

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051234.D
 Acq On : 15 Sep 2018 20:00
 Operator : MD\SY
 Sample : PB112879ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

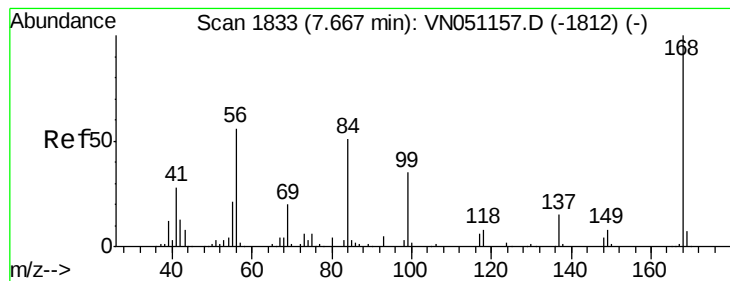
Quant Time: Sep 17 02:18:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	406029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	647799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	522661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	152364	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	222474	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
35) Dibromofluoromethane	7.59	113	239576	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	10.09	98	818102	44.29	ug/l	0.00
Spiked Amount			Recovery	=	88.58%	
62) 4-Bromofluorobenzene	12.40	95	208811	34.18	ug/l	0.00
Spiked Amount			Recovery	=	68.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2153	Below Cal	#	85
5) Bromomethane	2.57	94	2368	Below Cal		87
10) Methyl Iodide	3.96	142	118	5.66	ug/l #	44
16) Acetone	3.83	43	8536	1.85	ug/l	99
18) Methyl Acetate	4.33	43	13850	3.83	ug/l	93
20) Methylene Chloride	4.56	84	8758	1.75	ug/l	86
25) 2-Butanone	6.84	43	5167	2.91	ug/l #	86
29) Tetrahydrofuran	7.22	42	461	0.42	ug/l #	52
31) Cyclohexane	7.67	56	6592	0.66	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	27155	3.82	ug/l #	47
37) Ethyl Acetate	6.84	43	5167	1.25	ug/l #	66
38) Carbon Tetrachloride	7.67	117	35589	5.08	ug/l #	17
43) Isopropyl Acetate	8.17	43	271196	37.31	ug/l #	77
48) Methyl methacrylate	9.18	41	5414	1.53	ug/l #	16
51) 4-Methyl-2-Pentanone	9.99	43	934	0.23	ug/l #	80
56) Ethyl methacrylate	10.28	69	144	2.48	ug/l #	1
59) 2-Hexanone	10.77	43	11477	4.21	ug/l	64
76) 1,2,3-Trichloropropane	12.40	75	98849	41.60	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	98849	123.21	ug/l #	15
95) Naphthalene	15.14	128	143	5.36	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051234.D

Acq: 15 Sep 2018 20:00

Instrument :

MSVOA_N

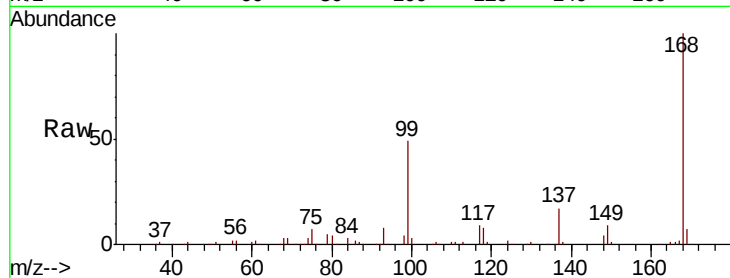
ClientSampleId :

Tot Ion:168 Resp: 406029

Ion Ratio Lower Upper

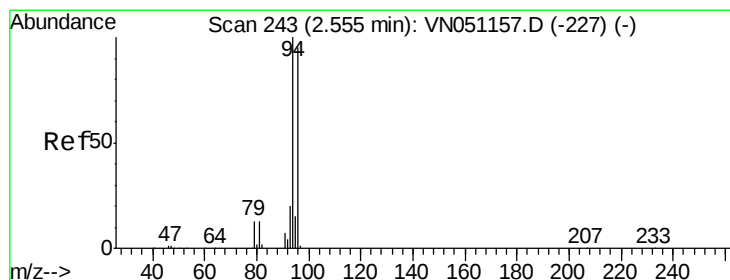
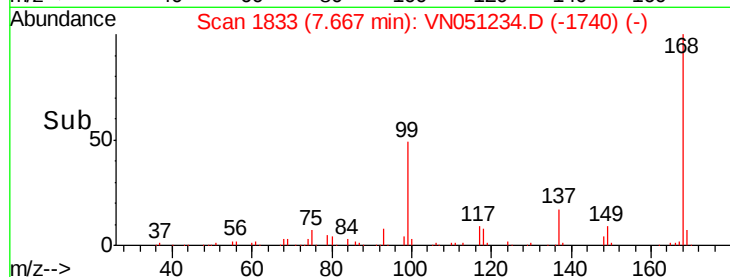
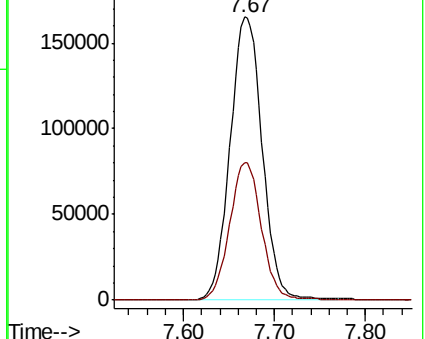
168 100

99 48.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051234.D

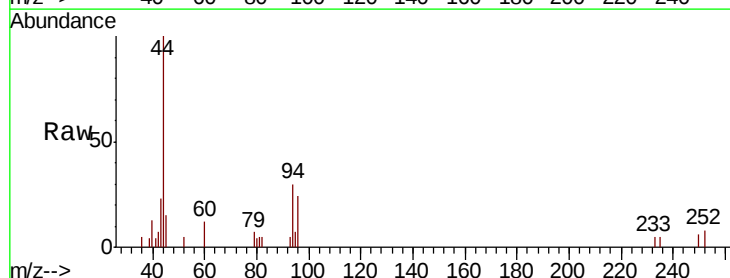
Acq: 15 Sep 2018 20:00

Tgt Ion: 94 Resp: 2368

Ion Ratio Lower Upper

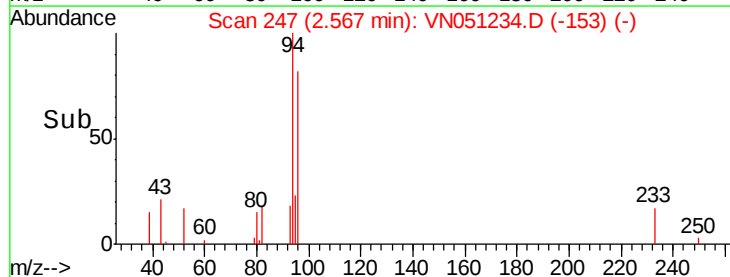
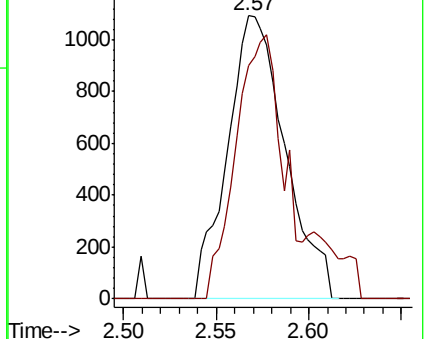
94 100

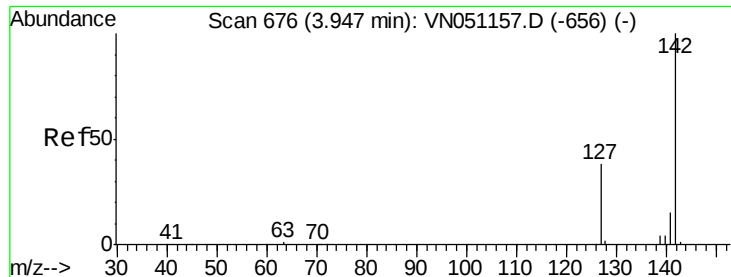
96 82.3 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

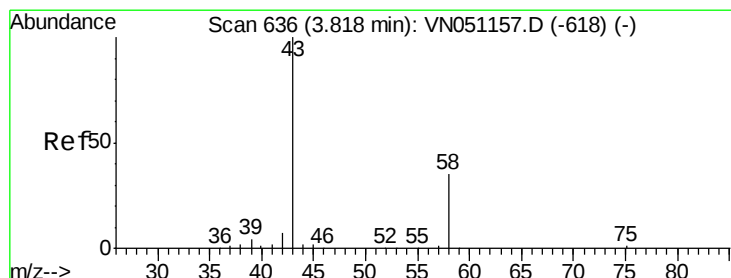
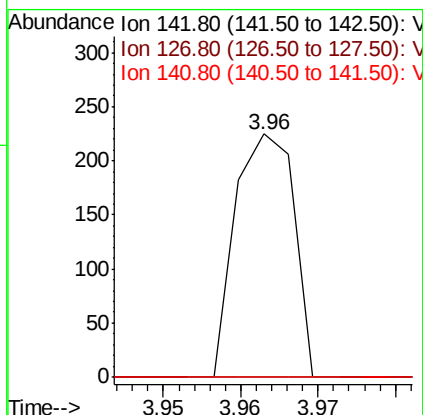
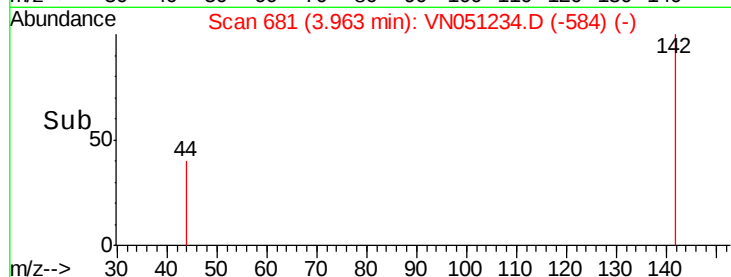
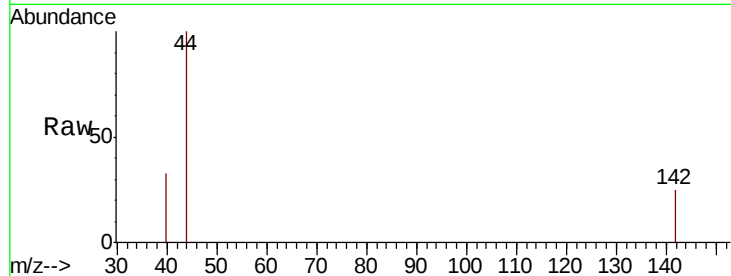




#10
Methvl Iodide
Concen: 5.66 ug/l
RT: 3.96 min Scan# 681
Delta R.T. 0.01 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

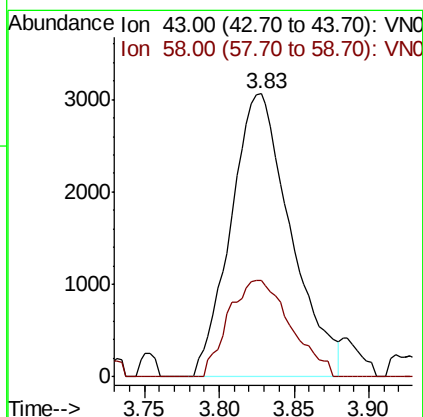
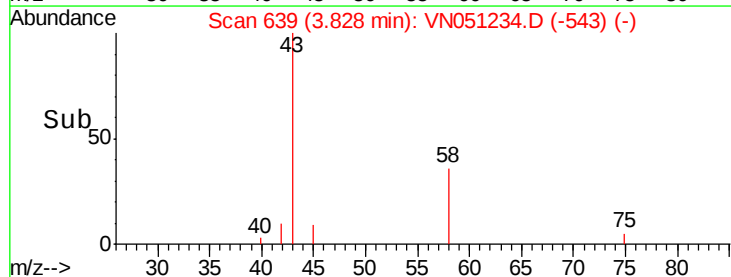
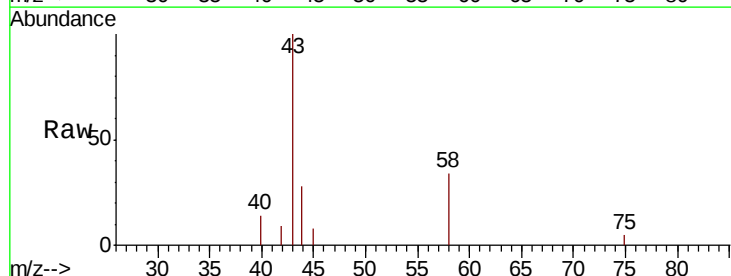
Instrument :
MSVOA_N
ClientSampleId :

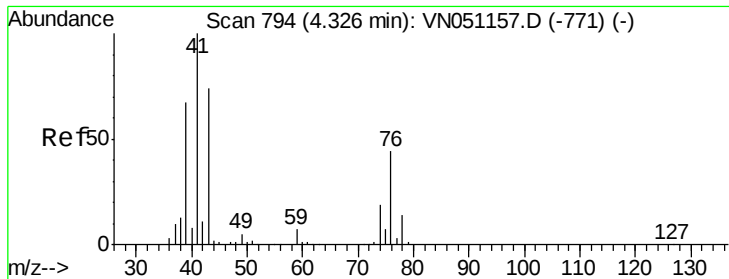
Tot Ion:142 Resp: 118
Ion Ratio Lower Upper
142 100
127 0.0 31.0 46.4#
141 0.0 11.3 16.9#



#16
Acetone
Concen: 1.85 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Tgt Ion: 43 Resp: 8536
Ion Ratio Lower Upper
43 100
58 34.1 27.8 41.6

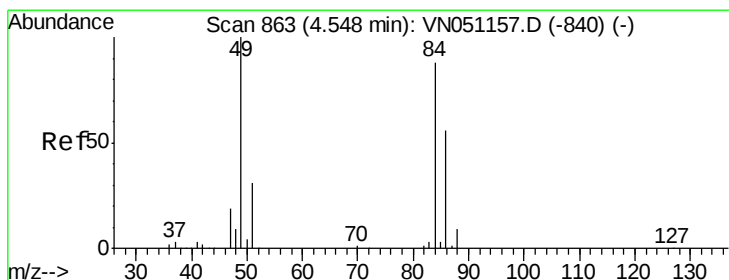
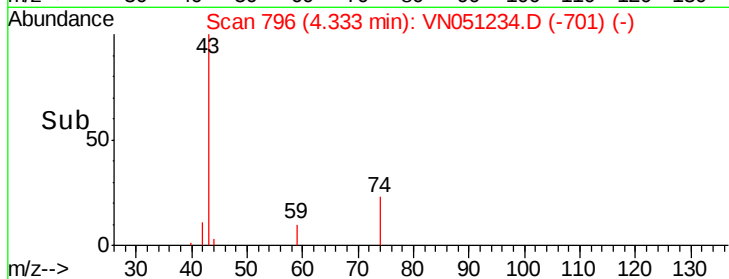
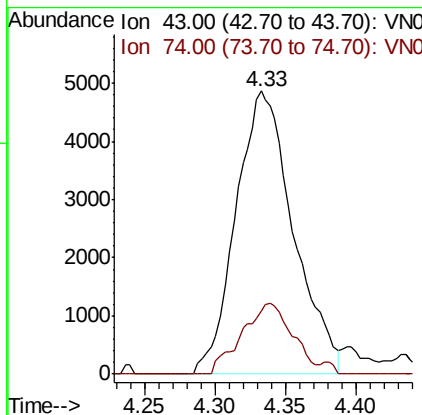
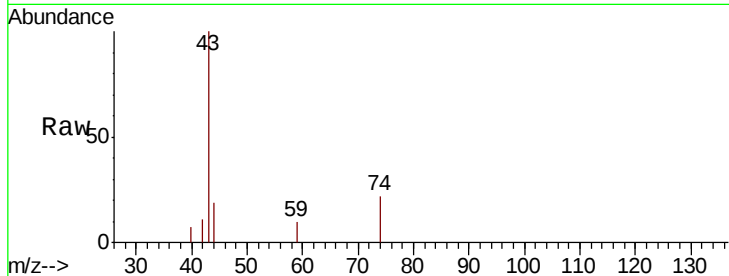




#18
Methvl Acetate
Concen: 3.83 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

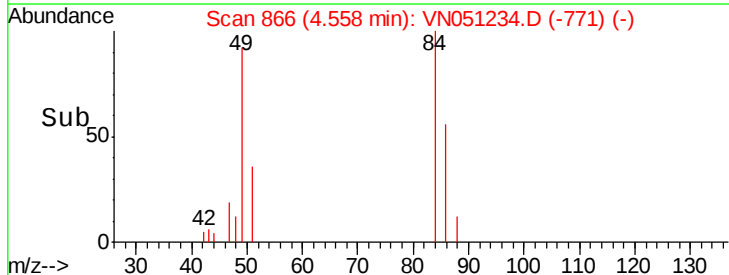
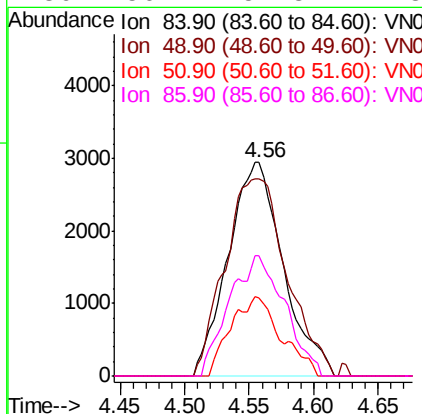
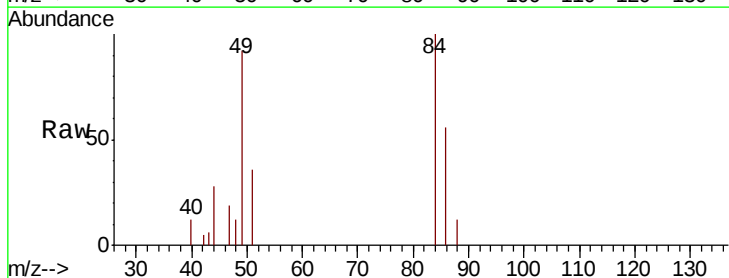
Instrument :
MSVOA_N
ClientSampled :

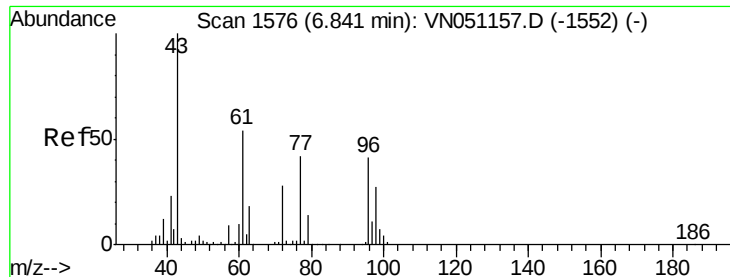
Tot Ion: 43 Resp: 13850
Ion Ratio Lower Upper
43 100
74 22.1 20.7 31.1



#20
Methylene Chloride
Concen: 1.75 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Tgt Ion: 84 Resp: 8758
Ion Ratio Lower Upper
84 100
49 92.1 90.2 135.2
51 36.4 28.4 42.6
86 56.1 51.8 77.8

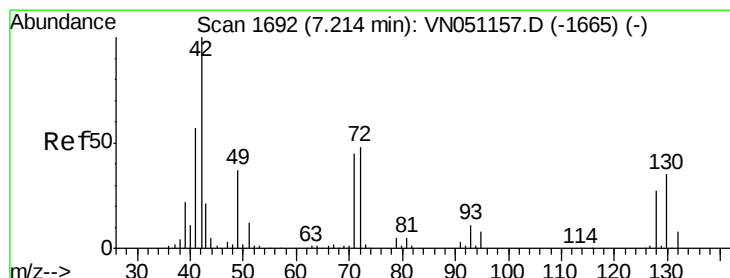
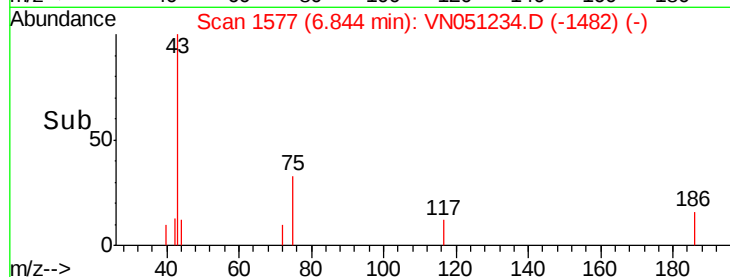
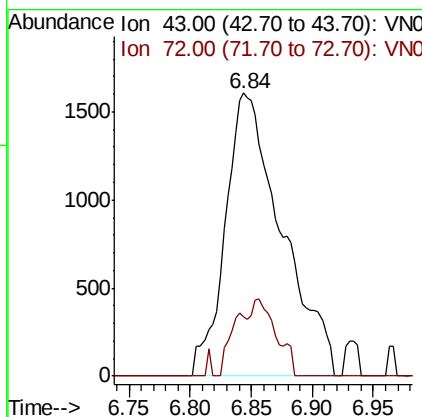
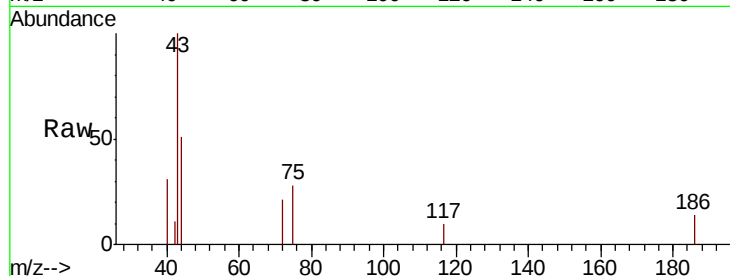




#25
2-Butanone
Concen: 2.91 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

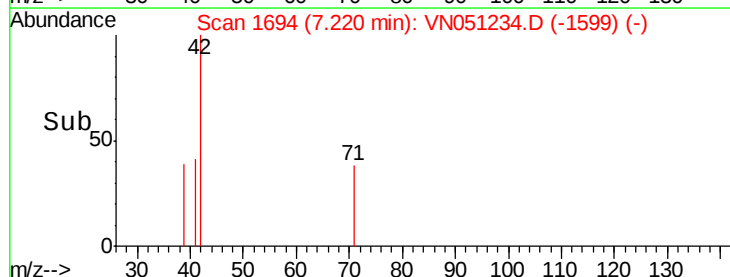
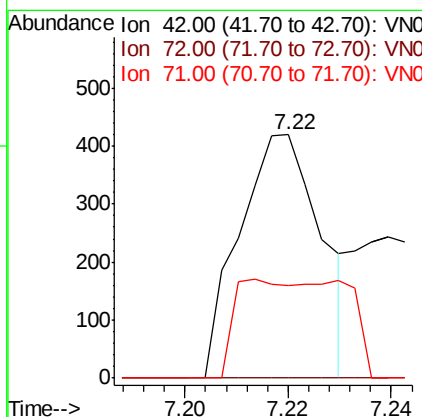
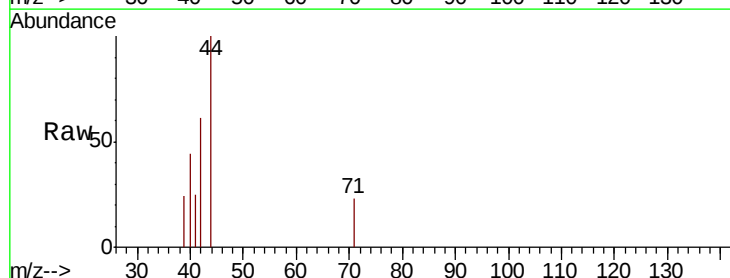
Instrument :
MSVOA_N
ClientSampled :

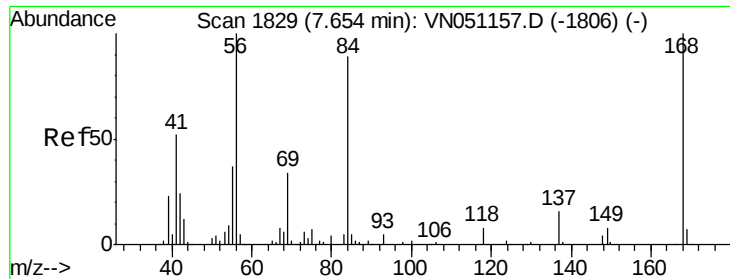
Tot Ion: 43 Resp: 5167
Ion Ratio Lower Upper
43 100
72 21.1 23.0 34.6#



#29
Tetrahydrofuran
Concen: 0.42 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Tgt Ion: 42 Resp: 461
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.0#
71 27.5 34.7 52.1#

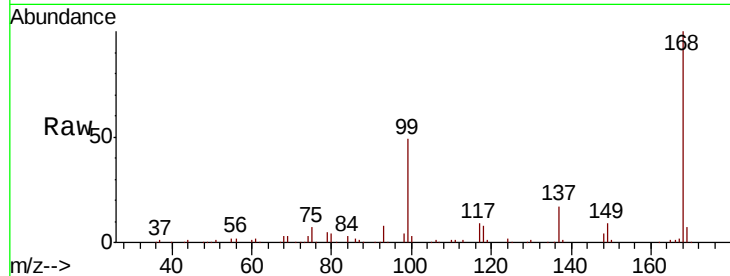




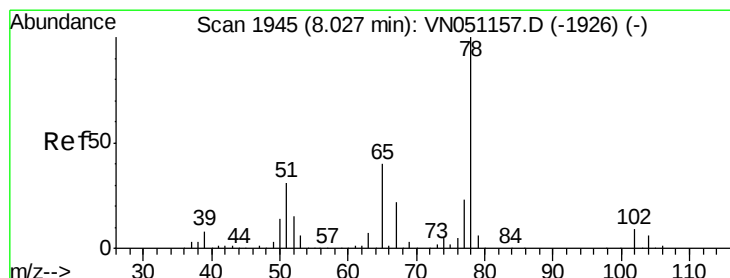
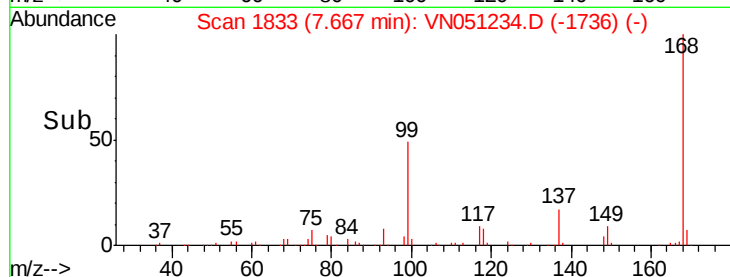
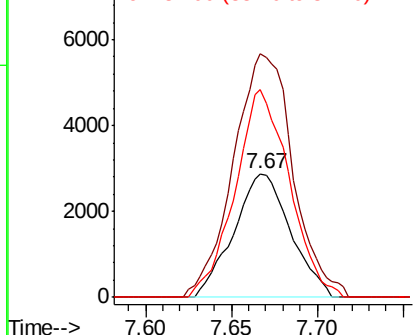
#31
Cyclohexane
Concen: 0.66 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 6592
Ion Ratio Lower Upper
56 100
69 191.2 26.3 39.5#
84 168.8 69.4 104.0#

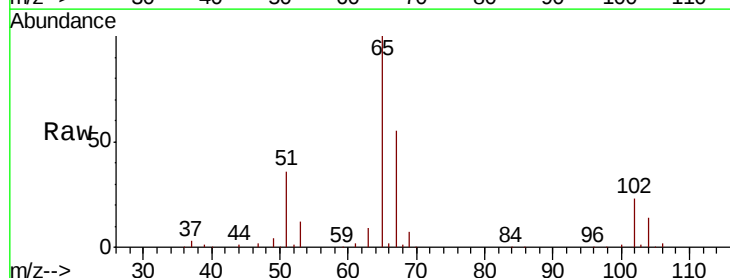


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

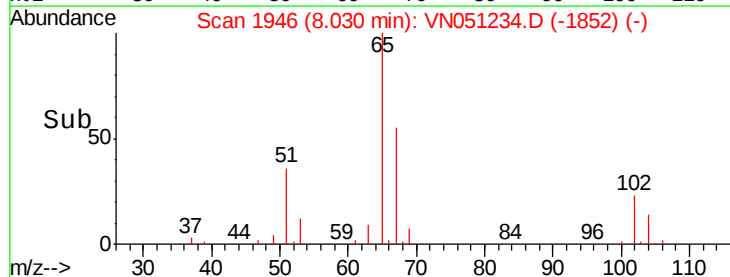
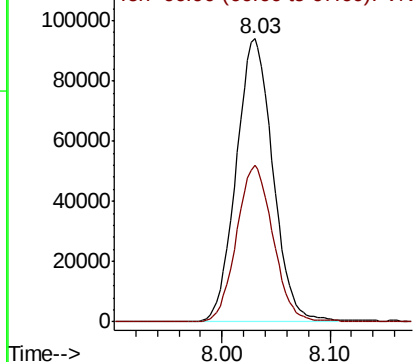


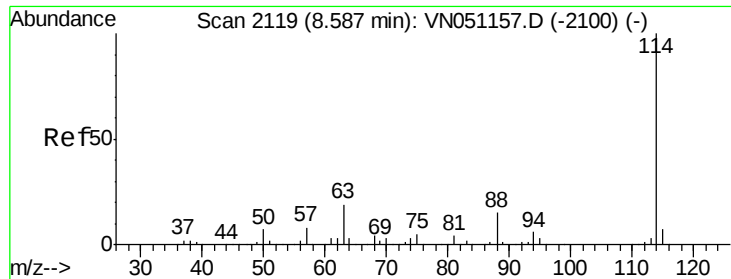
#33
1,2-Dichloroethane-d4
Concen: 49.24 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Tgt Ion: 65 Resp: 222474
Ion Ratio Lower Upper
65 100
67 55.1 0.0 112.0



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

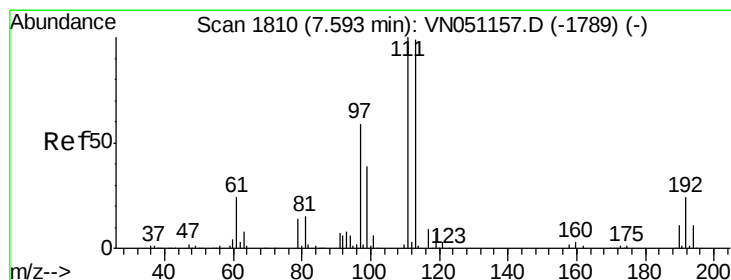
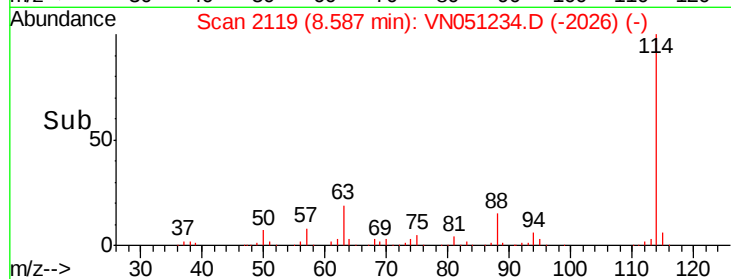
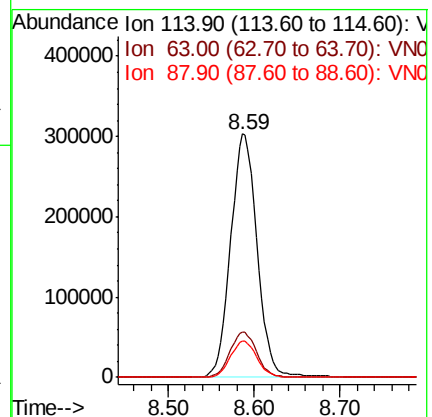
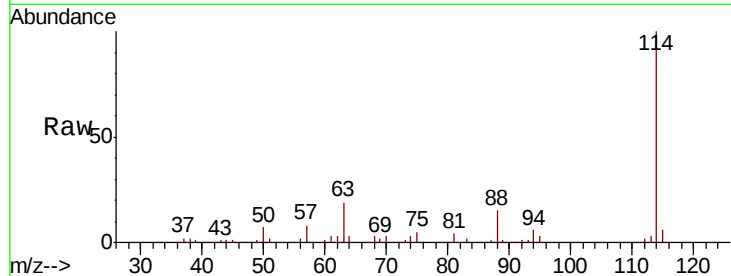




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

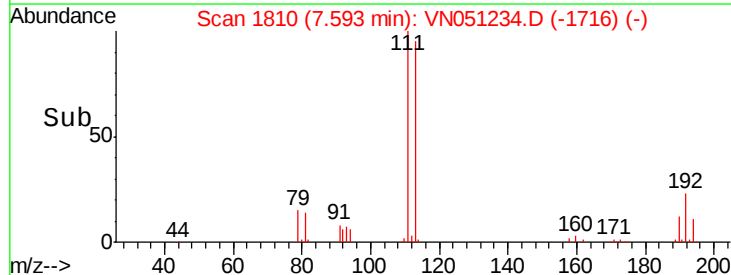
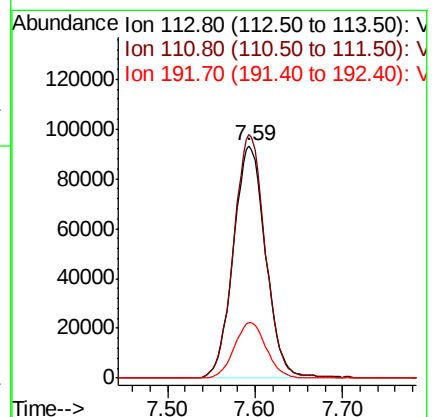
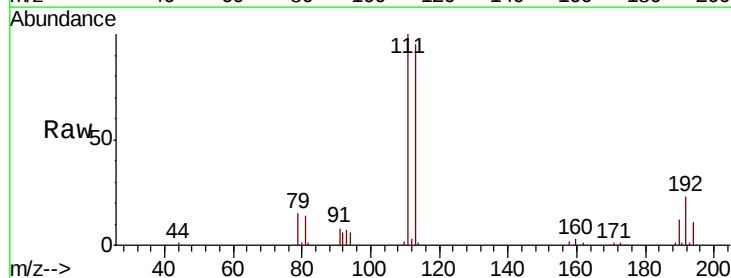
Instrument :
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ClientSampleId :

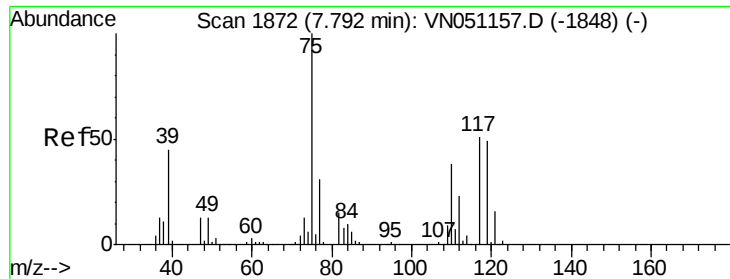
Tot Ion:114 Resp: 647799
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.8
88 15.0 0.0 30.8



#35
Dibromofluoromethane
Concen: 49.22 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Tgt Ion:113 Resp: 239576
Ion Ratio Lower Upper
113 100
111 102.9 83.0 124.6
192 23.6 18.7 28.1





#36

1,1-Dichloropropene

Concen: 3.82 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN051234.D

Acq: 15 Sep 2018 20:00

Instrument :

MSVOA_N

ClientSampled :

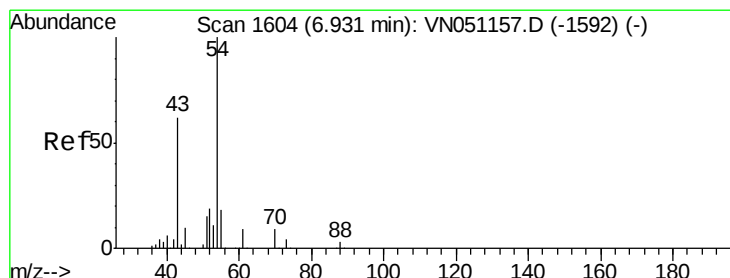
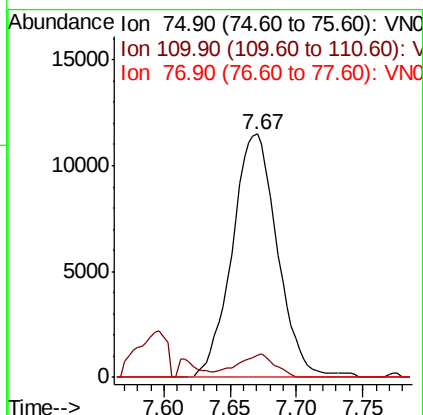
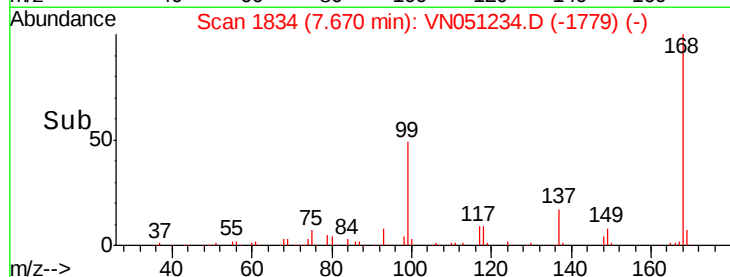
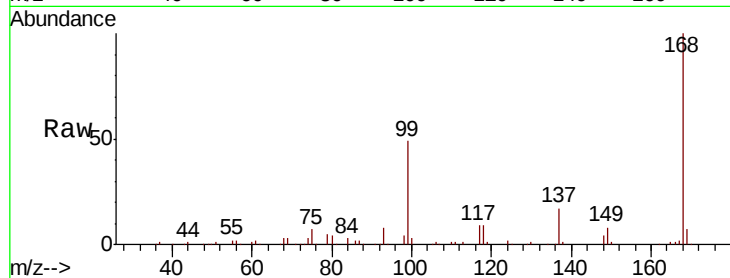
Tot Ion: 75 Resp: 27155

Ion Ratio Lower Upper

75 100

110 7.9 18.6 55.8#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 1.25 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.09 min

Lab File: VN051234.D

Acq: 15 Sep 2018 20:00

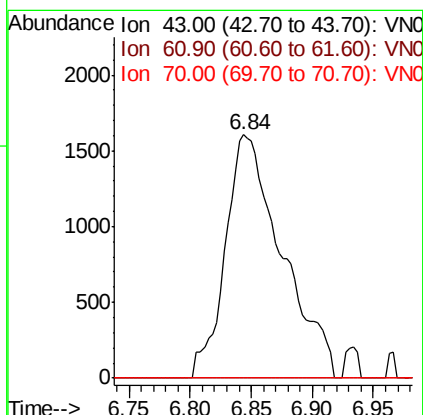
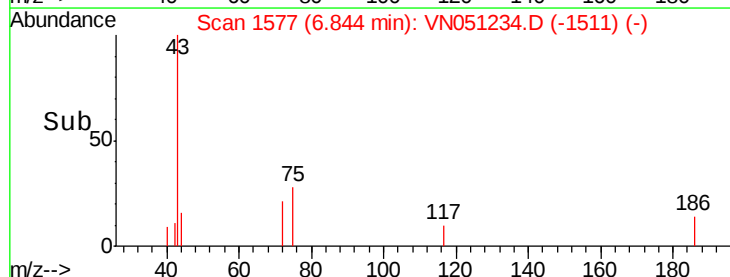
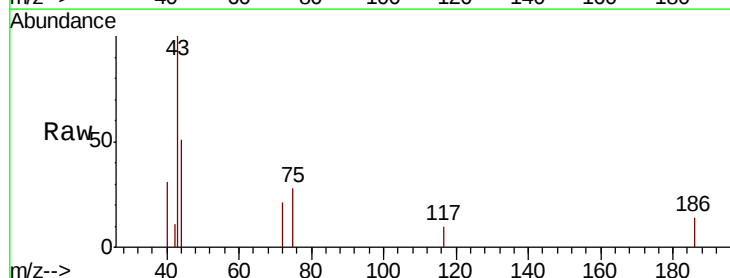
Tgt Ion: 43 Resp: 5167

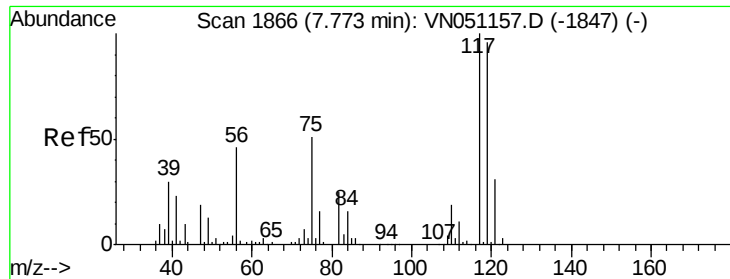
Ion Ratio Lower Upper

43 100

61 0.0 12.4 18.6#

70 0.0 9.3 13.9#

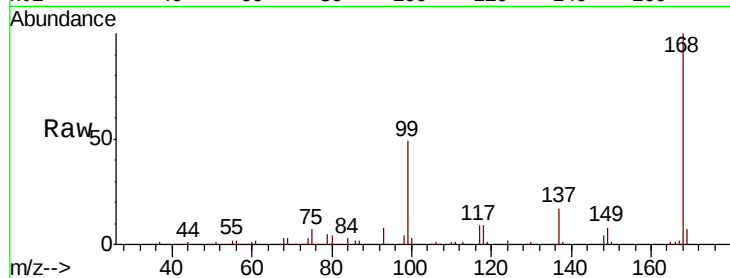




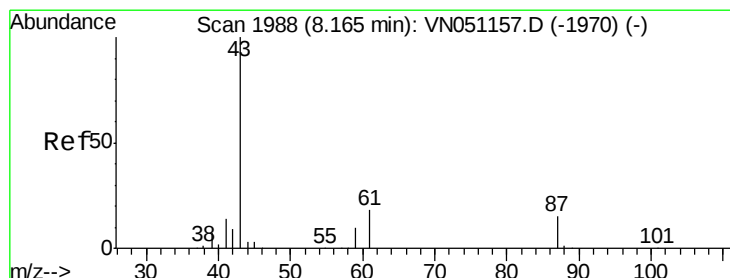
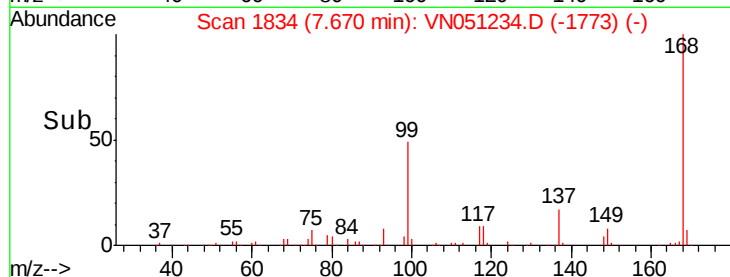
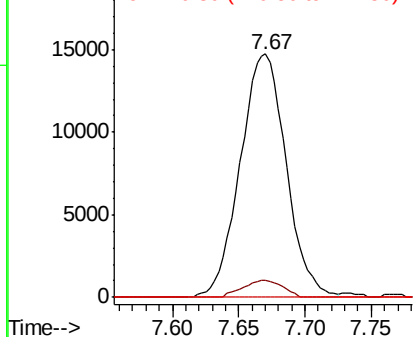
#38
Carbon Tetrachloride
Concen: 5.08 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.10 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 35589
Ion Ratio Lower Upper
117 100
119 6.9 76.8 115.2#
121 0.0 24.6 36.8#

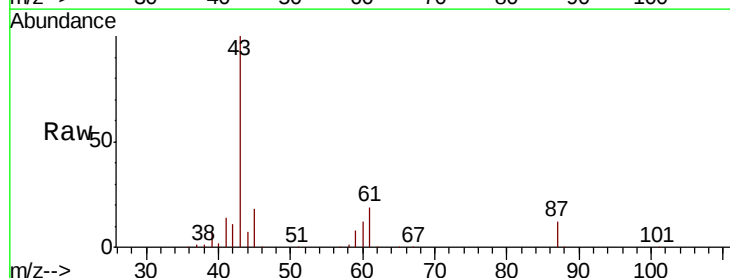


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

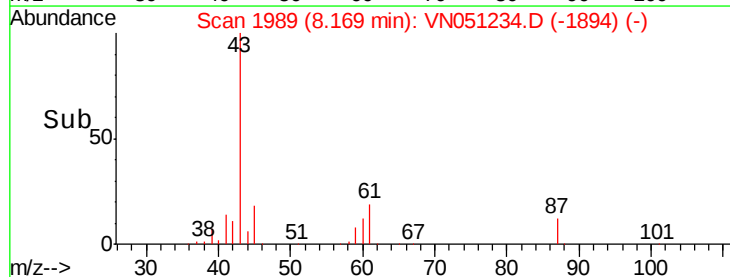
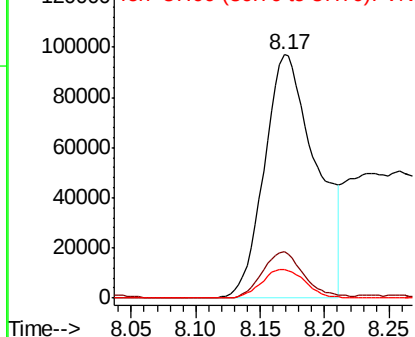


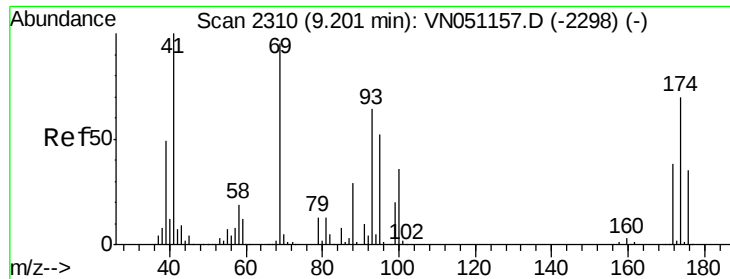
#43
Isopropyl Acetate
Concen: 37.31 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Tgt Ion: 43 Resp: 271196
Ion Ratio Lower Upper
43 100
61 15.3 25.0 37.6#
87 10.0 11.8 17.8#



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

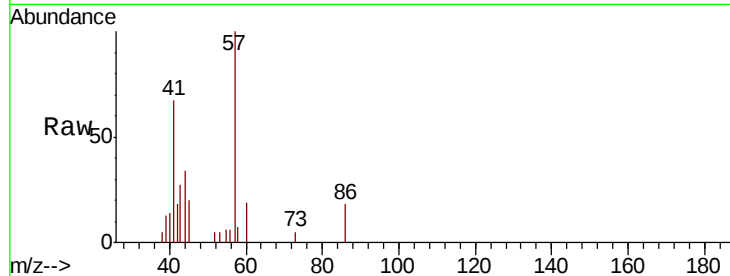




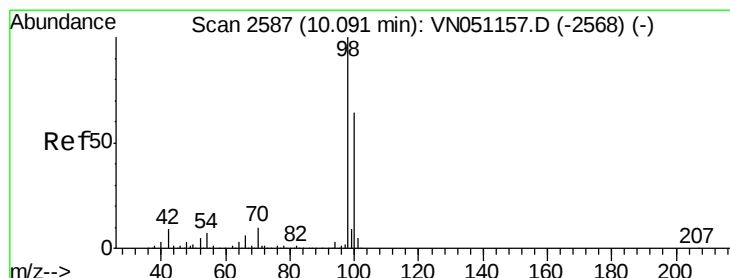
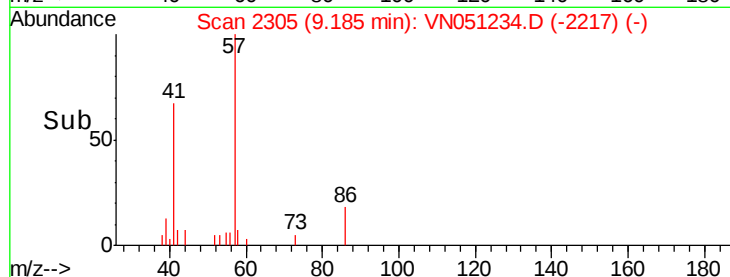
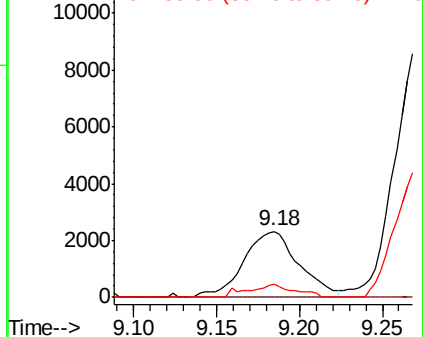
#48
Methvl methacrylate
Concen: 1.53 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 5414
Ion Ratio Lower Upper
41 100
69 0.0 77.7 116.5#
39 12.0 41.6 62.4#

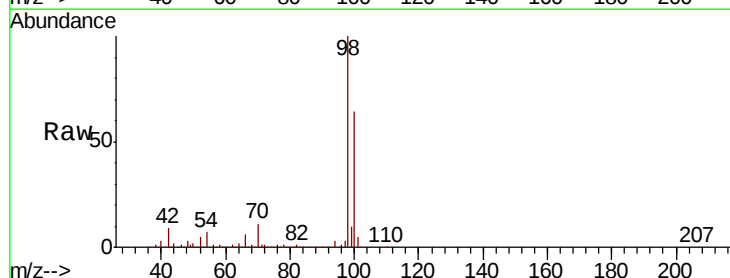


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

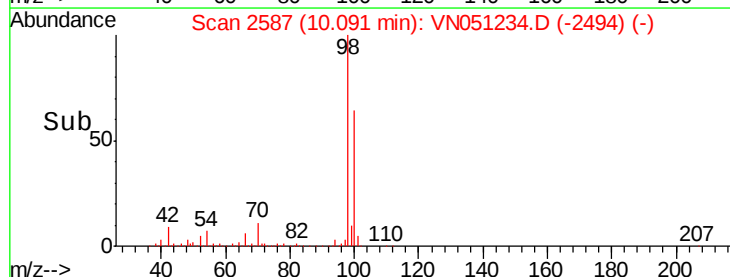
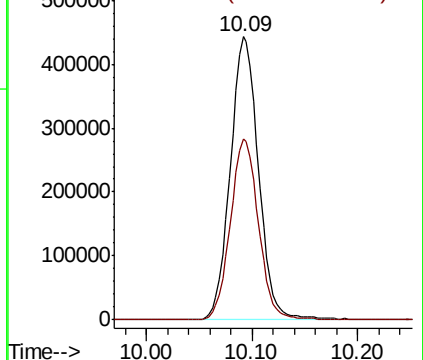


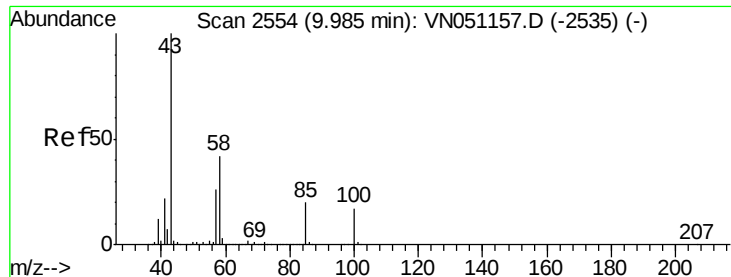
#50
Toluene-d8
Concen: 44.29 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Tgt Ion: 98 Resp: 818102
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.23 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051234.D

Acq: 15 Sep 2018 20:00

Instrument :

MSVOA_N

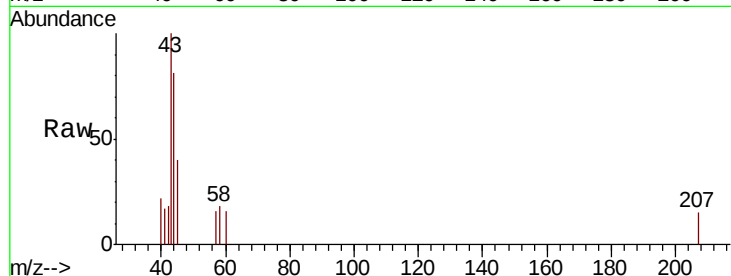
ClientSampleId :

Tot Ion: 43 Resp: 934

Ion Ratio Lower Upper

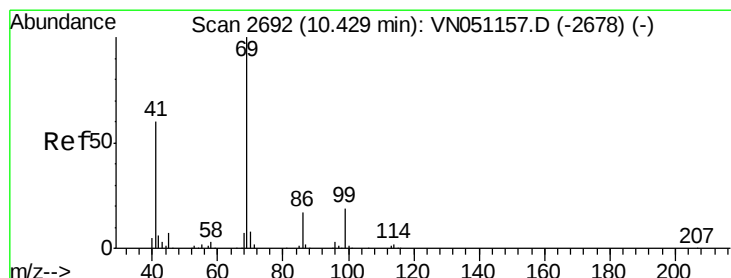
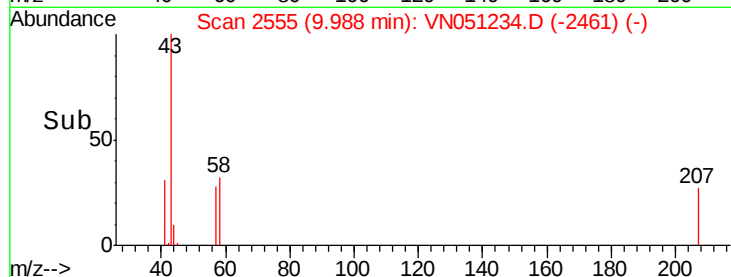
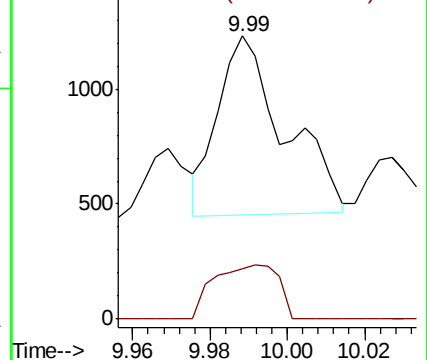
43 100

58 29.3 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#56

Ethyl methacrylate

Concen: 2.48 ug/l

RT: 10.28 min Scan# 2646

Delta R.T. -0.15 min

Lab File: VN051234.D

Acq: 15 Sep 2018 20:00

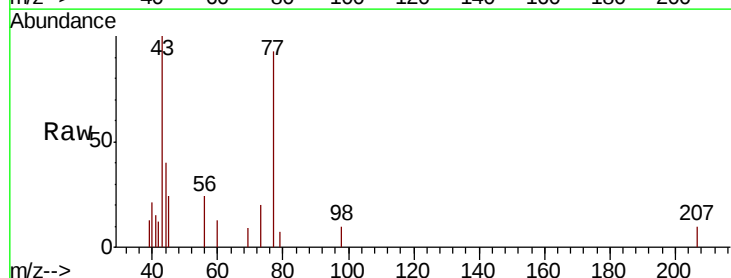
Tgt Ion: 69 Resp: 144

Ion Ratio Lower Upper

69 100

41 290.3 47.8 71.8#

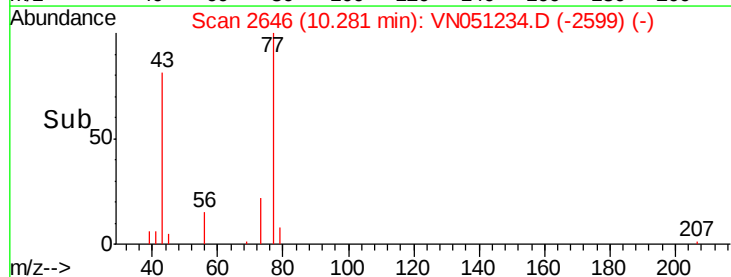
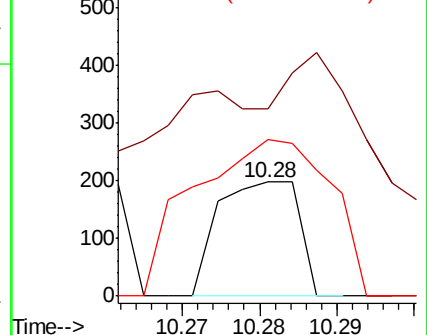
39 231.9 23.0 34.4#

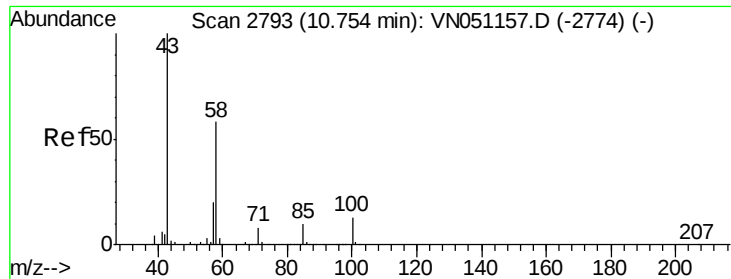


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

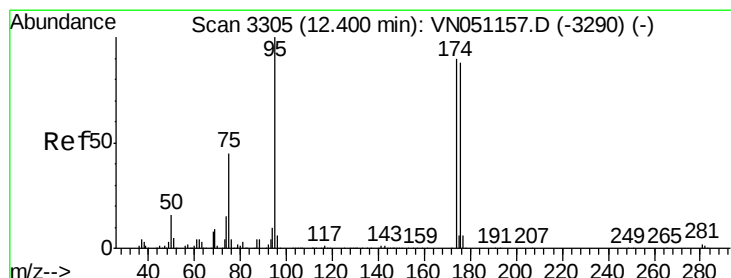
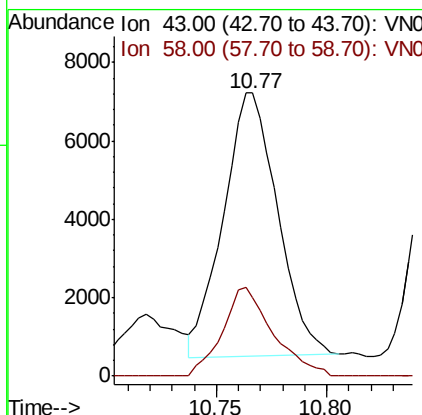
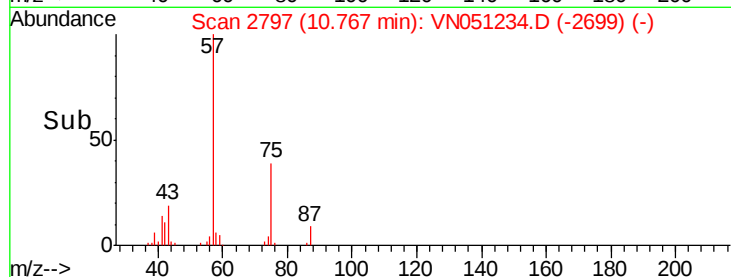
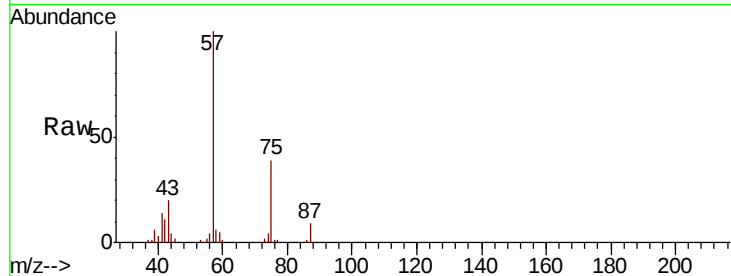




#59
2-Hexanone
Concen: 4.21 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

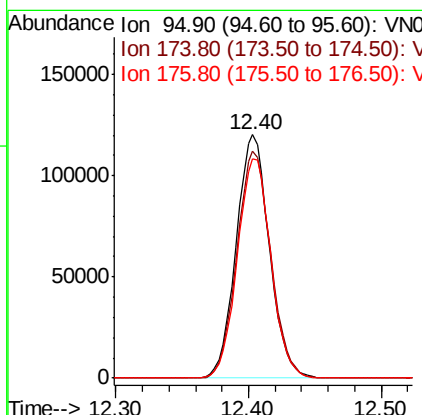
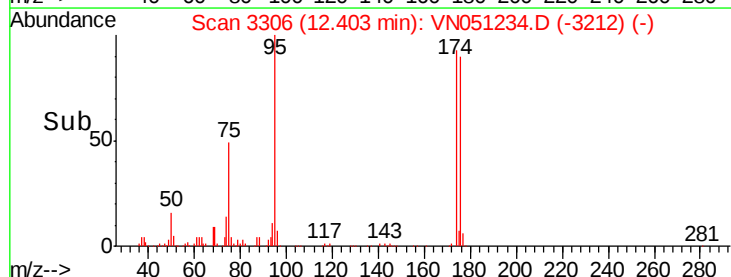
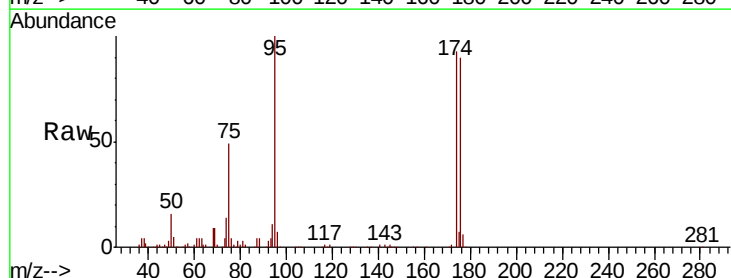
Instrument :
MSVOA_N
ClientSampleId :

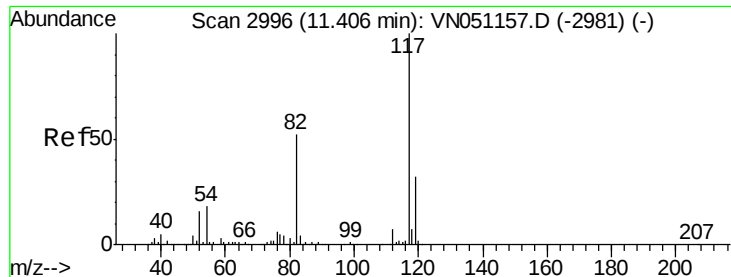
Tot Ion: 43 Resp: 11477
Ion Ratio Lower Upper
43 100
58 31.5 29.3 88.0



#62
4-Bromofluorobenzene
Concen: 34.18 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Tgt Ion: 95 Resp: 208811
Ion Ratio Lower Upper
95 100
174 94.9 0.0 184.8
176 91.2 0.0 178.6

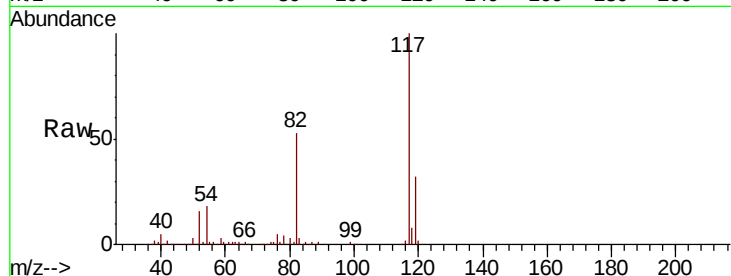




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.8	62.6
119	32.1	26.2	39.2

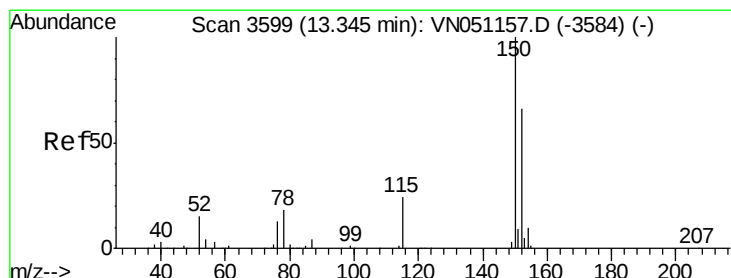
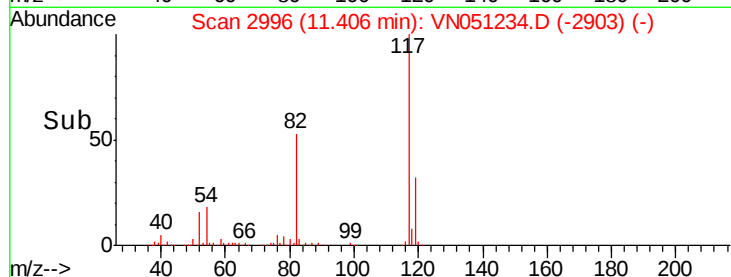
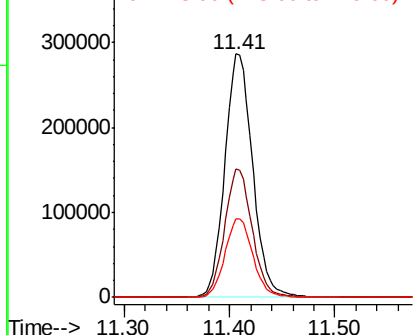


Abundance

Ion 116.90 (116.60 to 117.60): V

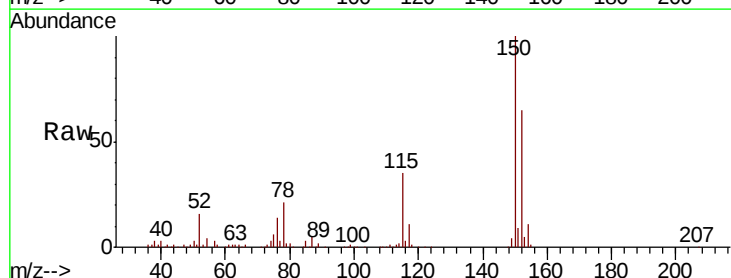
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051234.D
Acq: 15 Sep 2018 20:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	28.2	84.7
150	158.1	0.0	349.0

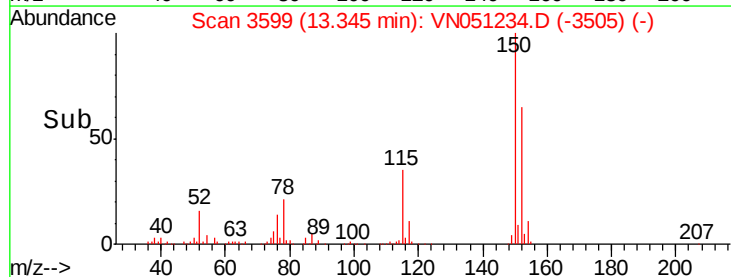
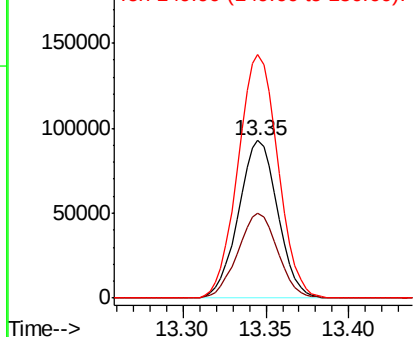


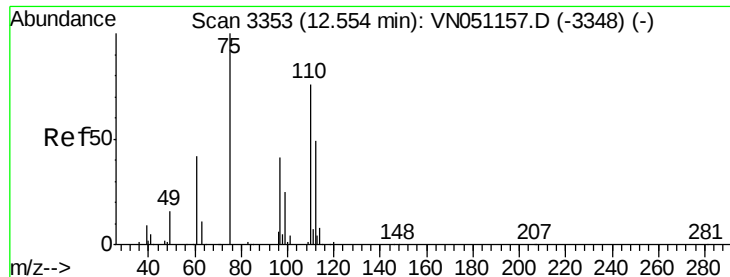
Abundance

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





#76

1,2,3-Trichloropropane

Concen: 41.60 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051234.D

Acq: 15 Sep 2018 20:00

Instrument :

MSVOA_N

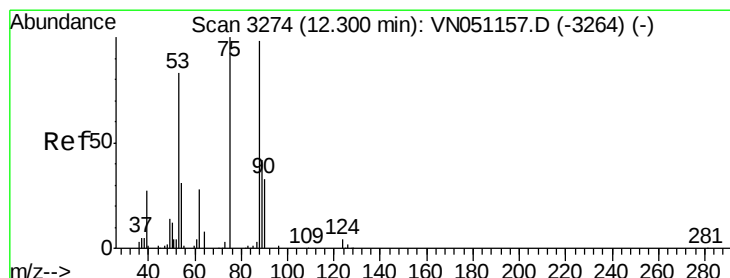
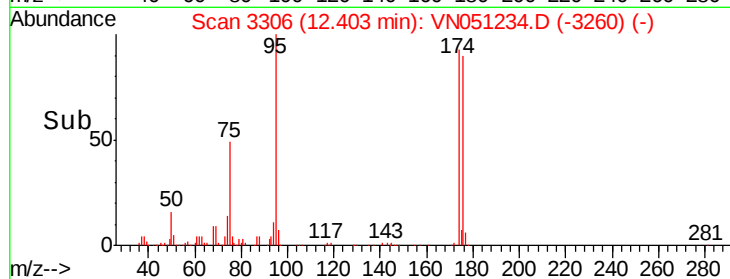
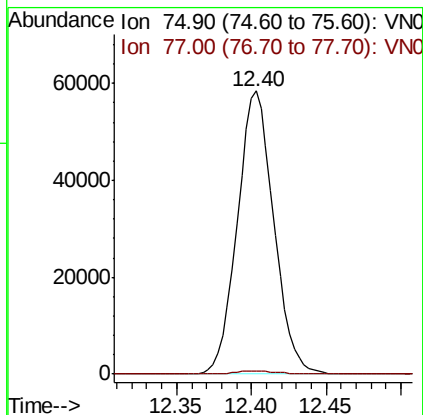
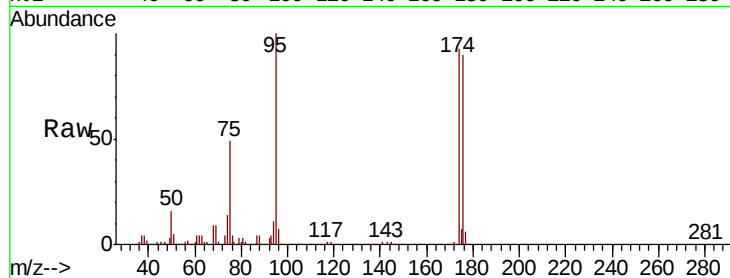
ClientSampleId :

Tot Ion: 75 Resp: 98849

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.21 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051234.D

Acq: 15 Sep 2018 20:00

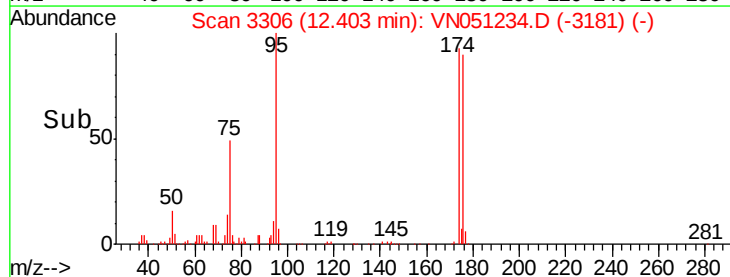
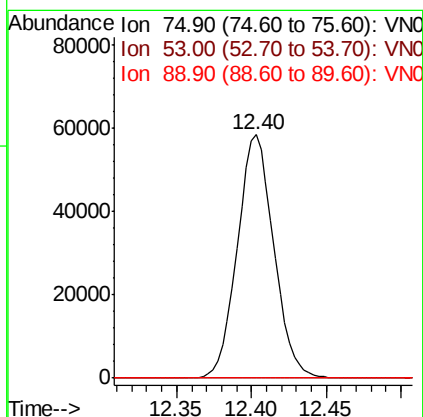
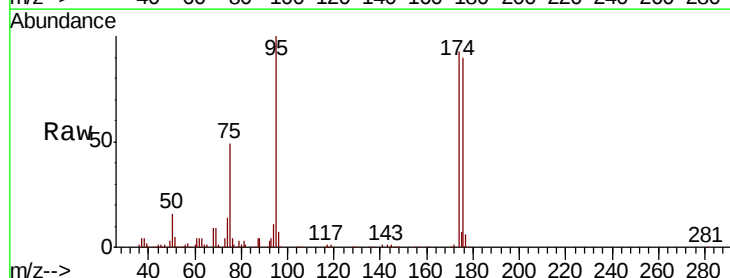
Tgt Ion: 75 Resp: 98849

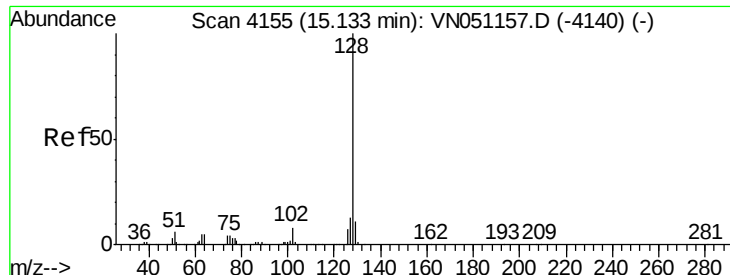
Ion Ratio Lower Upper

75 100

53 0.2 67.8 101.8#

89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 5.36 ug/l

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN051234.D

Acq: 15 Sep 2018 20:00

Instrument :

MSVOA_N

ClientSampleId :

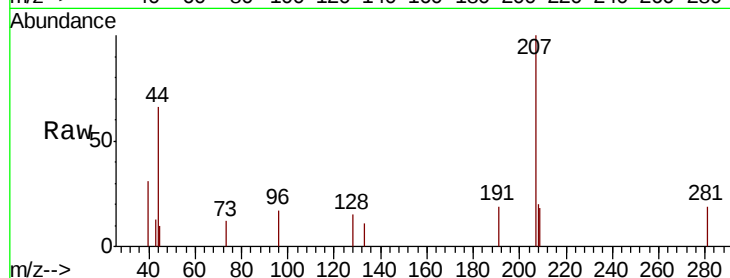
Tot Ion:128 Resp: 143

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#



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

