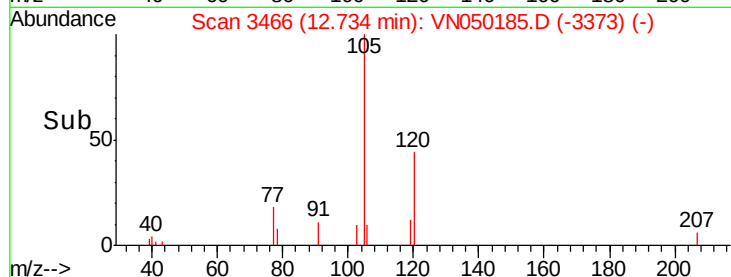


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 105.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050185.D

Acq: 30 Jul 2018 14:19

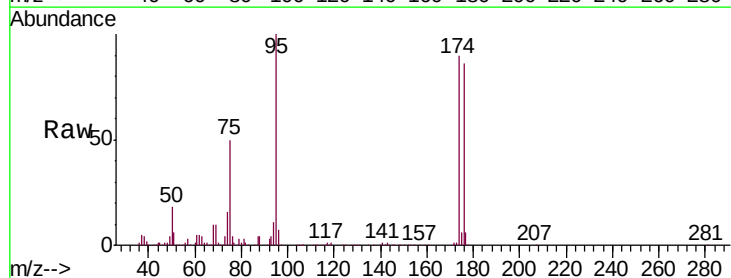
Tgt Ion: 75 Resp: 196693

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#



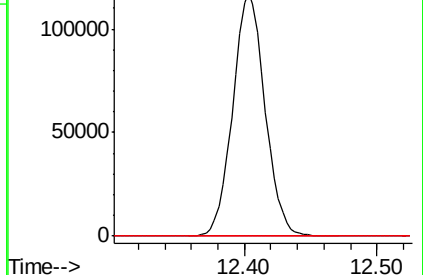
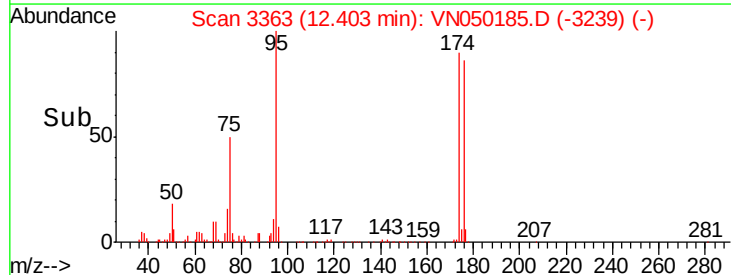
Abundance Ion 74.90 (74.60 to 75.60): VNO

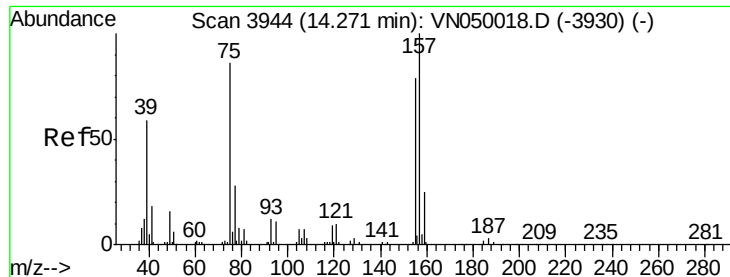
Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3940

Delta R.T. -0.01 min

Lab File: VN050185.D

Acq: 30 Jul 2018 14:19

Instrument :

MSVOA_N

ClientSampleId :

PB111570ZHE#05

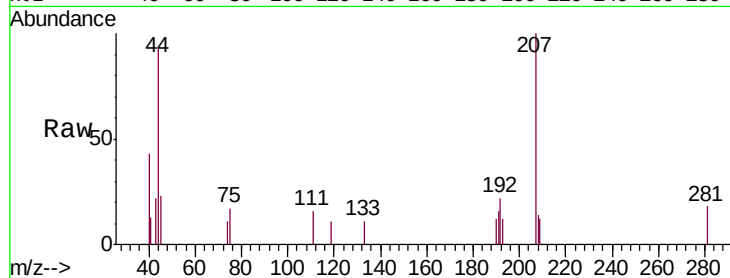
Tot Ion: 75 Resp: 268

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

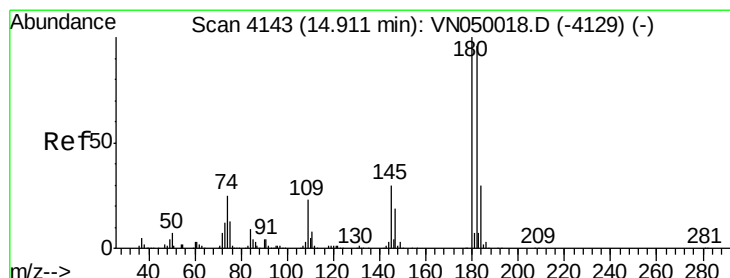
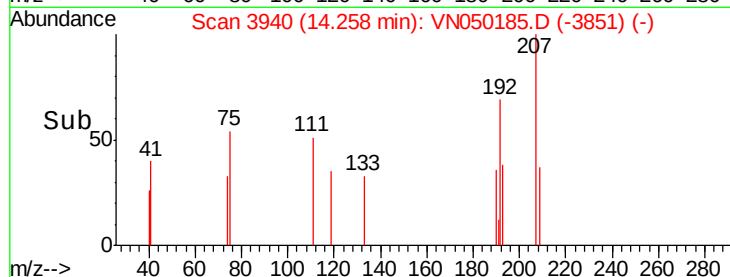
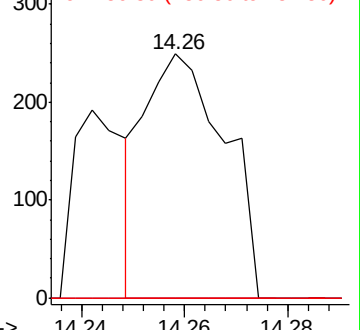
157 0.0 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 3.10 ug/l

RT: 14.90 min Scan# 4141

Delta R.T. -0.01 min

Lab File: VN050185.D

Acq: 30 Jul 2018 14:19

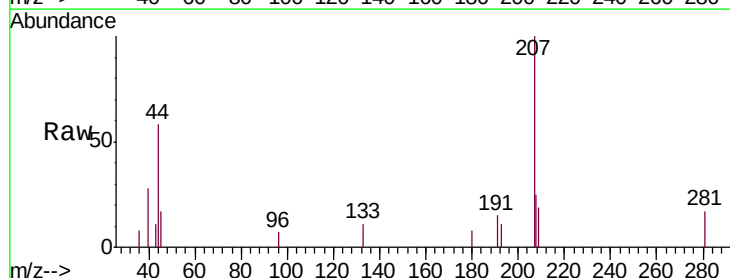
Tgt Ion: 180 Resp: 98

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.1#

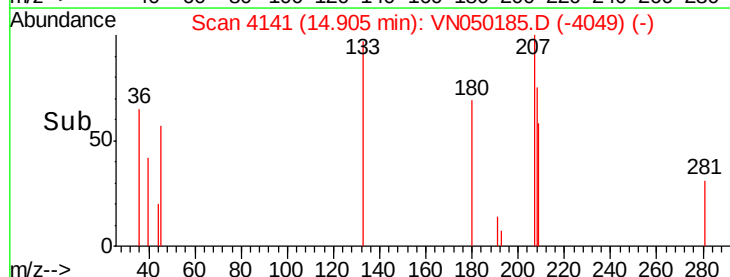
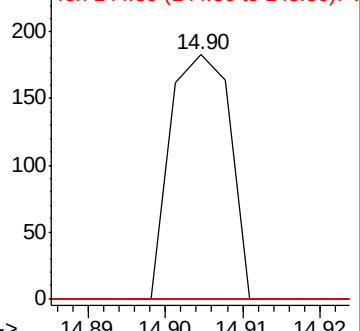
145 0.0 13.8 41.4#

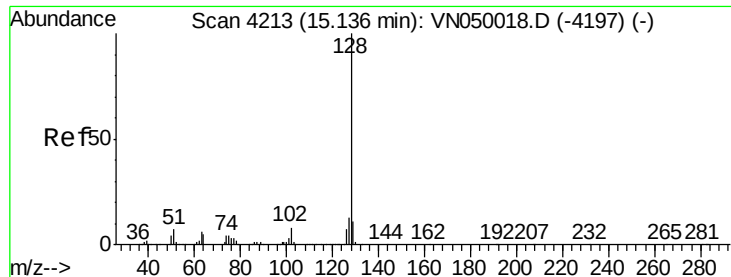


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95
Naphthalene
Concen: 4.46 ug/l
RT: 15.14 min Scan# 4215
Delta R.T. 0.01 min
Lab File: VN050185.D
Acq: 30 Jul 2018 14:19

Instrument :
MSVOA_N
ClientSampleId :
PB111570ZHE#05

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

