

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051957.D
 Acq On : 19 Oct 2018 19:21
 Operator : MD\SY
 Sample : J5538-16 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 NL 7

Quant Time: Oct 19 23:10:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	989799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1441890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1360281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	672296	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	554841	60.47	ug/l	0.00
Spiked Amount						
			Recovery	=	120.94%	
35) Dibromofluoromethane	7.59	113	199042	21.72	ug/l	0.00
Spiked Amount						
			Recovery	=	43.44%	
50) Toluene-d8	10.09	98	2024591	60.69	ug/l	0.00
Spiked Amount						
			Recovery	=	121.38%	
62) 4-Bromofluorobenzene	12.40	95	660993	59.37	ug/l	0.00
Spiked Amount						
			Recovery	=	118.74%	

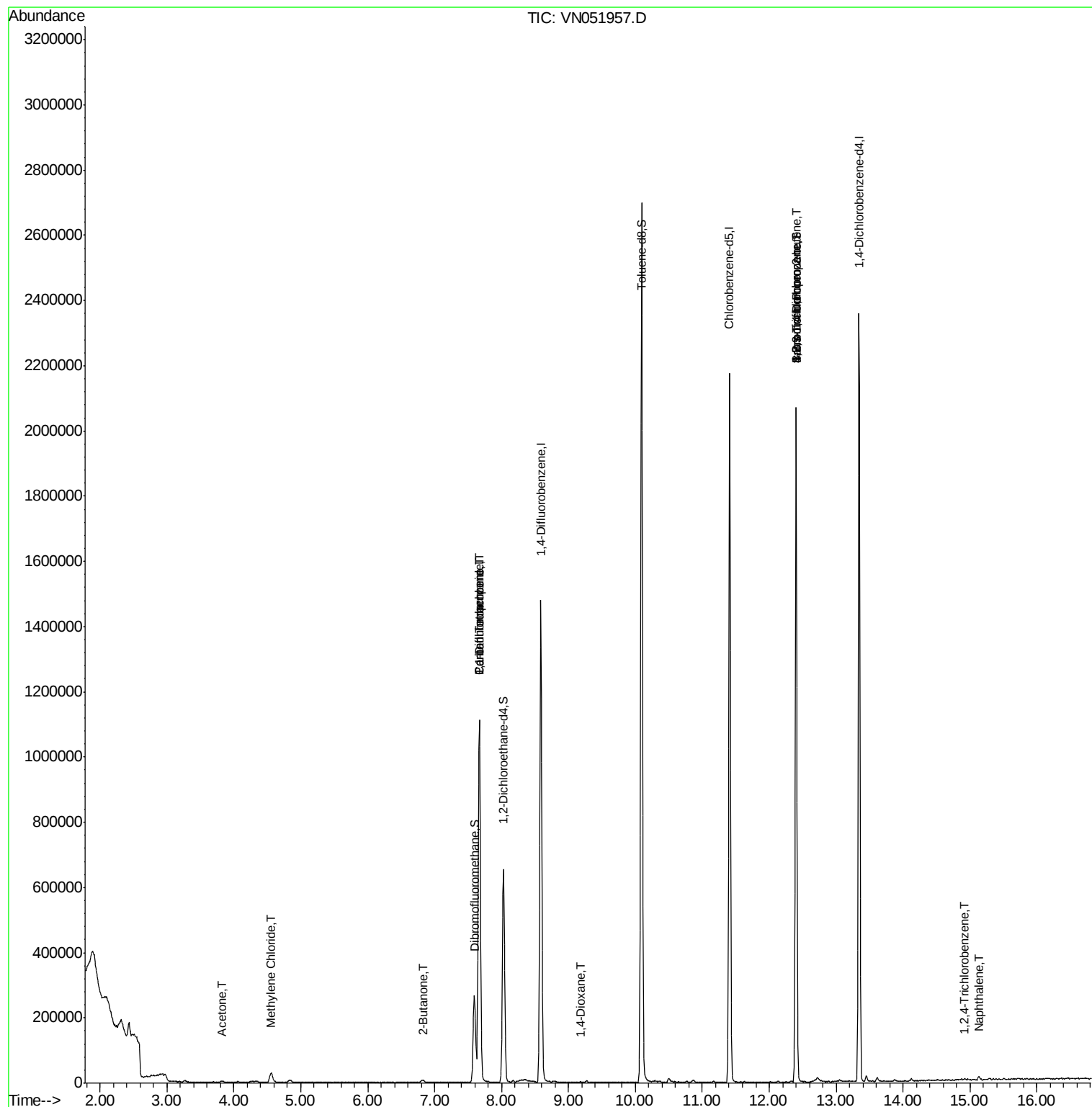
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.59	94	767	Below Cal	#	53
13) Acrolein	3.61	56	65	Below Cal	#	1
16) Acetone	3.82	43	3046	1.875	ug/l #	82
18) Methyl Acetate	4.34	43	7923	Below Cal	#	53
20) Methylene Chloride	4.55	84	24476	2.963	ug/l	90
25) 2-Butanone	6.83	43	1098	0.473	ug/l #	83
31) Cyclohexane	7.67	56	17064	Below Cal	#	51
36) 1,1-Dichloropropene	7.67	75	64884	5.798	ug/l #	47
37) Ethyl Acetate	6.95	43	247	Below Cal	#	82
38) Carbon Tetrachloride	7.67	117	89150	6.765	ug/l #	16
43) Isopropyl Acetate	8.17	43	4778	Below Cal	#	76
49) 1,4-Dioxane	9.19	88	30	0.350	ug/l #	1
71) Bromoform	12.40	173	5912	3.960	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	330716	40.473	ug/l #	100
79) 2-Chlorotoluene	12.69	91	135	Below Cal	#	36
81) trans-1,4-Dichloro-2-buten	12.40	75	330716	133.035	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	123	4.072	ug/l #	54
95) Naphthalene	15.13	128	8774	4.427	ug/l	97

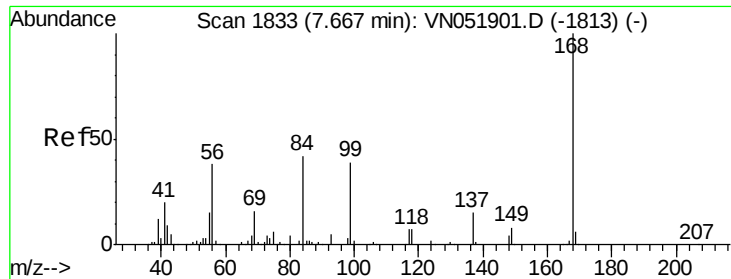
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
NL_7

Quant Time: Oct 19 23:10:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 19 05:11:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051957.D

Acq: 19 Oct 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

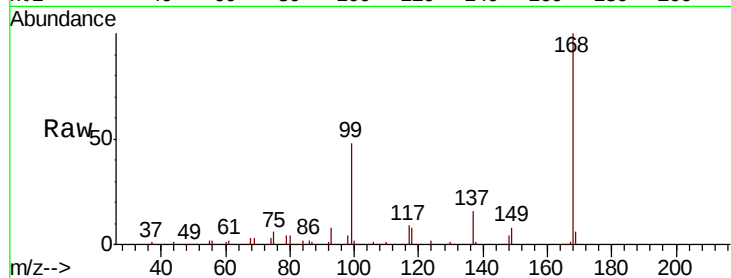
NL 7

Tot Ion:168 Resp: 989799

Ion Ratio Lower Upper

168 100

99 48.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VN051901.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051901.D (-1813) (-)

7.67

400000

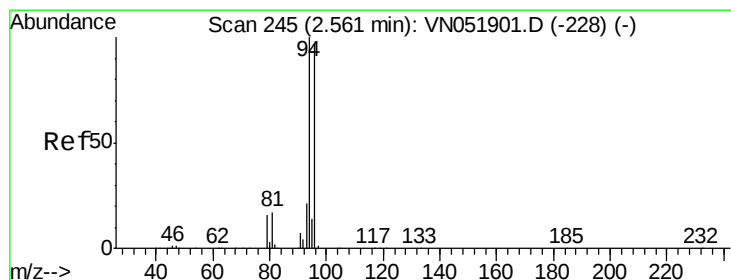
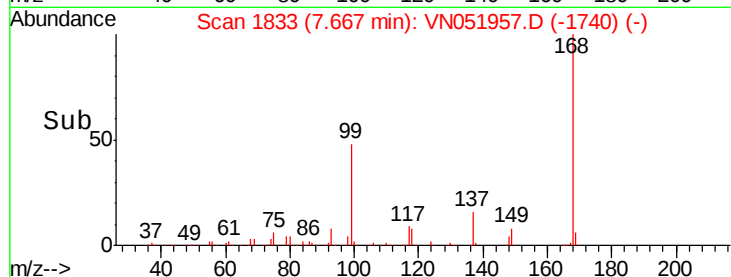
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.59 min Scan# 253

Delta R.T. 0.03 min

Lab File: VN051957.D

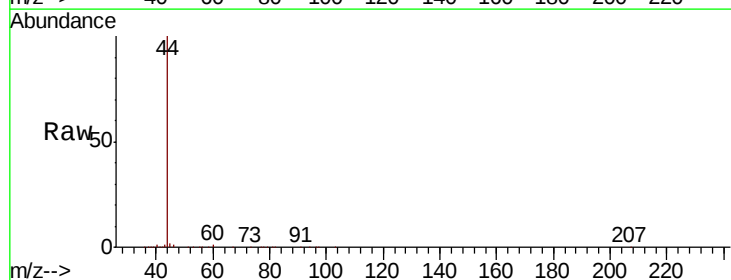
Acq: 19 Oct 2018 19:21

Tgt Ion: 94 Resp: 767

Ion Ratio Lower Upper

94 100

96 50.4 77.5 116.3#



Abundance Ion 93.90 (93.60 to 94.60): VN051901.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN051901.D (-228) (-)

2.59

500

400

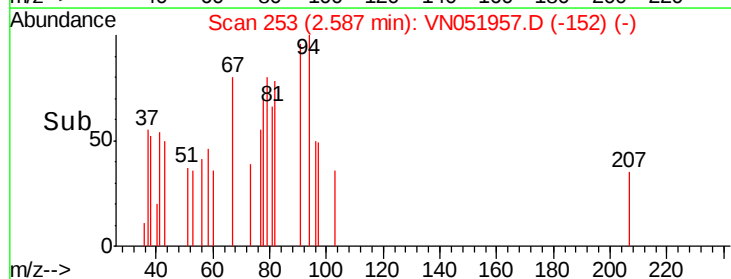
300

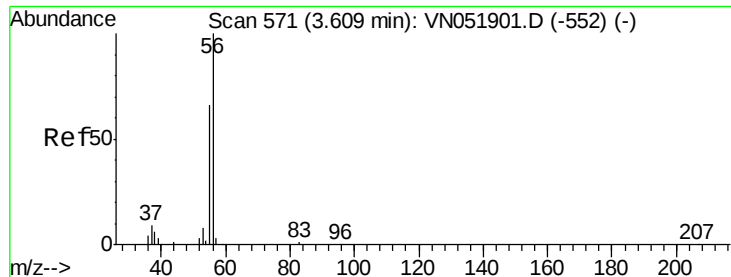
200

100

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051957.D

Acq: 19 Oct 2018 19:21

Instrument :

MSVOA_N

ClientSampled :

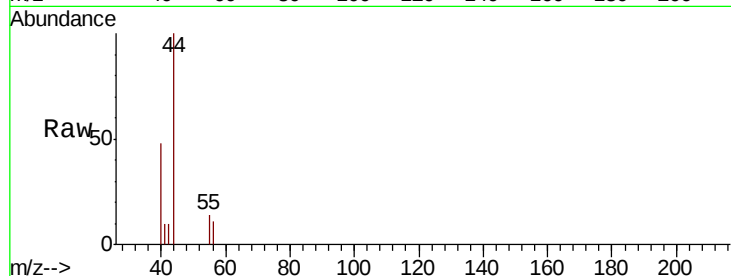
NL 7

Tot Ion: 56 Resp: 65

Ion Ratio Lower Upper

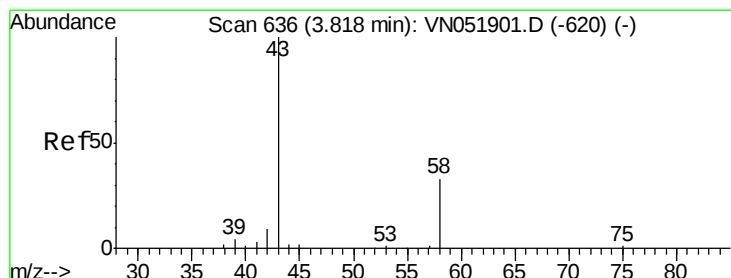
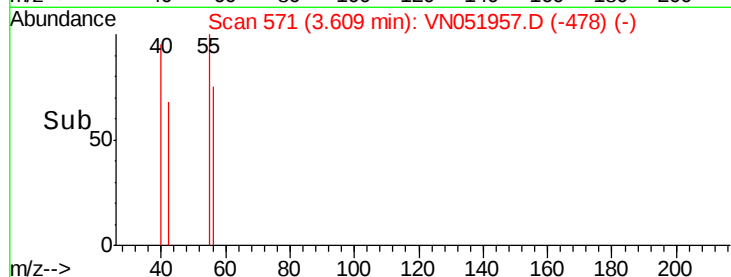
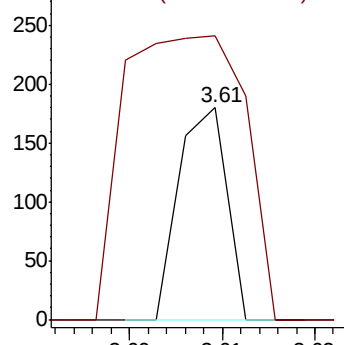
56 100

55 333.8 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 1.875 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN051957.D

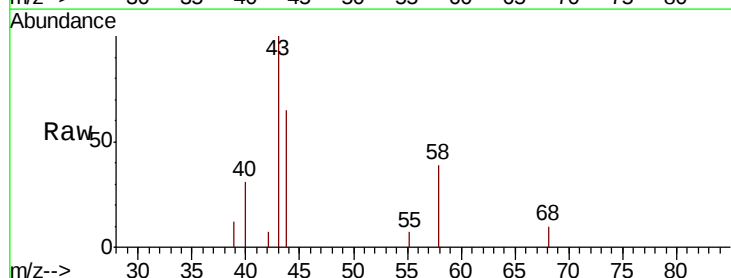
Acq: 19 Oct 2018 19:21

Tgt Ion: 43 Resp: 3046

Ion Ratio Lower Upper

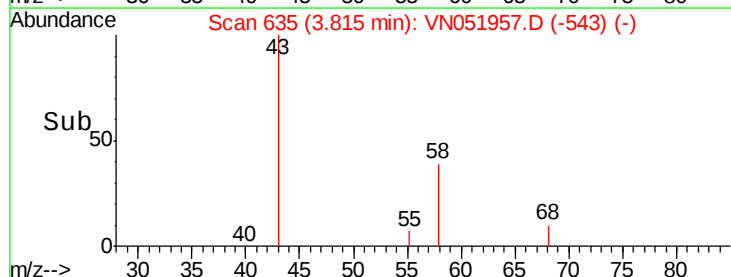
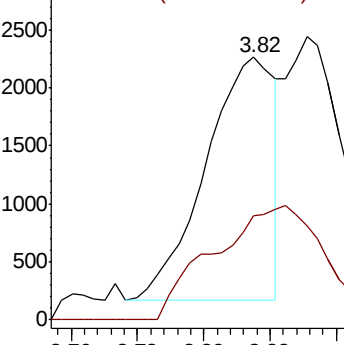
43 100

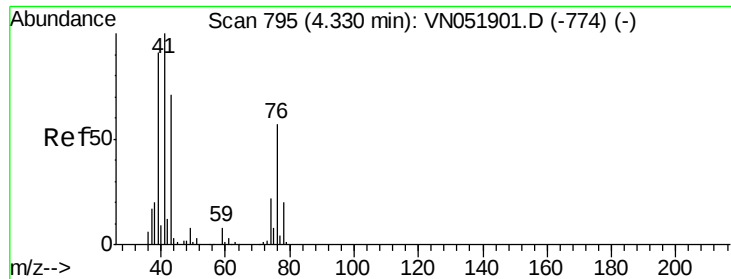
58 42.5 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

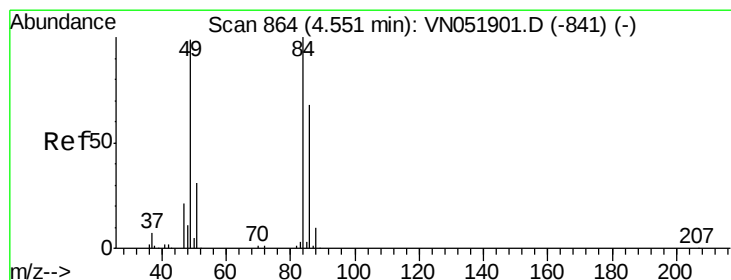
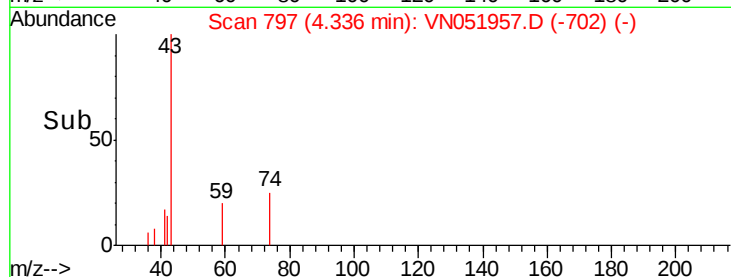
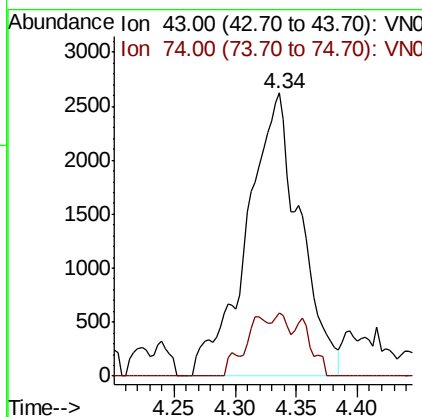
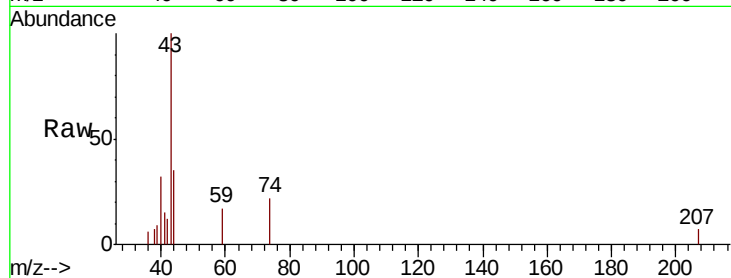




#18
Methvl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051957.D
Acq: 19 Oct 2018 19:21

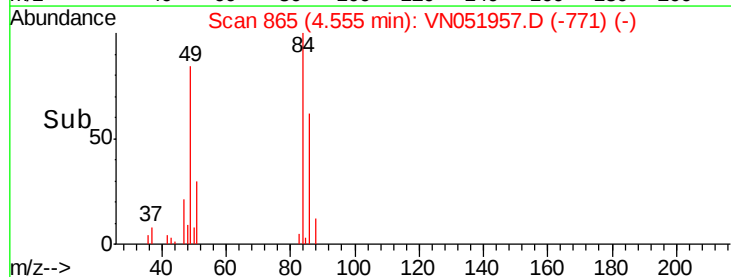
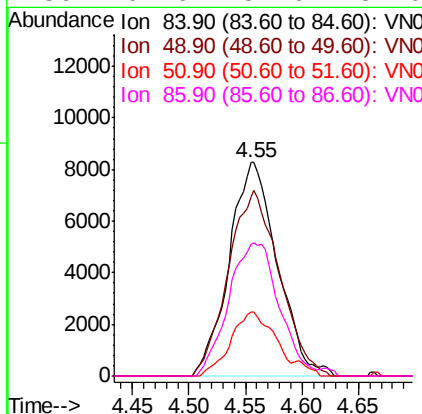
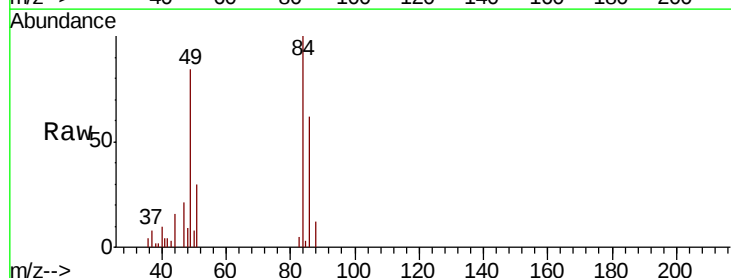
Instrument :
MSVOA_N
ClientSampleId :
NL_7

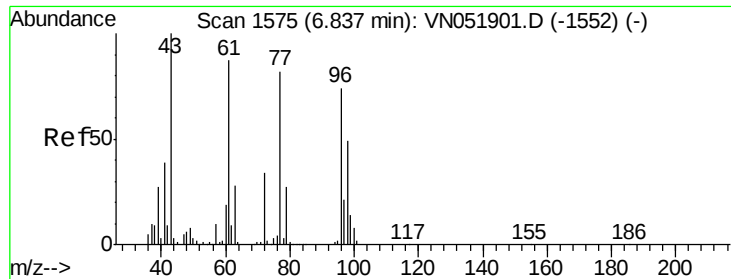
Tot Ion: 43 Resp: 7923
Ion Ratio Lower Upper
43 100
74 5.1 24.9 37.3#



#20
Methylene Chloride
Concen: 2.963 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051957.D
Acq: 19 Oct 2018 19:21

Tgt Ion: 84 Resp: 24476
Ion Ratio Lower Upper
84 100
49 84.0 79.0 118.4
51 30.2 24.9 37.3
86 61.6 54.6 82.0

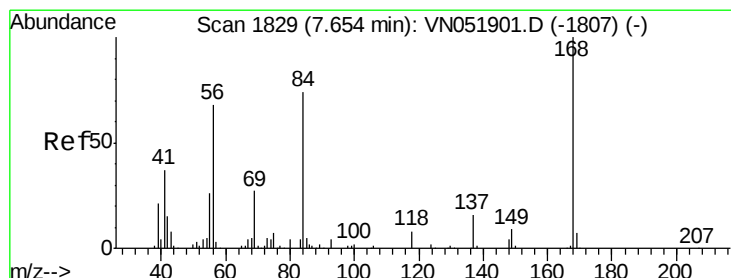
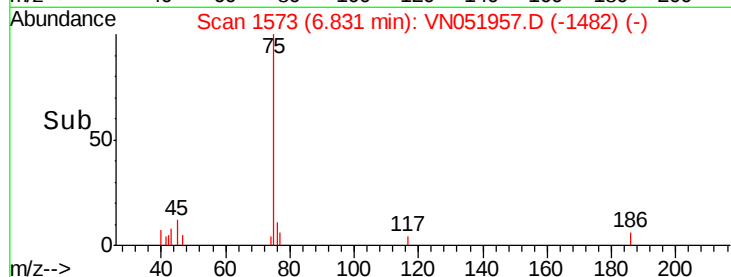
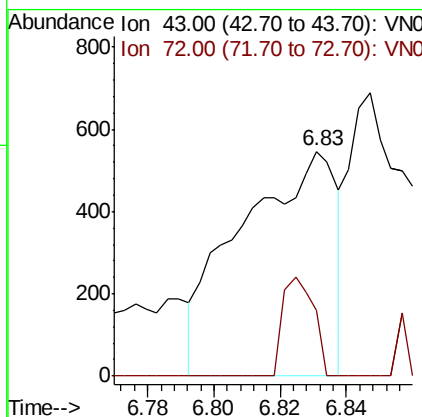
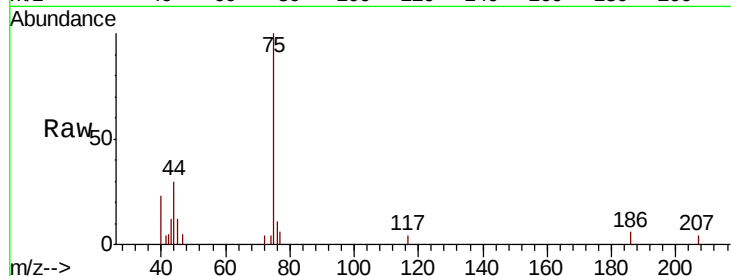




#25
2-Butanone
Concen: 0.473 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VN051957.D
Acq: 19 Oct 2018 19:21

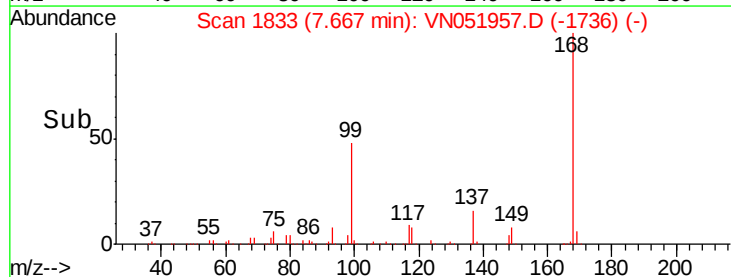
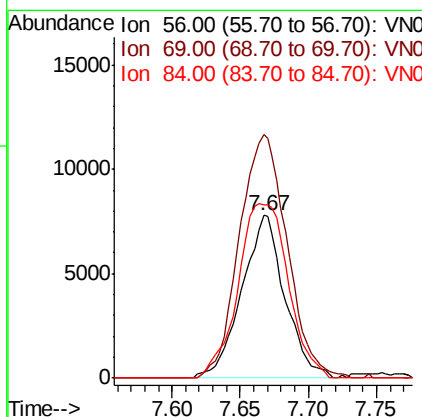
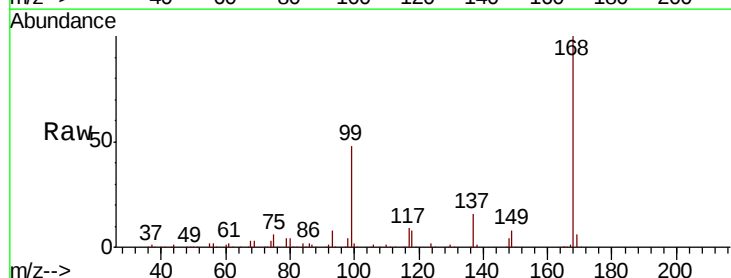
Instrument :
MSVOA_N
ClientSampleId :
NL_7

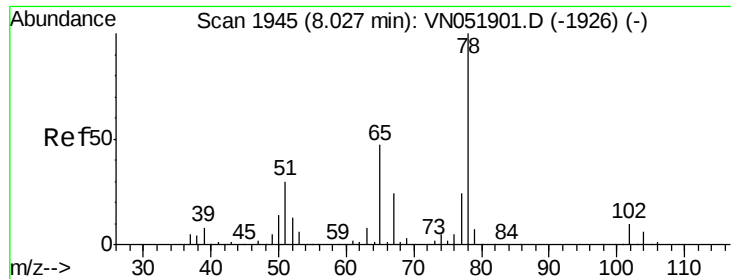
Tot Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
72 43.8 27.0 40.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051957.D
Acq: 19 Oct 2018 19:21

Tgt Ion: 56 Resp: 17064
Ion Ratio Lower Upper
56 100
69 149.9 31.2 46.8#
84 106.7 86.6 130.0

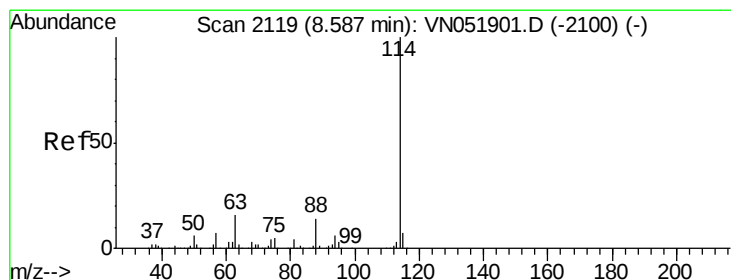
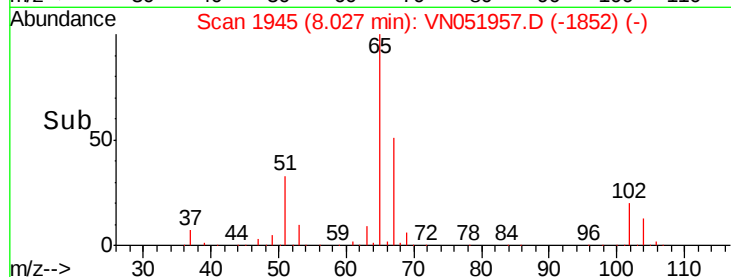
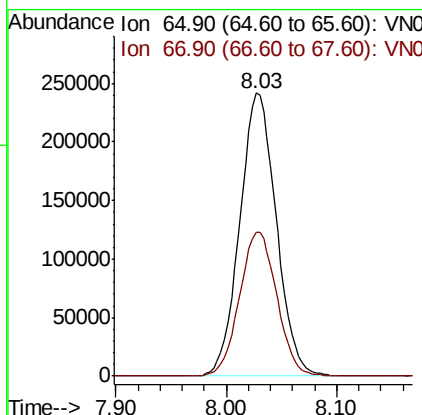
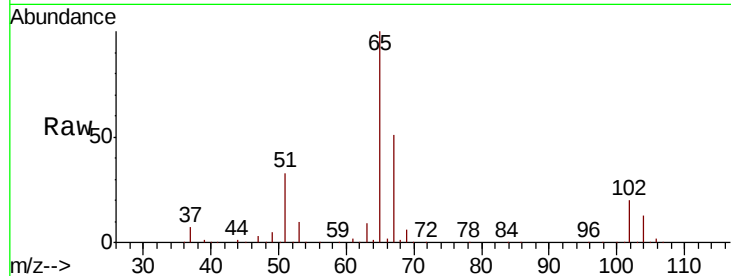




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051957.D
 Acq: 19 Oct 2018 19:21

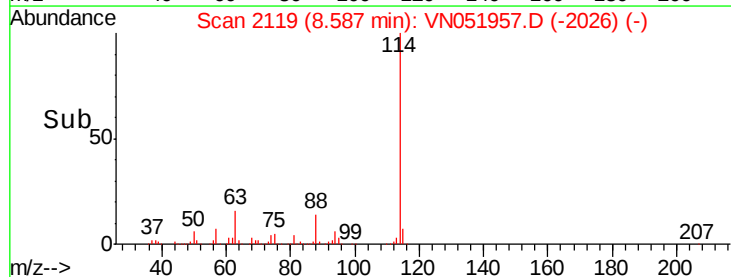
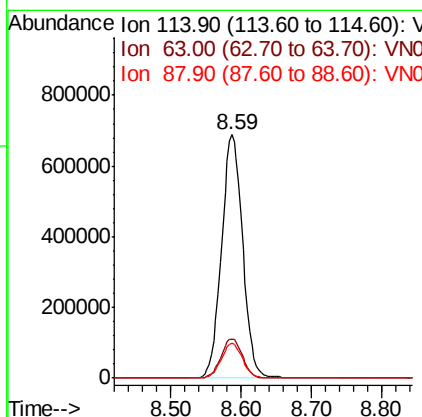
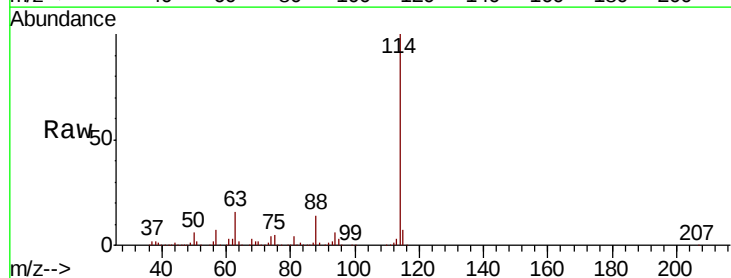
Instrument :
 MSVOA_N
 ClientSampled :
 NL 7

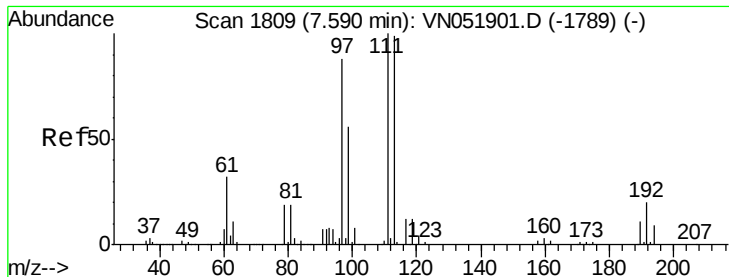
Tot Ion: 65 Resp: 554841
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051957.D
 Acq: 19 Oct 2018 19:21

Tgt Ion: 114 Resp: 1441890
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.8
 88 14.3 0.0 28.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051957.D

Acq: 19 Oct 2018 19:21

Instrument :

MSVOA_N

ClientSampled :

NL 7

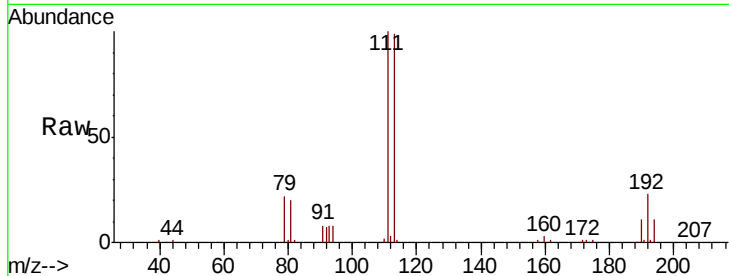
Tot Ion:113 Resp: 199042

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

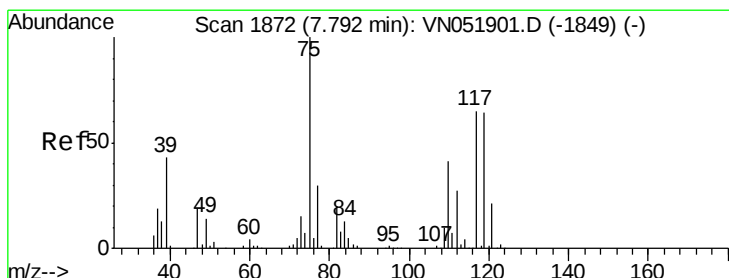
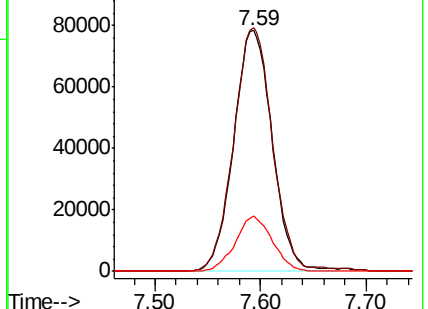
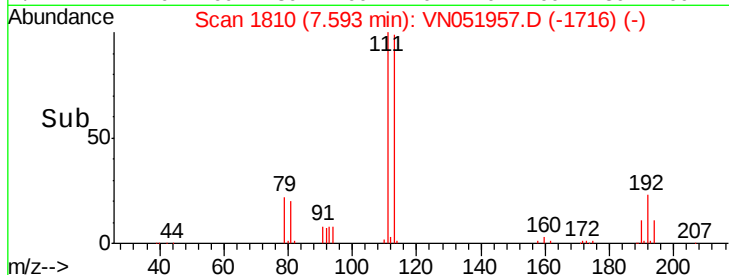
192 22.0 17.3 25.9



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: 5.798 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051957.D

Acq: 19 Oct 2018 19:21

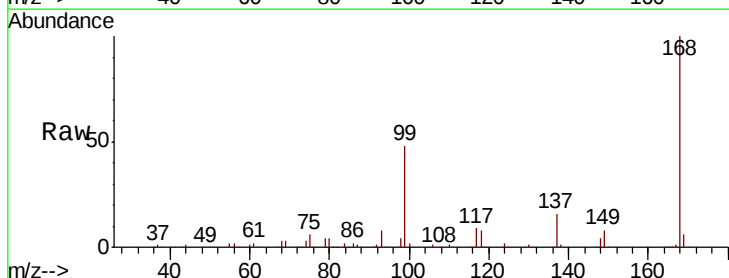
Tgt Ion: 75 Resp: 64884

Ion Ratio Lower Upper

75 100

110 9.9 21.0 63.0#

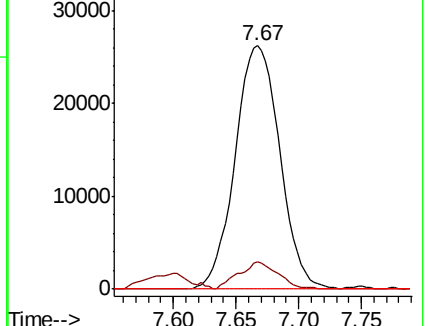
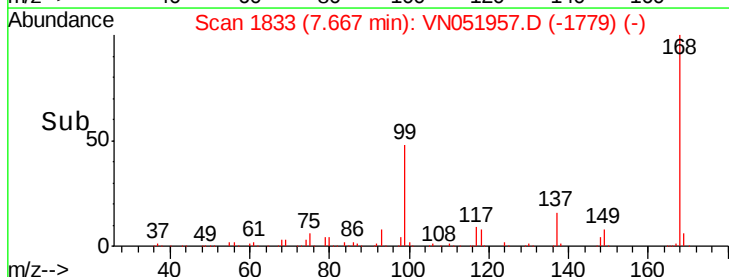
77 0.0 24.9 37.3#

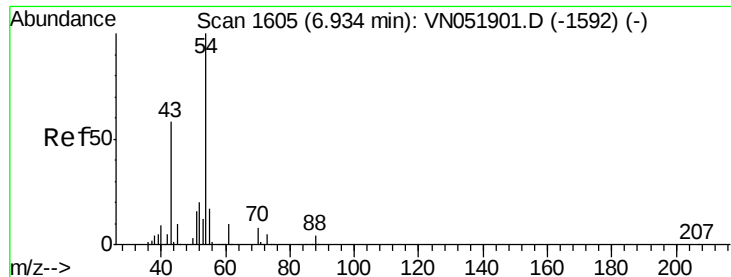


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

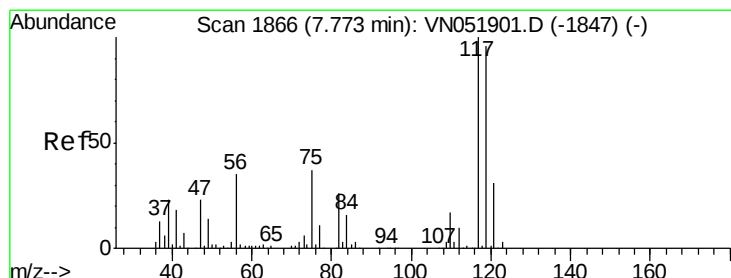
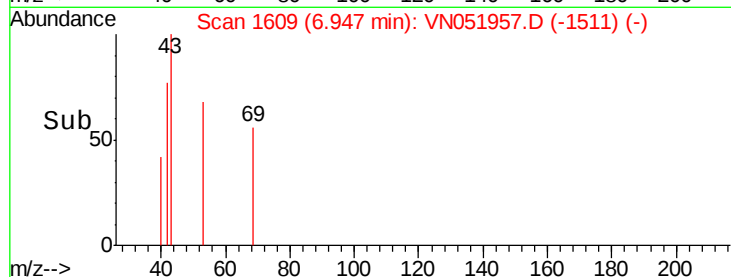
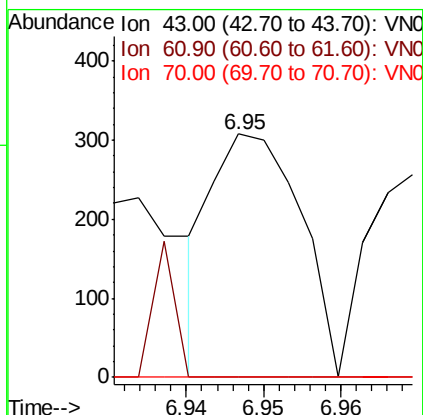
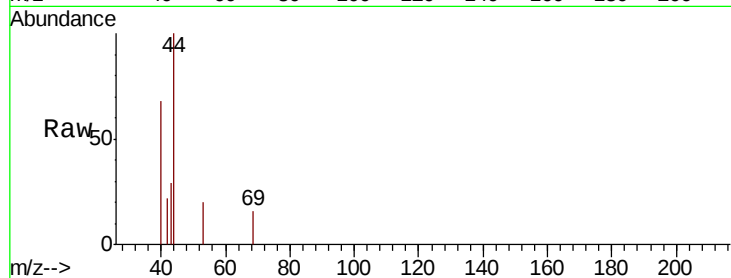




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.95 min Scan# 1609
Delta R.T. 0.01 min
Lab File: VN051957.D
Acq: 19 Oct 2018 19:21

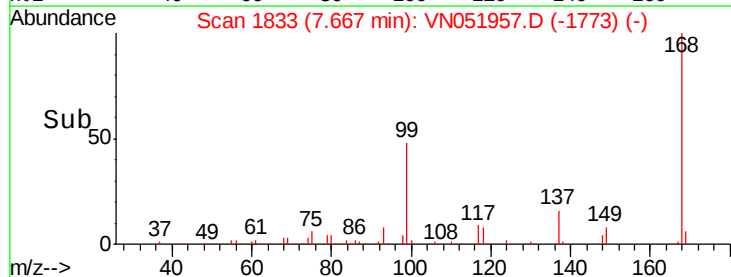
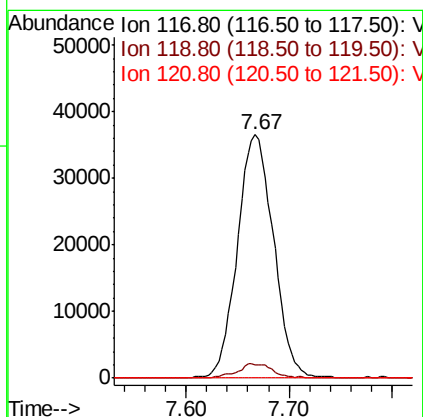
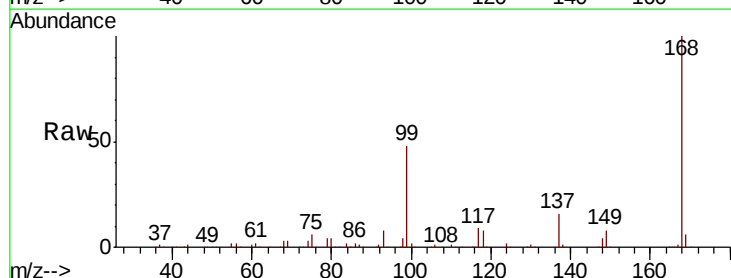
Instrument :
MSVOA_N
ClientSampleId :
NL_7

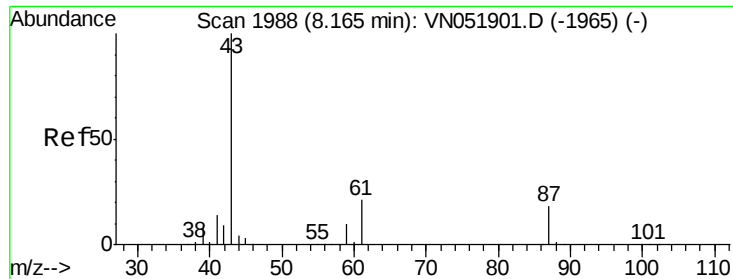
Tot Ion: 43 Resp: 247
Ion Ratio Lower Upper
43 100
61 13.4 13.0 19.6
70 0.0 10.4 15.6#



#38
Carbon Tetrachloride
Concen: 6.765 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051957.D
Acq: 19 Oct 2018 19:21

Tgt Ion: 117 Resp: 89150
Ion Ratio Lower Upper
117 100
119 5.7 77.0 115.6#
121 0.0 25.1 37.7#



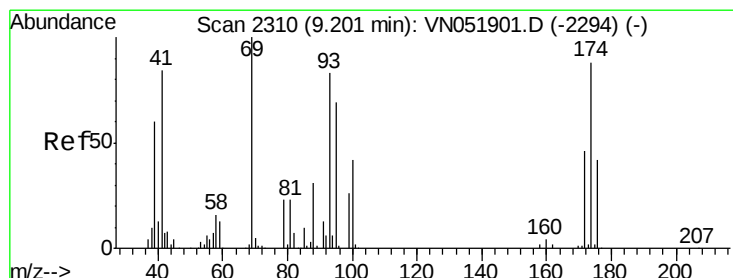
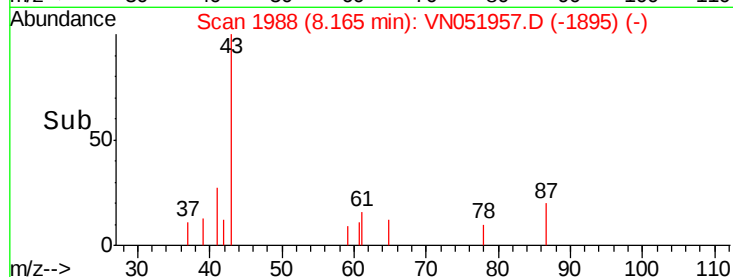
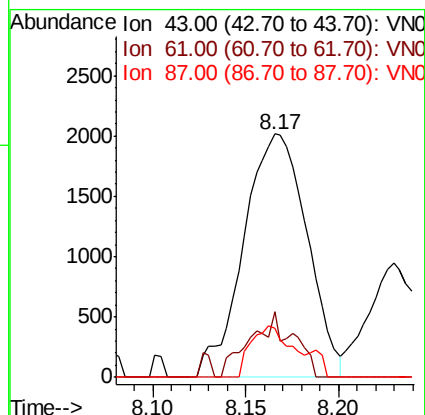
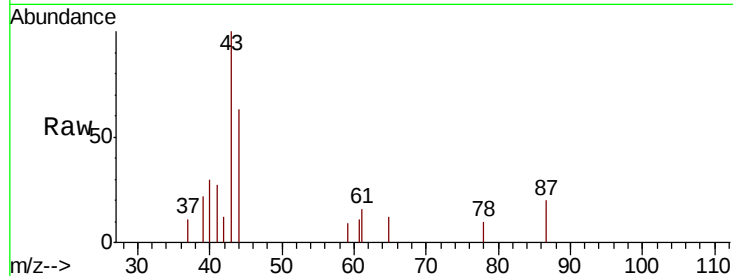


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051957.D
 Acq: 19 Oct 2018 19:21

Instrument :
 MSVOA_N
 ClientSampled :
 NL 7

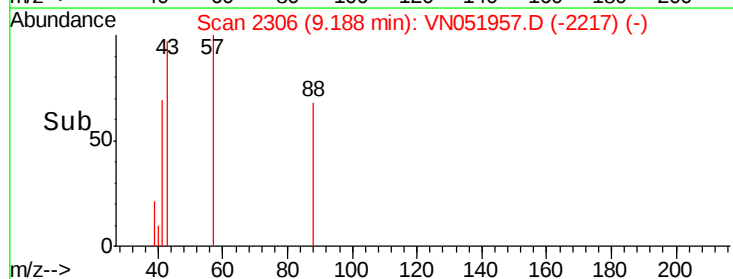
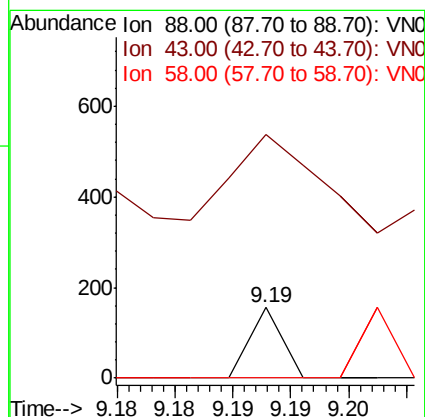
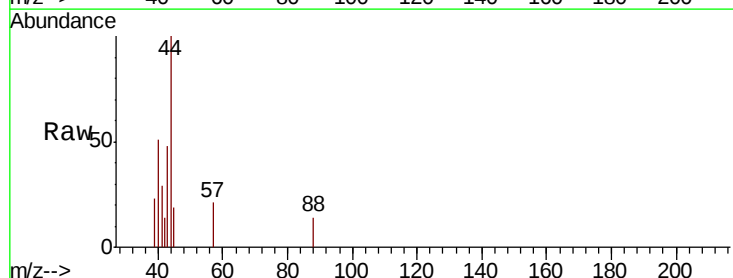
Tot Ion: 43 Resp: 4778
 Ion Ratio Lower Upper
 43 100
 61 13.8 24.9 37.3#
 87 13.2 14.6 22.0#

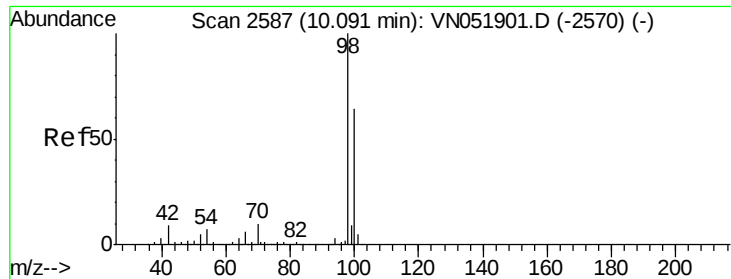


#49

1,4-Dioxane
 Concen: 0.350 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.01 min
 Lab File: VN051957.D
 Acq: 19 Oct 2018 19:21

Tgt Ion: 88 Resp: 30
 Ion Ratio Lower Upper
 88 100
 43 530.0 19.7 29.5#
 58 0.0 42.6 64.0#

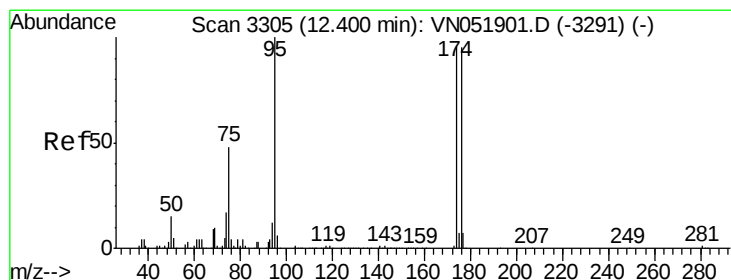
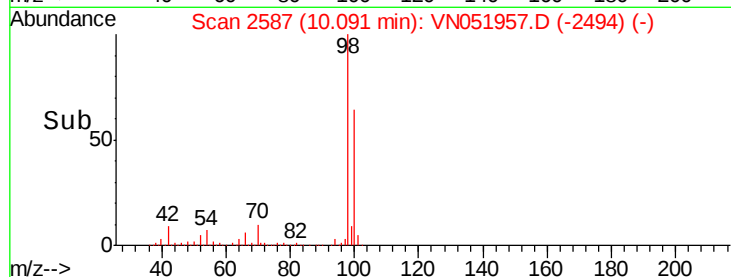
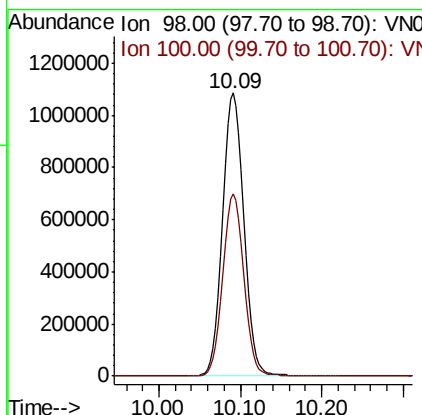
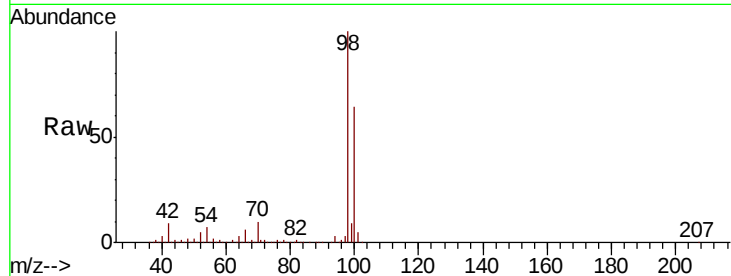




#50
Toluene-d8
Concen: 0.350 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051957.D
Acq: 19 Oct 2018 19:21

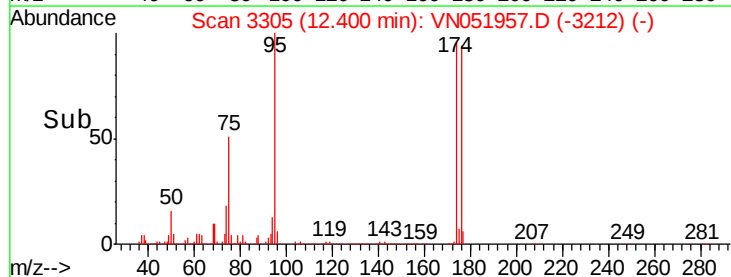
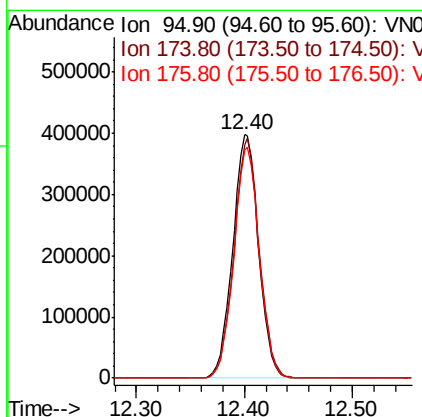
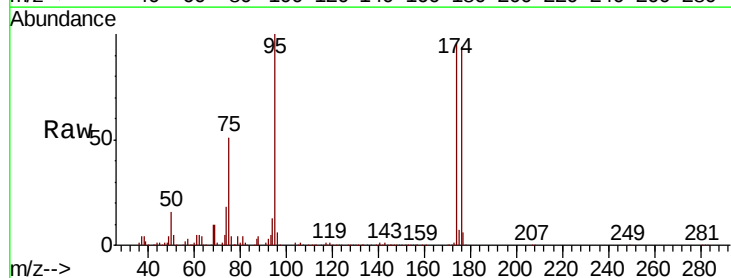
Instrument :
MSVOA_N
ClientSampleId :
NL_7

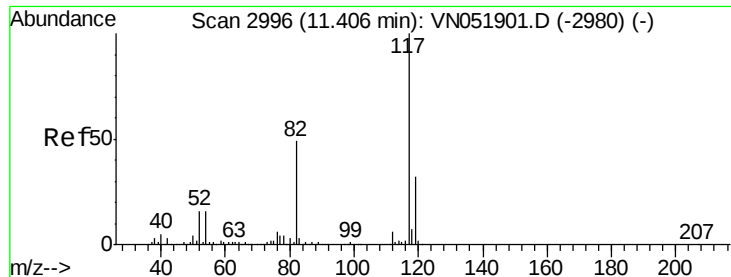
Tot Ion: 98 Resp: 2024591
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.4



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051957.D
Acq: 19 Oct 2018 19:21

Tgt Ion: 95 Resp: 660993
Ion Ratio Lower Upper
95 100
174 96.8 0.0 195.0
176 93.7 0.0 191.4

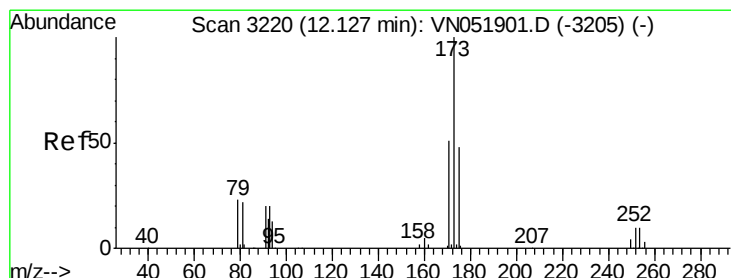
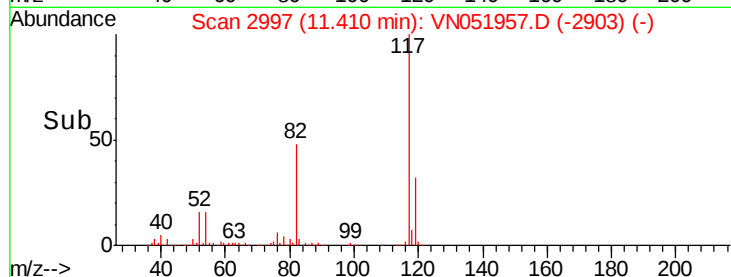
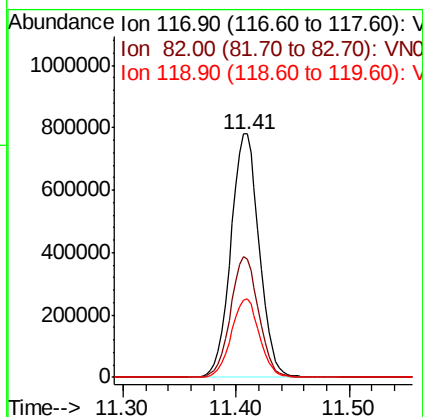
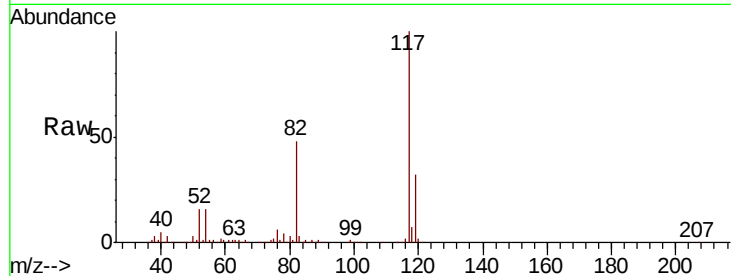




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051957.D
Acq: 19 Oct 2018 19:21

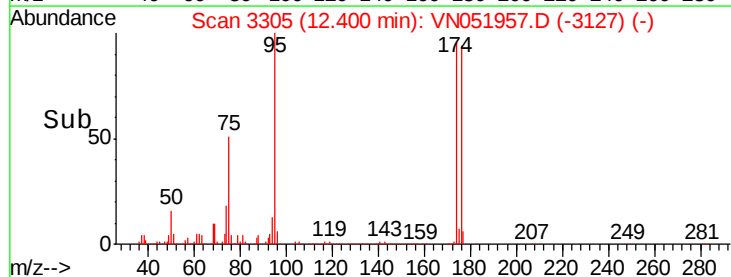
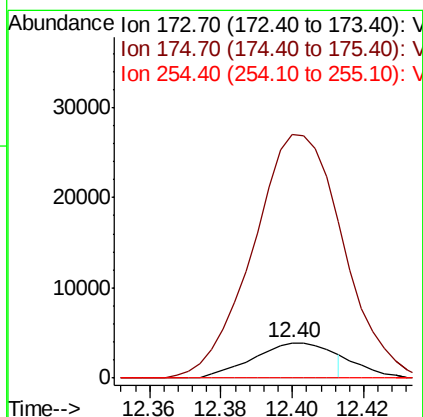
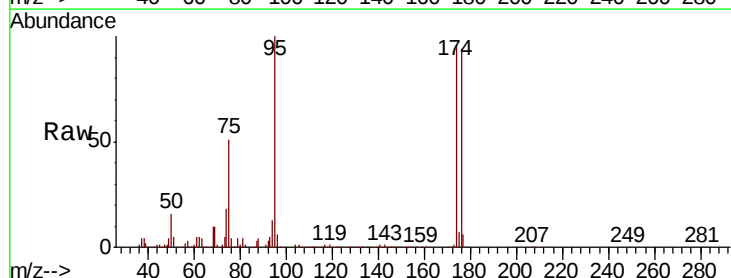
Instrument :
MSVOA_N
ClientSampled :
NL 7

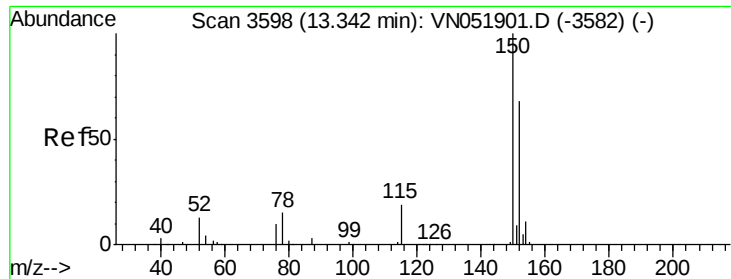
Tot Ion:117 Resp: 1360281
Ion Ratio Lower Upper
117 100
82 48.4 38.9 58.3
119 32.1 25.9 38.9



#71
Bromoform
Concen: 3.960 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051957.D
Acq: 19 Oct 2018 19:21

Tgt Ion:173 Resp: 5912
Ion Ratio Lower Upper
173 100
175 696.1 24.0 72.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051957.D

Acq: 19 Oct 2018 19:21

Instrument :

MSVOA_N

ClientSampled :

NL 7

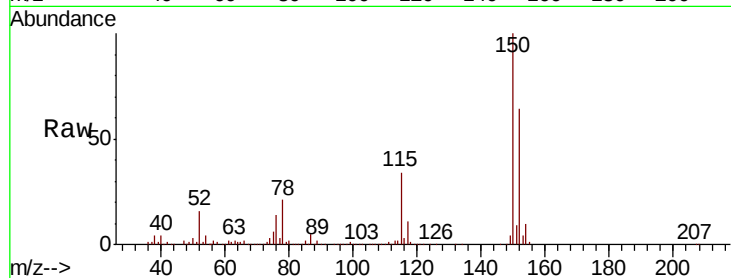
Tot Ion:152 Resp: 672296

Ion Ratio Lower Upper

152 100

115 54.0 26.7 80.1

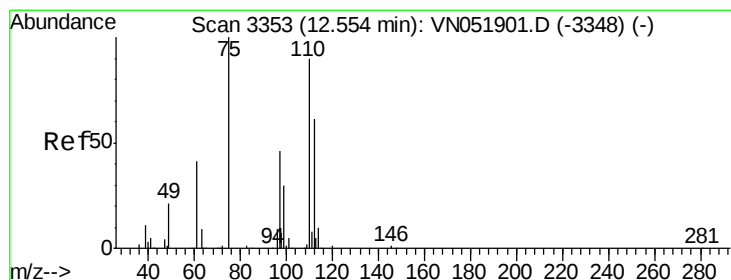
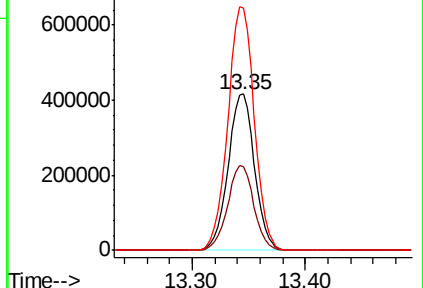
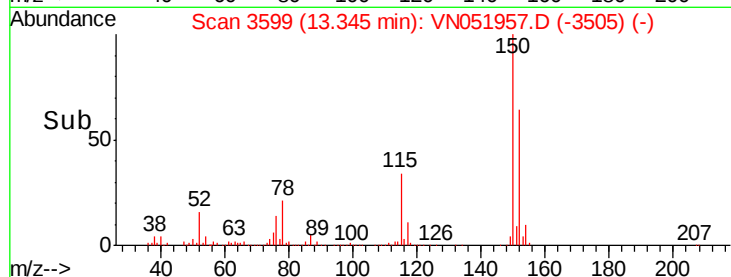
150 156.6 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 40.473 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051957.D

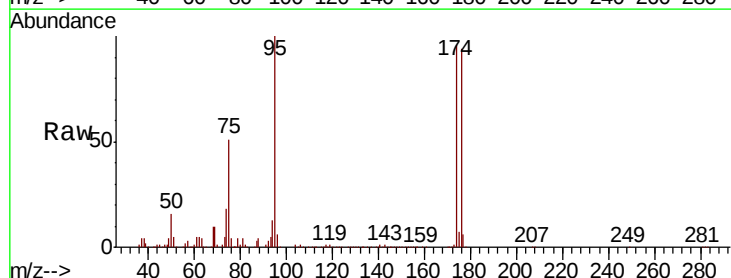
Acq: 19 Oct 2018 19:21

Tgt Ion: 75 Resp: 330716

Ion Ratio Lower Upper

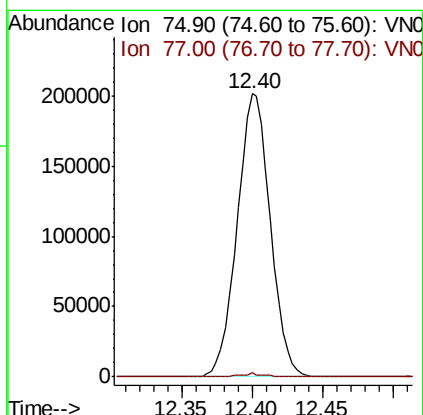
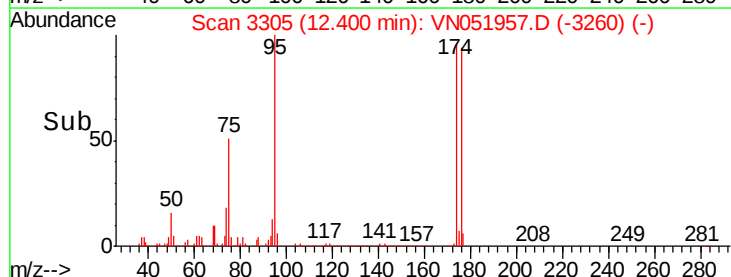
75 100

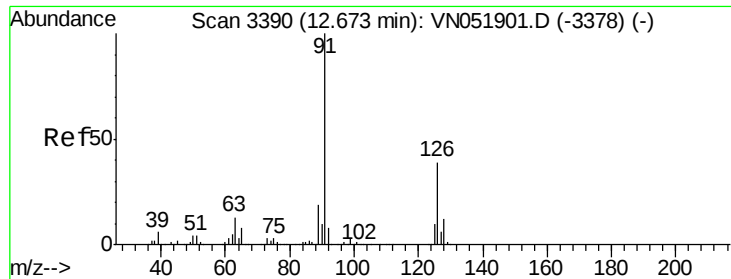
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN051957.D

Acq: 19 Oct 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

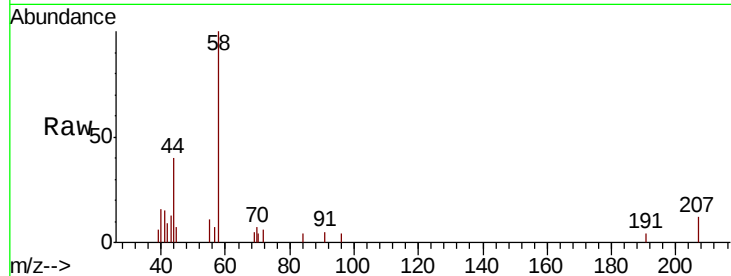
NL 7

Tot Ion: 91 Resp: 135

Ion Ratio Lower Upper

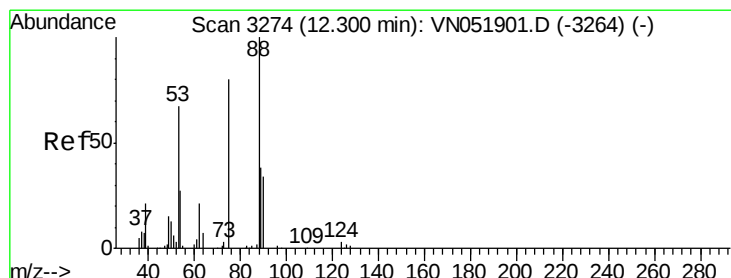
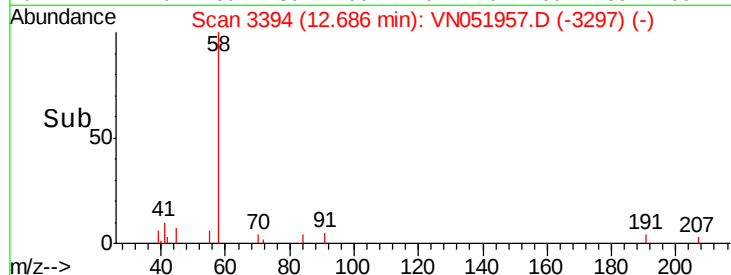
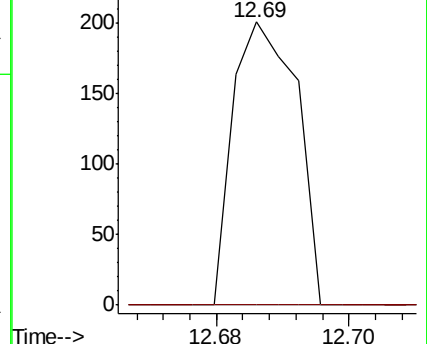
91 100

126 0.0 19.6 58.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 133.035 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051957.D

Acq: 19 Oct 2018 19:21

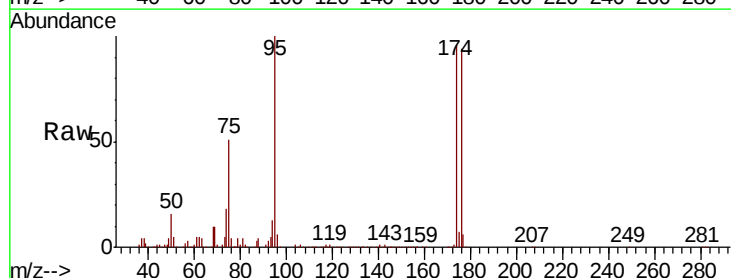
Tgt Ion: 75 Resp: 330716

Ion Ratio Lower Upper

75 100

53 0.0 68.5 102.7#

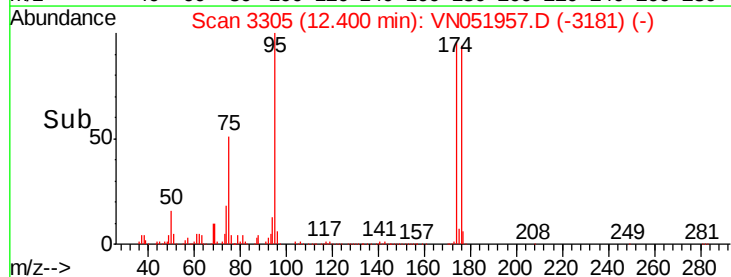
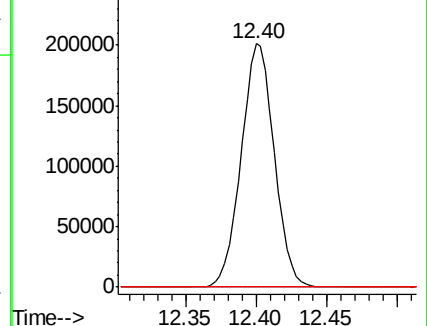
89 0.0 39.0 58.6#

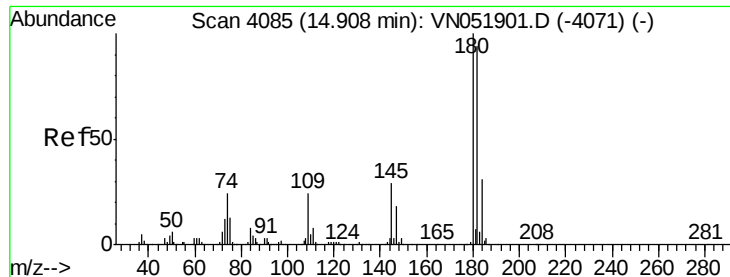


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

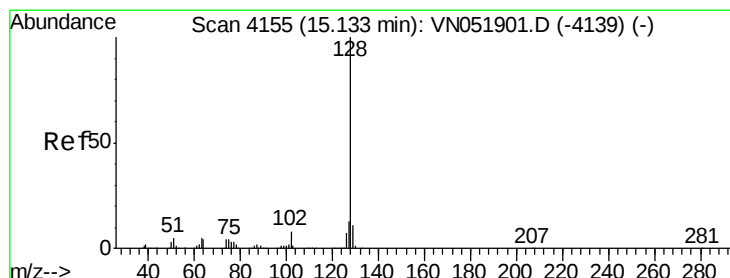
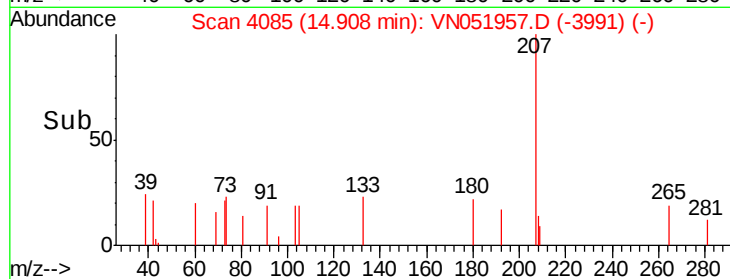
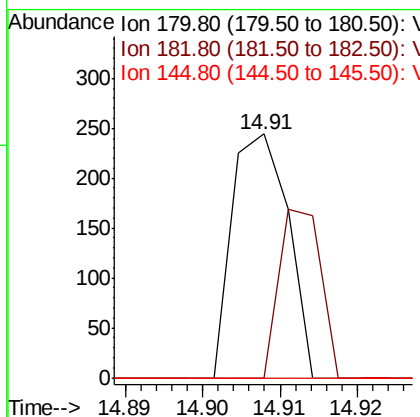
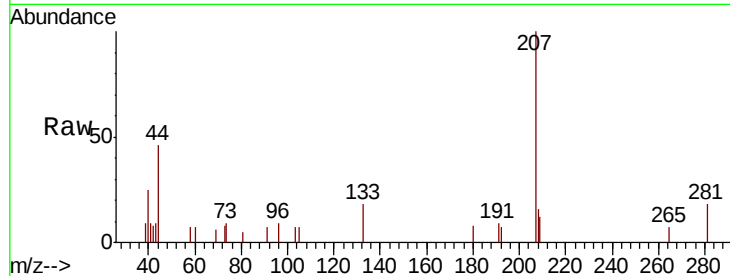




#93
 1,2,4-Trichlorobenzene
 Concen: 4.072 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051957.D
 Acq: 19 Oct 2018 19:21

Instrument :
 MSVOA_N
 ClientSampled :
 NL 7

Tot Ion	Ratio	Lower	Upper
180	100		
182	52.0	47.3	141.9
145	0.0	14.5	43.5#



#95
 Naphthalene
 Concen: 4.427 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN051957.D
 Acq: 19 Oct 2018 19:21

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.2	15.2
129	11.2	8.5	12.7

