

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
 Data File : VN050234.D
 Acq On : 1 Aug 2018 8:51
 Operator : MD\SY
 Sample : VN0801WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 02 00:49:42 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	693380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1140956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	928191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319753	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	485562	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
35) Dibromofluoromethane	7.59	113	440093	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
50) Toluene-d8	10.09	98	1557719	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
62) 4-Bromofluorobenzene	12.40	95	400726	35.53	ug/l	0.00
Spiked Amount			Recovery	=	71.06%	

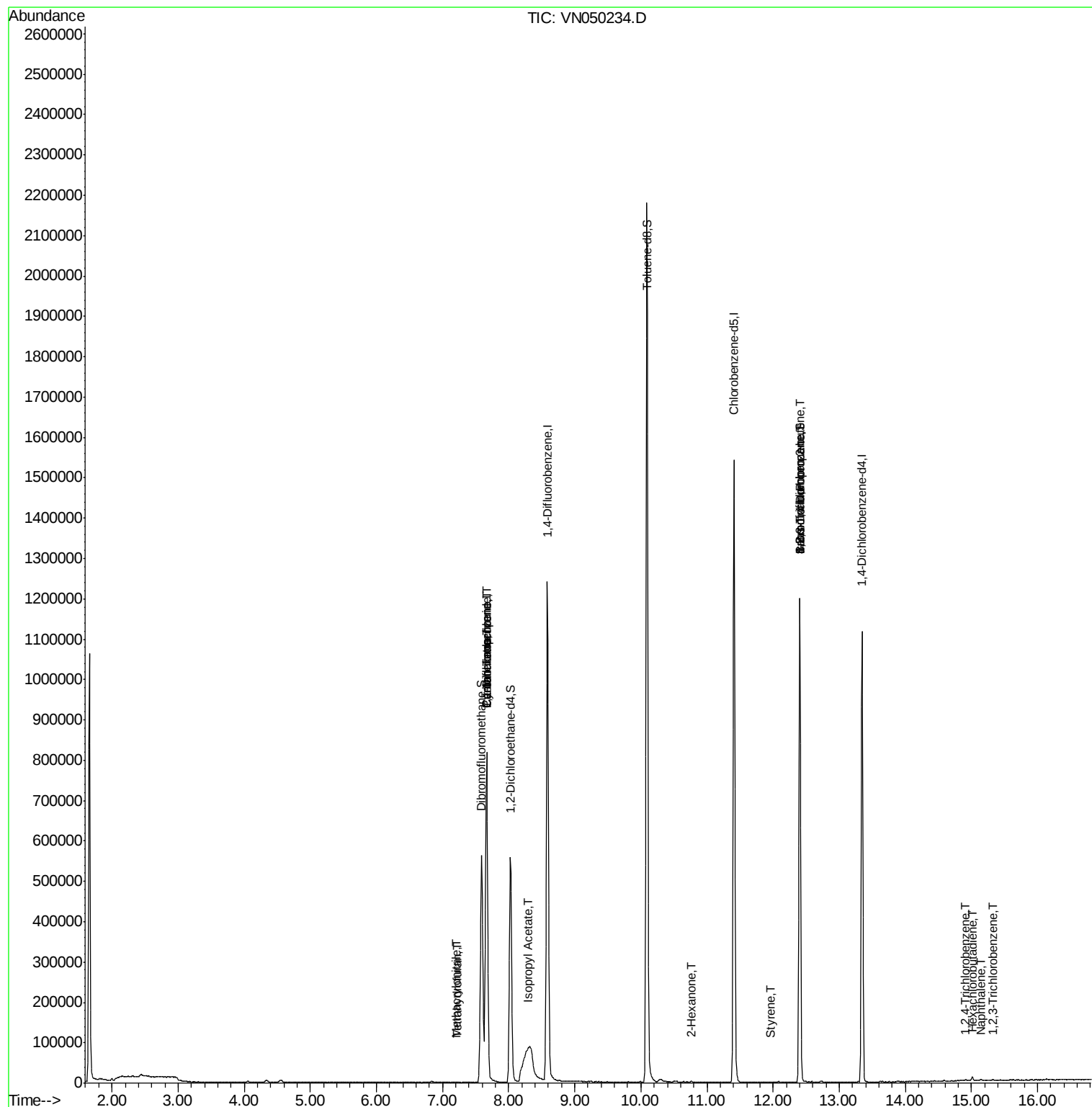
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	509	Below Cal	#	71
16) Acetone	3.83	43	1139	Below Cal	#	81
18) Methyl Acetate	4.34	43	11885	Below Cal	#	69
20) Methylene Chloride	4.54	84	2296	Below Cal	#	86
29) Tetrahydrofuran	7.23	42	530	0.22	ug/l	# 46
31) Cyclohexane	7.67	56	13282	0.93	ug/l	# 1
36) 1,1-Dichloropropene	7.66	75	50286	3.91	ug/l	# 48
38) Carbon Tetrachloride	7.66	117	62881	4.61	ug/l	# 16
41) Methacrylonitrile	7.21	41	170	2.78	ug/l	# 10
43) Isopropyl Acetate	8.30	43	161884	8.64	ug/l	# 61
59) 2-Hexanone	10.76	43	718	5.28	ug/l	# 97
70) Styrene	11.96	104	321	0.94	ug/l	# 40
71) Bromoform	12.40	173	1421	0.22	ug/l	# 29
75) 1,1,2,2-Tetrachloroethane	12.51	83	121	Below Cal	#	83
76) 1,2,3-Trichloropropane	12.40	75	196567	33.08	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	196567	104.92	ug/l	# 13
93) 1,2,4-Trichlorobenzene	14.91	180	863	3.22	ug/l	# 98
94) Hexachlorobutadiene	15.01	225	2104	0.59	ug/l	# 96
95) Naphthalene	15.14	128	2428	4.57	ug/l	# 87
96) 1,2,3-Trichlorobenzene	15.32	180	1063	2.37	ug/l	# 73

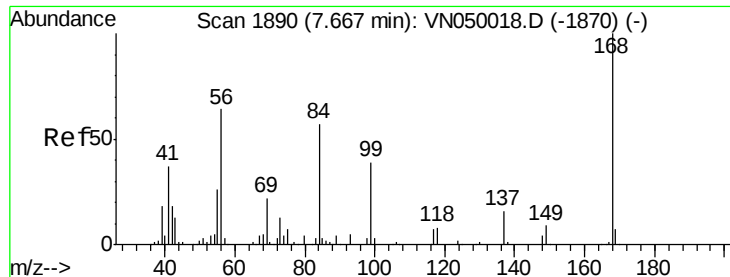
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 1 Aug 2018 8:51
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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050234.D

Acq: 1 Aug 2018 8:51

Instrument :

MSVOA_N

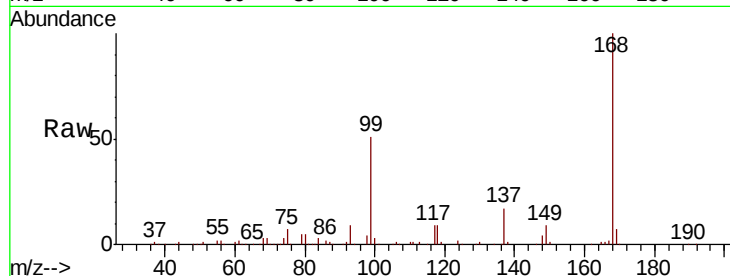
ClientSampleId :

Tot Ion:168 Resp: 693380

Ion Ratio Lower Upper

168 100

99 51.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

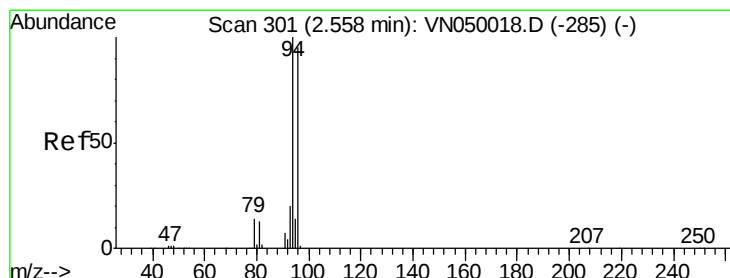
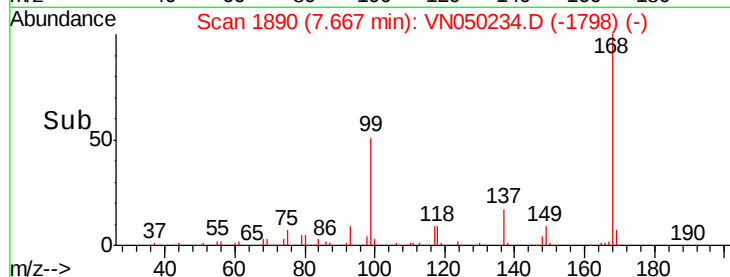
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.02 min

Lab File: VN050234.D

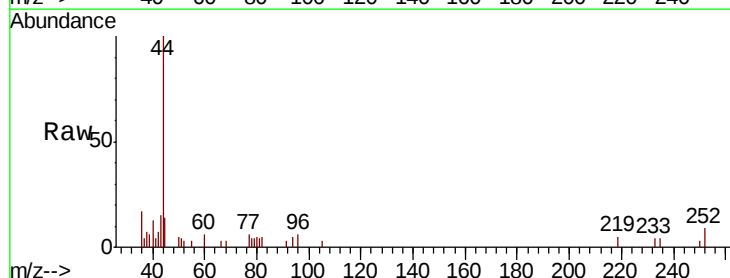
Acq: 1 Aug 2018 8:51

Tgt Ion: 94 Resp: 509

Ion Ratio Lower Upper

94 100

96 65.5 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050018.D (-285) (-)

Ion 95.90 (95.60 to 96.60): VN050018.D (-285) (-)

2.57

400

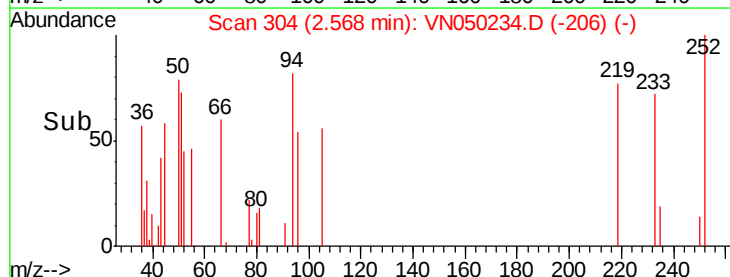
300

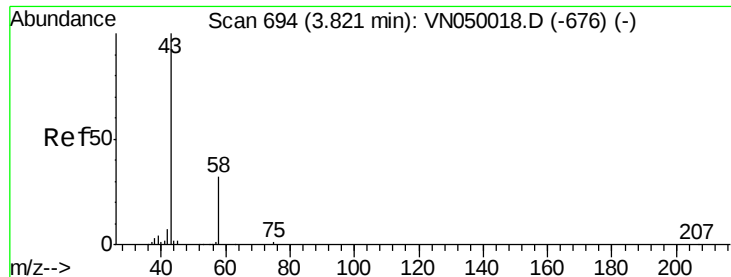
200

100

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050234.D

Acq: 1 Aug 2018 8:51

Instrument :

MSVOA_N

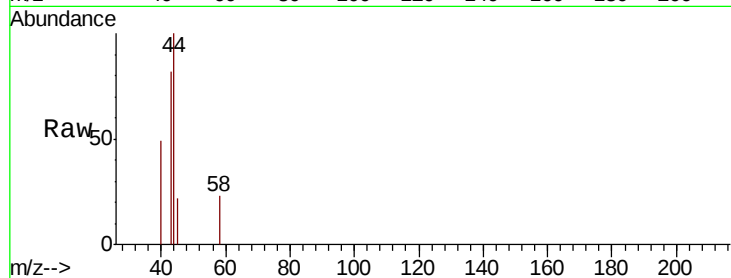
ClientSampled :

Tot Ion: 43 Resp: 1139

Ion Ratio Lower Upper

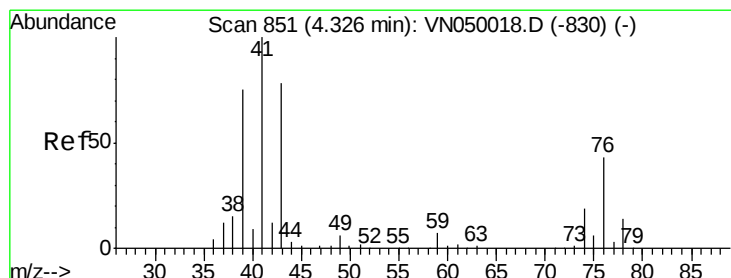
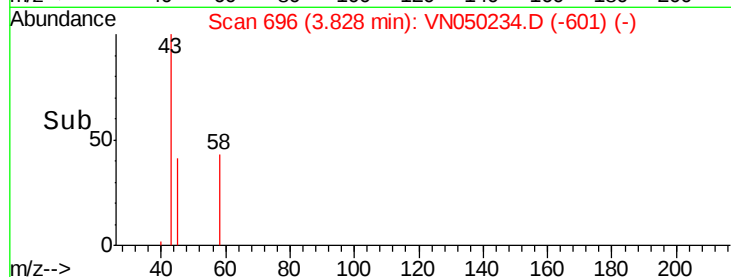
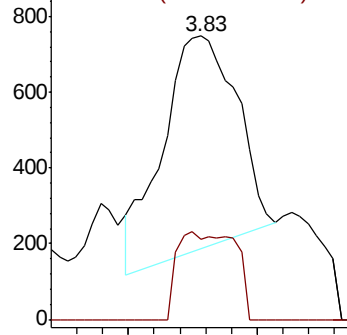
43 100

58 43.0 25.8 38.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050234.D

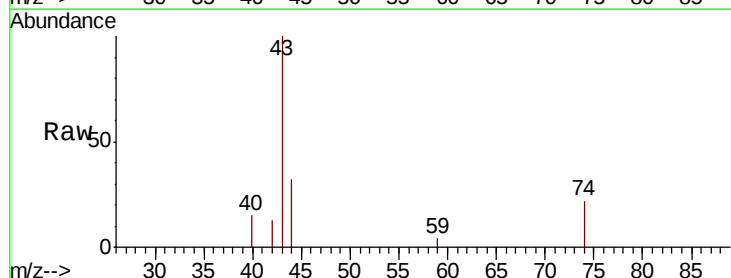
Acq: 1 Aug 2018 8:51

Tgt Ion: 43 Resp: 11885

Ion Ratio Lower Upper

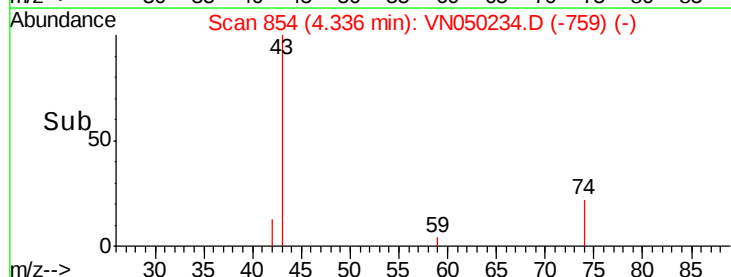
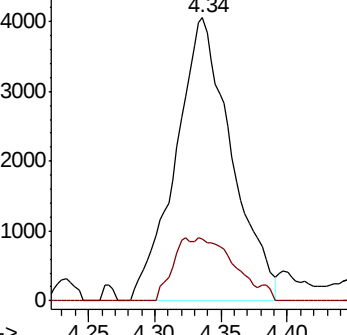
43 100

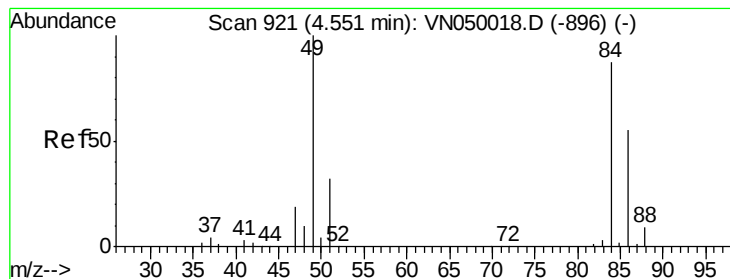
74 8.8 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.54 min Scan# 918

Delta R.T. -0.01 min

Lab File: VN050234.D

Acq: 1 Aug 2018 8:51

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 84 Resp: 2296

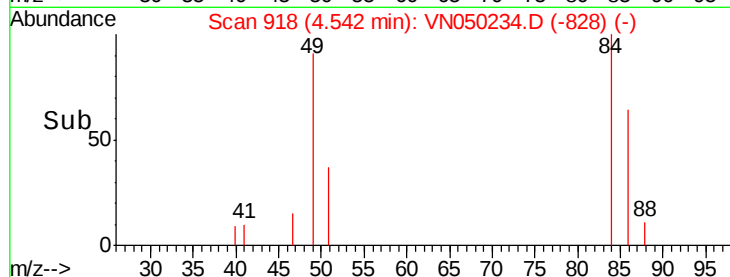
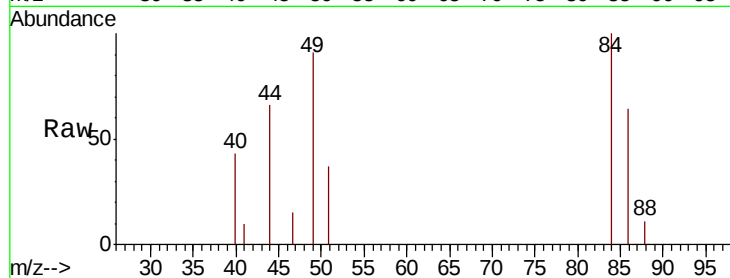
Ion Ratio Lower Upper

84 100

49 91.4 94.8 142.2#

51 36.7 28.3 42.5

86 63.6 51.0 76.6

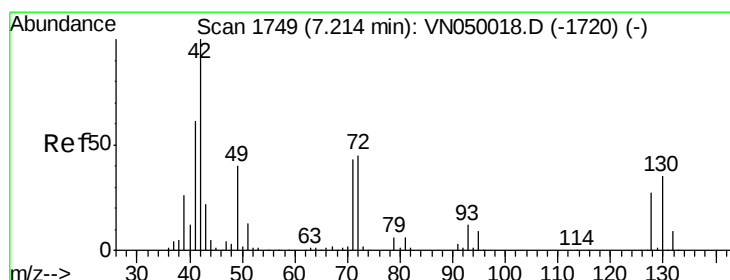
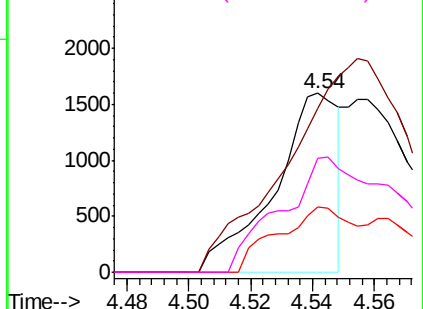


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#29

Tetrahydrofuran

Concen: 0.22 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050234.D

Acq: 1 Aug 2018 8:51

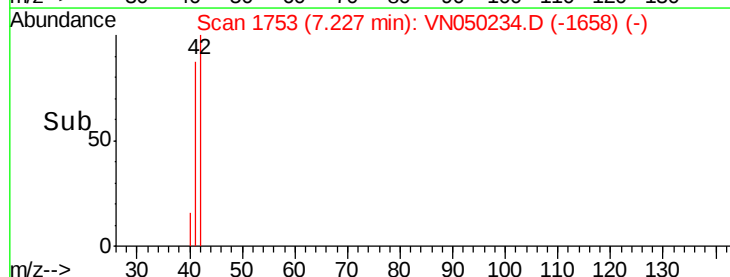
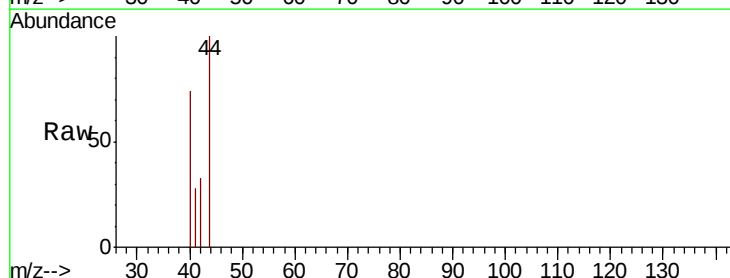
Tgt Ion: 42 Resp: 530

Ion Ratio Lower Upper

42 100

72 11.5 35.9 53.9#

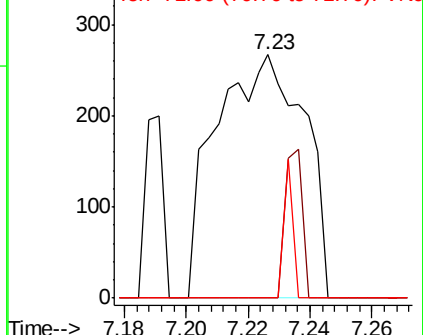
71 5.5 33.7 50.5#

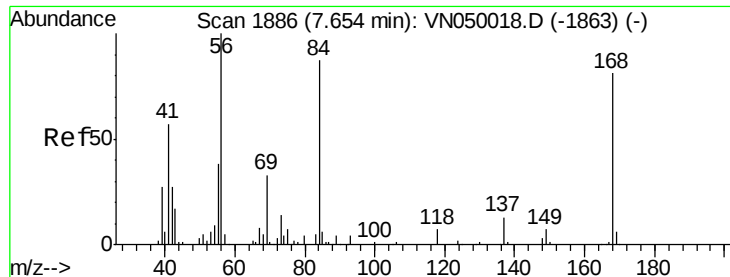


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

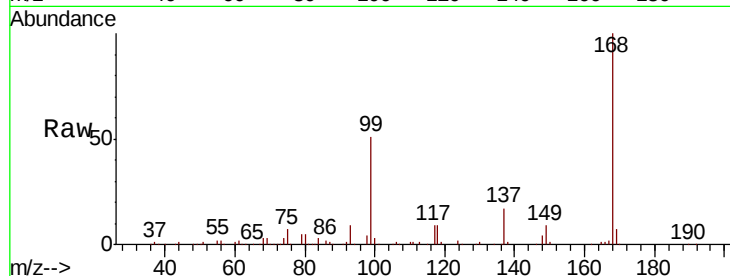




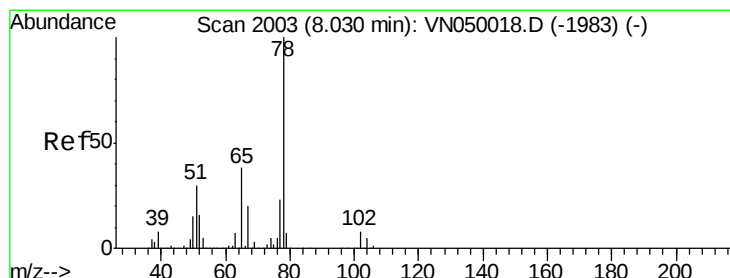
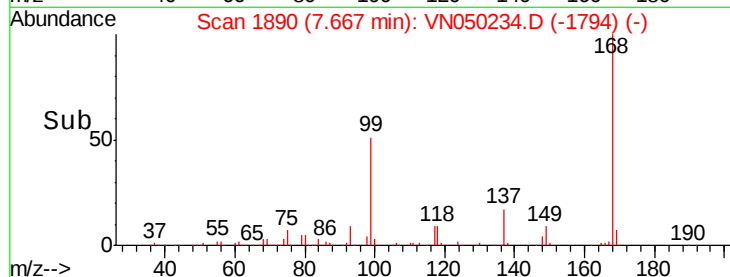
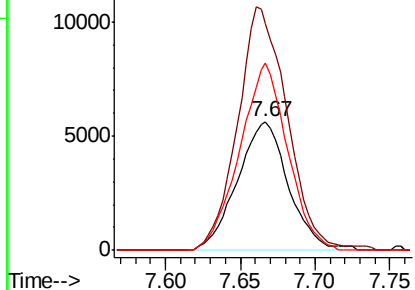
#31
Cyclohexane
Concen: 0.93 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050234.D
Acq: 1 Aug 2018 8:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 13282
Ion Ratio Lower Upper
56 100
69 176.2 26.2 39.4#
84 145.4 67.4 101.0#

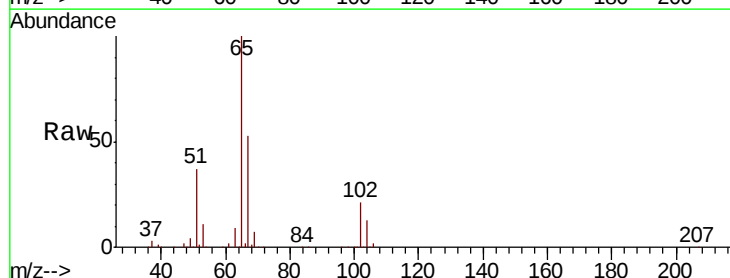


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

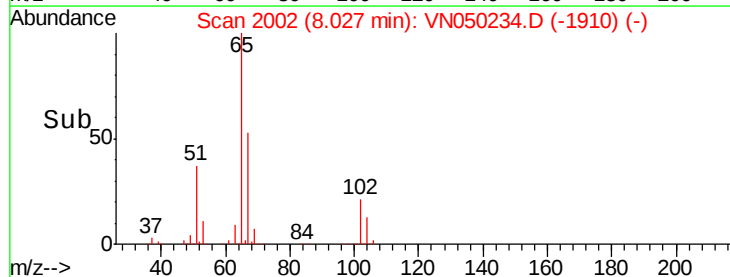
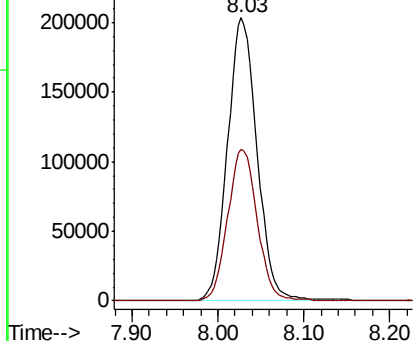


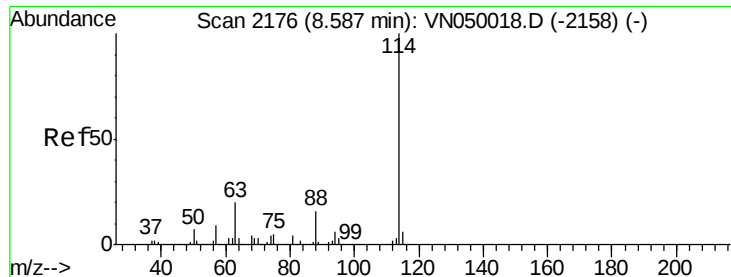
#33
1,2-Dichloroethane-d4
Concen: 50.19 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. -0.00 min
Lab File: VN050234.D
Acq: 1 Aug 2018 8:51

Tgt Ion: 65 Resp: 485562
Ion Ratio Lower Upper
65 100
67 53.8 0.0 108.4



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



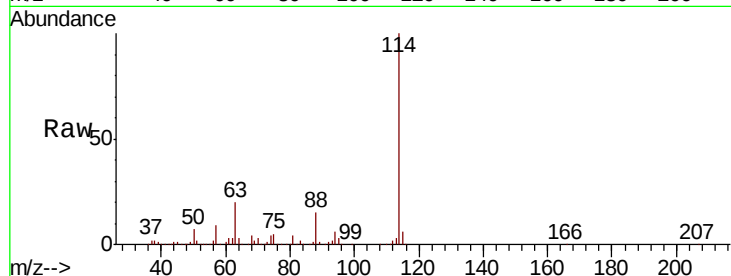


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050234.D
 Acq: 1 Aug 2018 8:51

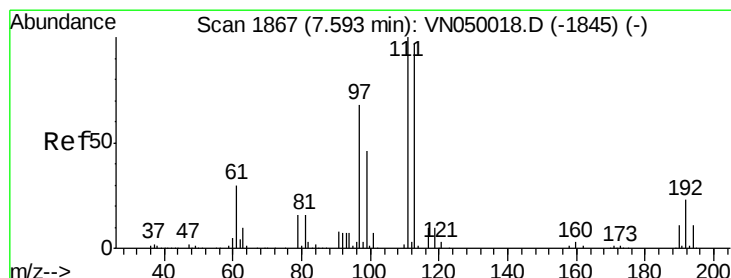
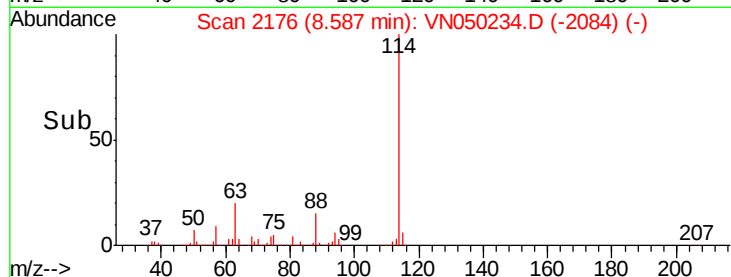
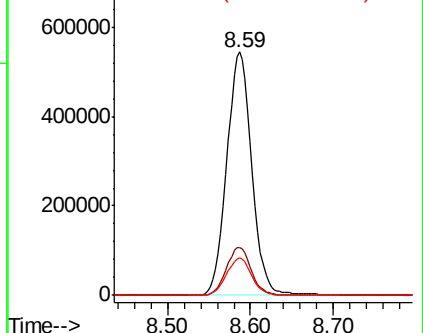
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1140956

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	15.3	0.0	31.2



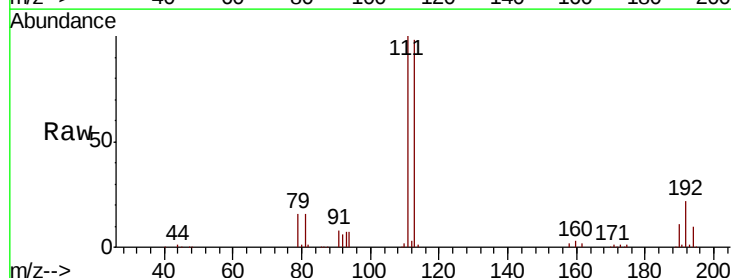
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



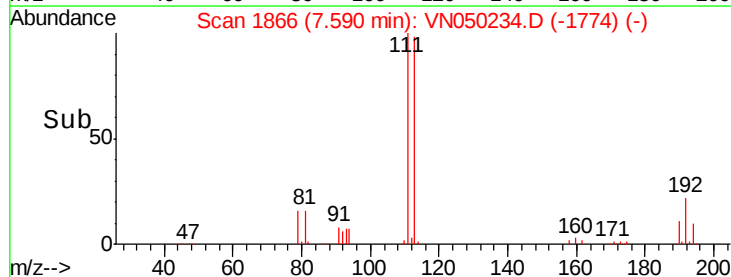
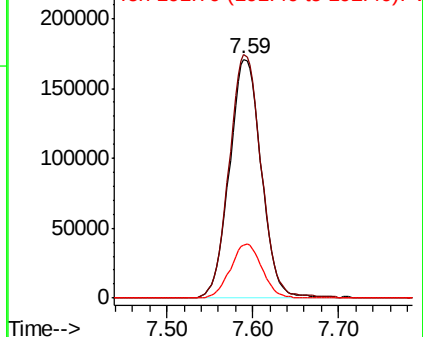
#35
 Dibromofluoromethane
 Concen: 47.24 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050234.D
 Acq: 1 Aug 2018 8:51

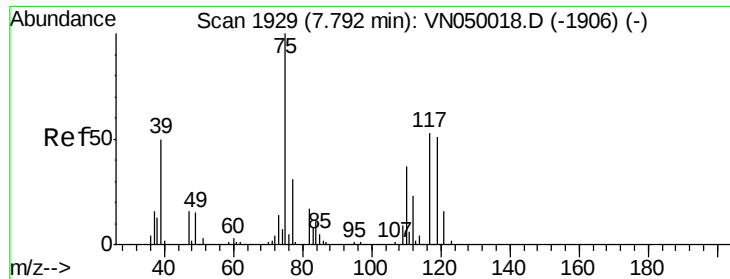
Tgt Ion:113 Resp: 440093

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.7	121.1
192	22.4	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

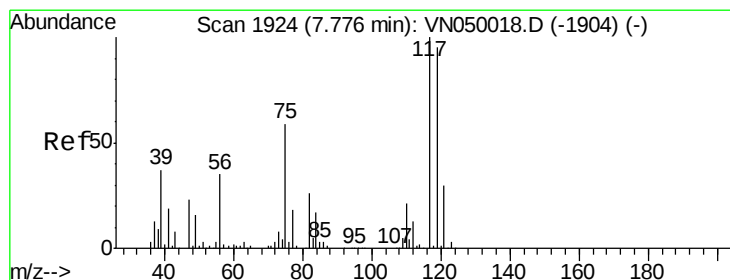
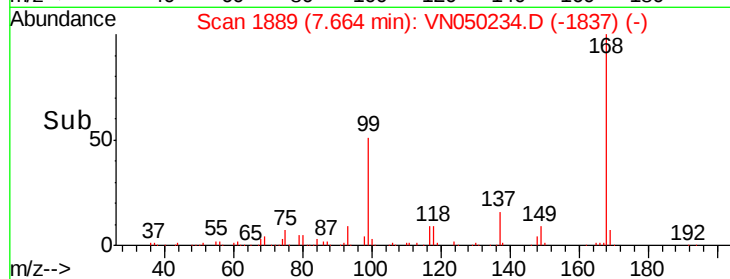
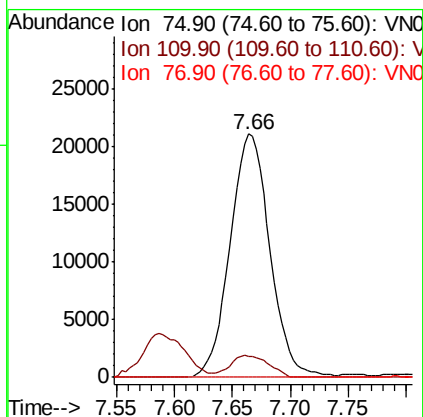
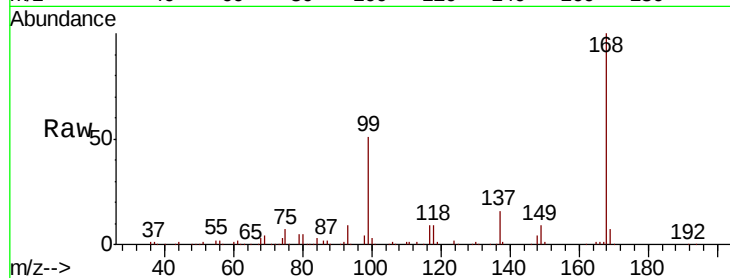




#36
 1,1-Dichloropropene
 Concen: 3.91 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN050234.D
 Acq: 1 Aug 2018 8:51

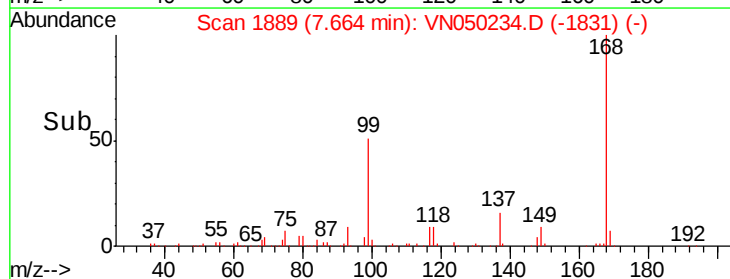
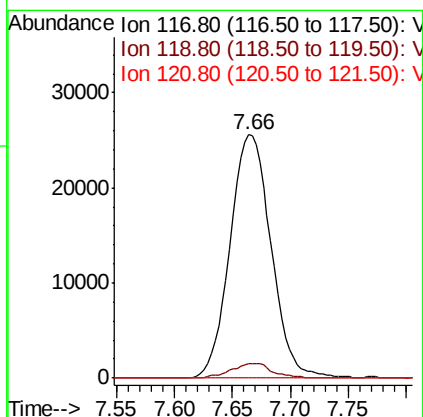
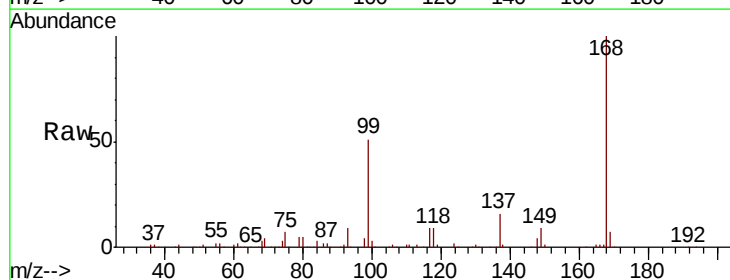
Instrument :
 MSVOA_N
 ClientSampleId :

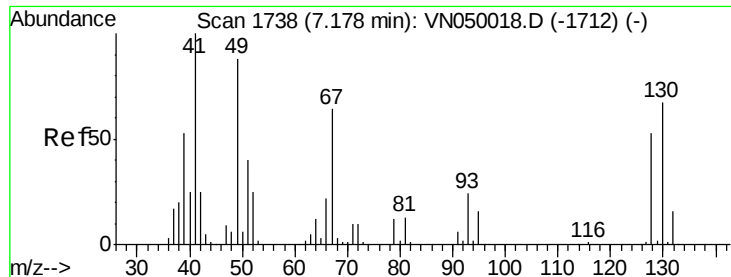
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.61 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.11 min
 Lab File: VN050234.D
 Acq: 1 Aug 2018 8:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	77.4	116.0#
121	0.0	23.9	35.9#

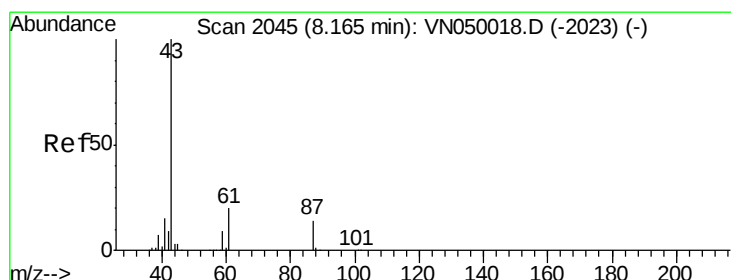
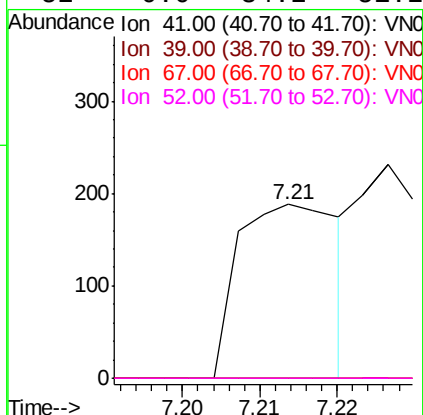
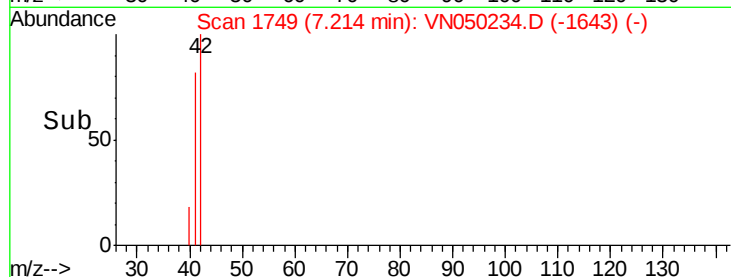
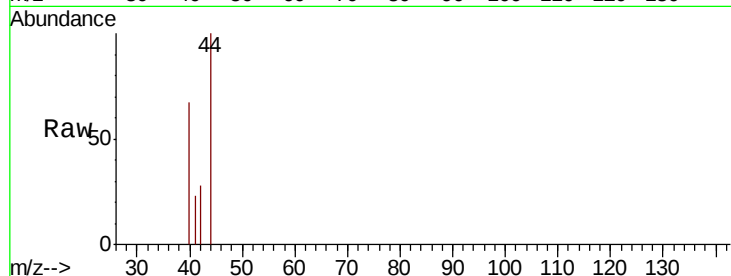




#41
Methacrylonitrile
Concen: 2.78 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.04 min
Lab File: VN050234.D
Acq: 1 Aug 2018 8:51

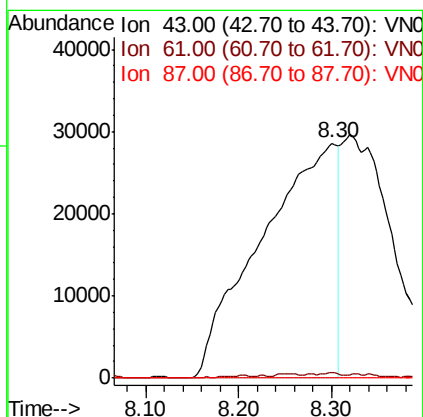
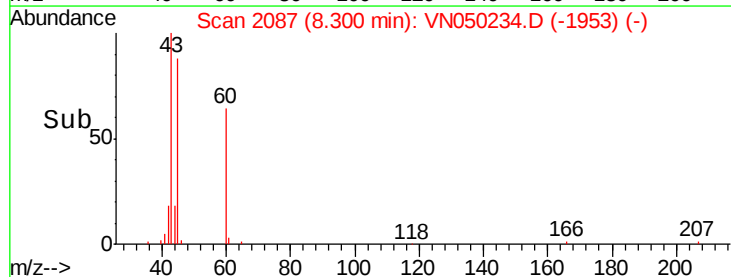
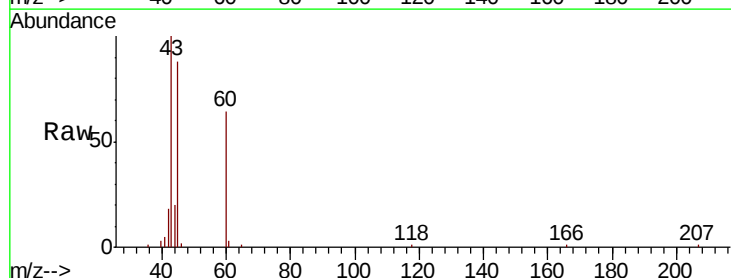
Instrument :
MSVOA_N
ClientSampled :

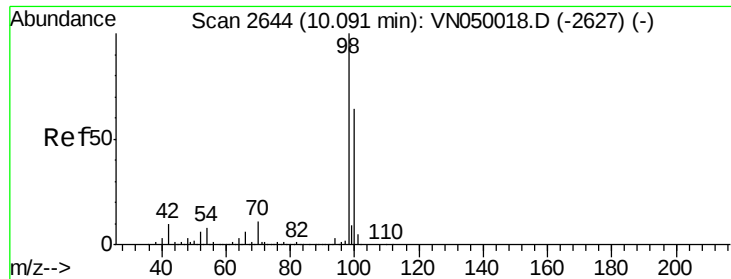
Tot Ion: 41 Resp: 170
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 8.64 ug/l
RT: 8.30 min Scan# 2087
Delta R.T. 0.13 min
Lab File: VN050234.D
Acq: 1 Aug 2018 8:51

Tgt Ion: 43 Resp: 161884
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.0 10.3 15.5#

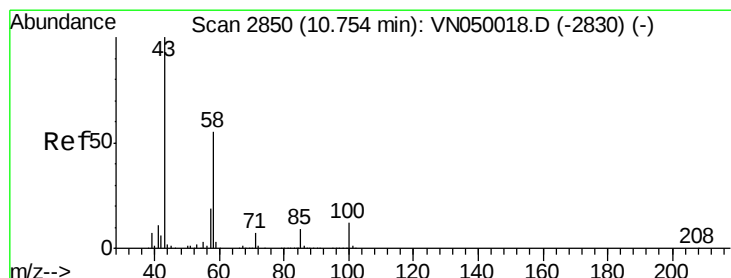
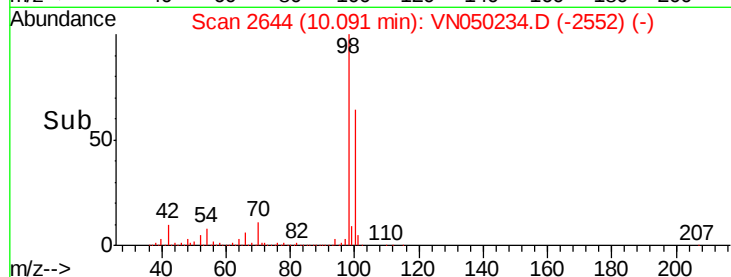
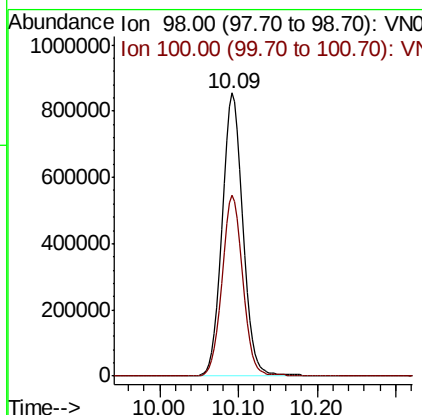
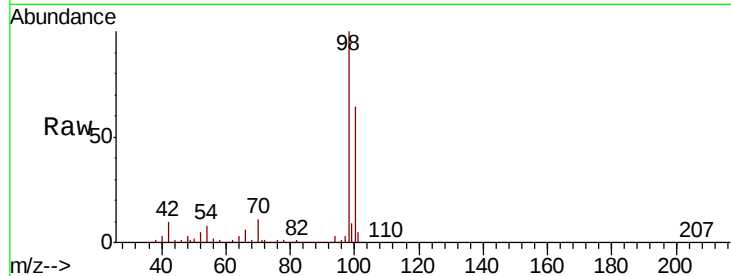




#50
Toluene-d8
Concen: 45.48 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050234.D
Acq: 1 Aug 2018 8:51

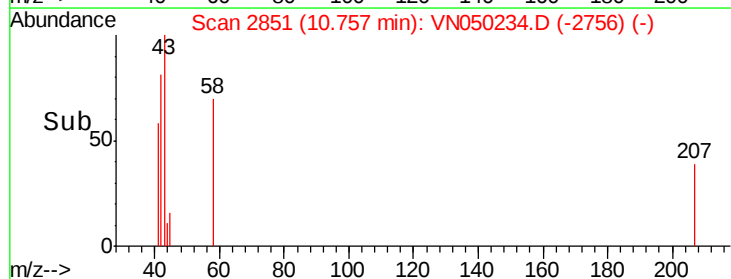
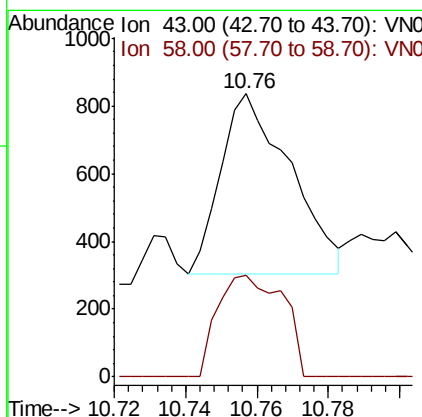
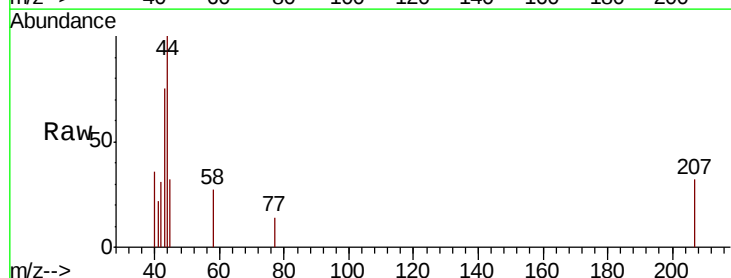
Instrument :
MSVOA_N
ClientSampleId :

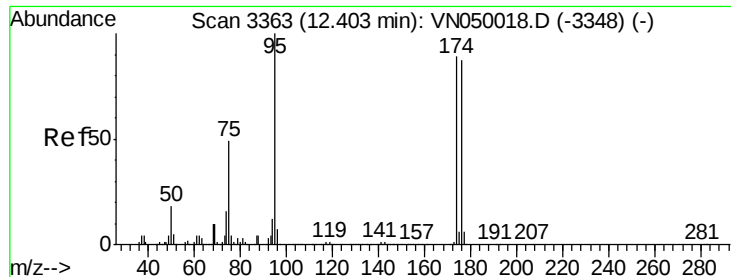
Tot Ion: 98 Resp: 1557719
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



#59
2-Hexanone
Concen: 5.28 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050234.D
Acq: 1 Aug 2018 8:51

Tgt Ion: 43 Resp: 718
Ion Ratio Lower Upper
43 100
58 52.8 27.6 82.7

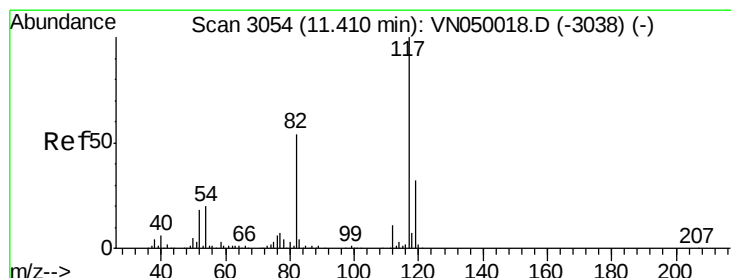
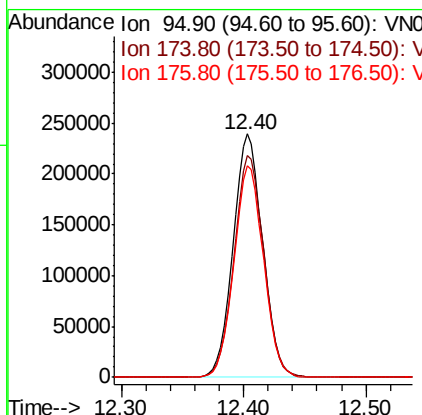
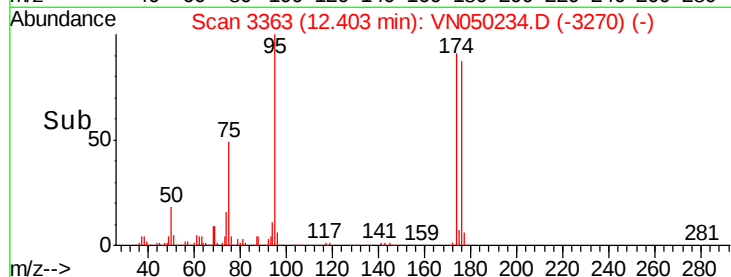
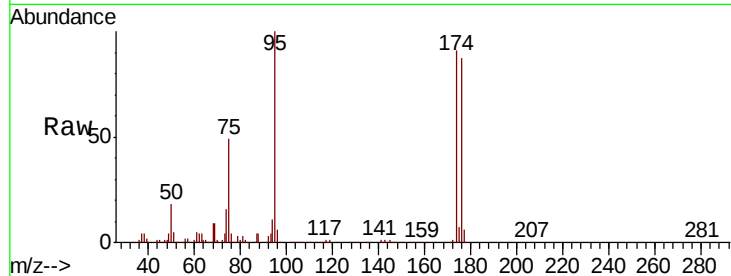




#62
4-Bromofluorobenzene
Concen: 35.53 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050234.D
Acq: 1 Aug 2018 8:51

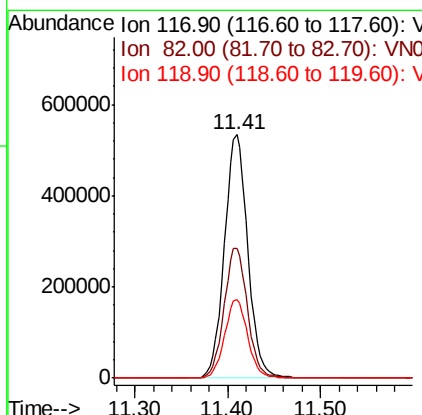
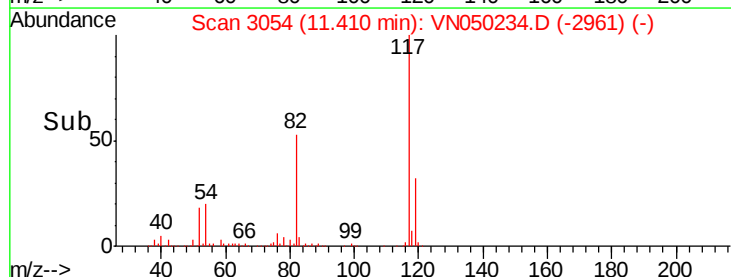
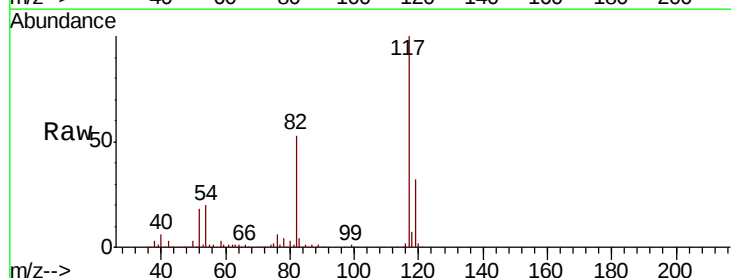
Instrument :
MSVOA_N
ClientSampleId :

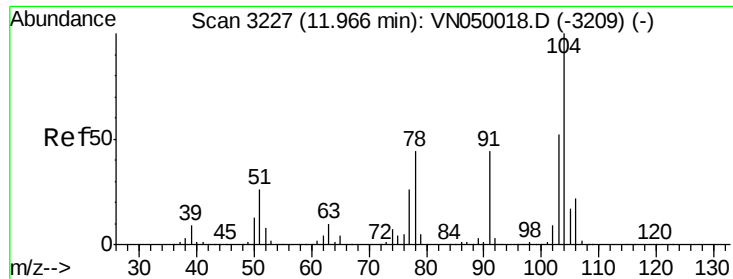
Tot Ion: 95 Resp: 400726
Ion Ratio Lower Upper
95 100
174 92.1 0.0 178.2
176 87.3 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050234.D
Acq: 1 Aug 2018 8:51

Tgt Ion: 117 Resp: 928191
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 32.4 26.1 39.1

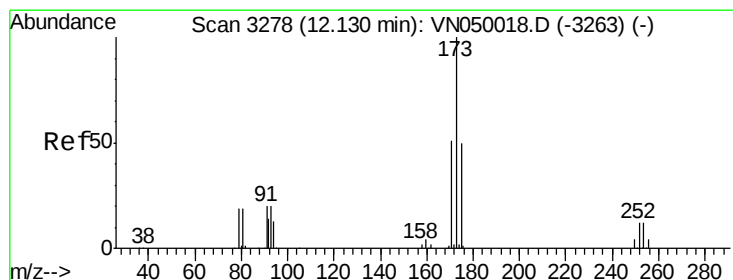
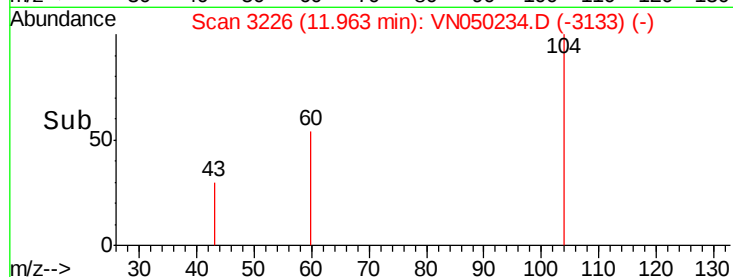
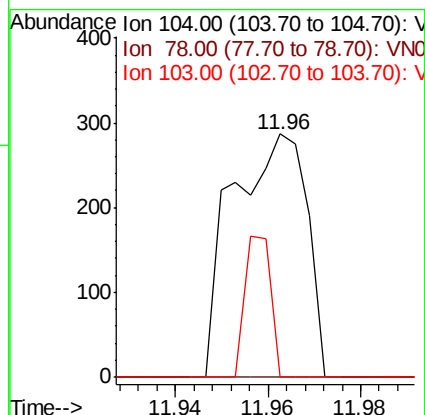
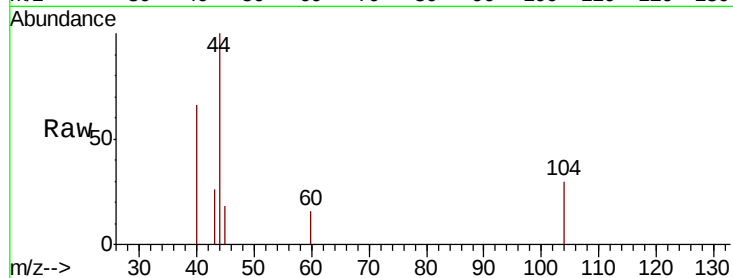




#70
Stvrene
Concen: 0.94 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050234.D
Acq: 1 Aug 2018 8:51

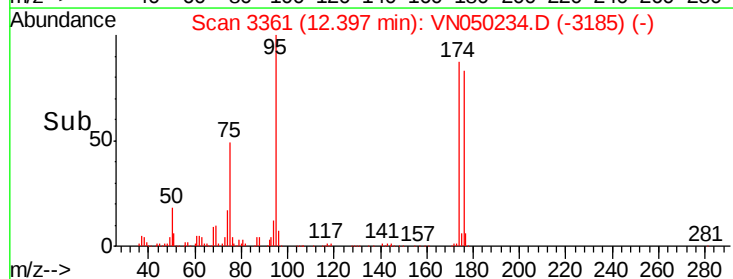
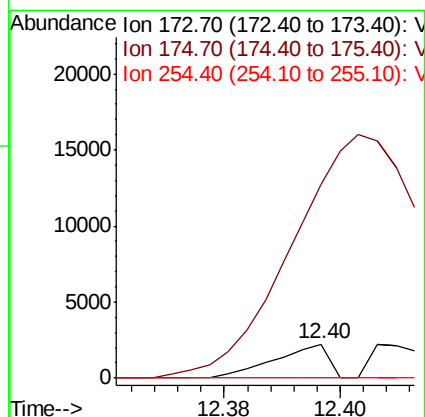
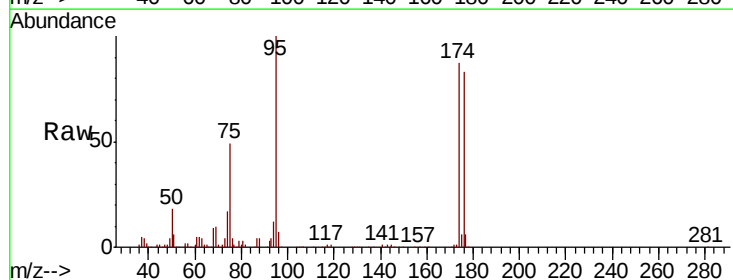
Instrument :
MSVOA_N
ClientSampleId :

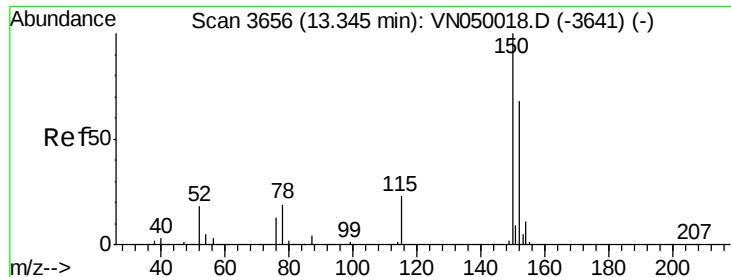
Tot Ion:104 Resp: 321
Ion Ratio Lower Upper
104 100
78 0.0 39.3 58.9#
103 19.9 45.0 67.6#



#71
Bromoform
Concen: 0.22 ug/l
RT: 12.40 min Scan# 3361
Delta R.T. 0.27 min
Lab File: VN050234.D
Acq: 1 Aug 2018 8:51

Tgt Ion:173 Resp: 1421
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050234.D

Acq: 1 Aug 2018 8:51

Instrument :

MSVOA_N

ClientSampleId :

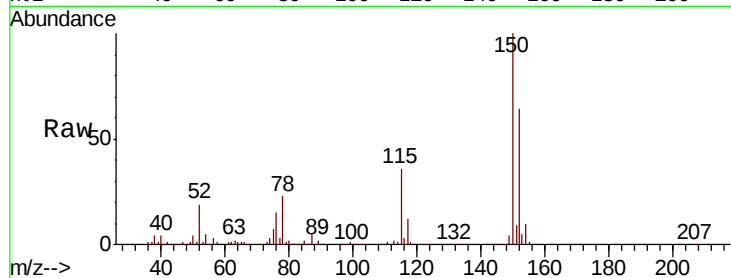
Tot Ion:152 Resp: 319753

Ion Ratio Lower Upper

152 100

115 56.7 27.8 83.3

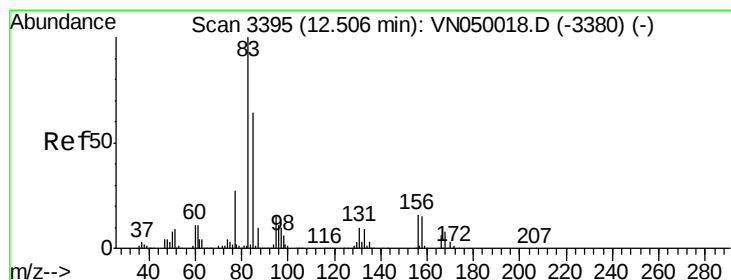
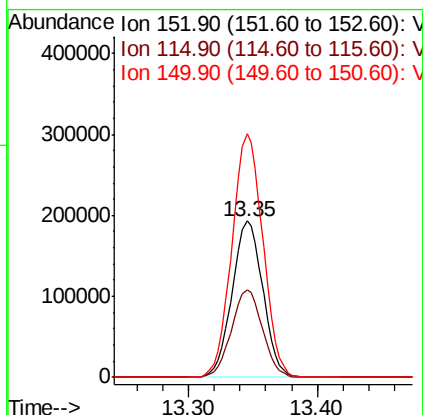
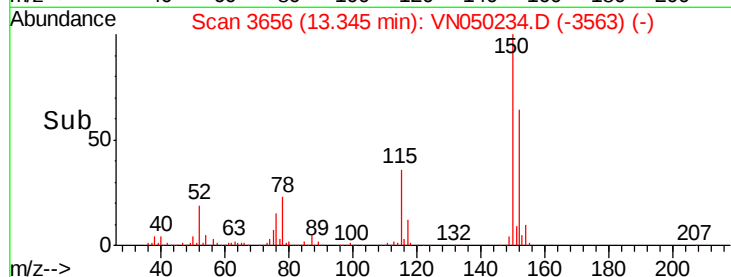
150 156.4 0.0 348.6



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: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050234.D

Acq: 1 Aug 2018 8:51

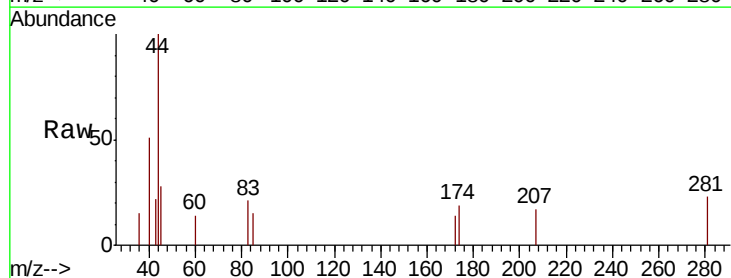
Tgt Ion: 83 Resp: 121

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

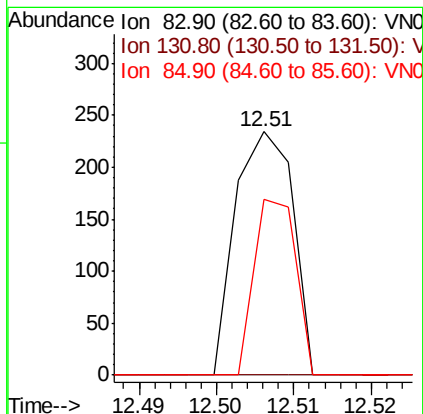
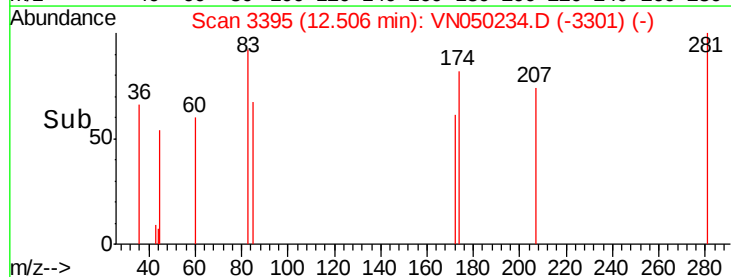
85 52.9 32.3 96.8

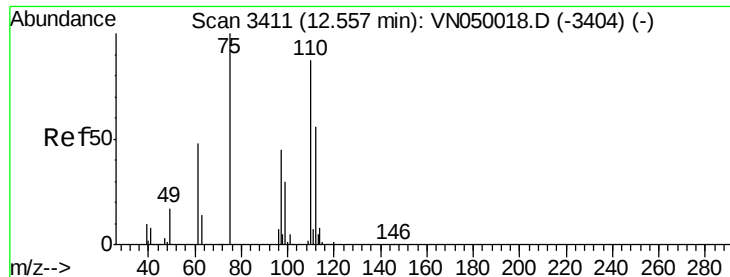


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 33.08 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050234.D

Acq: 1 Aug 2018 8:51

Instrument :

MSVOA_N

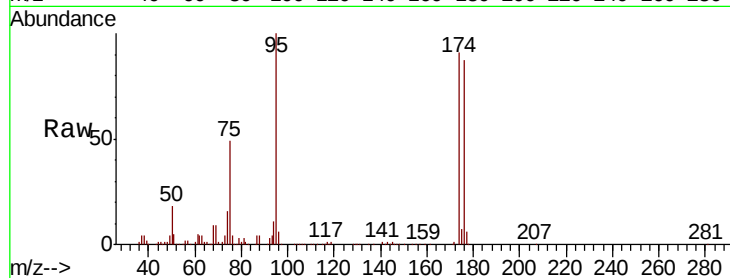
ClientSampled :

Tot Ion: 75 Resp: 196567

Ion Ratio Lower Upper

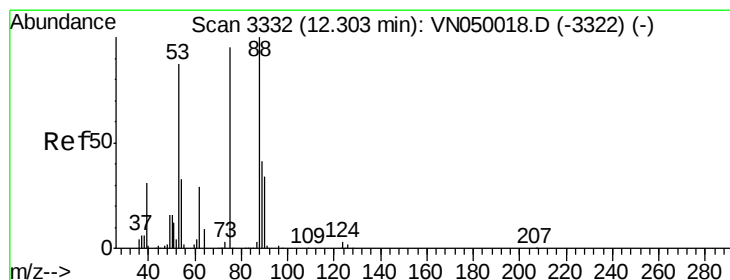
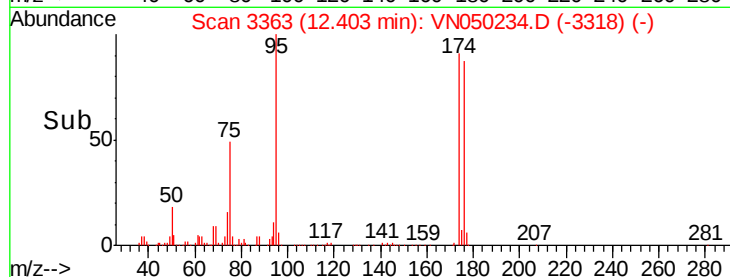
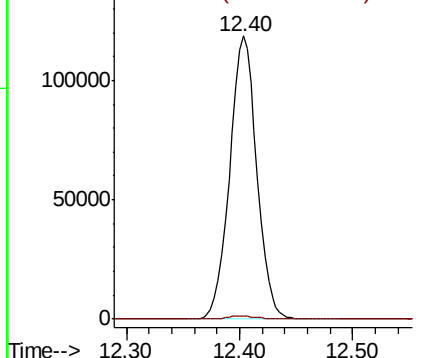
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 104.92 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050234.D

Acq: 1 Aug 2018 8:51

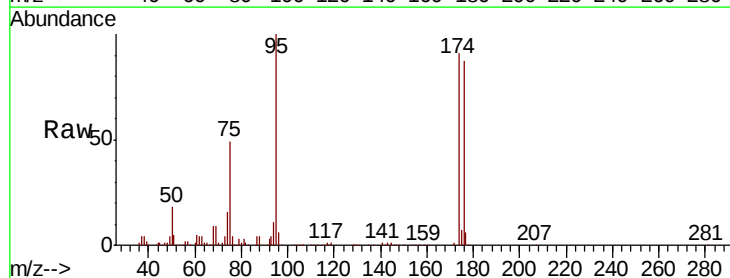
Tgt Ion: 75 Resp: 196567

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

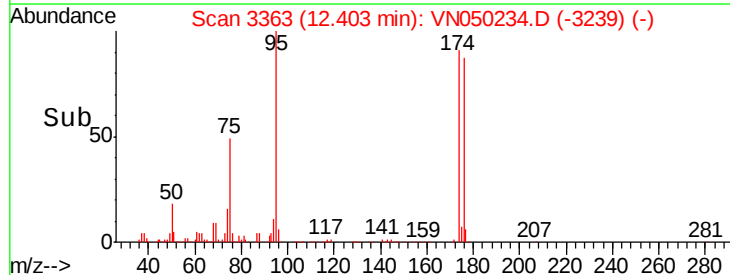
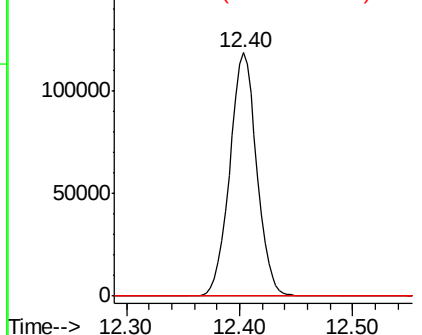
89 0.0 36.0 54.0#

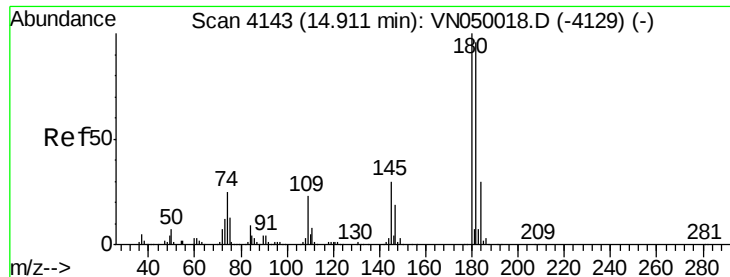


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

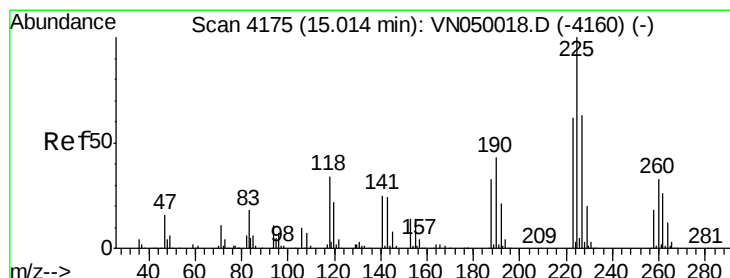
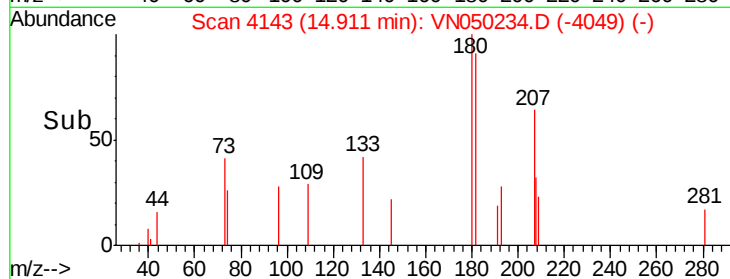
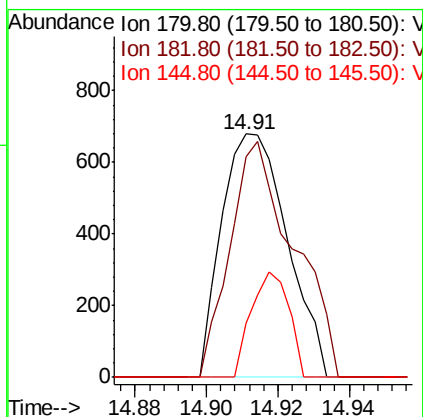
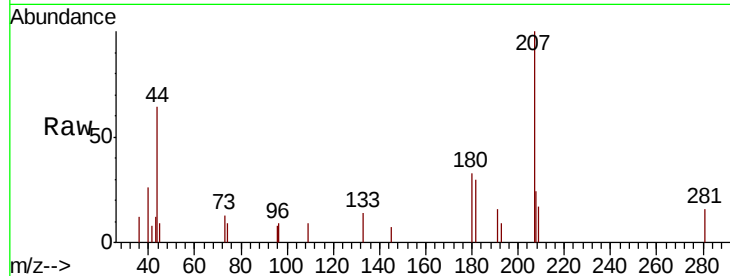




#93
 1,2,4-Trichlorobenzene
 Concen: 3.22 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050234.D
 Acq: 1 Aug 2018 8:51

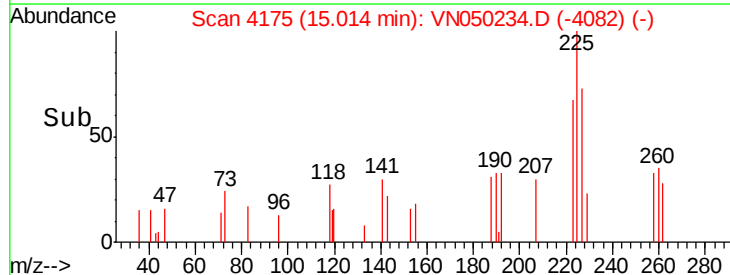
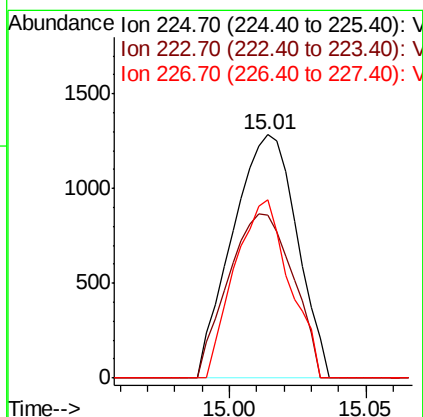
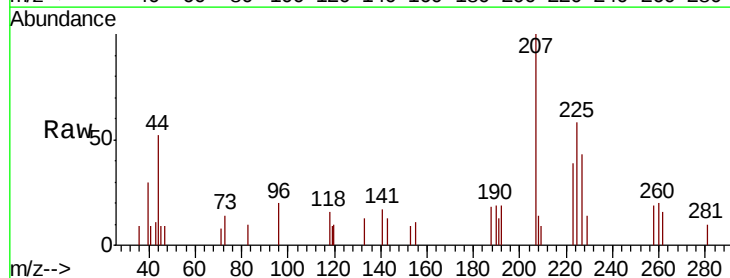
Instrument :
 MSVOA_N
 ClientSampled :

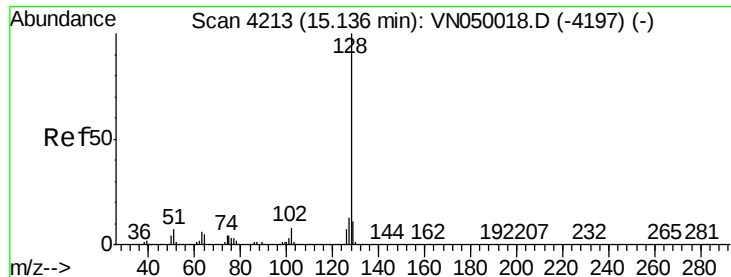
Tot Ion:180 Resp: 863
 Ion Ratio Lower Upper
 180 100
 182 94.3 46.7 140.1
 145 24.8 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 0.59 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050234.D
 Acq: 1 Aug 2018 8:51

Tgt Ion:225 Resp: 2104
 Ion Ratio Lower Upper
 225 100
 223 67.9 31.4 94.2
 227 62.5 32.1 96.5

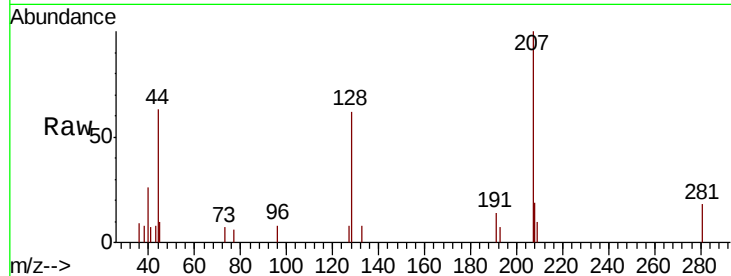




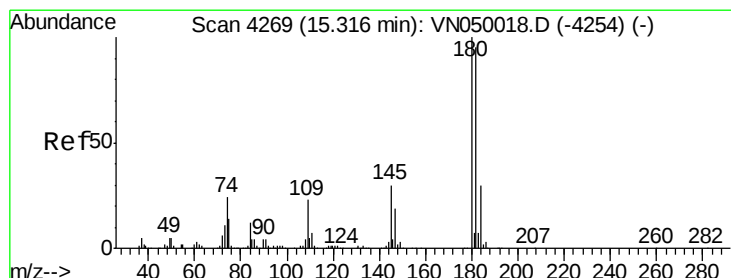
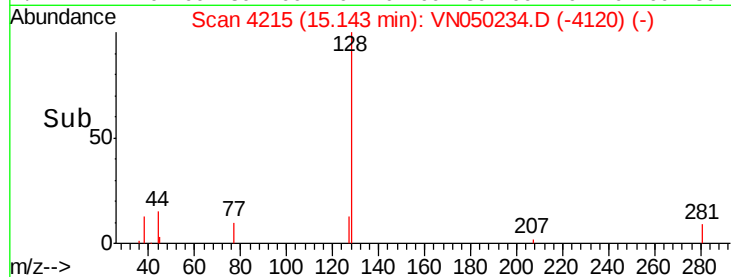
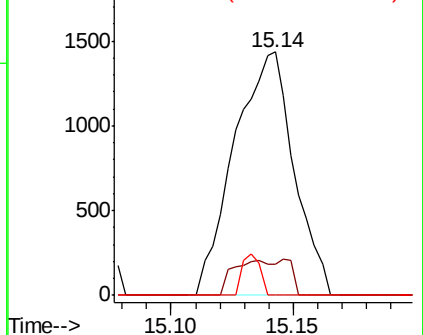
#95
Naphthalene
Concen: 4.57 ug/l
RT: 15.14 min Scan# 4215
Delta R.T. 0.01 min
Lab File: VN050234.D
Acq: 1 Aug 2018 8:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 2428
Ion Ratio Lower Upper
128 100
127 8.7 10.4 15.6#
129 5.1 8.8 13.2#

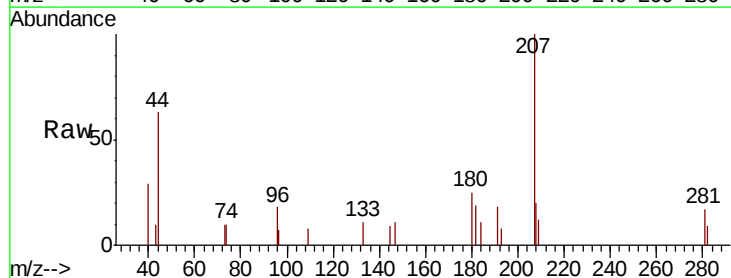


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 2.37 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050234.D
Acq: 1 Aug 2018 8:51

Tgt Ion:180 Resp: 1063
Ion Ratio Lower Upper
180 100
182 75.4 48.1 144.4
145 6.8 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

