

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051953.D
 Acq On : 19 Oct 2018 17:34
 Operator : MD\SY
 Sample : J5538-17 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 NL-7

Quant Time: Oct 19 23:09:52 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	966372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1418773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1312892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	666203	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	536138	59.84	ug/l	0.00
Spiked Amount			Recovery	=	119.68%	
35) Dibromofluoromethane	7.59	113	36837	4.08	ug/l	0.00
Spiked Amount			Recovery	=	8.16%	
50) Toluene-d8	10.09	98	1976454	60.21	ug/l	0.00
Spiked Amount			Recovery	=	120.42%	
62) 4-Bromofluorobenzene	12.40	95	630482	57.55	ug/l	0.00
Spiked Amount			Recovery	=	115.10%	

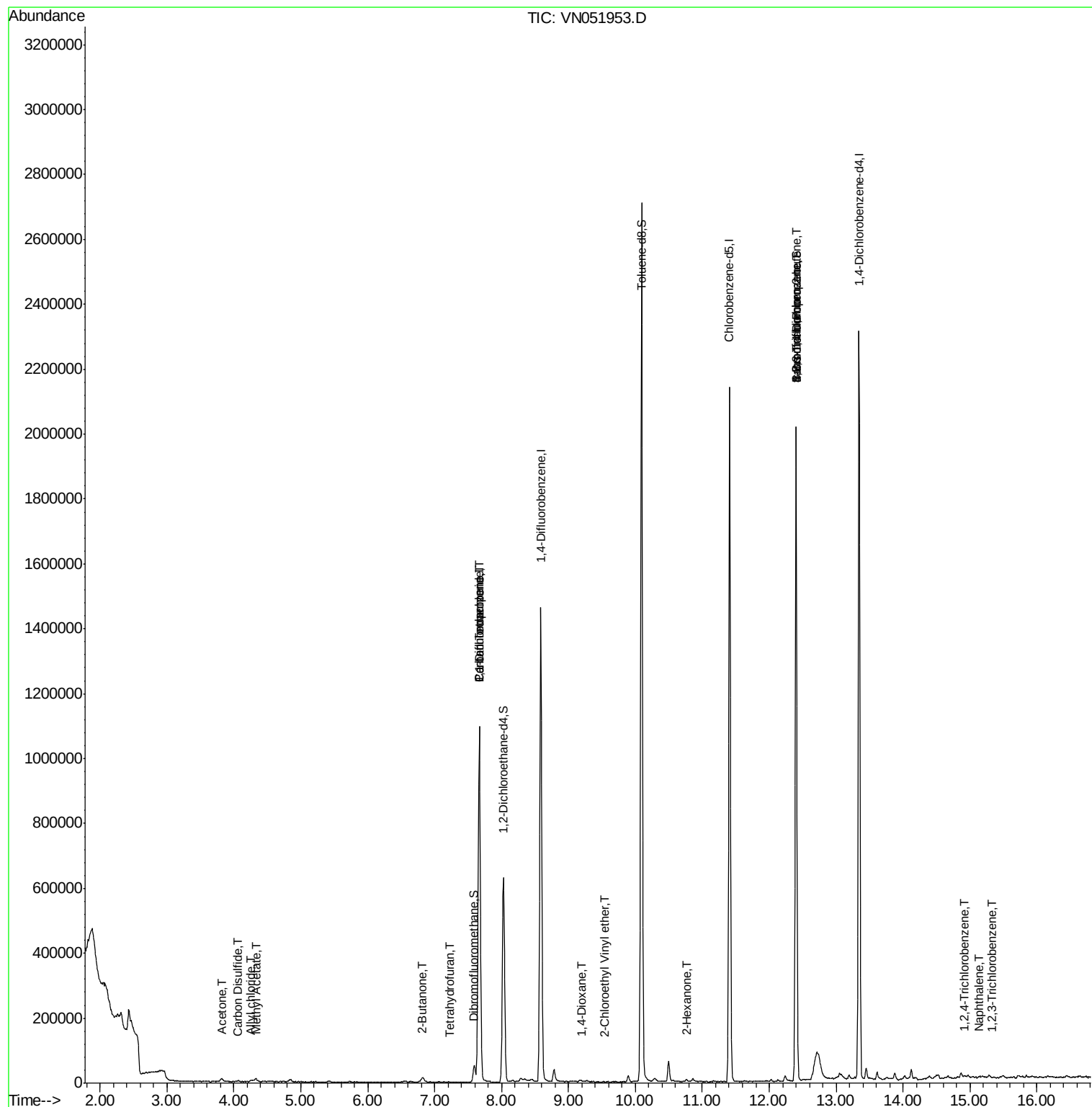
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	470	Below Cal	#	11
13) Acrolein	3.60	56	115	Below Cal	#	1
14) Allyl chloride	4.26	41	8997	1.194	ug/l #	17
16) Acetone	3.82	43	19315	12.176	ug/l	95
17) Carbon Disulfide	4.07	76	3692	0.213	ug/l #	92
18) Methyl Acetate	4.32	43	16286	0.684	ug/l	99
25) 2-Butanone	6.83	43	4256	1.877	ug/l #	74
29) Tetrahydrofuran	7.23	42	478	0.345	ug/l #	75
31) Cyclohexane	7.66	56	17288	Below Cal	#	38
36) 1,1-Dichloropropene	7.66	75	59807	5.431	ug/l #	46
37) Ethyl Acetate	6.91	43	133	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	88447	6.821	ug/l #	16
43) Isopropyl Acetate	8.16	43	5899	Below Cal	#	78
49) 1,4-Dioxane	9.20	88	278	3.293	ug/l #	65
58) 2-Chloroethyl Vinyl ether	9.53	63	104	2.776	ug/l #	40
59) 2-Hexanone	10.76	43	2785	0.810	ug/l #	56
71) Bromoform	12.40	173	5467	3.930	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	320287	39.555	ug/l #	100
79) 2-Chlorotoluene	12.76	91	184	Below Cal		79
81) trans-1,4-Dichloro-2-buten	12.40	75	320287	130.022	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.90	180	182	4.077	ug/l #	12
95) Naphthalene	15.13	128	3269	4.199	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.32	180	31	2.916	ug/l #	12

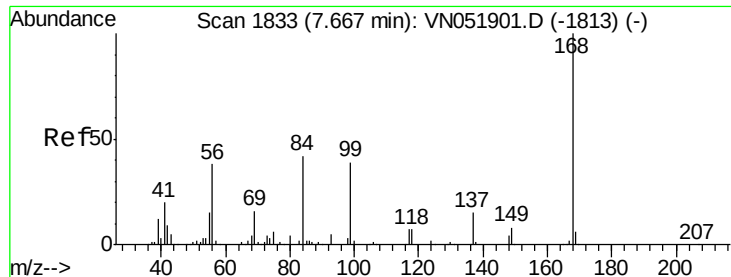
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101918\
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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: VN051953.D

Acq: 19 Oct 2018 17:34

Instrument :

MSVOA_N

ClientSampled :

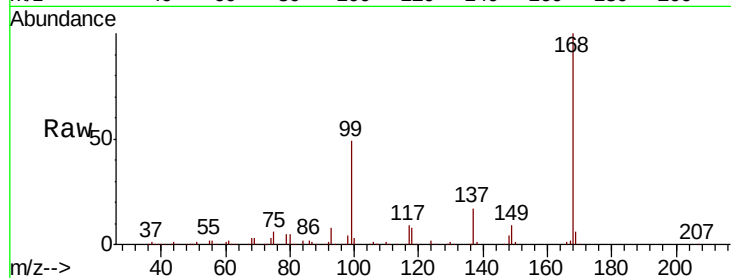
NL-7

Tot Ion:168 Resp: 966372

Ion Ratio Lower Upper

168 100

99 48.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

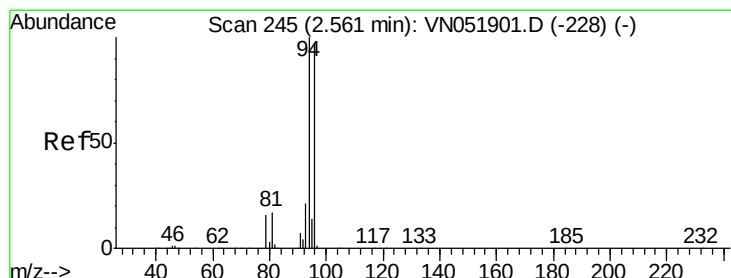
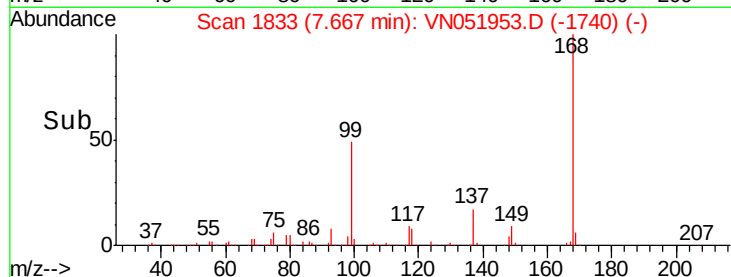
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN051953.D

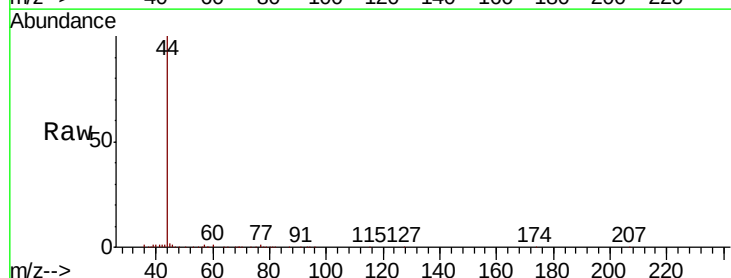
Acq: 19 Oct 2018 17:34

Tgt Ion: 94 Resp: 470

Ion Ratio Lower Upper

94 100

96 9.2 77.5 116.3#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

500

400

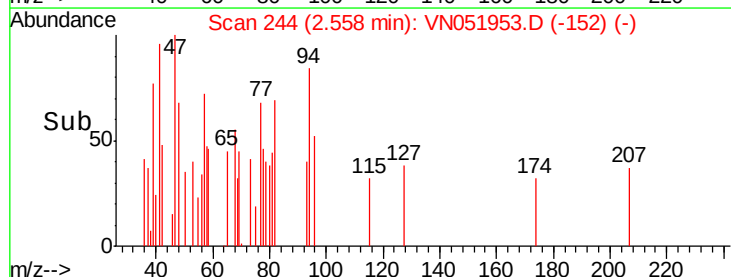
300

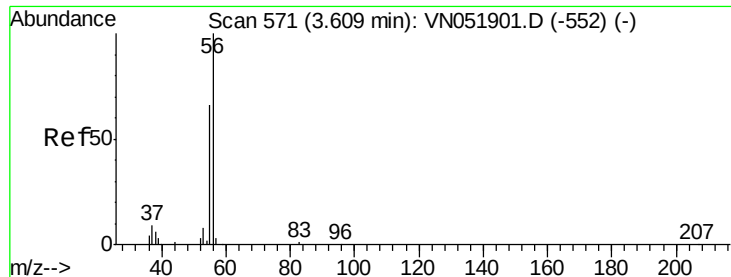
200

100

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN051953.D

Acq: 19 Oct 2018 17:34

Instrument :

MSVOA_N

ClientSampled :

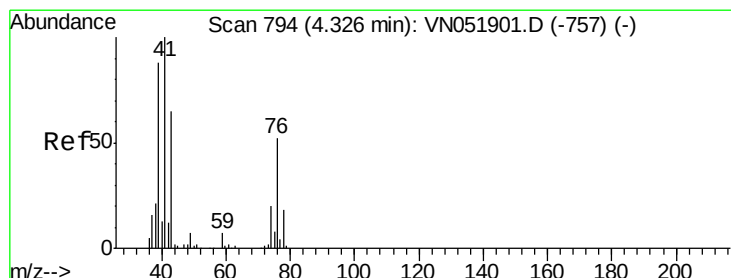
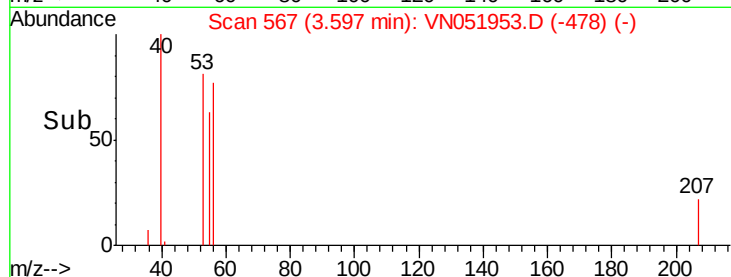
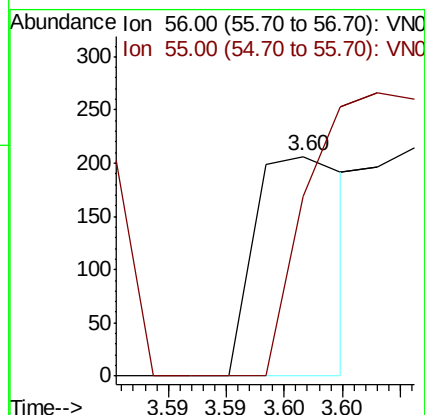
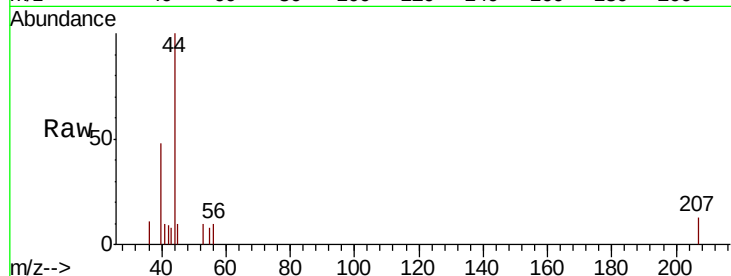
NL-7

Tot Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 239.1 56.7 85.1#



#14

Allyl chloride

Concen: 1.194 ug/l

RT: 4.26 min Scan# 772

Delta R.T. -0.07 min

Lab File: VN051953.D

Acq: 19 Oct 2018 17:34

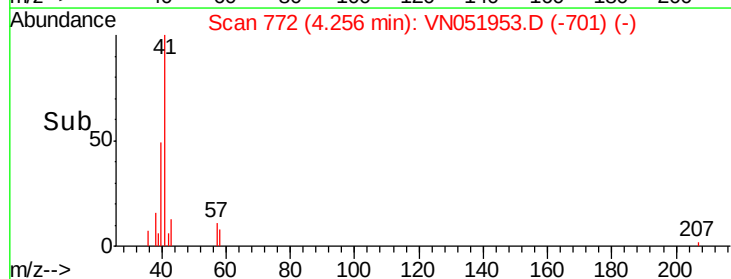
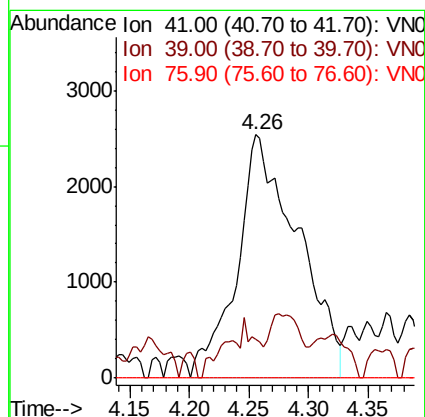
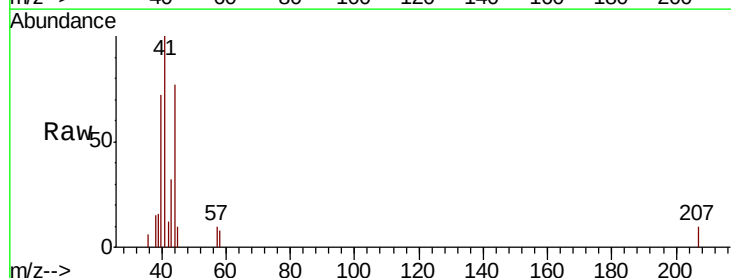
Tgt Ion: 41 Resp: 8997

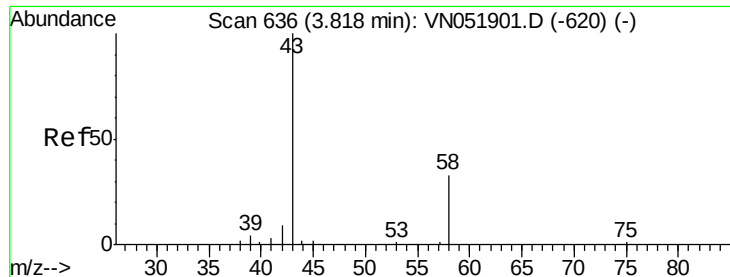
Ion Ratio Lower Upper

41 100

39 1.7 65.4 98.0#

76 0.0 39.6 59.4#





#16

Acetone

Concen: 12.176 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051953.D

Acq: 19 Oct 2018 17:34

Instrument :

MSVOA_N

ClientSampled :

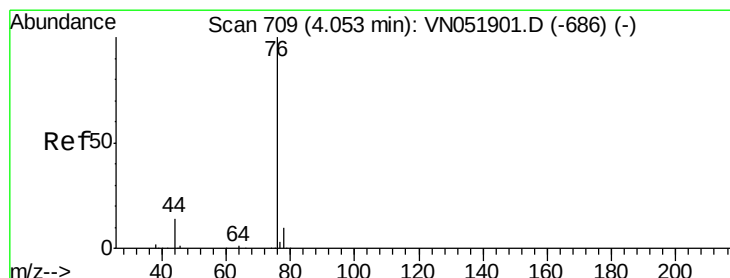
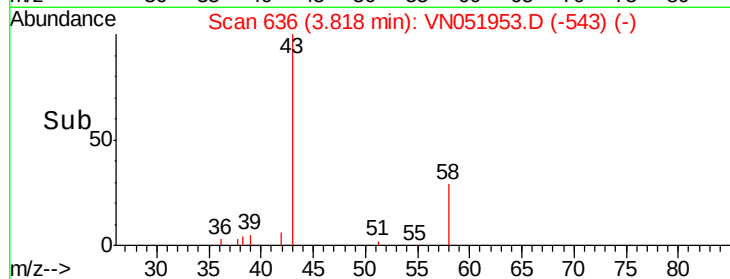
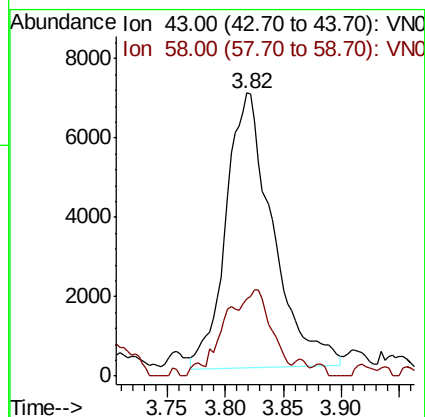
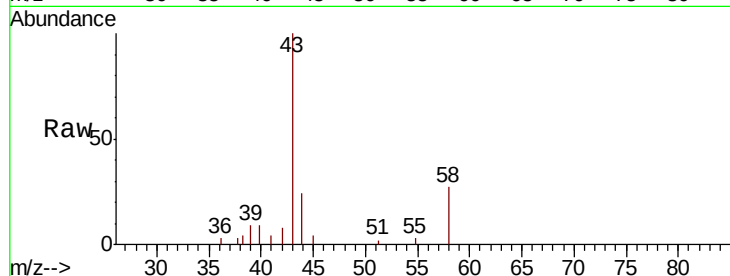
NL-7

Tot Ion: 43 Resp: 19315

Ion Ratio Lower Upper

43 100

58 29.4 25.9 38.9



#17

Carbon Disulfide

Concen: 0.213 ug/l

RT: 4.07 min Scan# 713

Delta R.T. 0.01 min

Lab File: VN051953.D

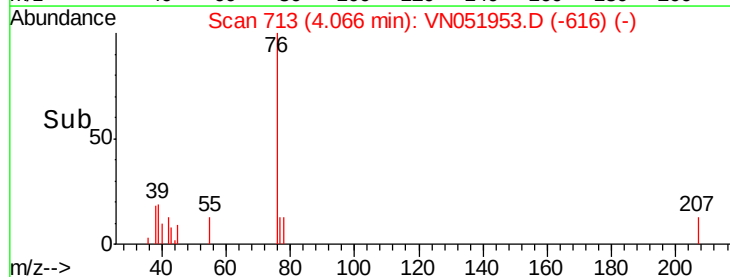
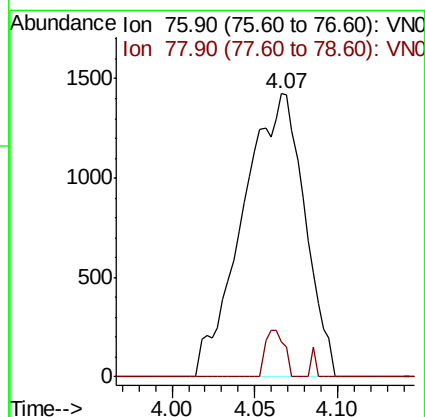
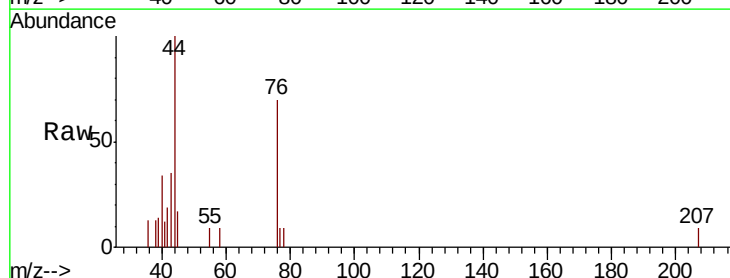
Acq: 19 Oct 2018 17:34

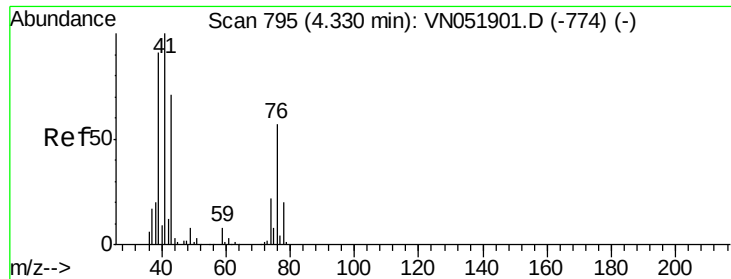
Tgt Ion: 76 Resp: 3692

Ion Ratio Lower Upper

76 100

78 12.6 7.6 11.4#

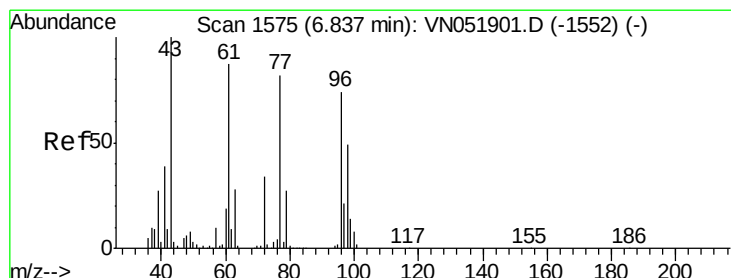
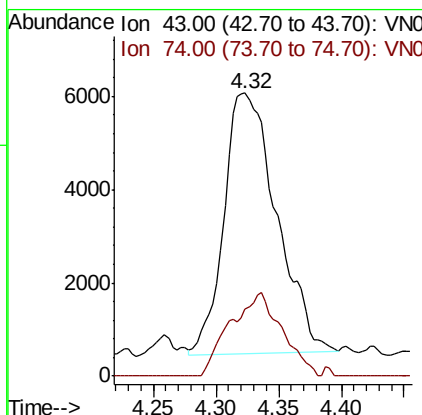
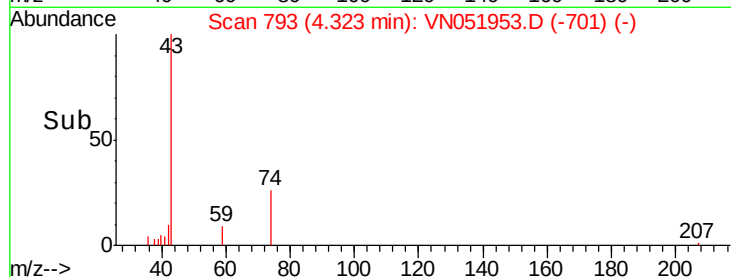
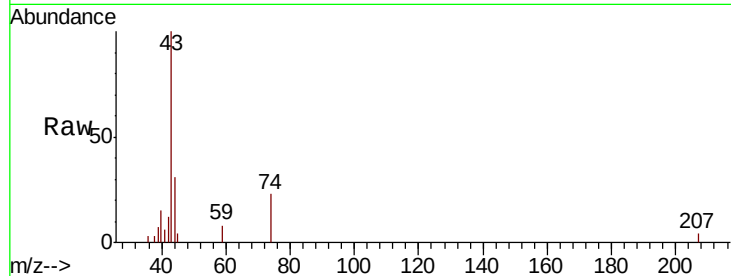




#18
Methyl Acetate
Concen: 0.684 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051953.D
Acq: 19 Oct 2018 17:34

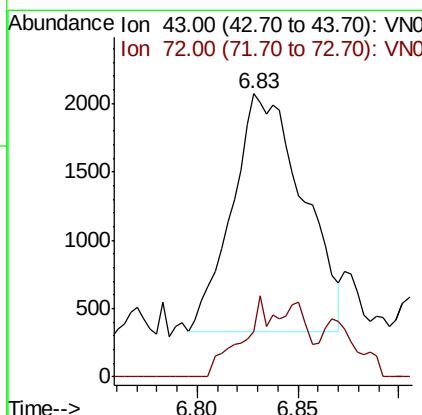
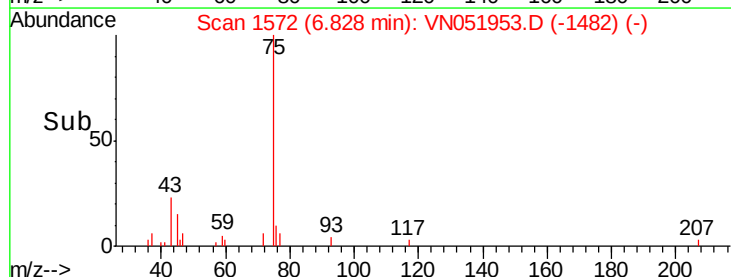
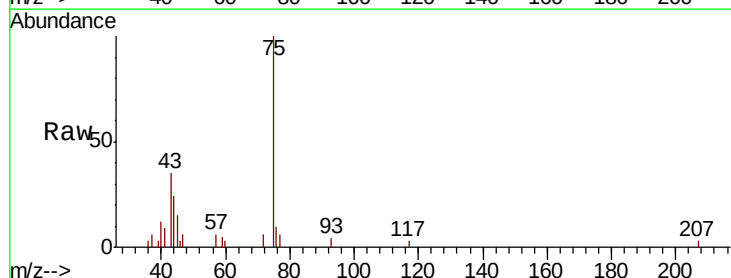
Instrument :
MSVOA_N
ClientSampleId :
NL-7

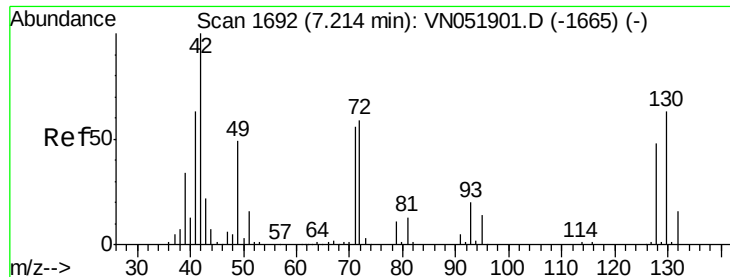
Tot Ion: 43 Resp: 16286
Ion Ratio Lower Upper
43 100
74 31.5 24.9 37.3



#25
2-Butanone
Concen: 1.877 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VN051953.D
Acq: 19 Oct 2018 17:34

Tgt Ion: 43 Resp: 4256
Ion Ratio Lower Upper
43 100
72 18.9 27.0 40.6#





#29

Tetrahydrofuran

Concen: 0.345 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN051953.D

Acq: 19 Oct 2018 17:34

Instrument :

MSVOA_N

ClientSampleId :

NL-7

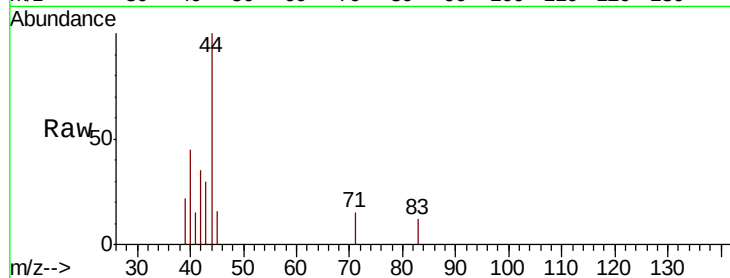
Tot Ion: 42 Resp: 478

Ion Ratio Lower Upper

42 100

72 66.5 47.7 71.5

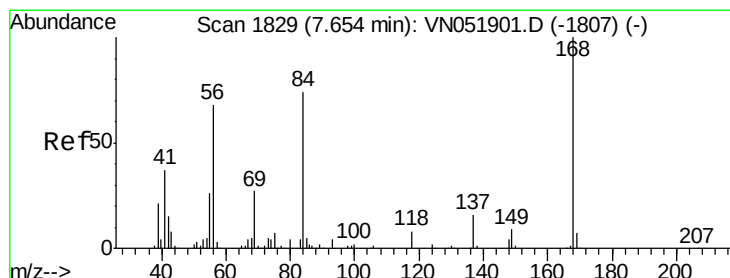
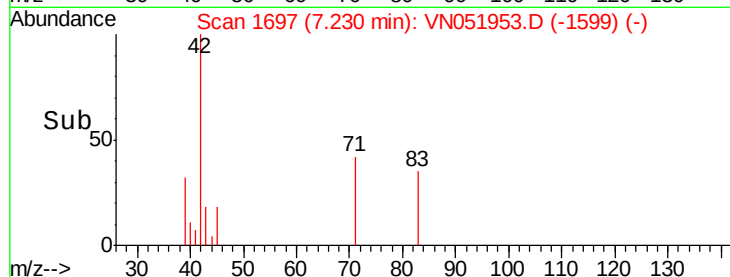
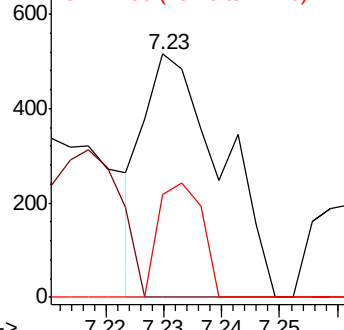
71 26.6 45.4 68.0#



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: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051953.D

Acq: 19 Oct 2018 17:34

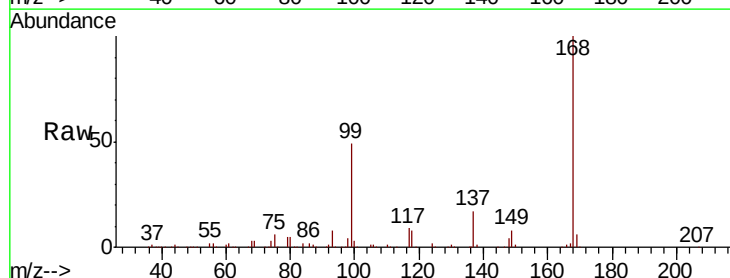
Tgt Ion: 56 Resp: 17288

Ion Ratio Lower Upper

56 100

69 164.4 31.2 46.8#

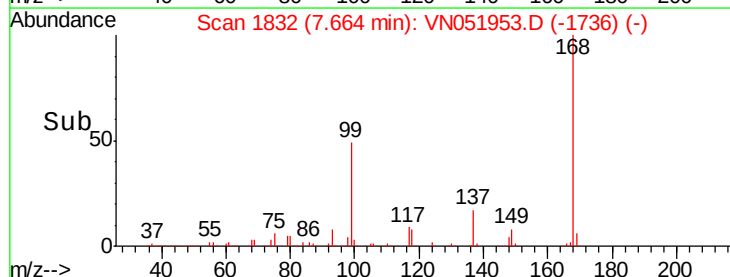
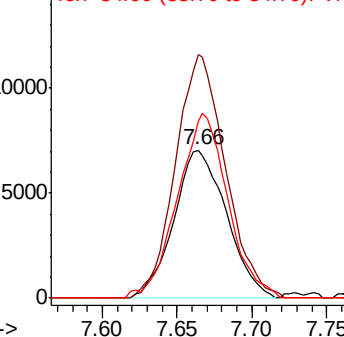
84 119.2 86.6 130.0

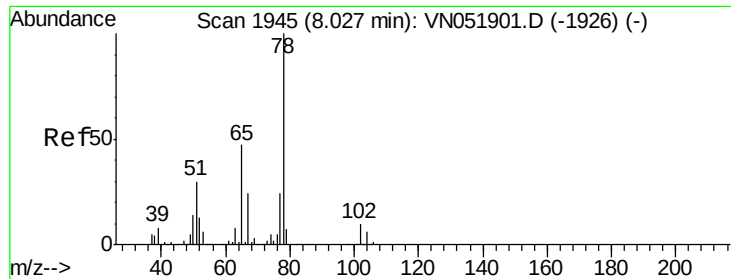


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

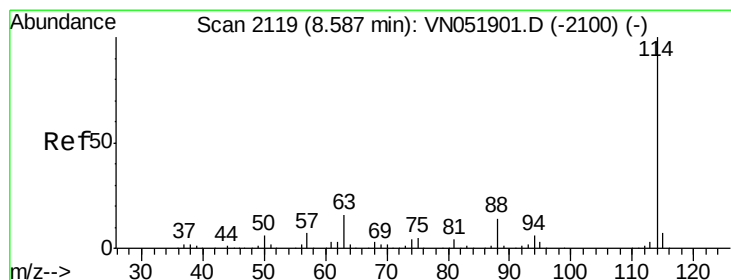
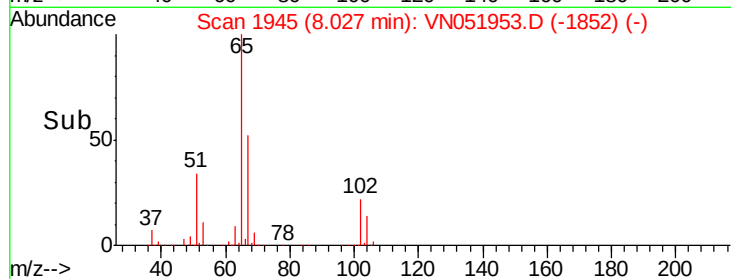
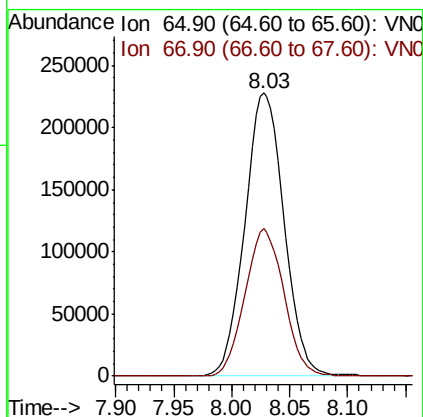
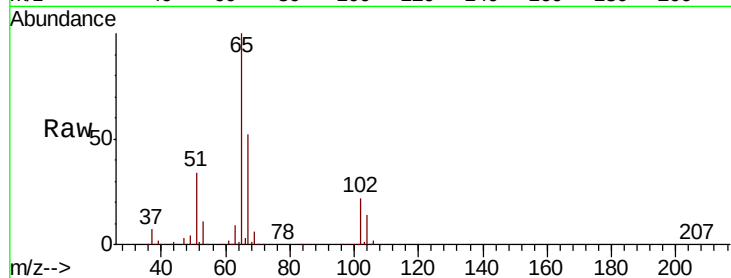




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051953.D
 Acq: 19 Oct 2018 17:34

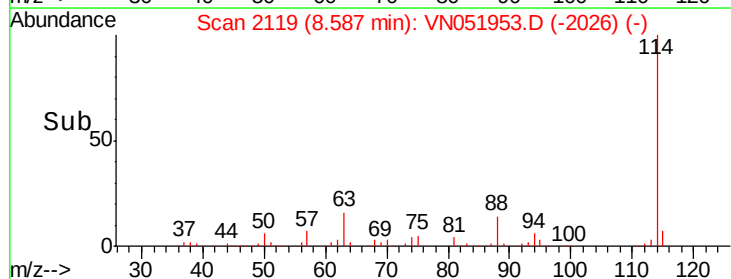
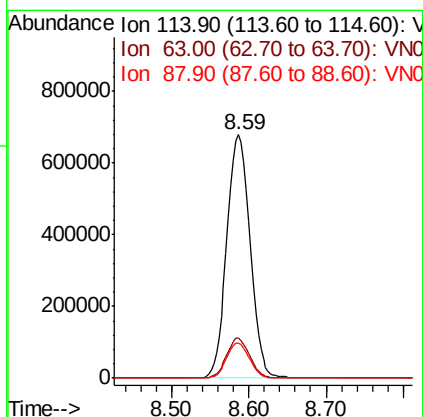
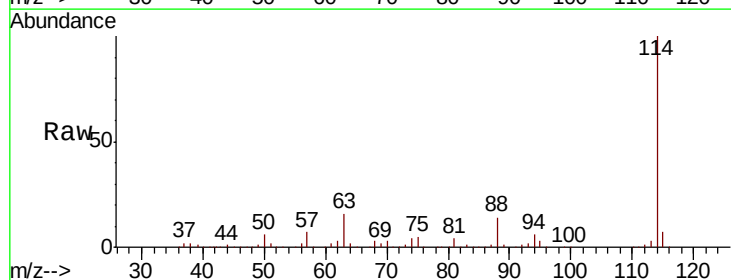
Instrument :
 MSVOA_N
 ClientSampled :
 NL-7

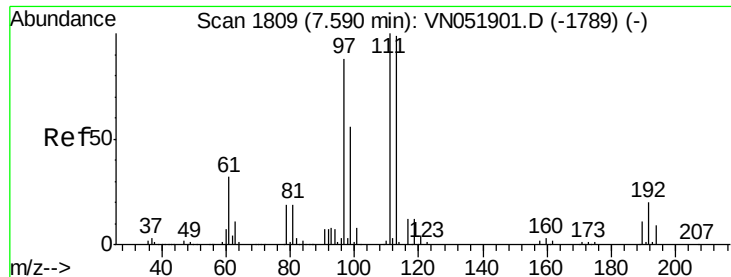
Tot Ion: 65 Resp: 536138
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051953.D
 Acq: 19 Oct 2018 17:34

Tgt Ion: 114 Resp: 1418773
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 31.8
 88 14.3 0.0 28.0

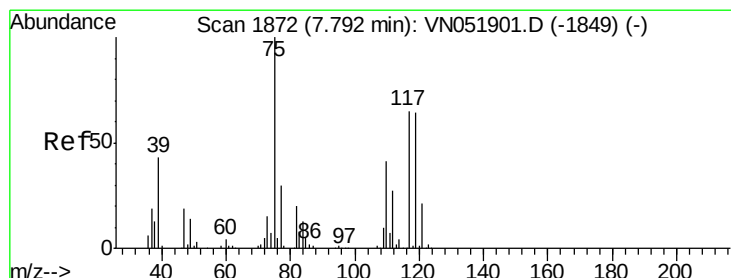
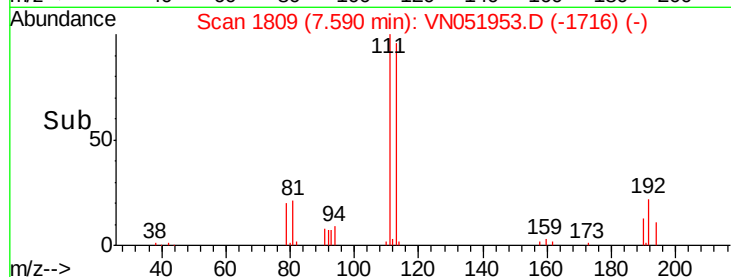
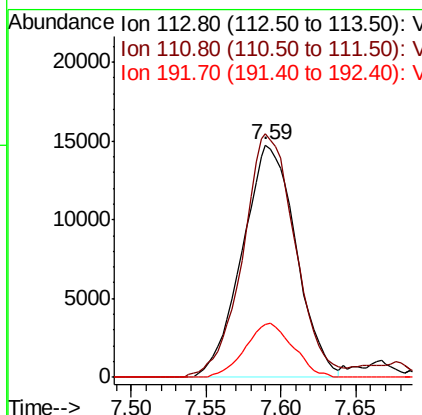
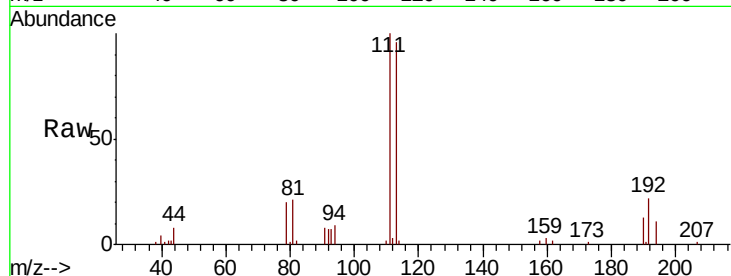




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN051953.D
Acq: 19 Oct 2018 17:34

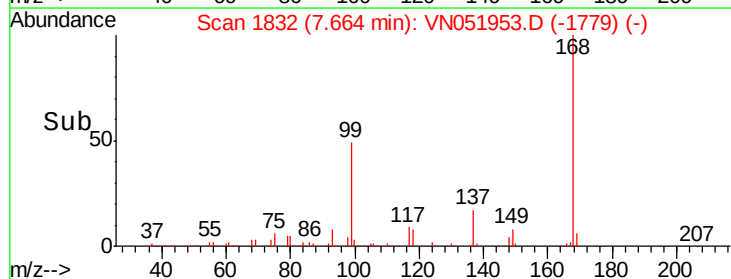
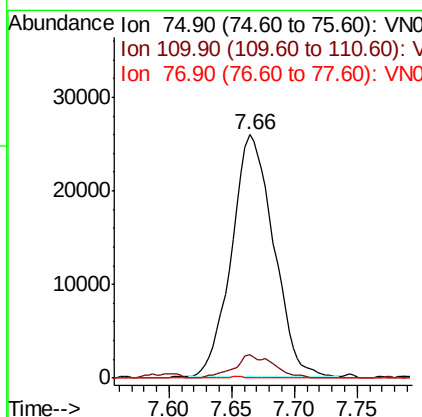
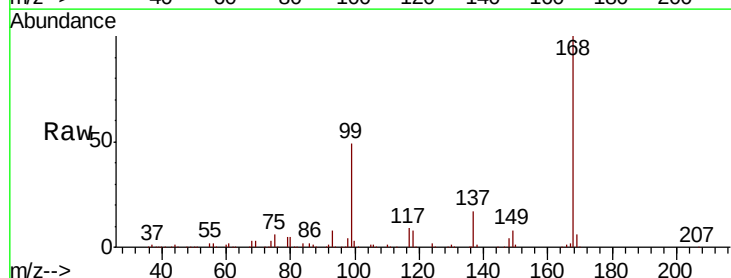
Instrument :
MSVOA_N
ClientSampleId :
NL-7

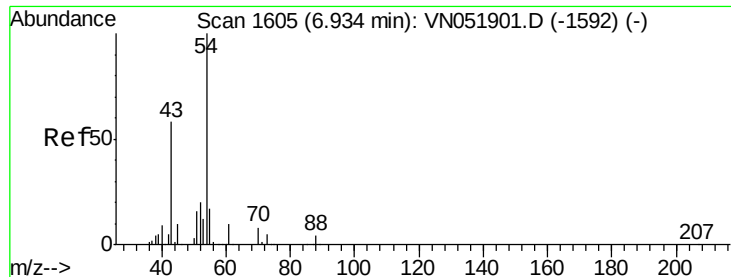
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	20.7	17.3	25.9



#36
1,1-Dichloropropene
Concen: 5.431 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN051953.D
Acq: 19 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	21.0	63.0#
77	0.2	24.9	37.3#





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.91 min Scan# 1596

Delta R.T. -0.03 min

Lab File: VN051953.D

Acq: 19 Oct 2018 17:34

Instrument :

MSVOA_N

ClientSampleId :

NL-7

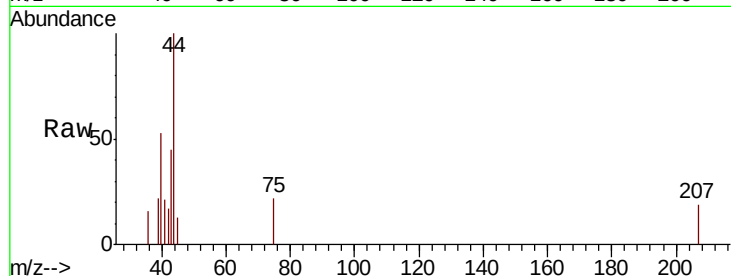
Tot Ion: 43 Resp: 133

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

70 0.0 10.4 15.6#



Abundance Ion 43.00 (42.70 to 43.70): VN051901.D (-1592) (-)

Ion 60.90 (60.60 to 61.60): VN051901.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN051901.D (-1592) (-)

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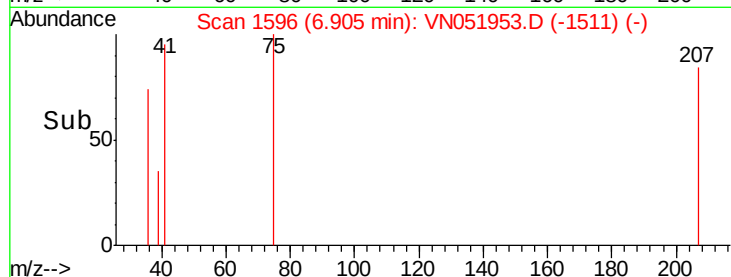
6.91

6.91

6.91

6.91

6.91



#38

Carbon Tetrachloride

Concen: 6.821 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051953.D

Acq: 19 Oct 2018 17:34

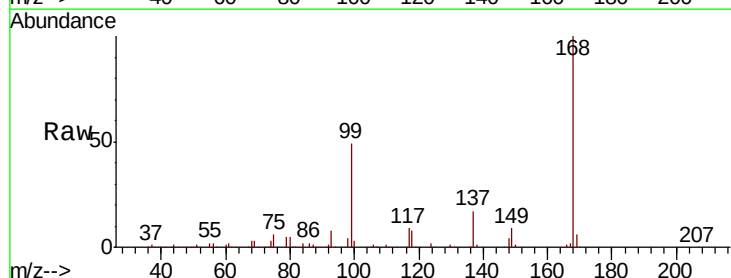
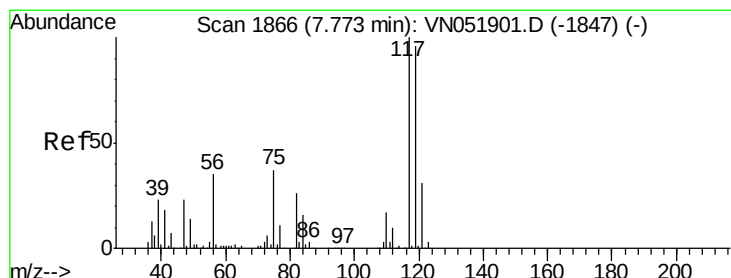
Tgt Ion: 117 Resp: 88447

Ion Ratio Lower Upper

117 100

119 5.2 77.0 115.6#

121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN051901.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN051901.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN051901.D (-1847) (-)

7.67

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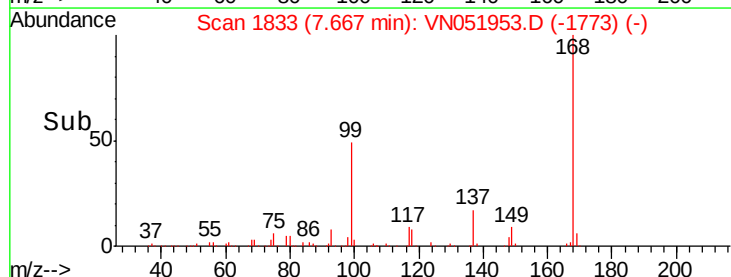
7.67

7.67

7.67

7.67

7.67



#39

Carbon Tetrachloride

Concen: 6.821 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051953.D

Acq: 19 Oct 2018 17:34

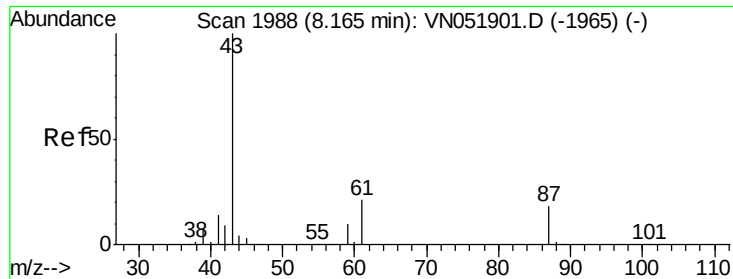
Tgt Ion: 117 Resp: 88447

Ion Ratio Lower Upper

117 100

119 5.2 77.0 115.6#

121 0.0 25.1 37.7#

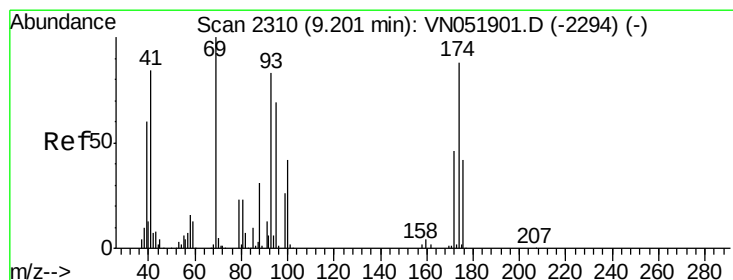
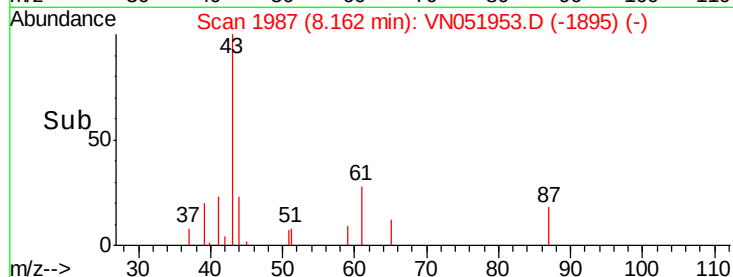
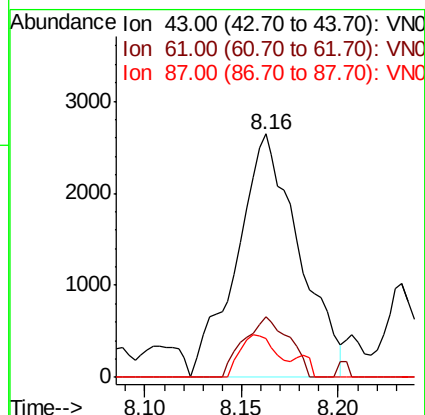
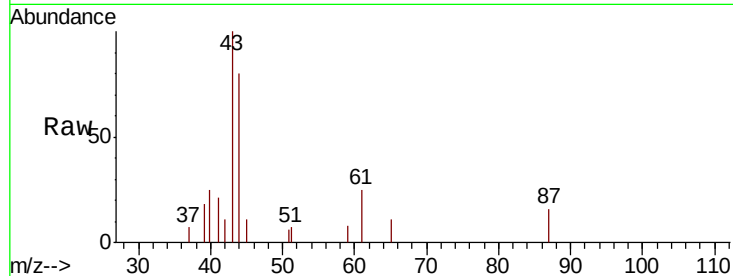


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN051953.D
 Acq: 19 Oct 2018 17:34

Instrument :
 MSVOA_N
 ClientSampled :
 NL-7

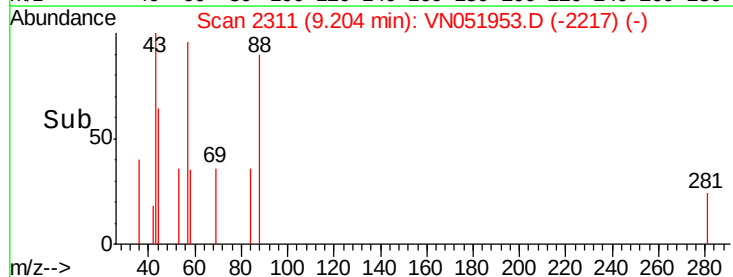
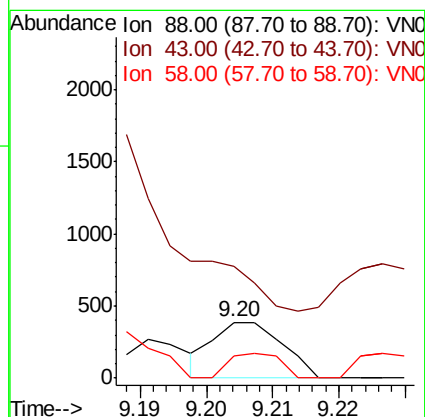
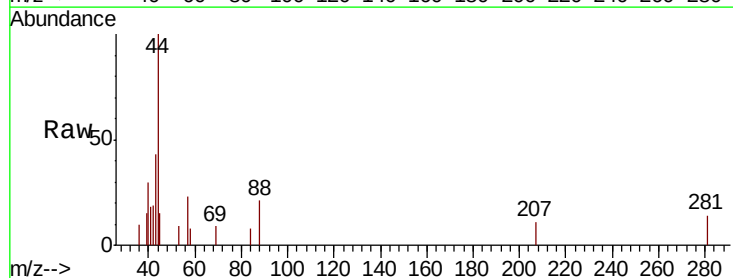
Tot Ion: 43 Resp: 5899
 Ion Ratio Lower Upper
 43 100
 61 18.0 24.9 37.3#
 87 10.3 14.6 22.0#

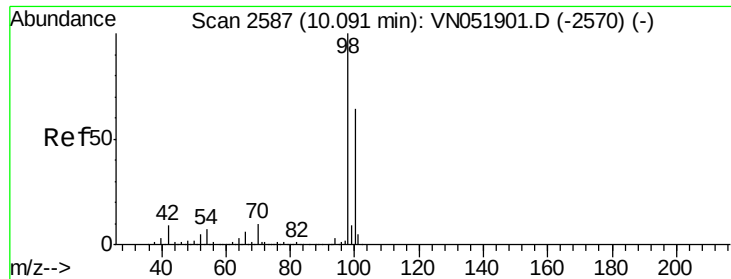


#49

1,4-Dioxane
 Concen: 3.293 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN051953.D
 Acq: 19 Oct 2018 17:34

Tgt Ion: 88 Resp: 278
 Ion Ratio Lower Upper
 88 100
 43 0.0 19.7 29.5#
 58 33.1 42.6 64.0#

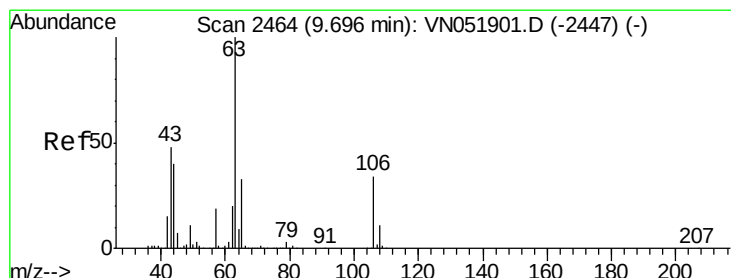
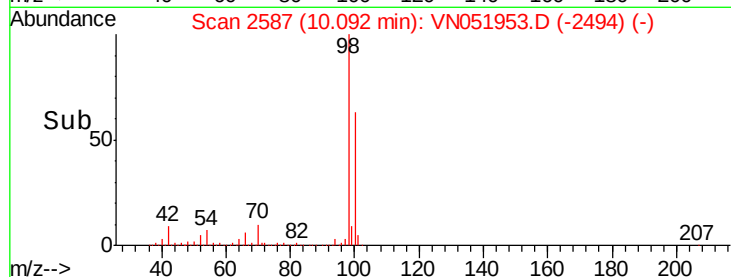
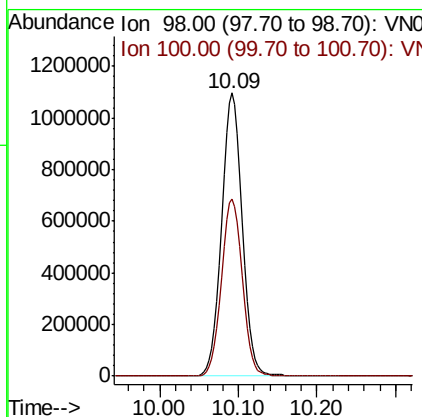
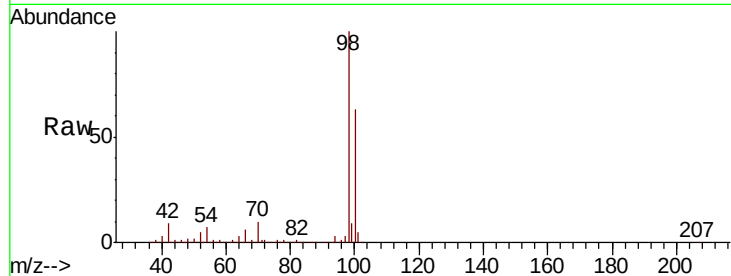




#50
Toluene-d8
Concen: 3.293 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051953.D
Acq: 19 Oct 2018 17:34

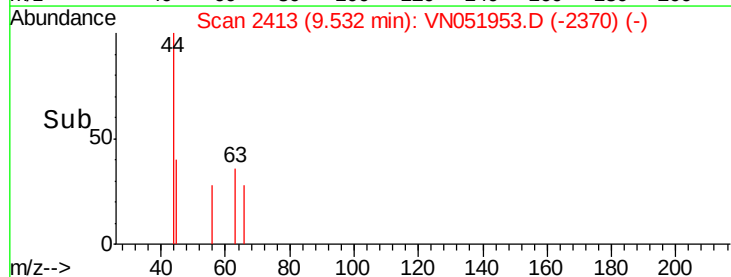
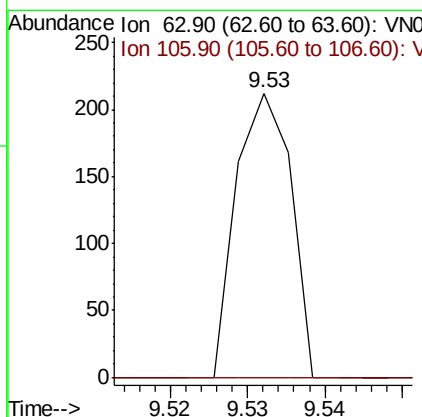
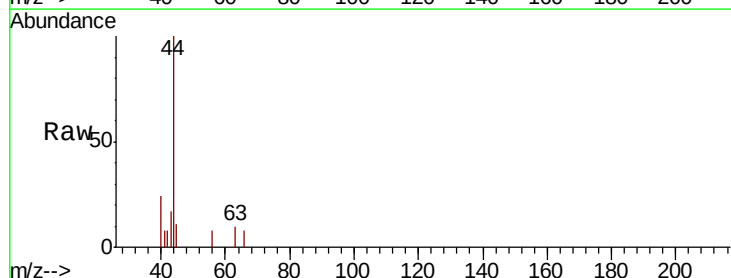
Instrument :
MSVOA_N
ClientSampled :
NL-7

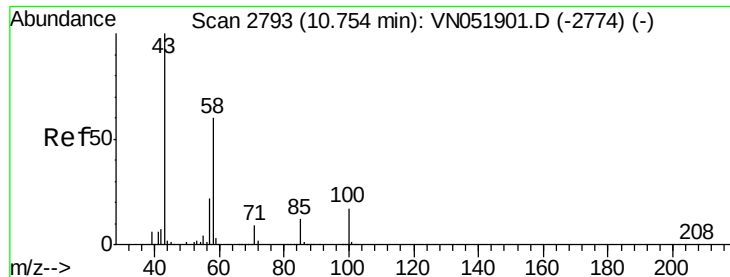
Tot Ion: 98 Resp: 1976454
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.4



#58
2-Chloroethyl Vinyl ether
Concen: 2.776 ug/l
RT: 9.53 min Scan# 2413
Delta R.T. -0.16 min
Lab File: VN051953.D
Acq: 19 Oct 2018 17:34

Tgt Ion: 63 Resp: 104
Ion Ratio Lower Upper
63 100
106 0.0 27.5 41.3#

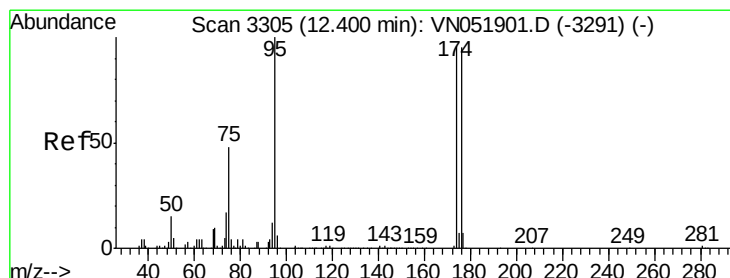
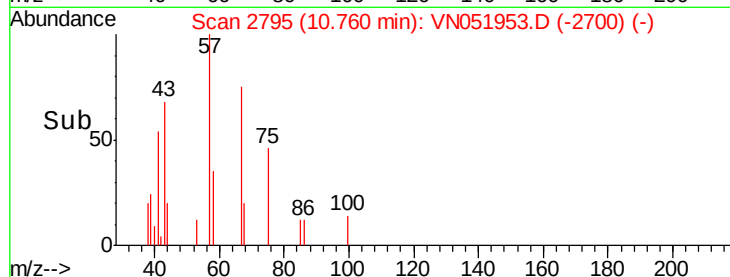
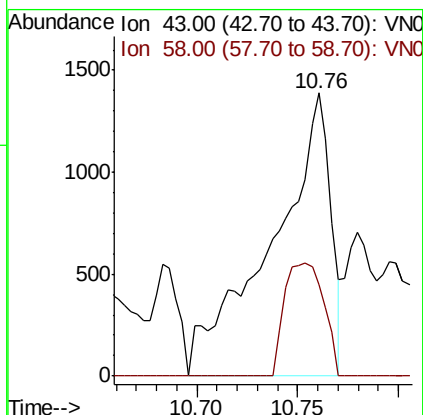
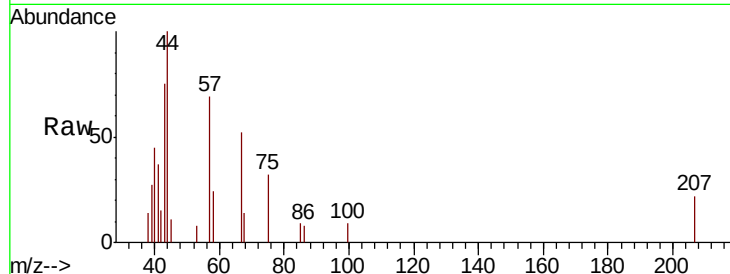




#59
2-Hexanone
Concen: 0.810 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN051953.D
Acq: 19 Oct 2018 17:34

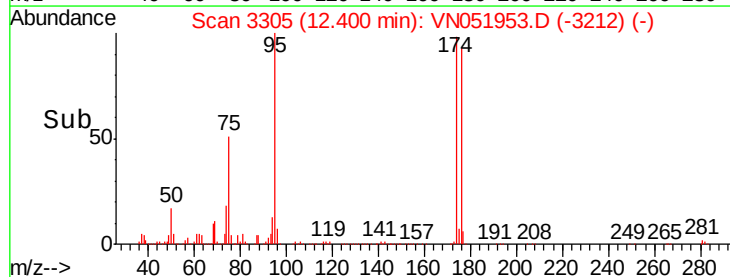
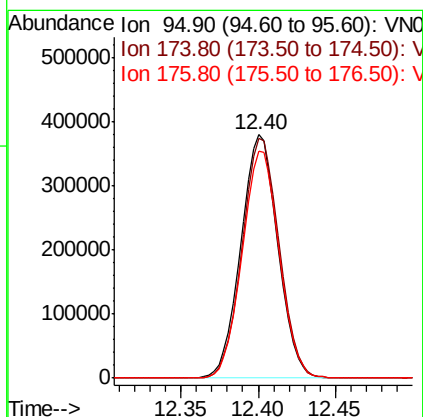
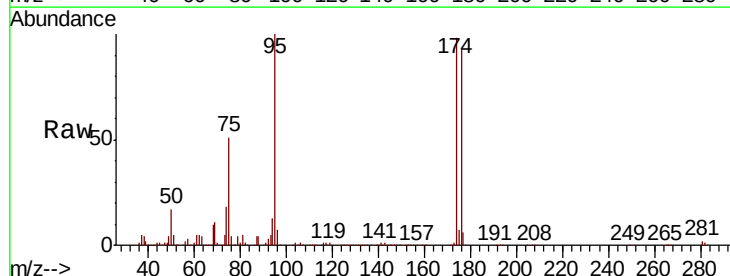
Instrument :
MSVOA_N
ClientSampled :
NL-7

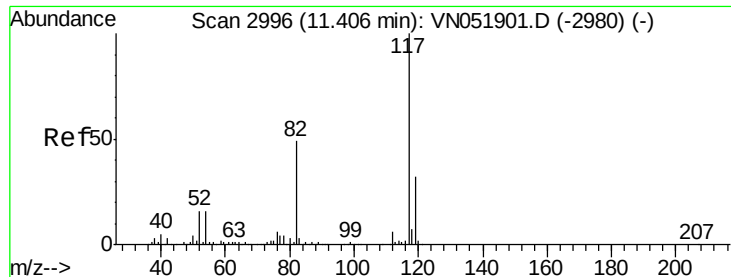
Tot Ion: 43 Resp: 2785
Ion Ratio Lower Upper
43 100
58 26.5 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051953.D
Acq: 19 Oct 2018 17:34

Tgt Ion: 95 Resp: 630482
Ion Ratio Lower Upper
95 100
174 98.7 0.0 195.0
176 93.9 0.0 191.4

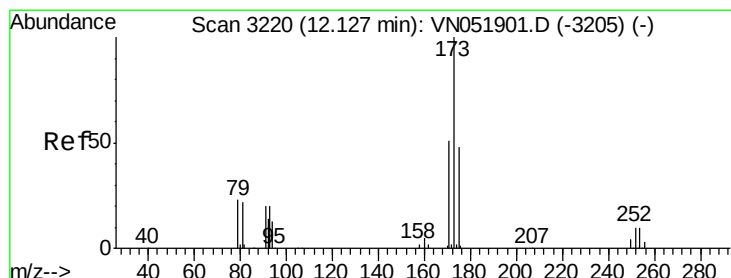
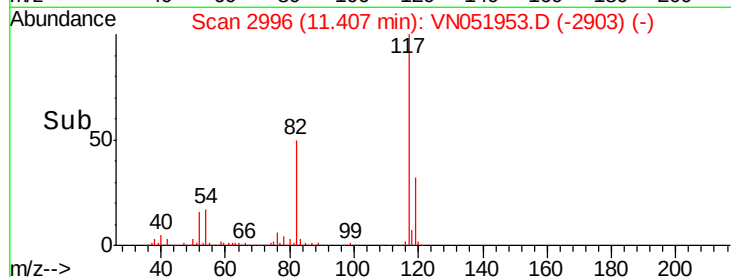
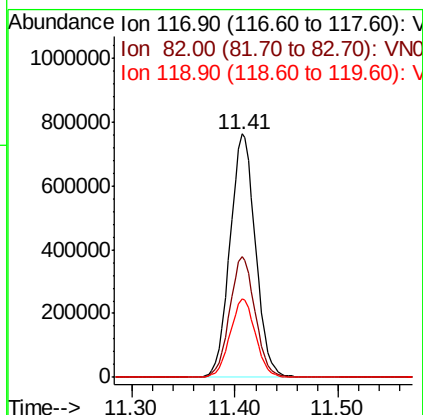
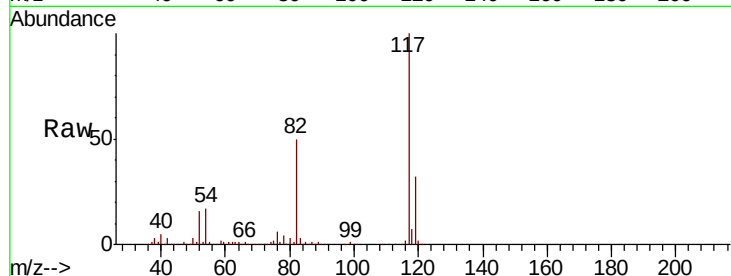




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051953.D
Acq: 19 Oct 2018 17:34

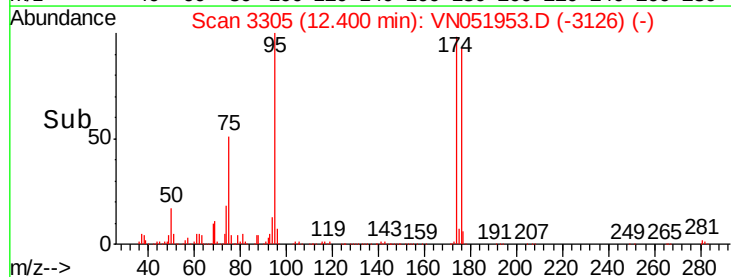
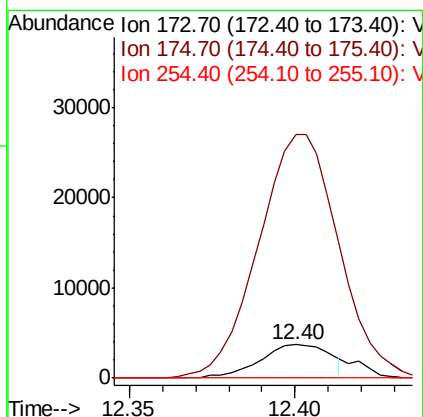
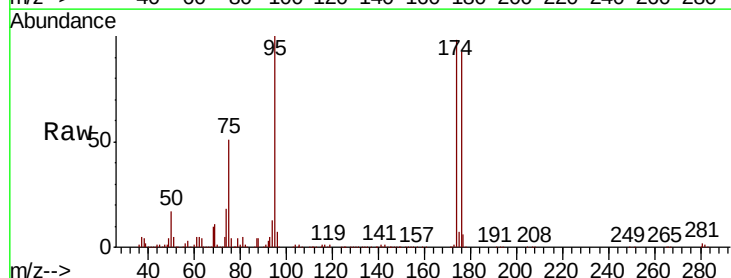
Instrument :
MSVOA_N
ClientSampled :
NL-7

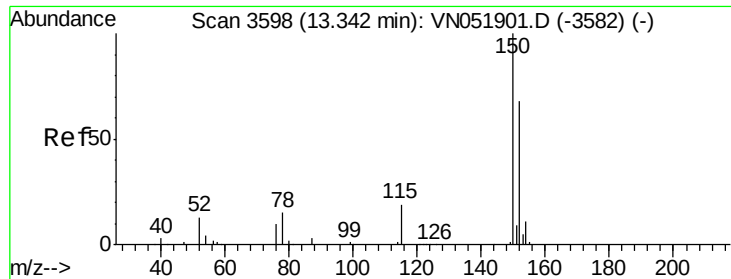
Tot Ion:117 Resp: 1312892
Ion Ratio Lower Upper
117 100
82 49.8 38.9 58.3
119 32.3 25.9 38.9



#71
Bromoform
Concen: 3.930 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051953.D
Acq: 19 Oct 2018 17:34

Tgt Ion:173 Resp: 5467
Ion Ratio Lower Upper
173 100
175 741.4 24.0 72.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051953.D

Acq: 19 Oct 2018 17:34

Instrument :

MSVOA_N

ClientSampled :

NL-7

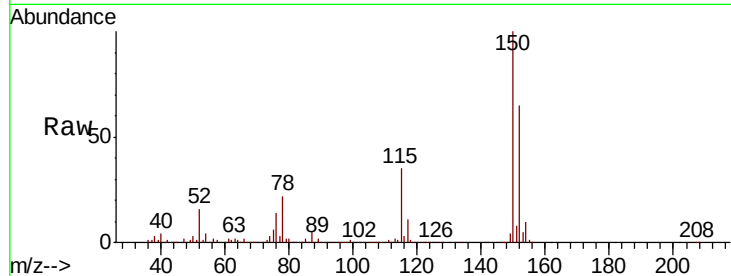
Tot Ion:152 Resp: 666203

Ion Ratio Lower Upper

152 100

115 54.4 26.7 80.1

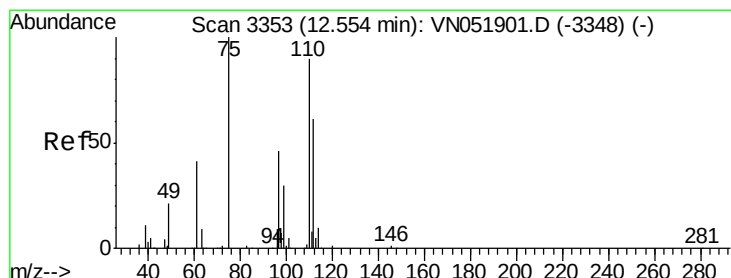
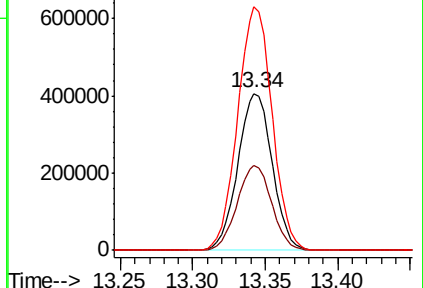
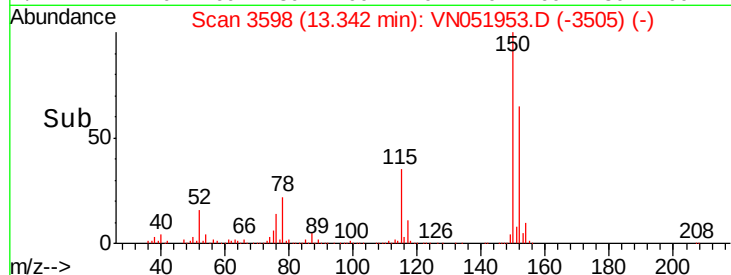
150 156.1 0.0 346.4



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: 39.555 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051953.D

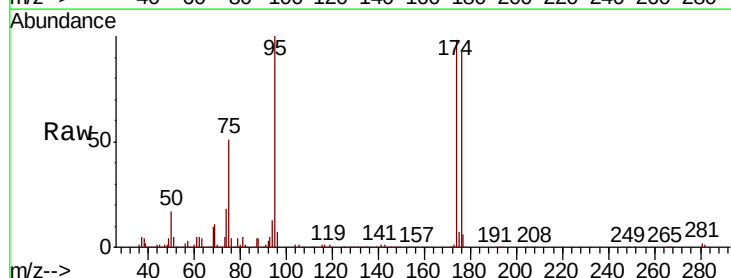
Acq: 19 Oct 2018 17:34

Tgt Ion: 75 Resp: 320287

Ion Ratio Lower Upper

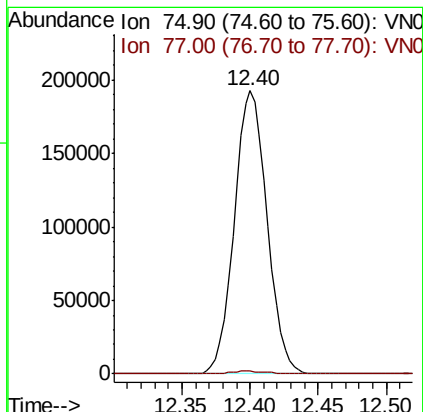
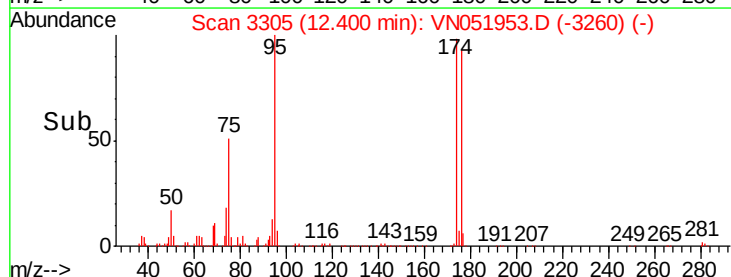
75 100

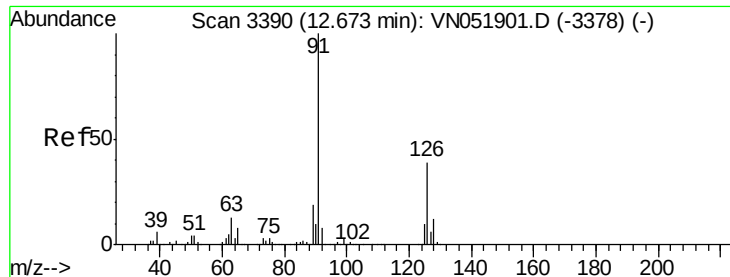
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.76 min Scan# 3418

Delta R.T. 0.09 min

Lab File: VN051953.D

Acq: 19 Oct 2018 17:34

Instrument :

MSVOA_N

ClientSampleId :

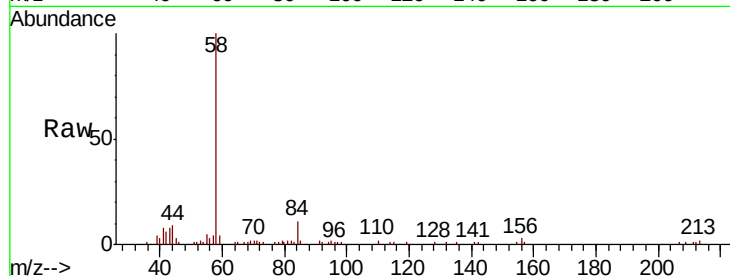
NL-7

Tot Ion: 91 Resp: 184

Ion Ratio Lower Upper

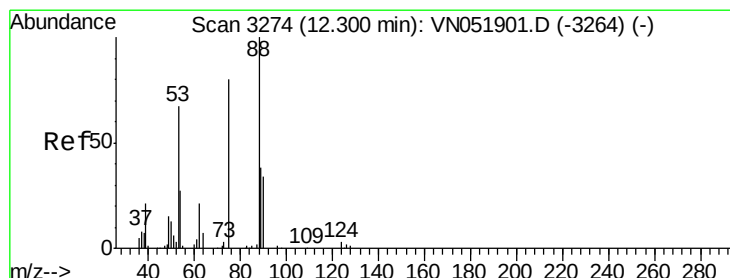
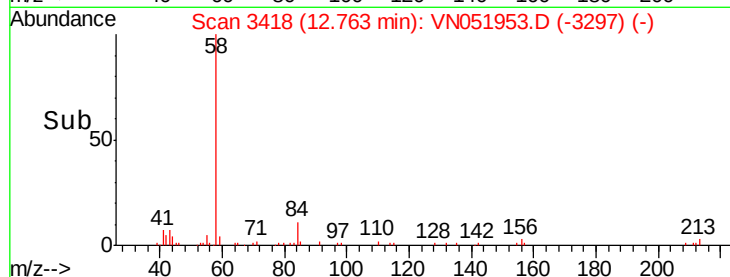
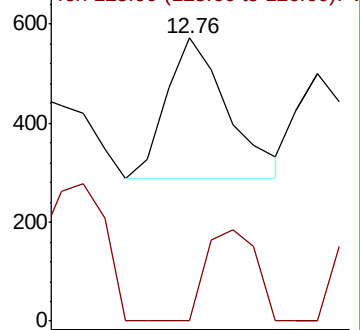
91 100

126 52.2 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: 130.022 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051953.D

Acq: 19 Oct 2018 17:34

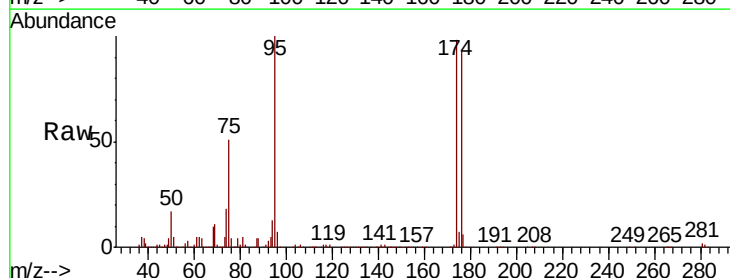
Tgt Ion: 75 Resp: 320287

Ion Ratio Lower Upper

75 100

53 0.1 68.5 102.7#

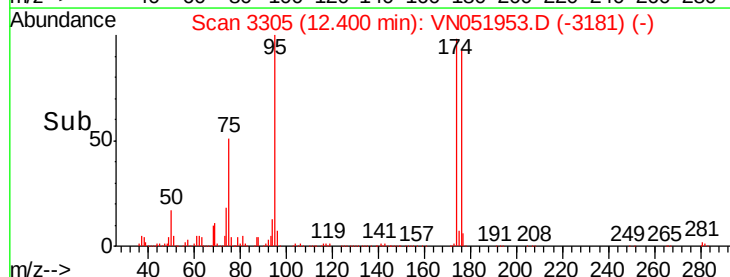
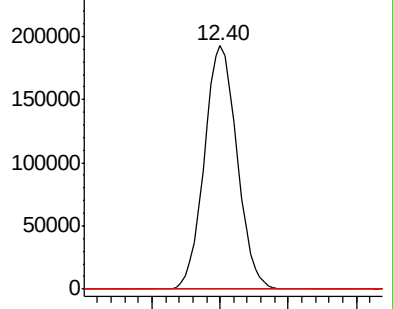
89 0.0 39.0 58.6#

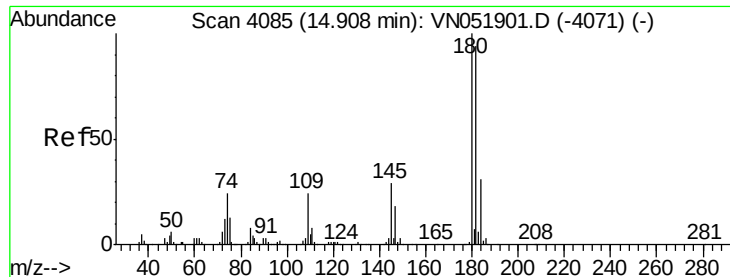


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

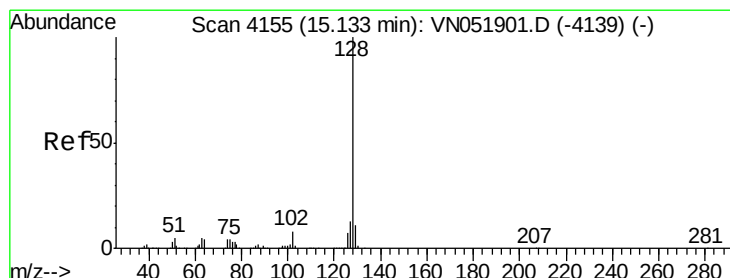
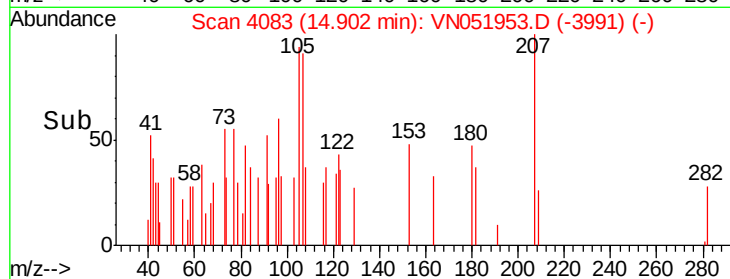
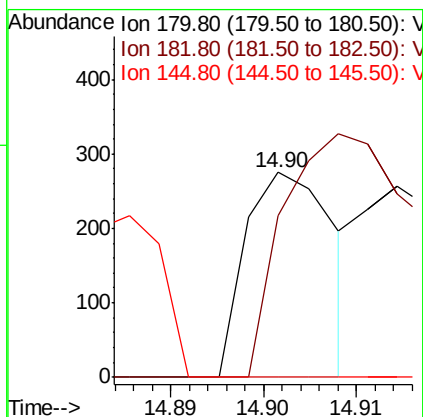
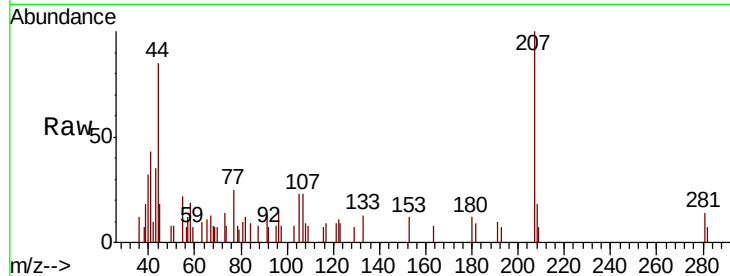




#93
 1,2,4-Trichlorobenzene
 Concen: 4.077 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.01 min
 Lab File: VN051953.D
 Acq: 19 Oct 2018 17:34

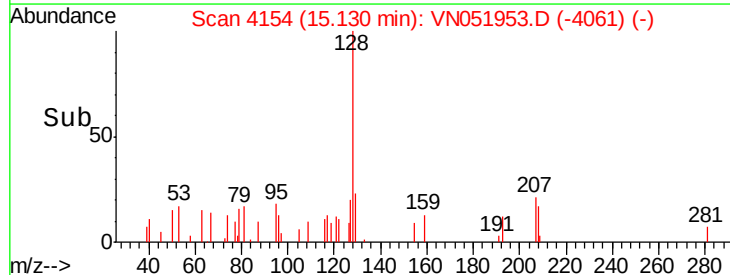
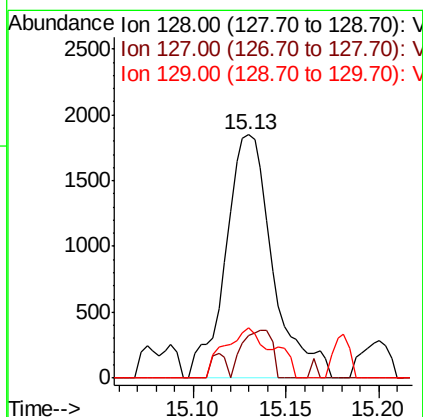
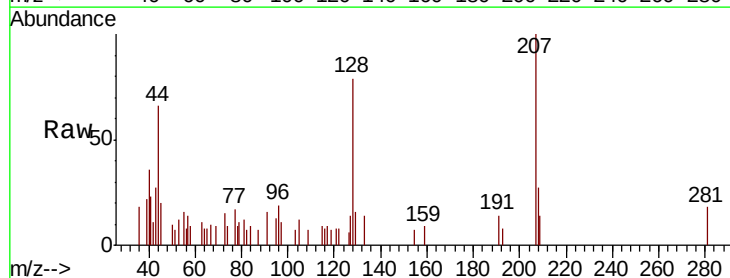
Instrument :
 MSVOA_N
 ClientSampled :
 NL-7

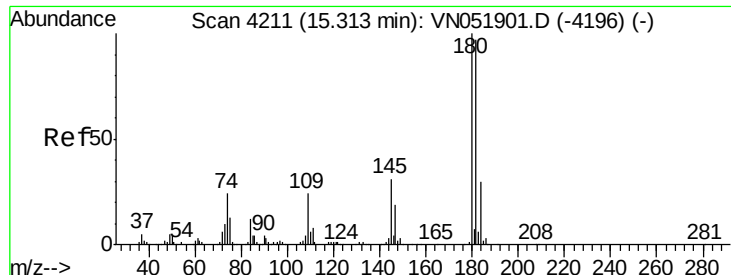
Tot Ion:180 Resp: 182
 Ion Ratio Lower Upper
 180 100
 182 190.1 47.3 141.9#
 145 0.0 14.5 43.5#



#95
 Naphthalene
 Concen: 4.199 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN051953.D
 Acq: 19 Oct 2018 17:34

Tgt Ion:128 Resp: 3269
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.2 15.2
 129 21.0 8.5 12.7#

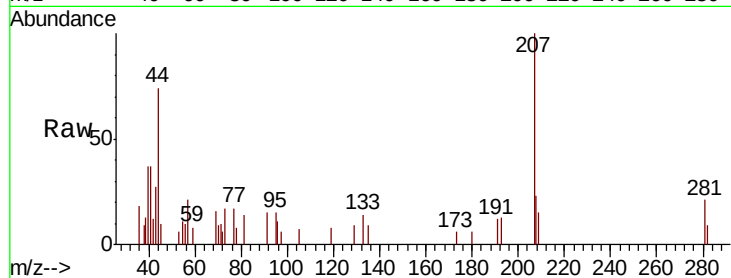




#96
 1,2,3-Trichlorobenzene
 Concen: 2.916 ug/l
 RT: 15.32 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN051953.D
 Acq: 19 Oct 2018 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 NL-7

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.8#
145	0.0	15.2	45.6#



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

