

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
 Data File : VN050879.D
 Acq On : 24 Aug 2018 16:06
 Operator : MD\SY
 Sample : PB112339ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112339ZHE#05

Quant Time: Aug 24 22:55:43 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	613357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1014109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	890772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310815	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	403857	54.69	ug/l	0.00
Spiked Amount			Recovery	=	109.38%	
35) Dibromofluoromethane	7.59	113	384429	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
50) Toluene-d8	10.09	98	1396041	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
62) 4-Bromofluorobenzene	12.40	95	388709	38.78	ug/l	0.00
Spiked Amount			Recovery	=	77.56%	

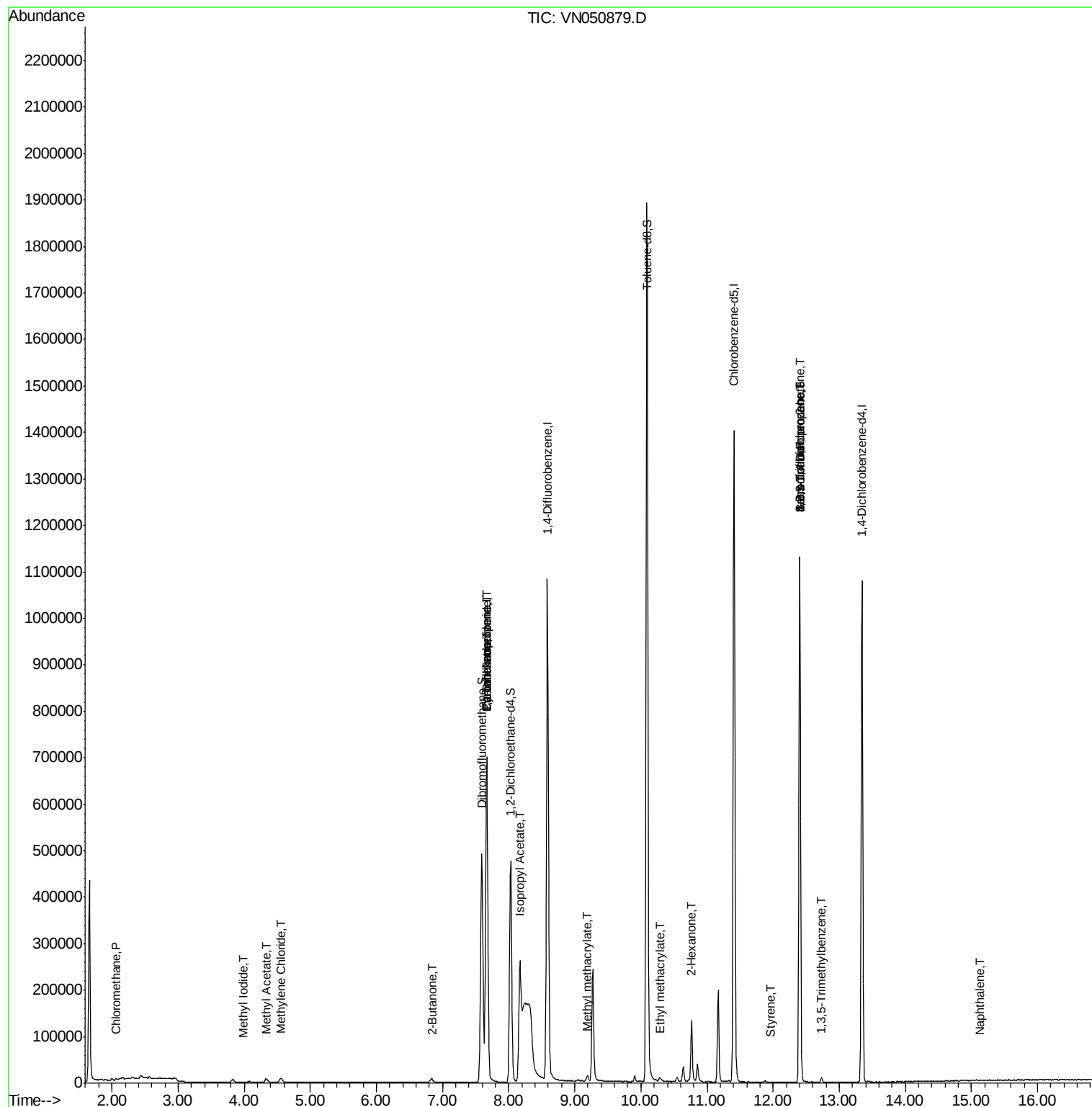
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2599	0.26	ug/l	95
5) Bromomethane	2.57	94	2360	Below	Cal	81
10) Methyl Iodide	3.97	142	1036	6.47	ug/l #	47
16) Acetone	3.83	43	11679	Below	Cal	95
18) Methyl Acetate	4.34	43	16863	2.42	ug/l	94
20) Methylene Chloride	4.56	84	7992	0.96	ug/l	98
25) 2-Butanone	6.85	43	1415	0.48	ug/l #	47
31) Cyclohexane	7.67	56	10529	1.30	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	41795	3.49	ug/l #	48
38) Carbon Tetrachloride	7.67	117	53143	4.39	ug/l #	17
43) Isopropyl Acetate	8.17	43	327962	27.75	ug/l #	90
48) Methyl methacrylate	9.18	41	7554	1.25	ug/l #	19
56) Ethyl methacrylate	10.28	69	124	2.36	ug/l #	1
59) 2-Hexanone	10.77	43	17996	3.83	ug/l #	58
70) Styrene	11.96	104	391	1.29	ug/l #	26
71) Bromoform	12.40	173	1419	0.24	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	228	Below	Cal #	1
76) 1,2,3-Trichloropropane	12.40	75	179501	32.97	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4490	0.22	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	179501	111.47	ug/l #	15
95) Naphthalene	15.13	128	115	5.41	ug/l #	69

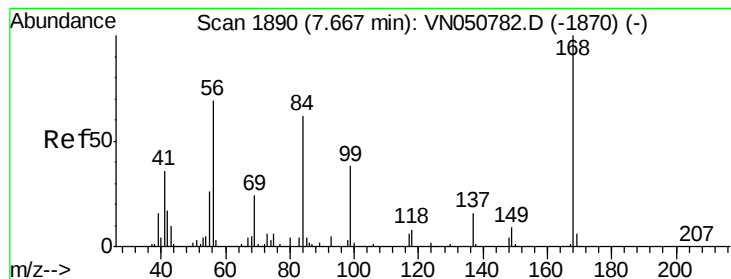
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
Data File : VN050879.D
Acq On : 24 Aug 2018 16:06
Operator : MD\SY
Sample : PB112339ZHE#05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB112339ZHE#05

Quant Time: Aug 24 22:55:43 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050879.D

Acq: 24 Aug 2018 16:06

Instrument :

MSVOA_N

ClientSampleId :

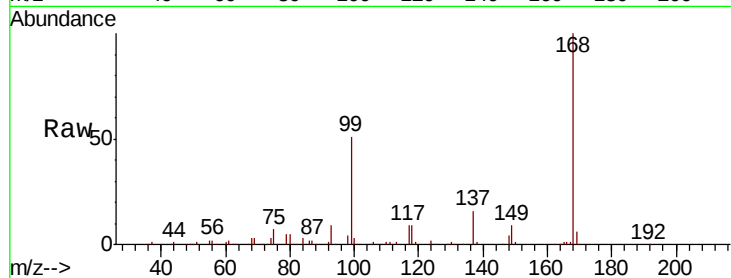
PB112339ZHE#05

Tot Ion:168 Resp: 613357

Ion Ratio Lower Upper

168 100

99 51.2 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

250000

200000

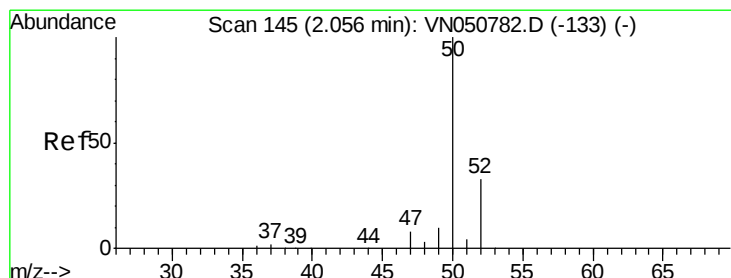
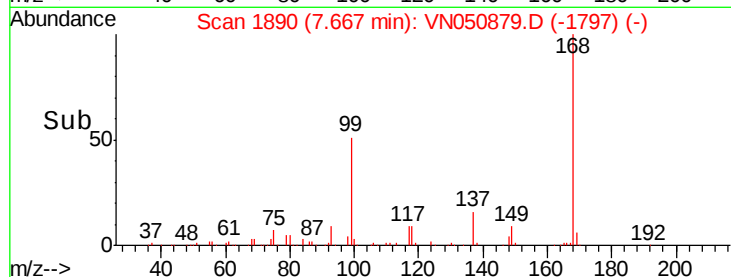
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.26 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050879.D

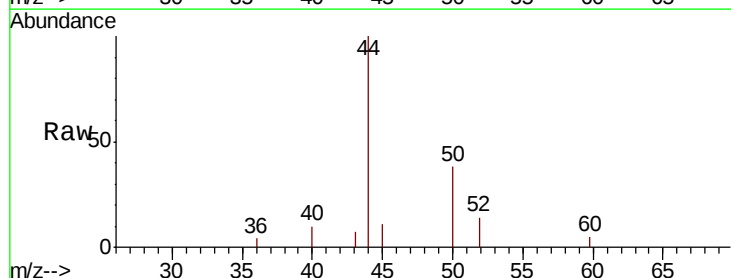
Acq: 24 Aug 2018 16:06

Tgt Ion: 50 Resp: 2599

Ion Ratio Lower Upper

50 100

52 35.5 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

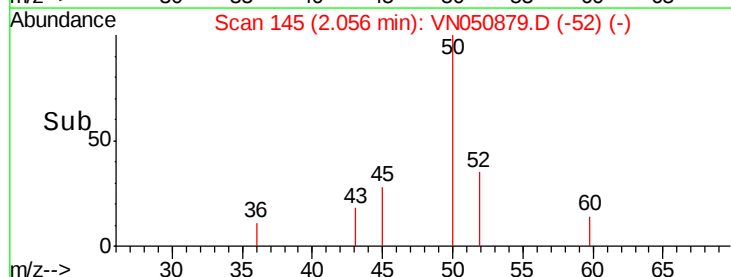
1500

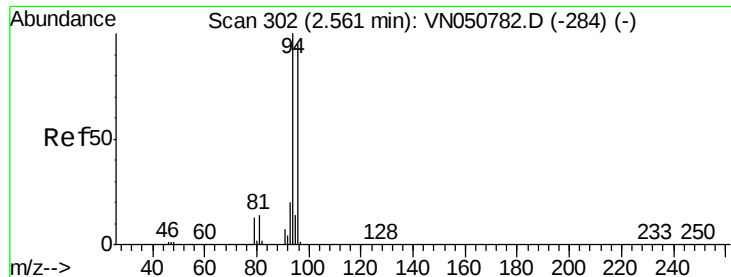
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050879.D

Acq: 24 Aug 2018 16:06

Instrument :

MSVOA_N

ClientSampleId :

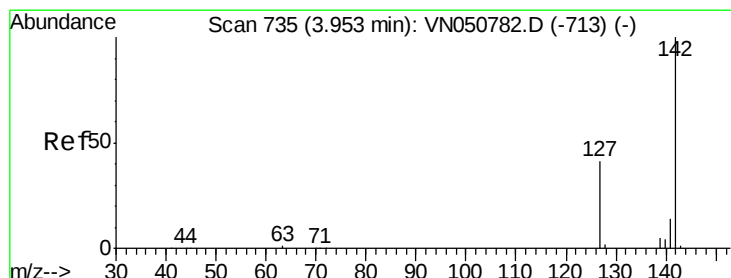
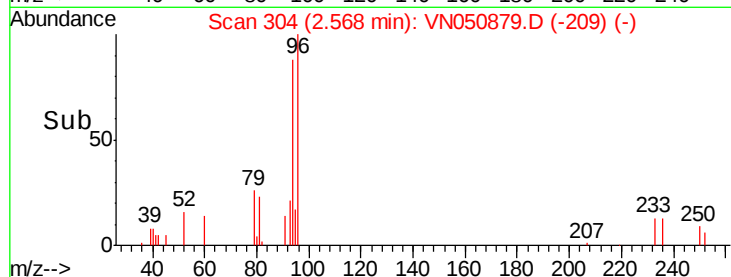
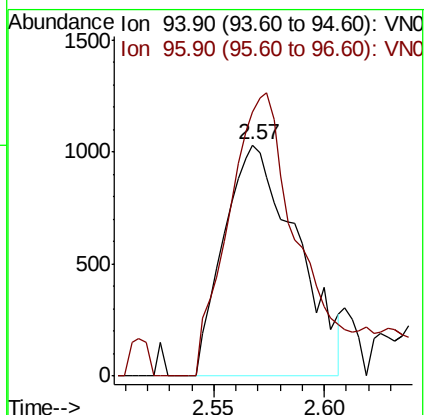
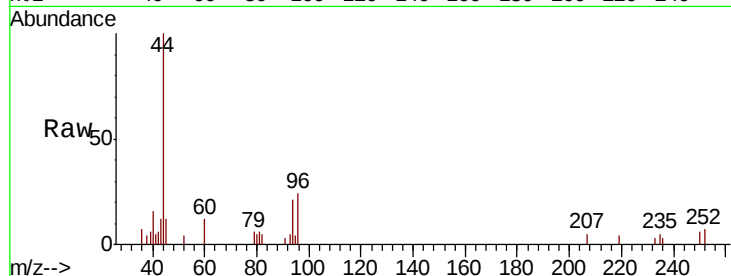
PB112339ZHE#05

Tot Ion: 94 Resp: 2360

Ion Ratio Lower Upper

94 100

96 114.1 76.2 114.2



#10

Methyl Iodide

Concen: 6.47 ug/l

RT: 3.97 min Scan# 741

Delta R.T. 0.02 min

Lab File: VN050879.D

Acq: 24 Aug 2018 16:06

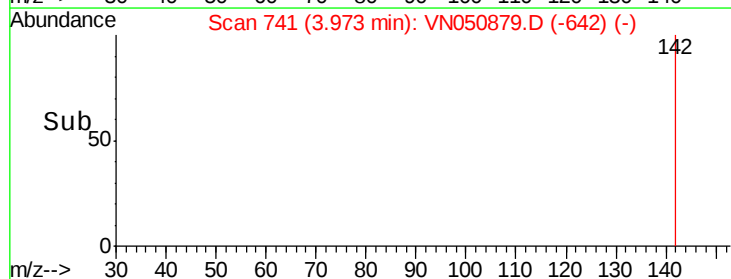
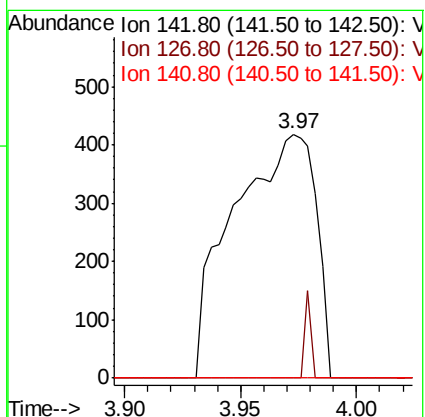
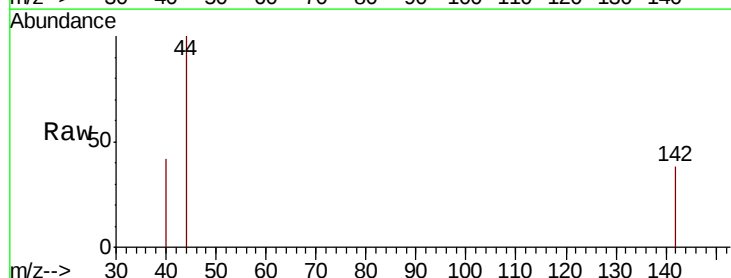
Tgt Ion: 142 Resp: 1036

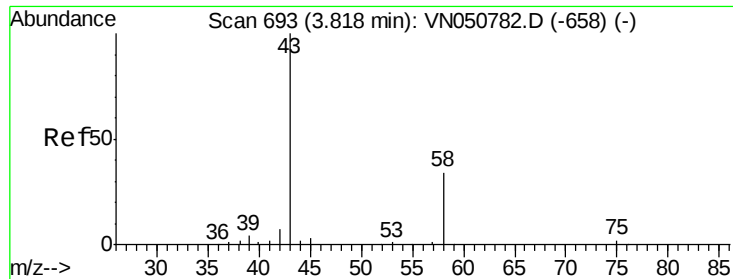
Ion Ratio Lower Upper

142 100

127 2.8 31.7 47.5#

141 0.0 11.4 17.0#

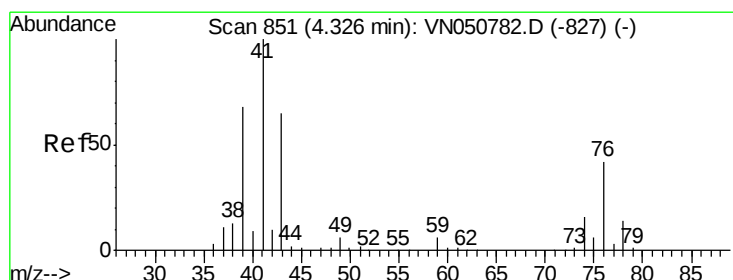
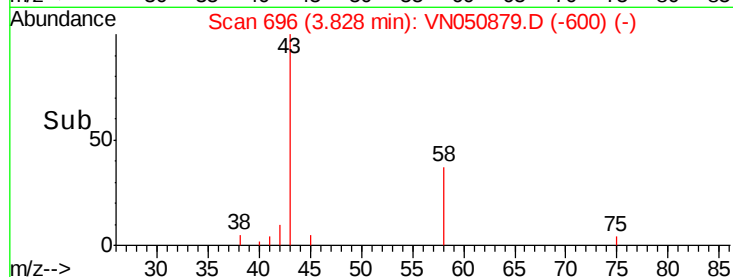
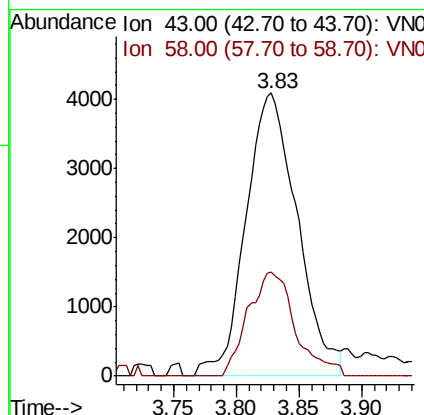
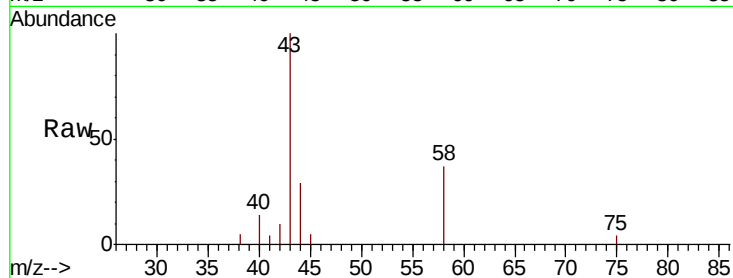




#16
 Acetone
 Concen: Below Cal
 RT: 3.83 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VN050879.D
 Acq: 24 Aug 2018 16:06

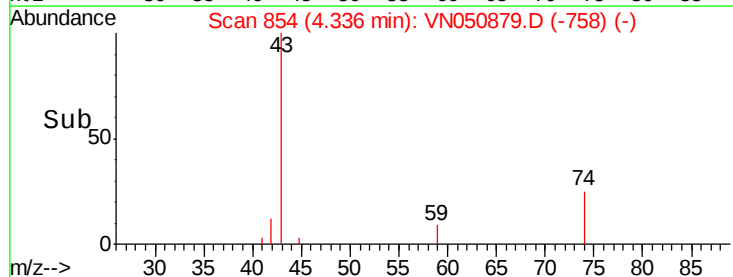
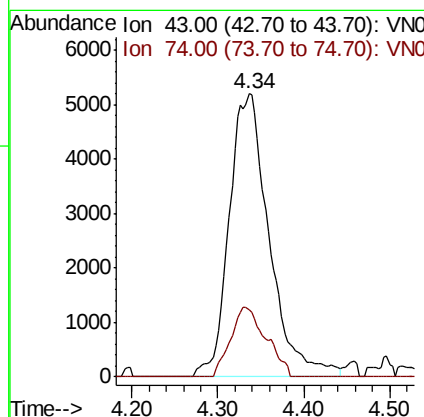
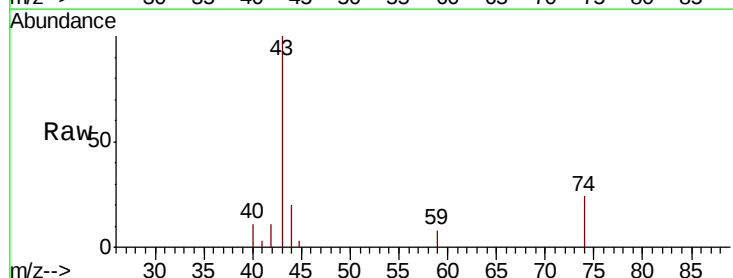
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112339ZHE#05

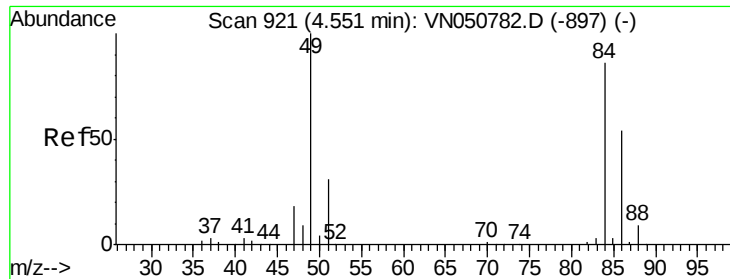
Tot Ion: 43 Resp: 11679
 Ion Ratio Lower Upper
 43 100
 58 36.7 27.2 40.8



#18
 Methyl Acetate
 Concen: 2.42 ug/l
 RT: 4.34 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: VN050879.D
 Acq: 24 Aug 2018 16:06

Tgt Ion: 43 Resp: 16863
 Ion Ratio Lower Upper
 43 100
 74 21.9 19.8 29.8



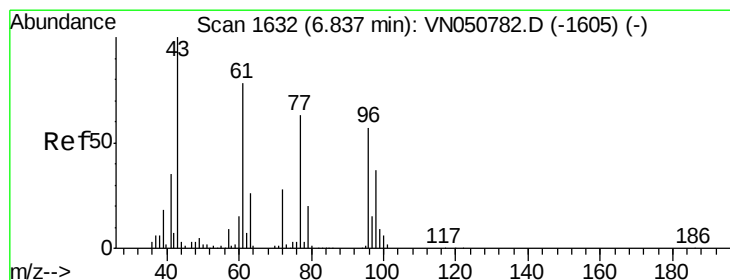
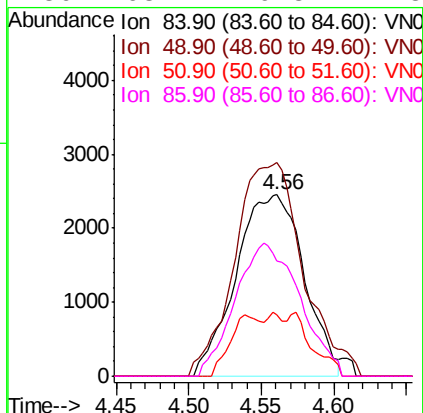
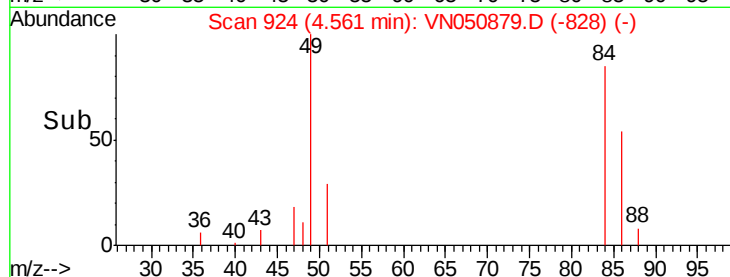
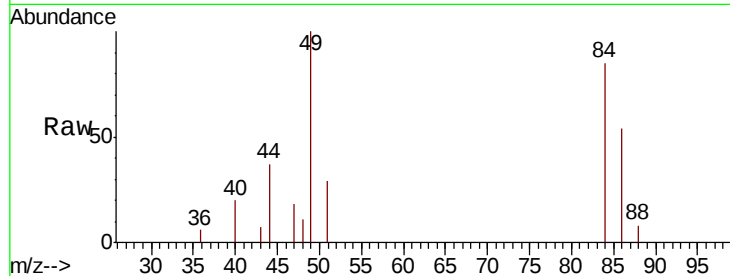


#20
Methvlene Chloride
Concen: 0.96 ug/l
RT: 4.56 min Scan# 924
Delta R.T. 0.01 min
Lab File: VN050879.D
Acq: 24 Aug 2018 16:06

Instrument :
MSVOA_N
ClientSampleId :
PB112339ZHE#05

Tot Ion: 84 Resp: 7992

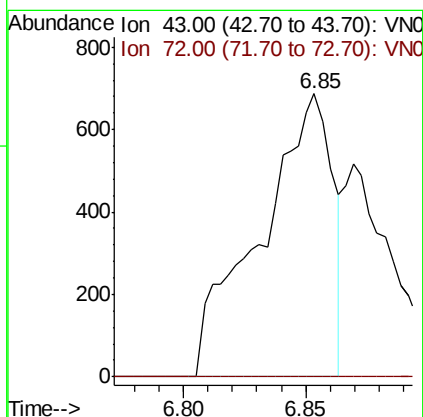
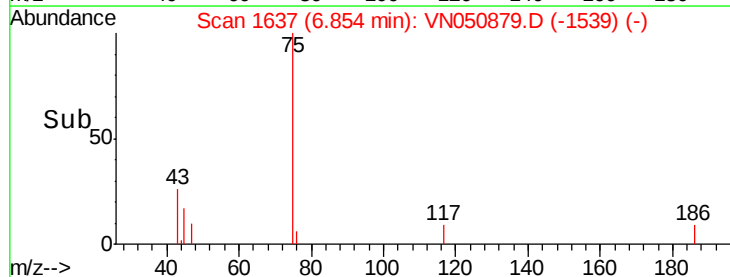
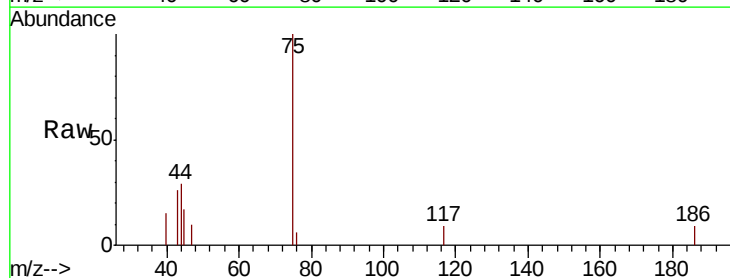
Ion	Ratio	Lower	Upper
84	100		
49	117.5	93.2	139.8
51	34.0	29.0	43.6
86	63.7	49.8	74.8

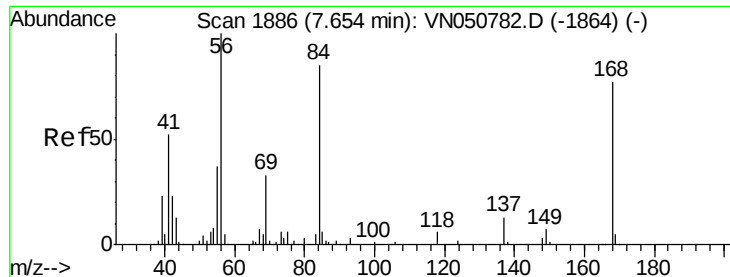


#25
2-Butanone
Concen: 0.48 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.02 min
Lab File: VN050879.D
Acq: 24 Aug 2018 16:06

Tgt Ion: 43 Resp: 1415

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.3	33.5#

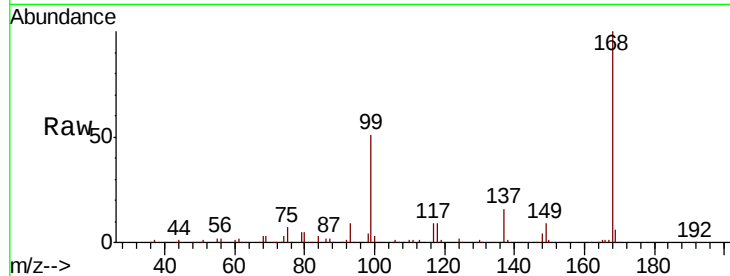




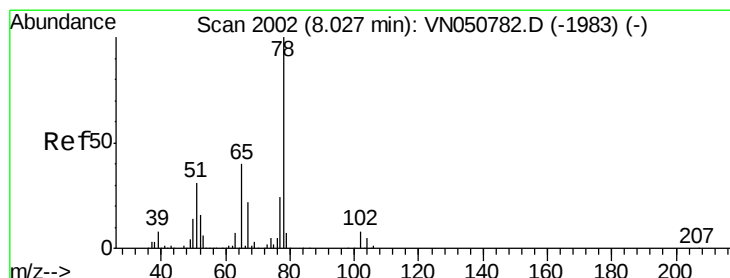
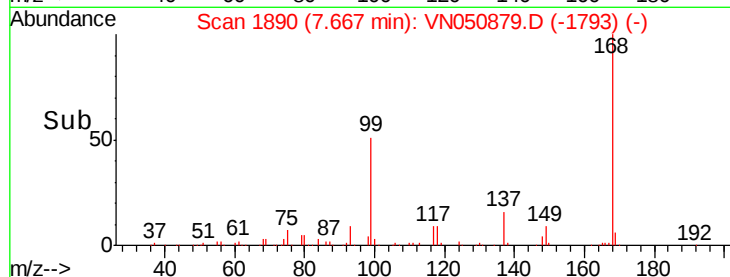
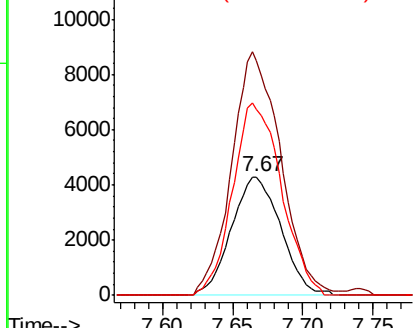
#31
Cyclohexane
Concen: 1.30 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050879.D
Acq: 24 Aug 2018 16:06

Instrument :
MSVOA_N
ClientSampleId :
PB112339ZHE#05

Tot Ion: 56 Resp: 10529
Ion Ratio Lower Upper
56 100
69 198.2 26.2 39.4#
84 157.5 68.3 102.5#

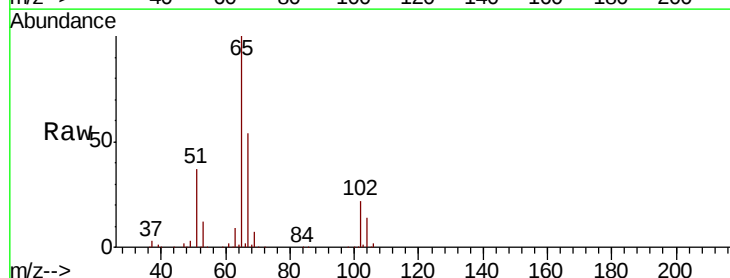


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

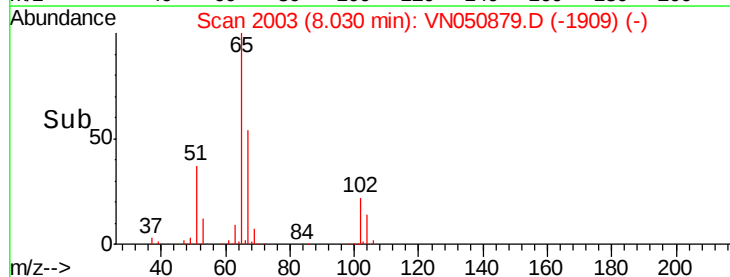
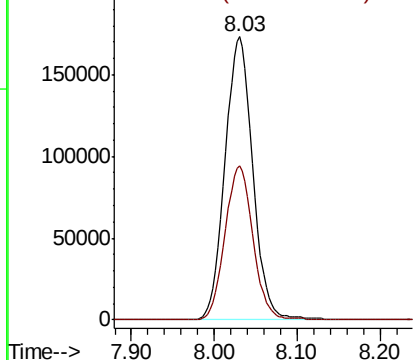


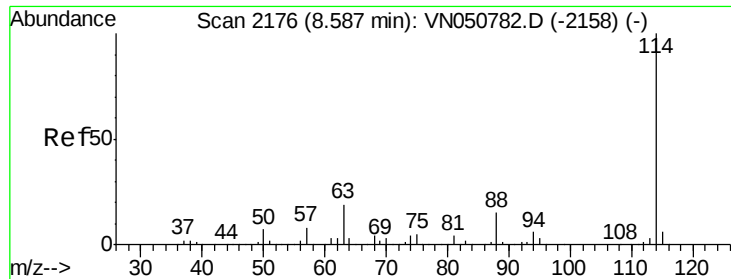
#33
1,2-Dichloroethane-d4
Concen: 54.69 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050879.D
Acq: 24 Aug 2018 16:06

Tgt Ion: 65 Resp: 403857
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

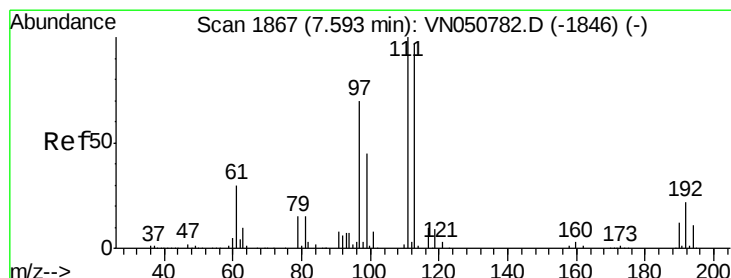
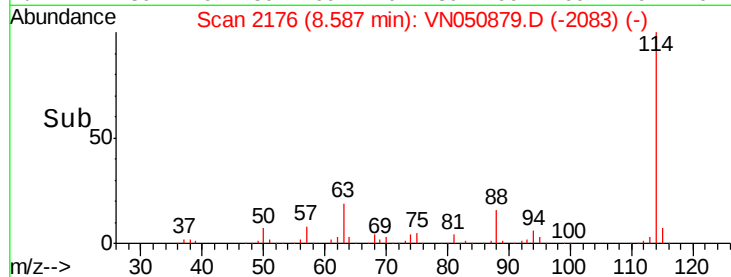
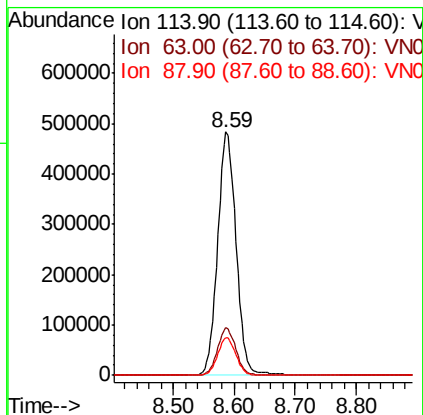
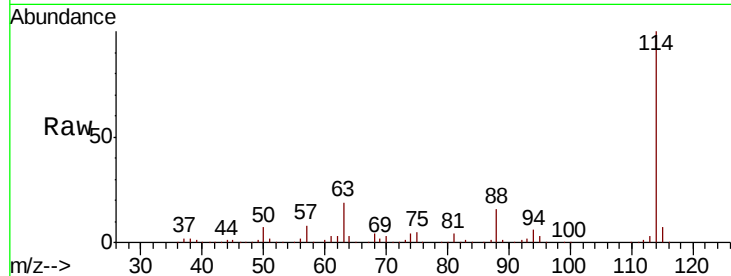




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050879.D
 Acq: 24 Aug 2018 16:06

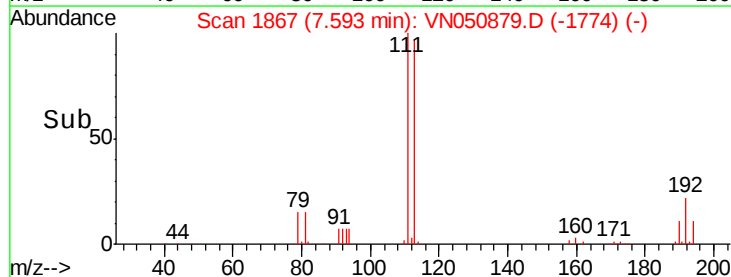
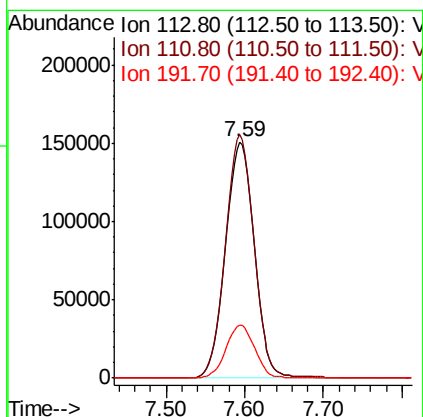
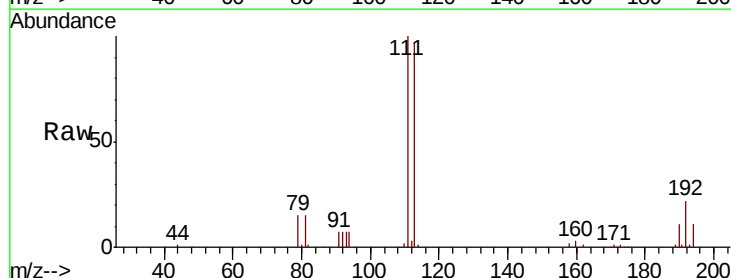
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112339ZHE#05

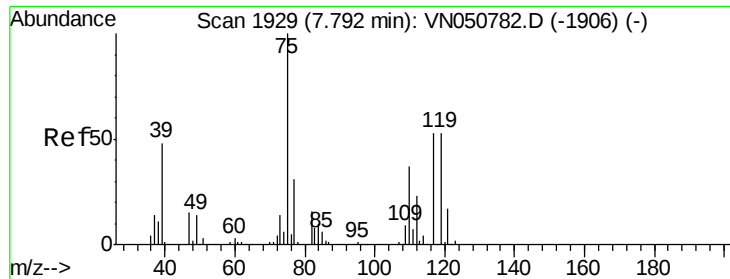
Tot Ion:114 Resp: 1014109
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.7 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 47.65 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050879.D
 Acq: 24 Aug 2018 16:06

Tgt Ion:113 Resp: 384429
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.6 123.8
 192 22.4 18.0 27.0

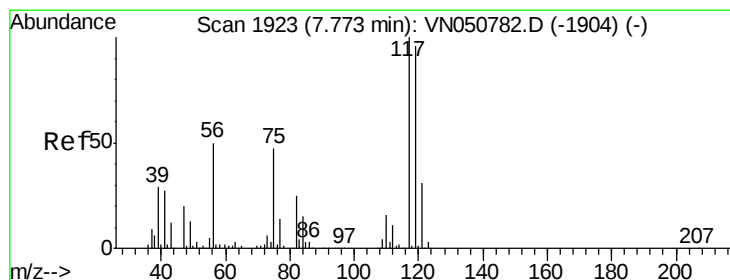
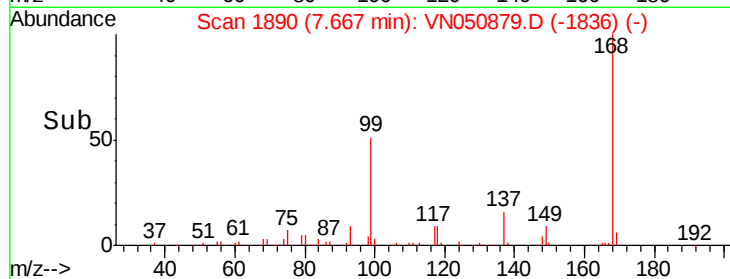
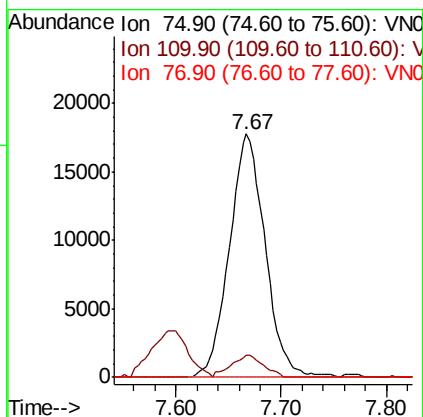
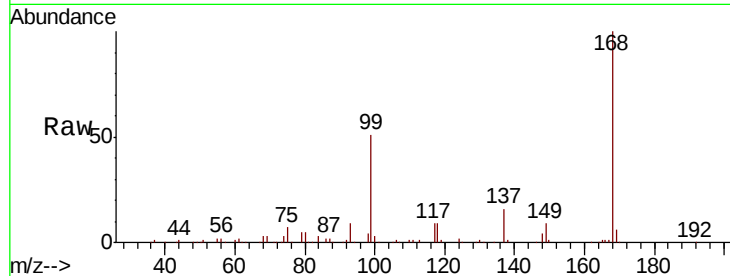




#36
 1,1-Dichloropropene
 Concen: 3.49 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050879.D
 Acq: 24 Aug 2018 16:06

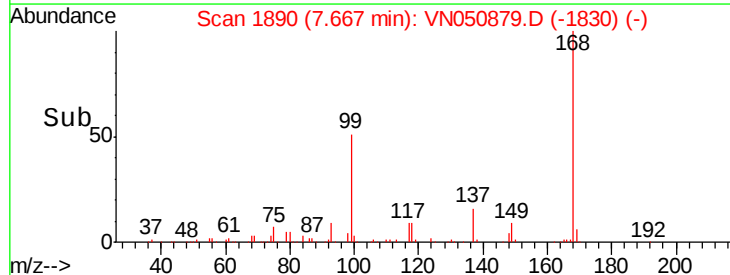
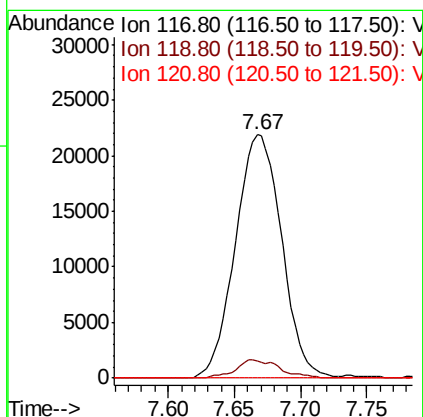
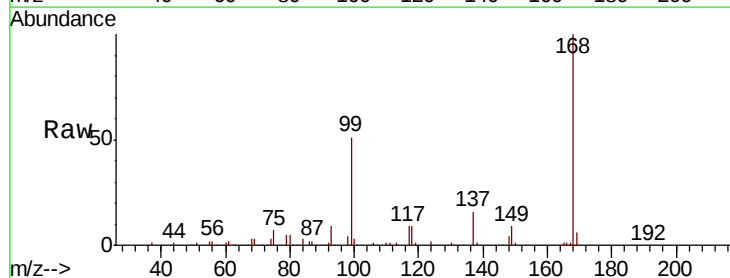
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112339ZHE#05

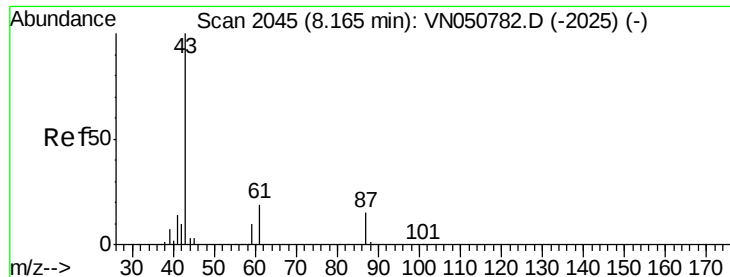
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.1	54.4#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 4.39 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050879.D
 Acq: 24 Aug 2018 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	76.3	114.5#
121	0.0	24.6	36.8#



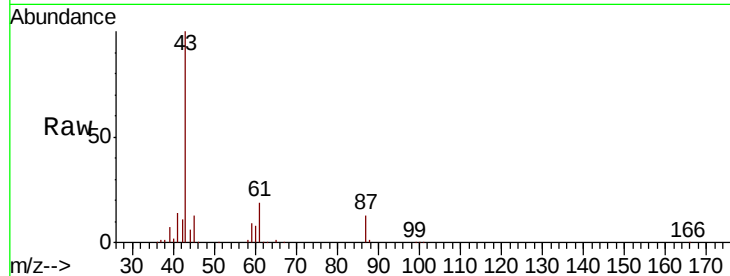


#43

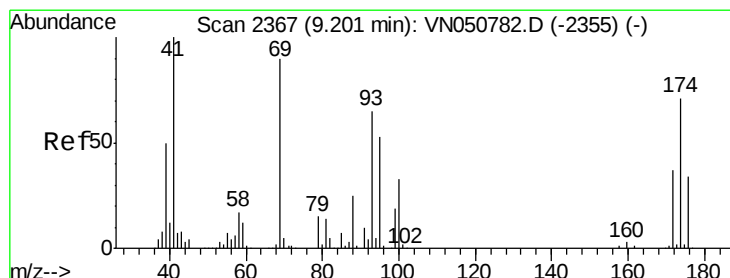
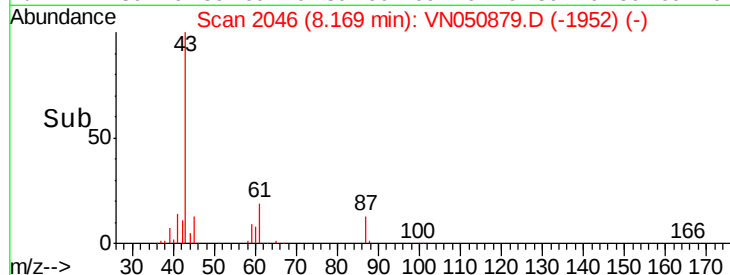
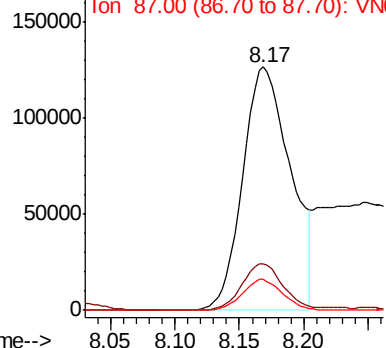
Isopropyl Acetate
 Concen: 27.75 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050879.D
 Acq: 24 Aug 2018 16:06

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112339ZHE#05

Tot Ion: 43 Resp: 327962
 Ion Ratio Lower Upper
 43 100
 61 16.8 17.5 26.3#
 87 10.8 11.3 16.9#



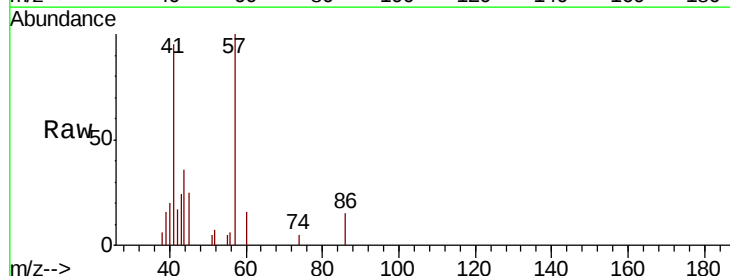
Abundance Ion 43.00 (42.70 to 43.70): VNC
 Ion 61.00 (60.70 to 61.70): VNC
 Ion 87.00 (86.70 to 87.70): VNC



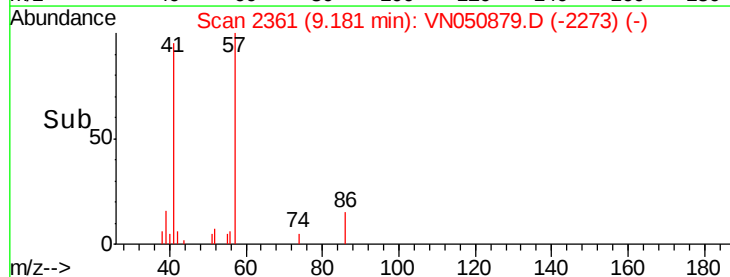
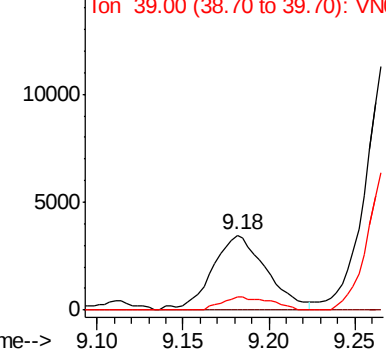
#48

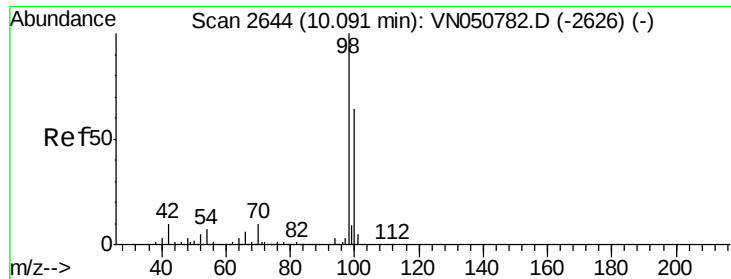
Methyl methacrylate
 Concen: 1.25 ug/l
 RT: 9.18 min Scan# 2361
 Delta R.T. -0.02 min
 Lab File: VN050879.D
 Acq: 24 Aug 2018 16:06

Tgt Ion: 41 Resp: 7554
 Ion Ratio Lower Upper
 41 100
 69 0.0 74.7 112.1#
 39 15.8 42.2 63.2#



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

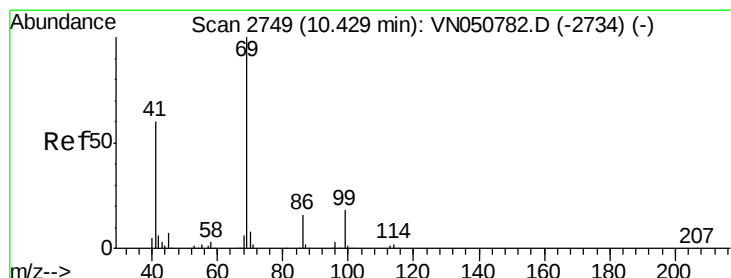
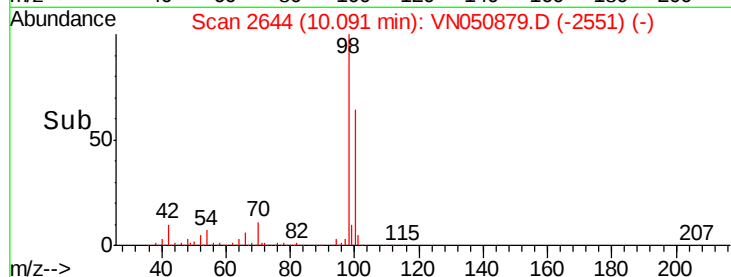
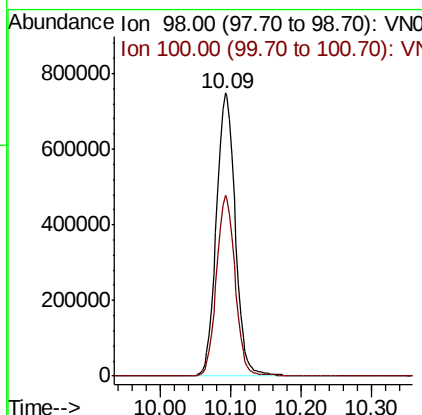
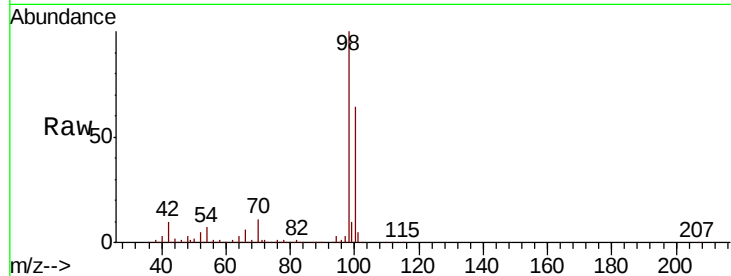




#50
Toluene-d8
Concen: 46.28 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050879.D
Acq: 24 Aug 2018 16:06

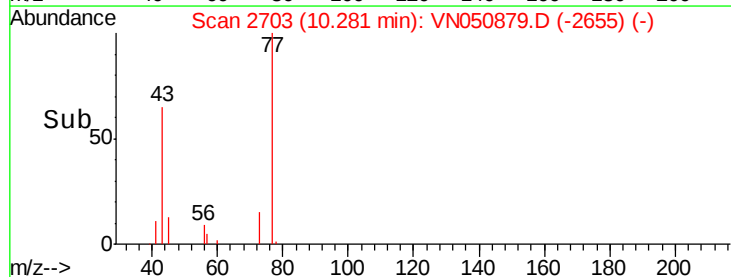
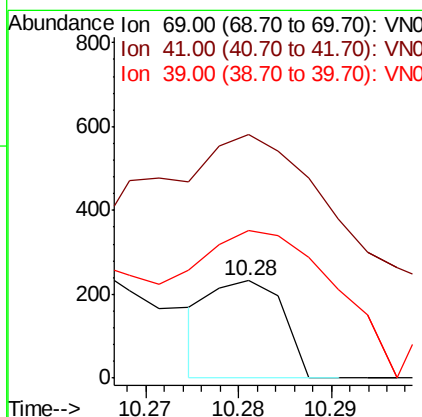
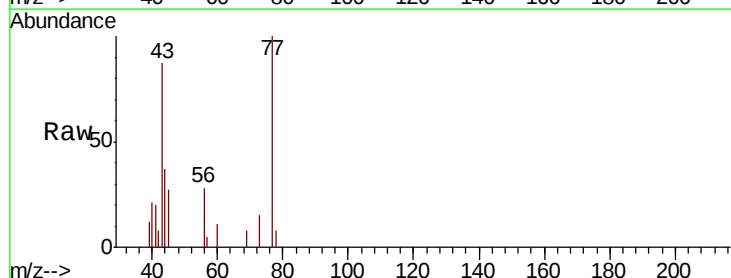
Instrument :
MSVOA_N
ClientSampleId :
PB112339ZHE#05

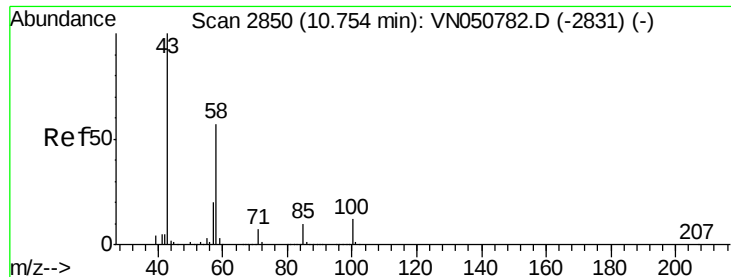
Tot Ion: 98 Resp: 1396041
Ion Ratio Lower Upper
98 100
100 63.1 51.5 77.3



#56
Ethyl methacrylate
Concen: 2.36 ug/l
RT: 10.28 min Scan# 2703
Delta R.T. -0.15 min
Lab File: VN050879.D
Acq: 24 Aug 2018 16:06

Tgt Ion: 69 Resp: 124
Ion Ratio Lower Upper
69 100
41 895.2 48.3 72.5#
39 298.4 24.0 36.0#

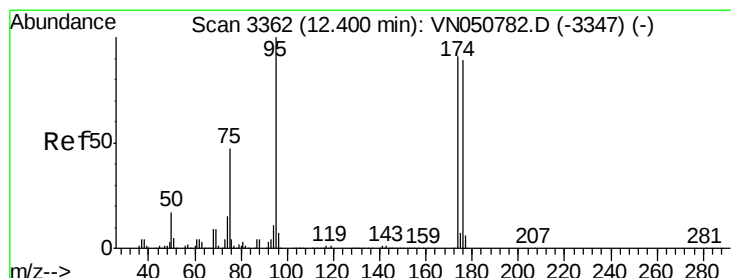
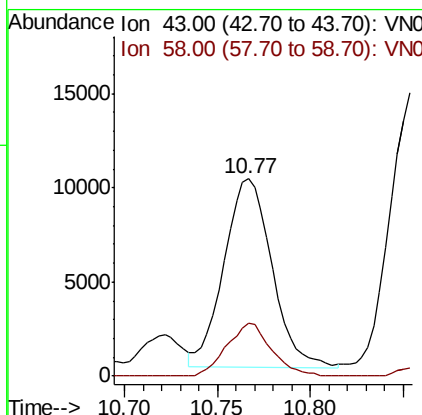
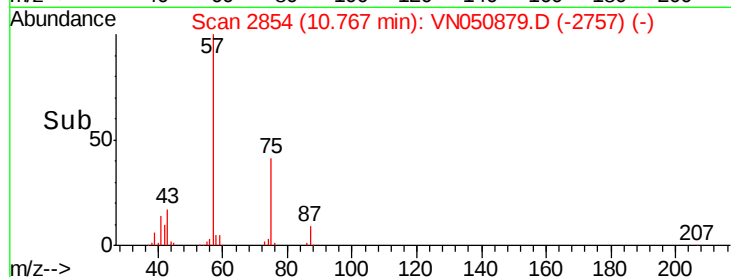
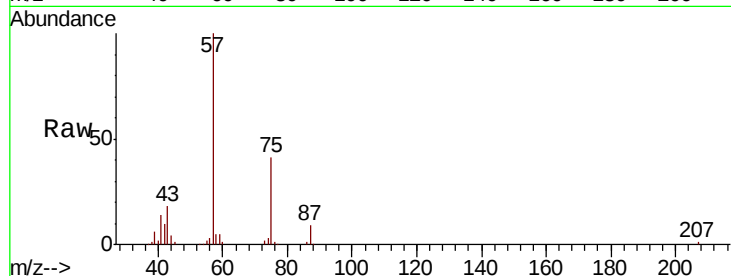




#59
2-Hexanone
Concen: 3.83 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050879.D
Acq: 24 Aug 2018 16:06

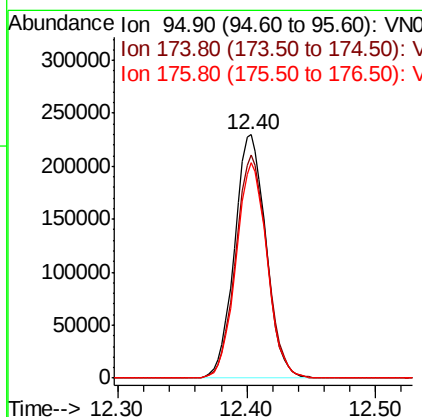
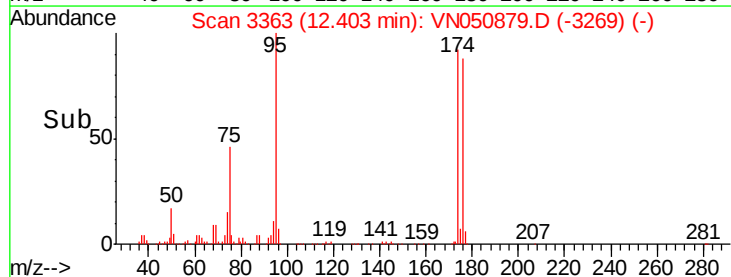
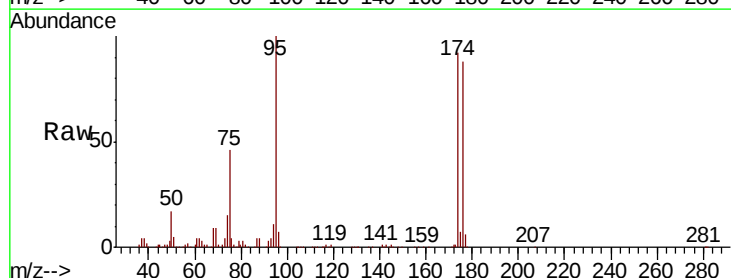
Instrument :
MSVOA_N
ClientSampleId :
PB112339ZHE#05

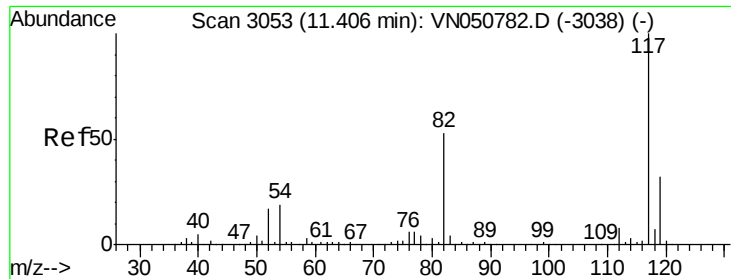
Tot Ion: 43 Resp: 17996
Ion Ratio Lower Upper
43 100
58 26.1 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 38.78 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050879.D
Acq: 24 Aug 2018 16:06

Tgt Ion: 95 Resp: 388709
Ion Ratio Lower Upper
95 100
174 92.0 0.0 183.0
176 87.4 0.0 178.8

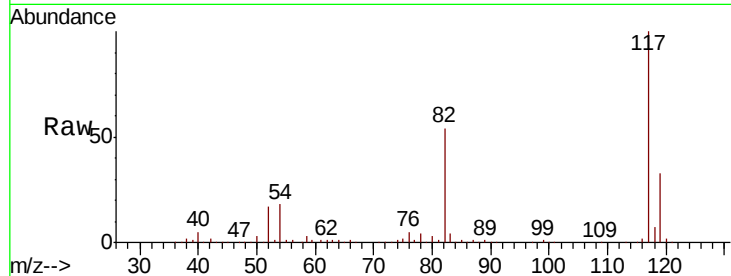




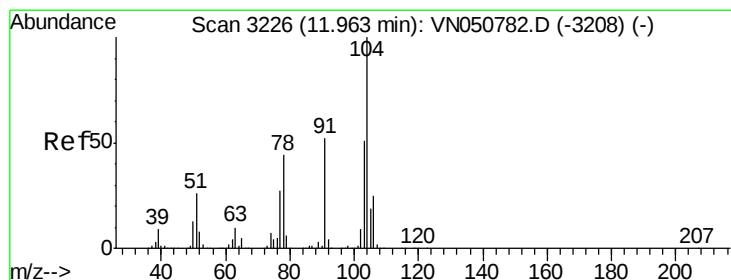
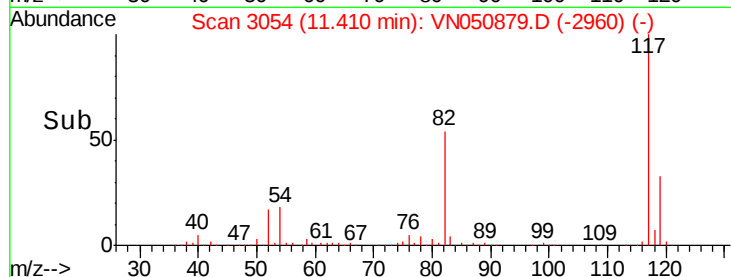
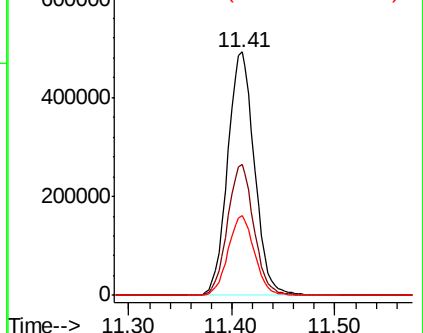
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050879.D
Acq: 24 Aug 2018 16:06

Instrument :
MSVOA_N
ClientSampleId :
PB112339ZHE#05

Tot Ion:117 Resp: 890772
Ion Ratio Lower Upper
117 100
82 53.6 42.6 64.0
119 32.5 25.8 38.6

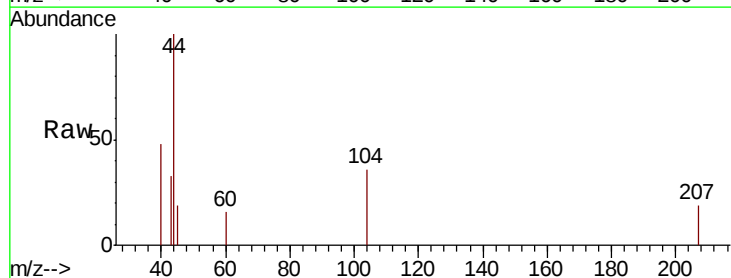


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

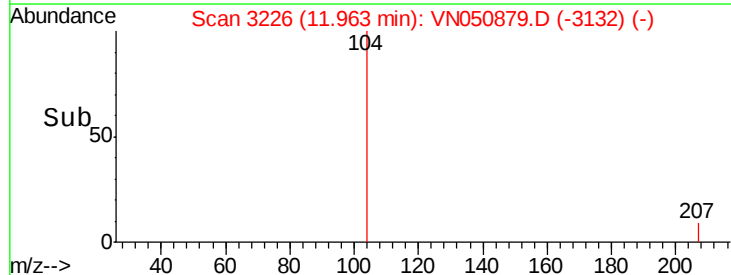
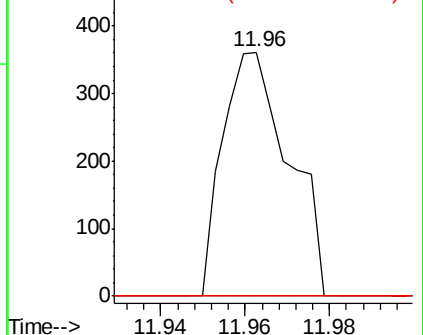


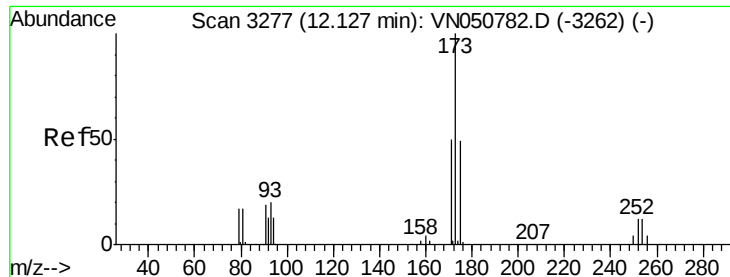
#70
Styrene
Concen: 1.29 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050879.D
Acq: 24 Aug 2018 16:06

Tgt Ion:104 Resp: 391
Ion Ratio Lower Upper
104 100
78 0.0 38.2 57.4#
103 0.0 44.4 66.6#



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





#71

Bromoform

Concen: 0.24 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050879.D

Acq: 24 Aug 2018 16:06

Instrument :

MSVOA_N

ClientSampleId :

PB112339ZHE#05

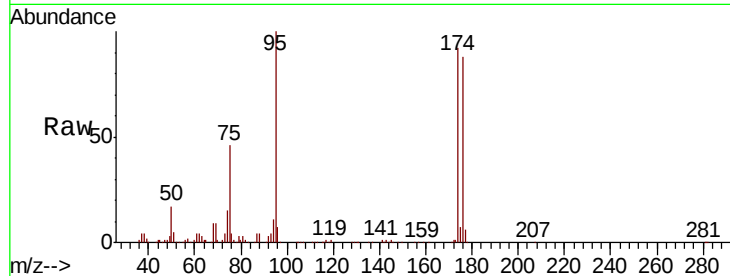
Tot Ion:173 Resp: 1419

Ion Ratio Lower Upper

173 100

175 1580.0 24.4 73.4#

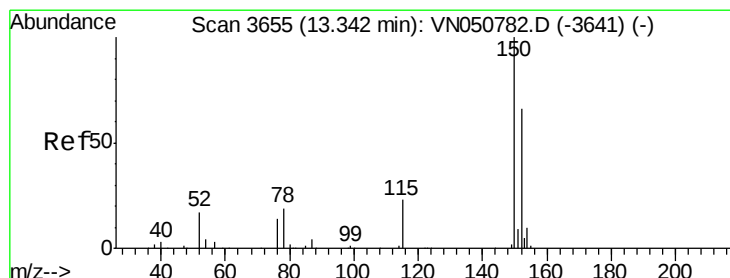
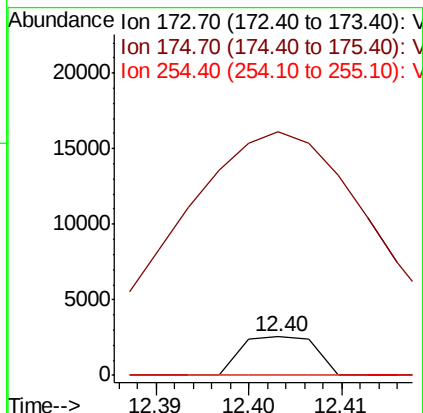
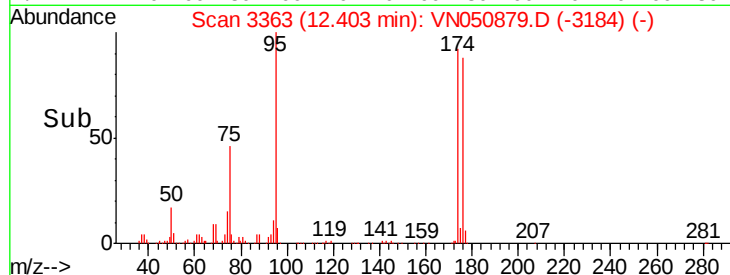
254 0.0 0.1 0.1#



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: VN050879.D

Acq: 24 Aug 2018 16:06

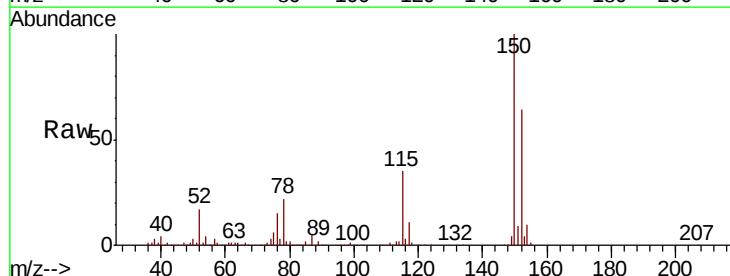
Tgt Ion:152 Resp: 310815

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

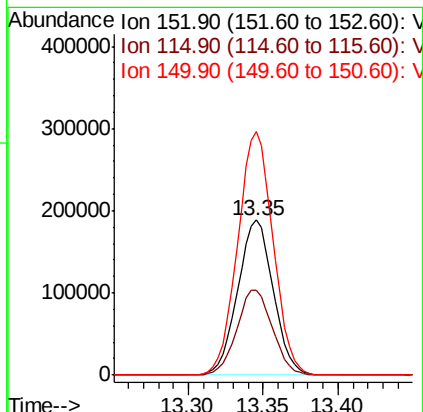
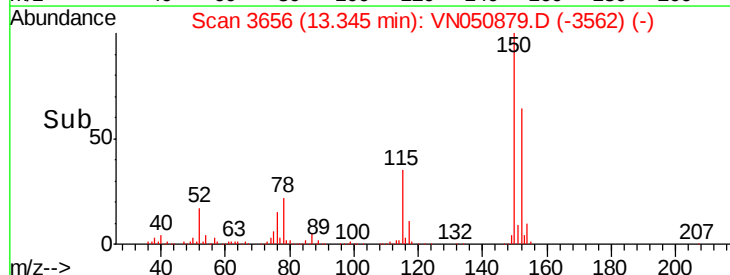
150 156.7 0.0 351.4

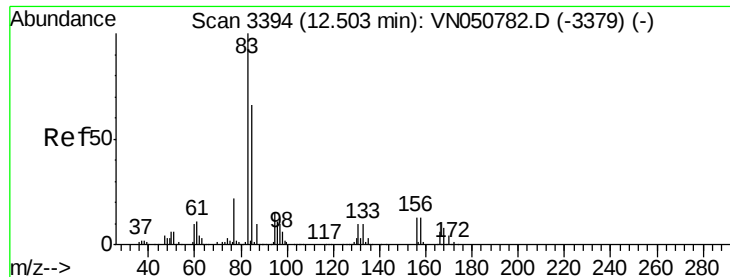


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3363

Delta R.T. -0.10 min

Lab File: VN050879.D

Acq: 24 Aug 2018 16:06

Instrument :

MSVOA_N

ClientSampleId :

PB112339ZHE#05

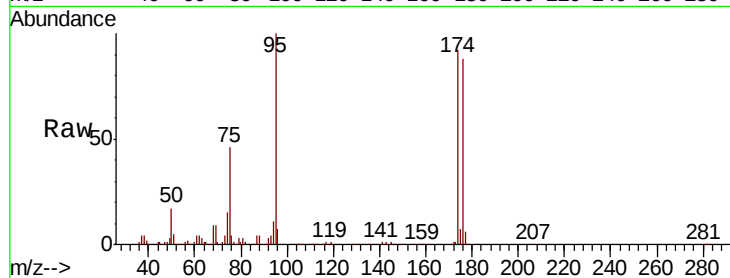
Tot Ion: 83 Resp: 228

Ion Ratio Lower Upper

83 100

131 168.4 5.3 15.9#

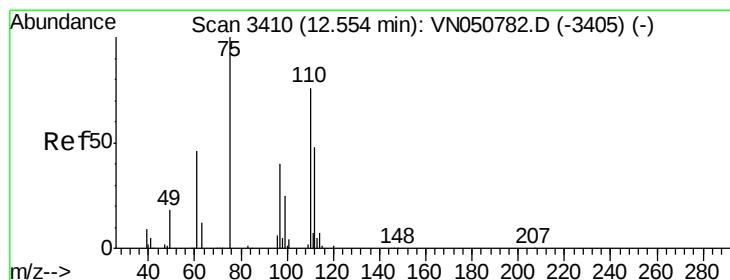
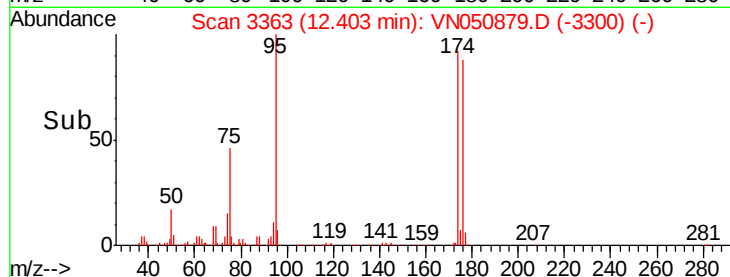
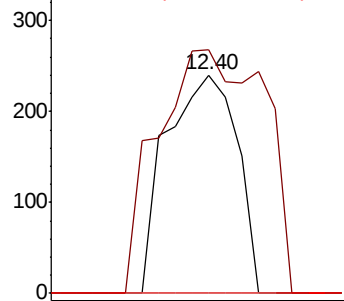
85 0.0 31.9 95.7#



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: 32.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050879.D

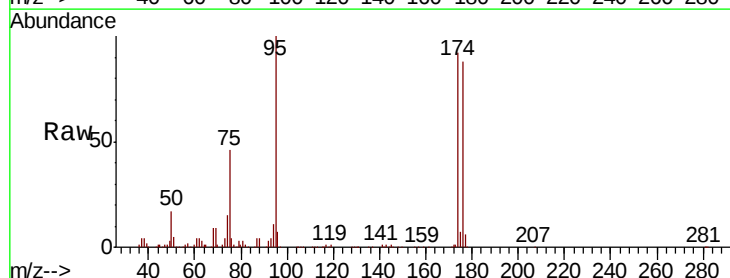
Acq: 24 Aug 2018 16:06

Tgt Ion: 75 Resp: 179501

Ion Ratio Lower Upper

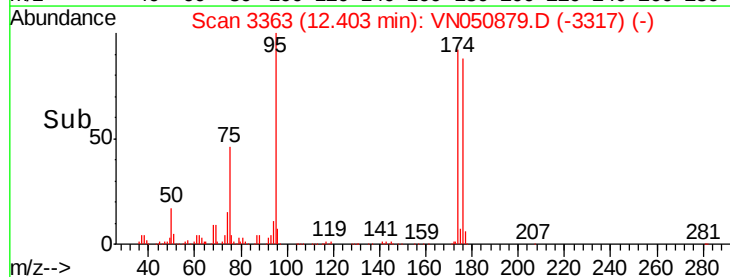
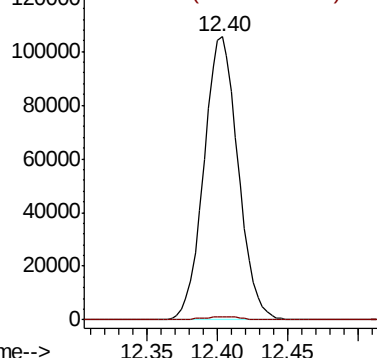
75 100

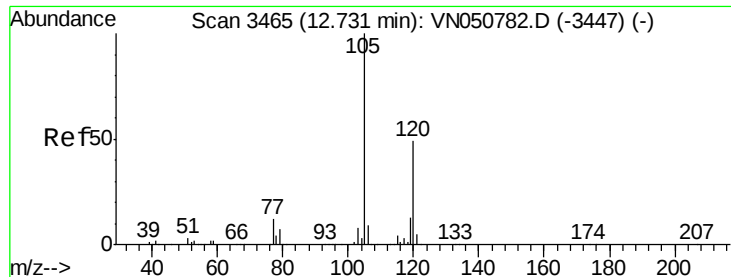
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

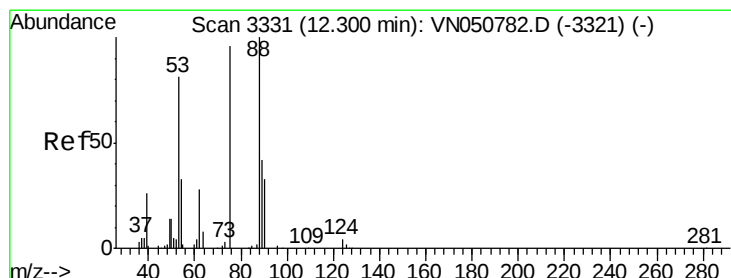
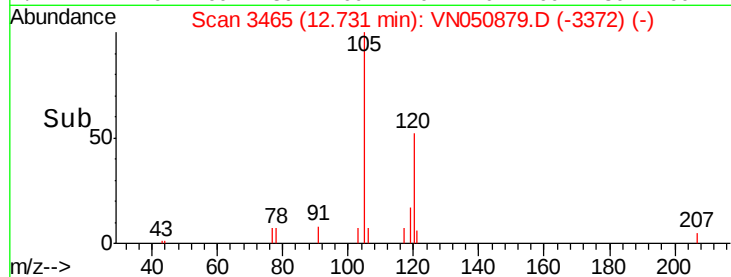
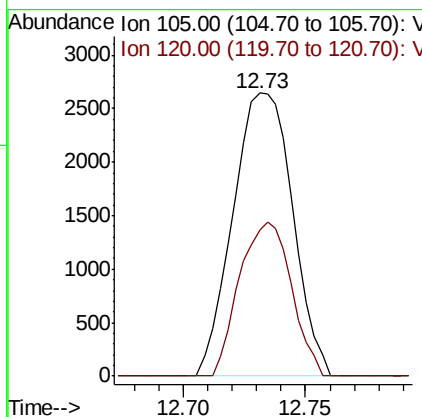
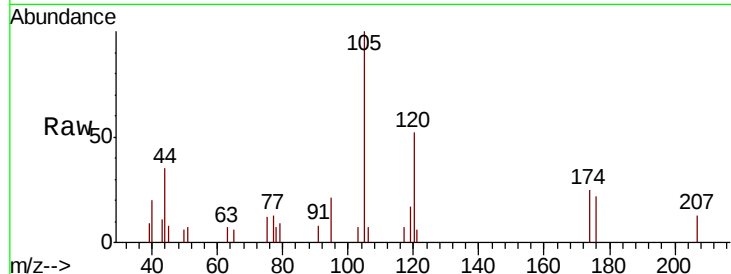




#80
 1,3,5-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 12.73 min Scan# 3465
 Delta R.T. 0.00 min
 Lab File: VN050879.D
 Acq: 24 Aug 2018 16:06

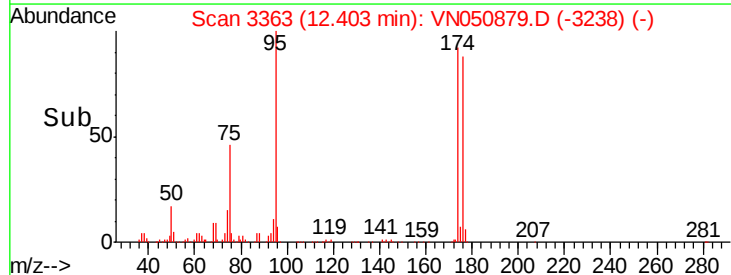
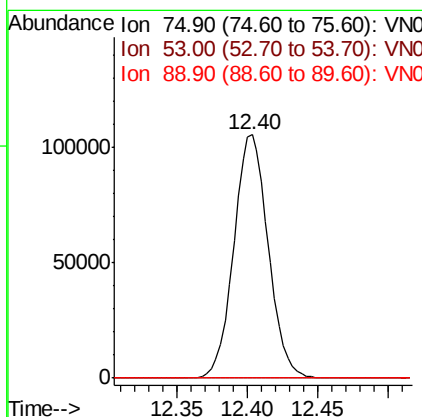
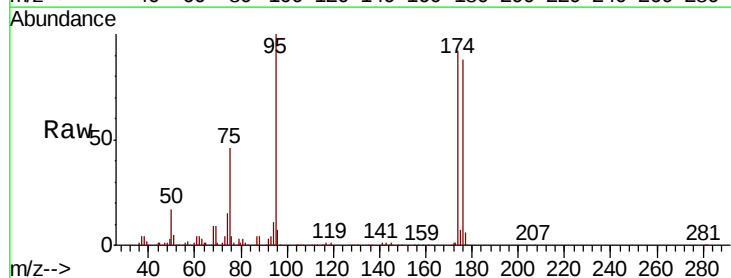
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112339ZHE#05

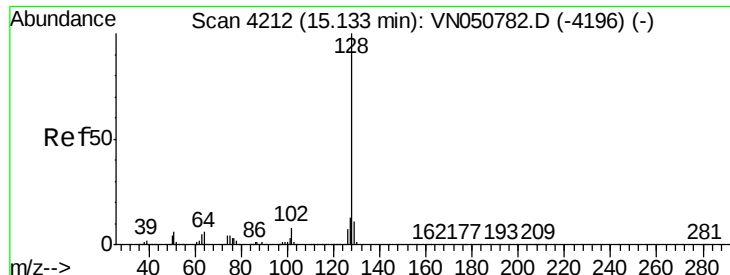
Tot Ion:105 Resp: 4490
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.47 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050879.D
 Acq: 24 Aug 2018 16:06

Tgt Ion: 75 Resp: 179501
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.9 103.3#
 89 0.0 36.1 54.1#

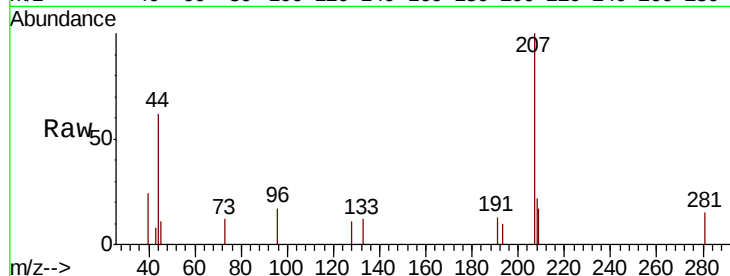




#95
Naphthalene
Concen: 5.41 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050879.D
Acq: 24 Aug 2018 16:06

Instrument :
MSVOA_N
ClientSampleId :
PB112339ZHE#05

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	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

