

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052903.D
 Acq On : 14 Dec 2018 21:45
 Operator : MD\SY
 Sample : J6403-36
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 03:02:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1403433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2157665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1921613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	795836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	711801	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
35) Dibromofluoromethane	7.59	113	564153	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
50) Toluene-d8	10.09	98	2628511	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	869482	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	

Target Compounds

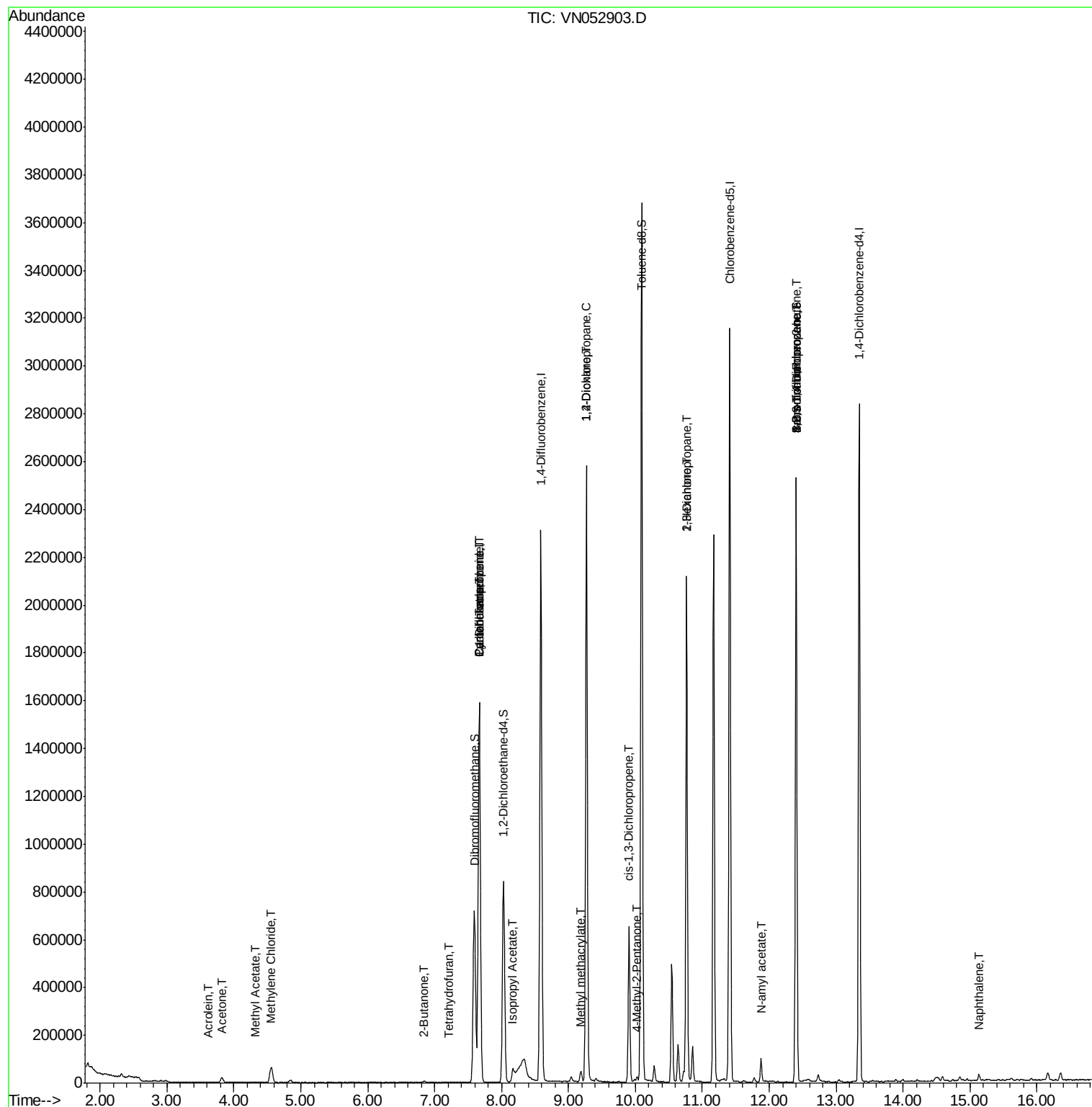
					Qvalue	
13) Acrolein	3.62	56	161	0.205	ug/l #	59
16) Acetone	3.82	43	34776	10.376	ug/l	96
18) Methyl Acetate	4.33	43	3036	0.247	ug/l #	62
20) Methylene Chloride	4.56	84	50437	3.344	ug/l	96
25) 2-Butanone	6.84	43	8072	1.552	ug/l	93
29) Tetrahydrofuran	7.22	42	1501	0.423	ug/l #	58
31) Cyclohexane	7.67	56	22278	0.304	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	91919	4.626	ug/l #	49
38) Carbon Tetrachloride	7.67	117	121100	6.622	ug/l #	16
43) Isopropyl Acetate	8.17	43	74757	3.055	ug/l #	76
45) 1,2-Dichloropropane	9.27	63	3279	0.210	ug/l #	44
48) Methyl methacrylate	9.18	41	15721	1.465	ug/l #	12
49) 1,4-Dioxane	9.27	88	145	1.190	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	18205	1.622	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	124224	5.515	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	21862	0.989	ug/l #	42
59) 2-Hexanone	10.76	43	298758	38.848	ug/l #	50
71) Bromoform	12.40	173	4903	0.521	ug/l #	1
74) N-amyl acetate	11.88	43	30262	1.855	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	409921	34.912	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	409921	112.153	ug/l #	12
95) Naphthalene	15.13	128	25433	0.874	ug/l	98

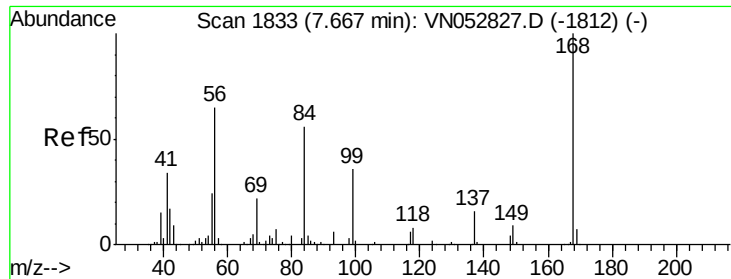
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 15 03:02:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 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: VN052903.D

Acq: 14 Dec 2018 21:45

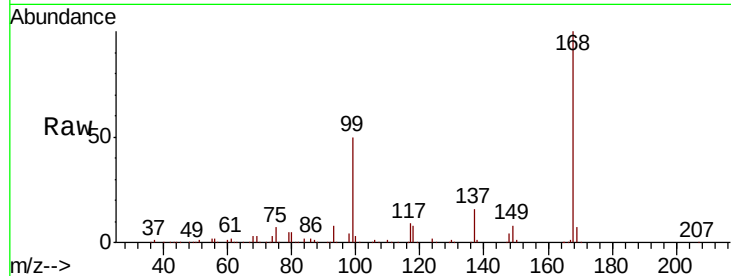
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1403433

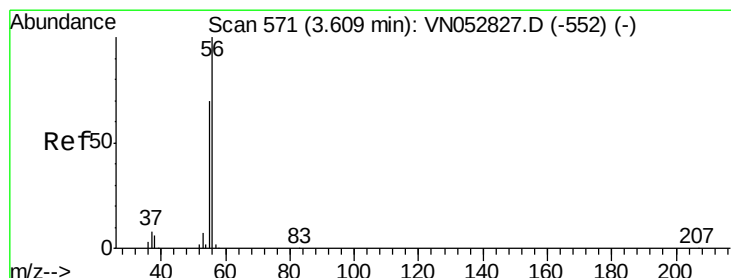
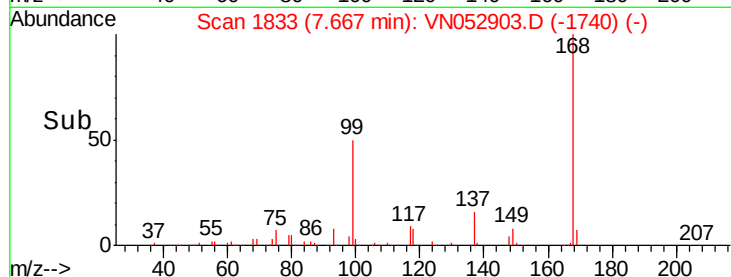
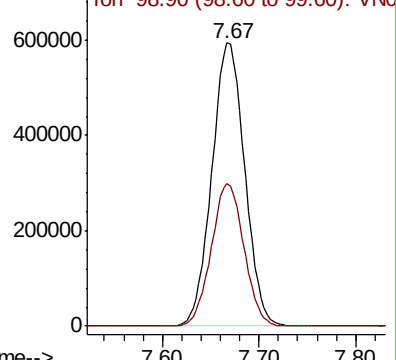
Ion Ratio Lower Upper

168 100

99 50.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052903.D (-1740) (-)



#13

Acrolein

Concen: 0.205 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN052903.D

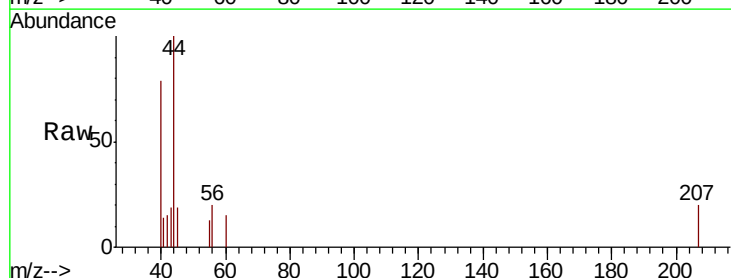
Acq: 14 Dec 2018 21:45

Tgt Ion: 56 Resp: 161

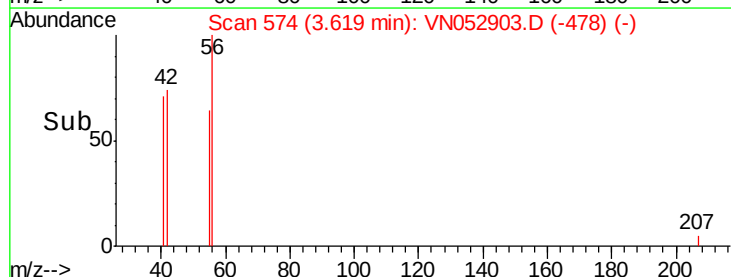
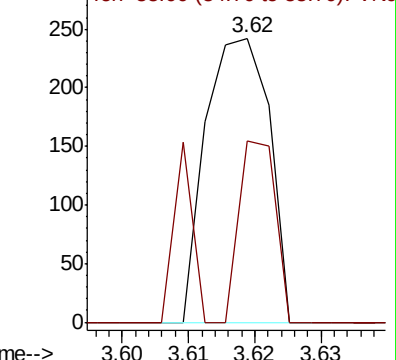
Ion Ratio Lower Upper

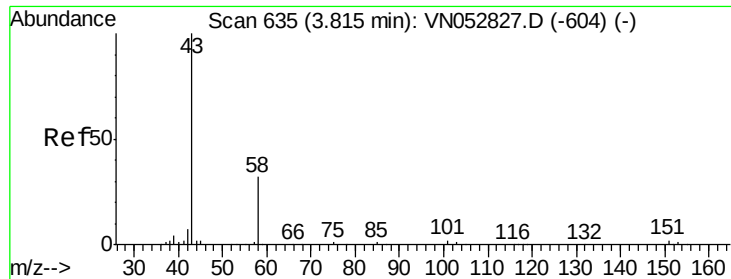
56 100

55 36.6 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN052903.D (-478) (-)





#16

Acetone

Concen: 10.376 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052903.D

Acq: 14 Dec 2018 21:45

Instrument :

MSVOA_N

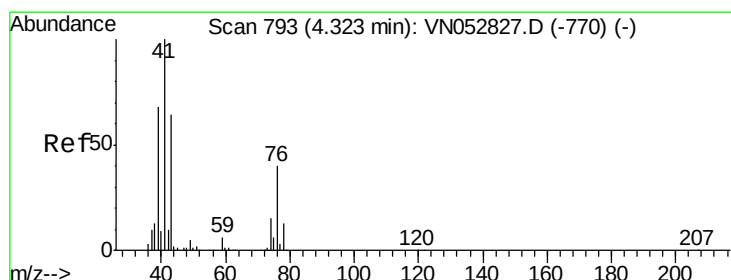
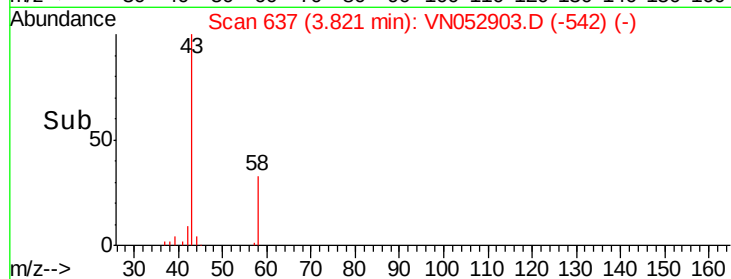
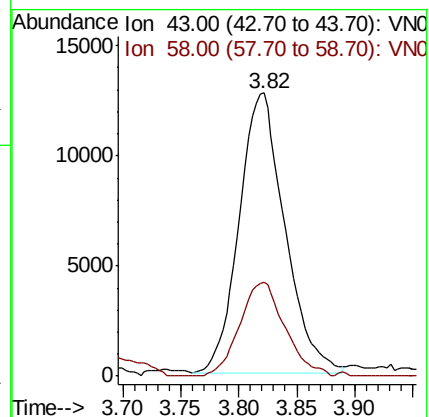
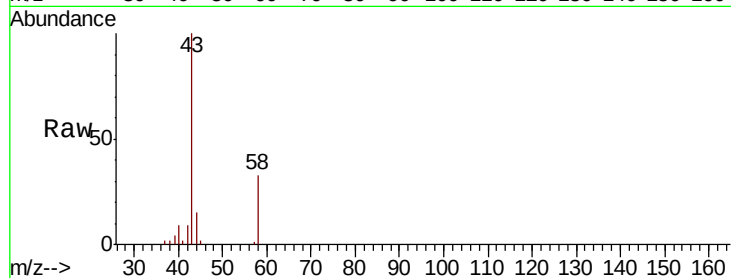
ClientSampled :

Tot Ion: 43 Resp: 34776

Ion Ratio Lower Upper

43 100

58 33.7 25.4 38.0



#18

Methyl Acetate

Concen: 0.247 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052903.D

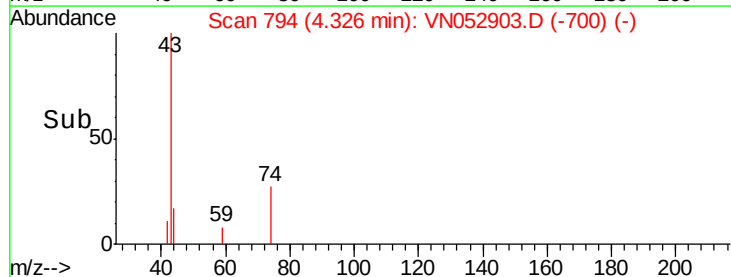
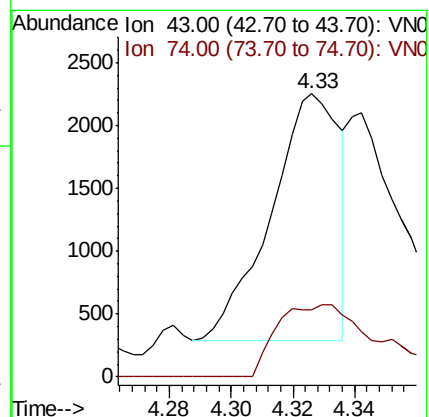
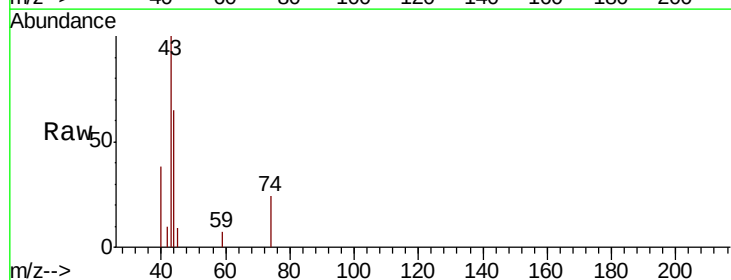
Acq: 14 Dec 2018 21:45

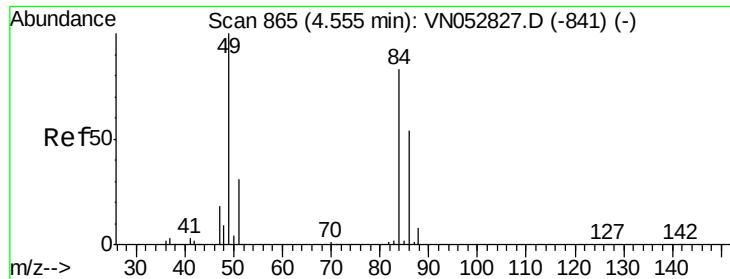
Tgt Ion: 43 Resp: 3036

Ion Ratio Lower Upper

43 100

74 42.6 19.2 28.8#

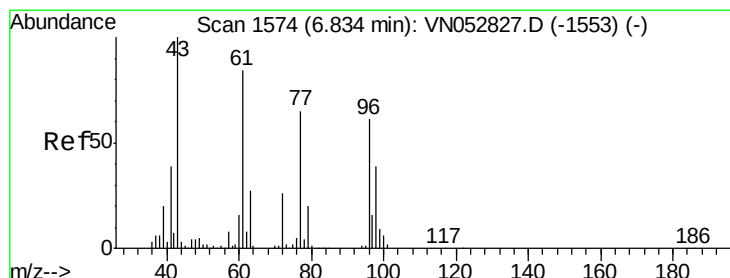
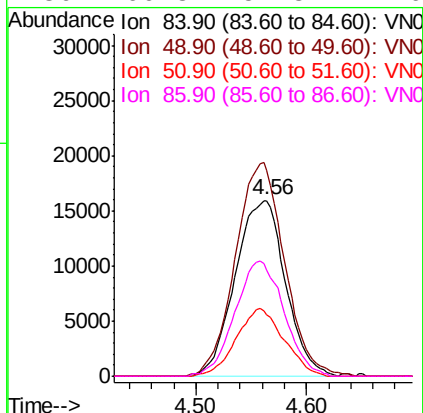
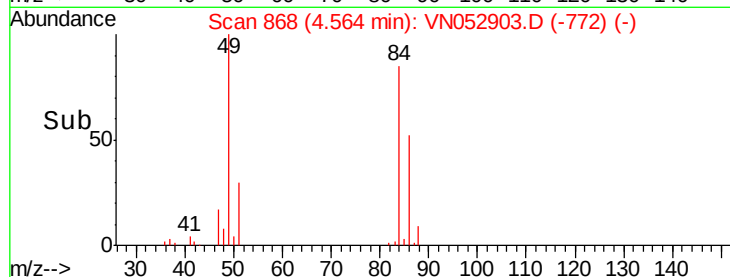
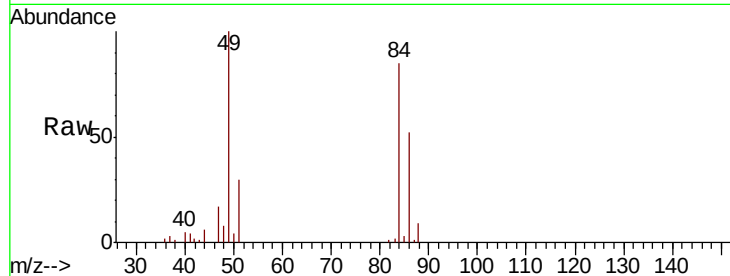




#20
Methylene Chloride
Concen: 3.344 ug/l
RT: 4.56 min Scan# 868
Delta R.T. 0.01 min
Lab File: VN052903.D
Acq: 14 Dec 2018 21:45

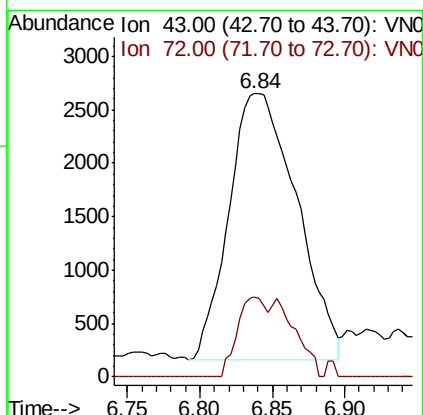
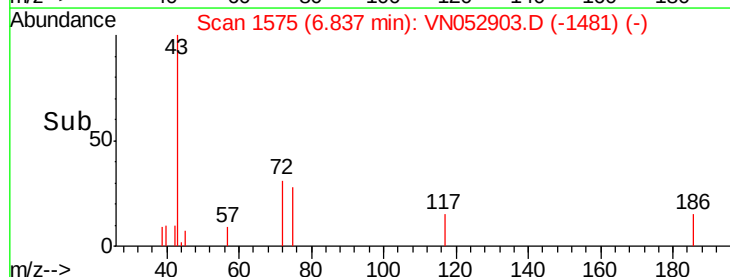
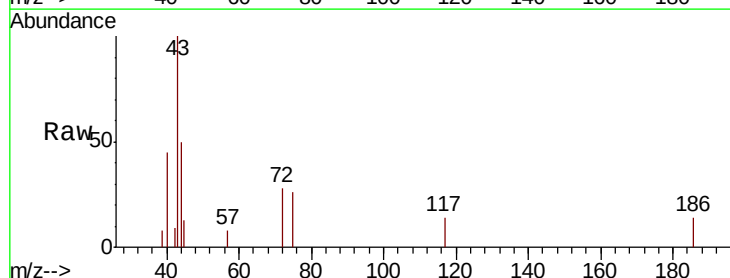
Instrument :
MSVOA_N
ClientSampled :

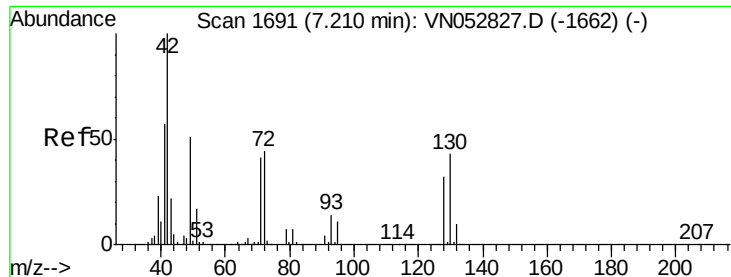
Tot Ion:	84	Resp:	50437
Ion	Ratio	Lower	Upper
84	100		
49	116.2	96.8	145.2
51	35.1	29.9	44.9
86	60.8	51.8	77.6



#25
2-Butanone
Concen: 1.552 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052903.D
Acq: 14 Dec 2018 21:45

Tgt Ion:	43	Resp:	8072
Ion	Ratio	Lower	Upper
43	100		
72	29.9	21.0	31.6

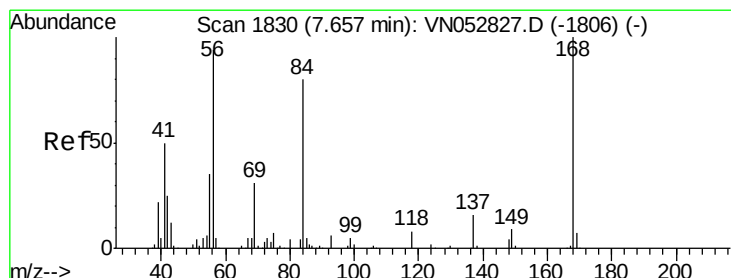
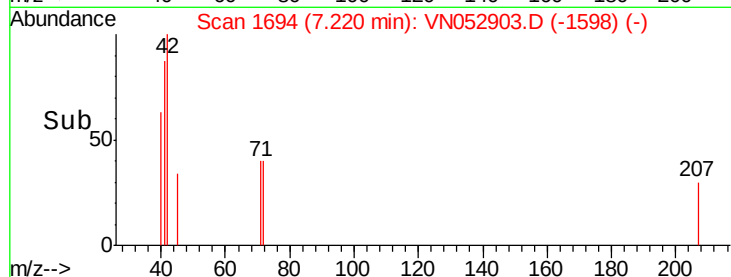
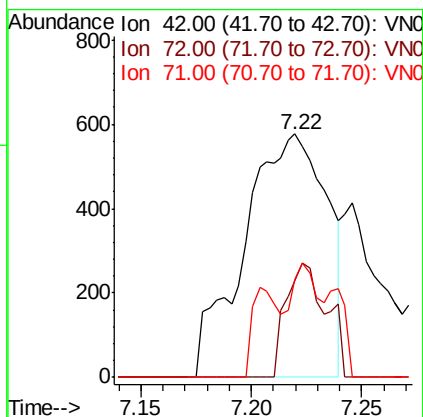
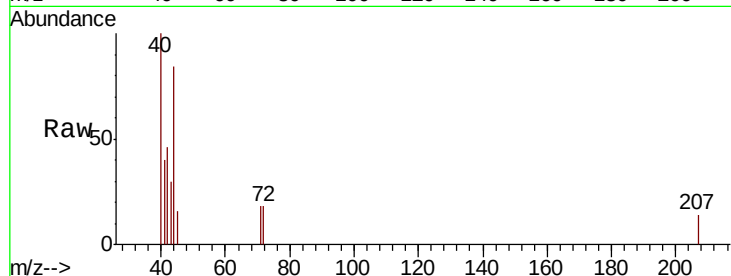




#29
Tetrahydrofuran
Concen: 0.423 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052903.D
Acq: 14 Dec 2018 21:45

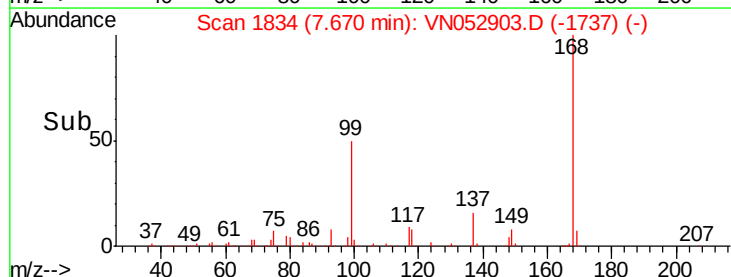
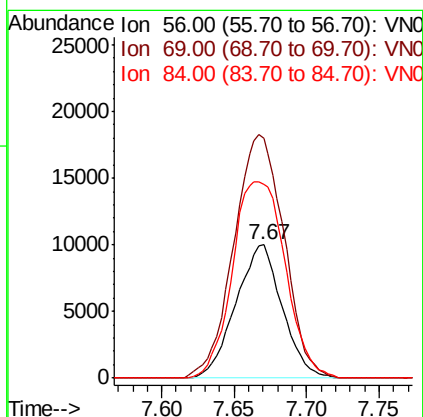
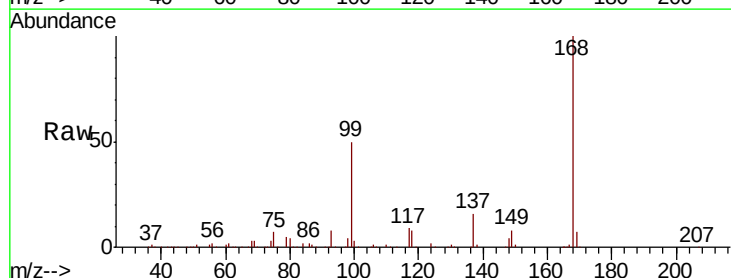
Instrument :
MSVOA_N
ClientSampleId :

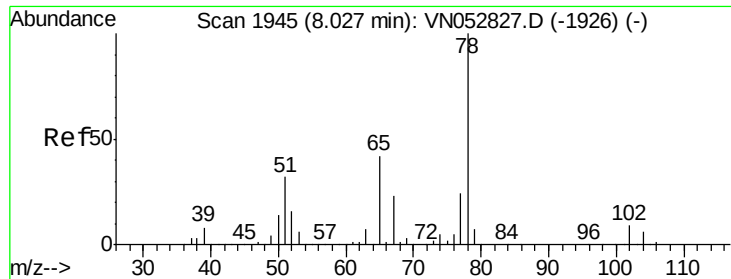
Tot Ion: 42 Resp: 1501
Ion Ratio Lower Upper
42 100
72 22.9 34.7 52.1#
71 7.1 32.3 48.5#



#31
Cyclohexane
Concen: 0.304 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN052903.D
Acq: 14 Dec 2018 21:45

Tgt Ion: 56 Resp: 22278
Ion Ratio Lower Upper
56 100
69 180.1 26.6 39.8#
84 145.7 68.4 102.6#

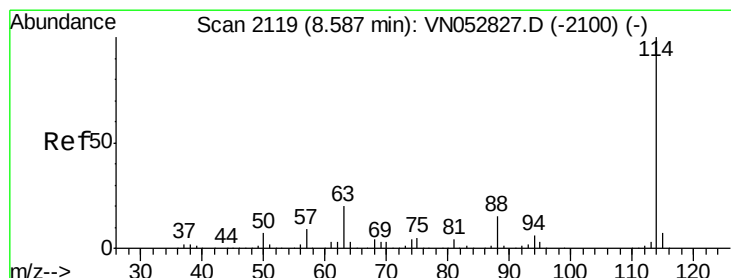
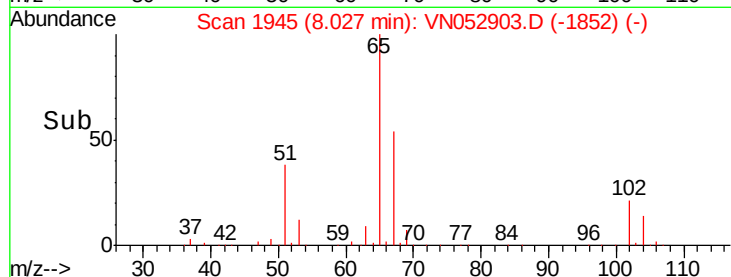
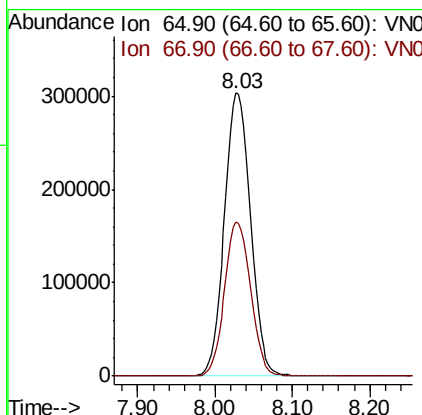
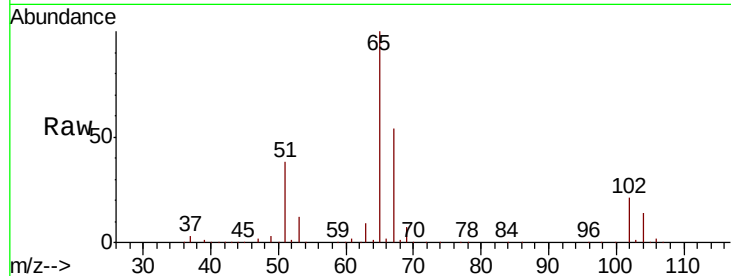




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052903.D
 Acq: 14 Dec 2018 21:45

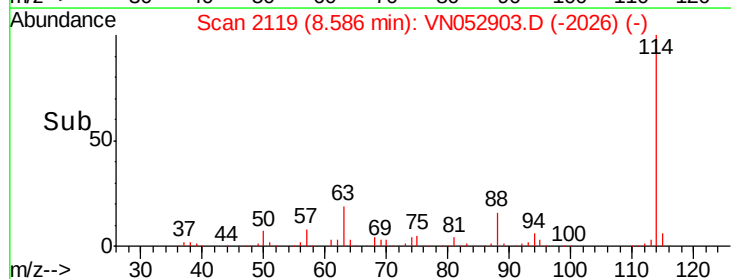
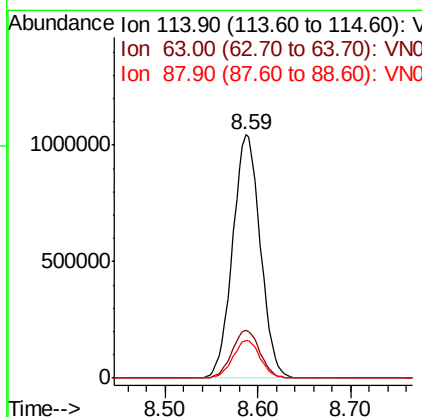
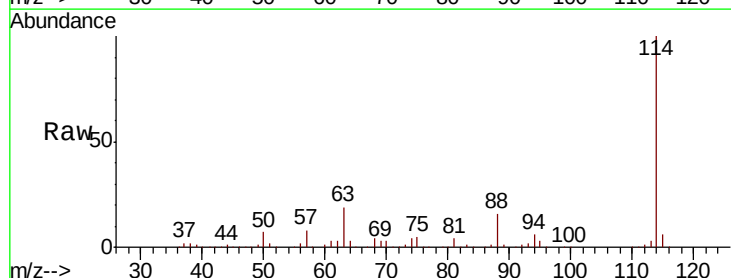
Instrument :
 MSVOA_N
 ClientSampleId :

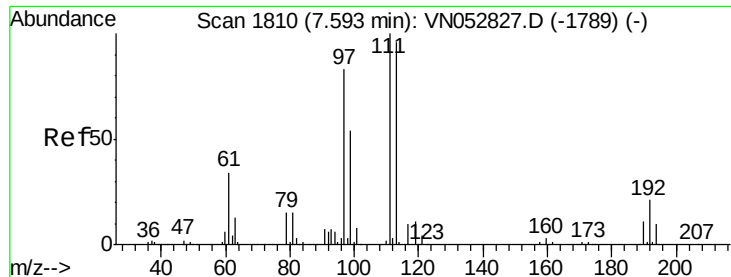
Tot Ion: 65 Resp: 711801
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052903.D
 Acq: 14 Dec 2018 21:45

Tgt Ion: 114 Resp: 2157665
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.5 0.0 31.0

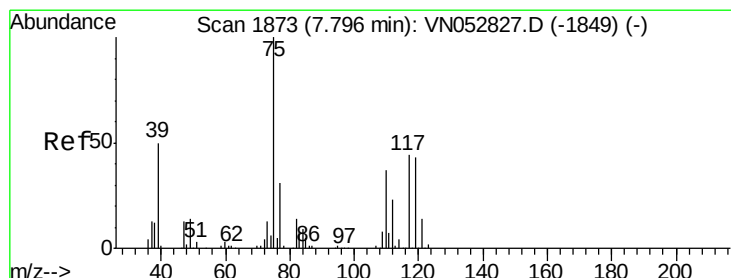
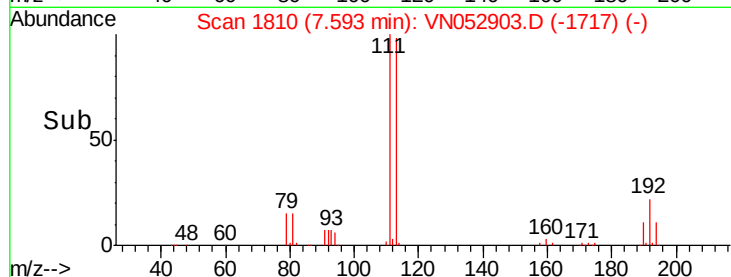
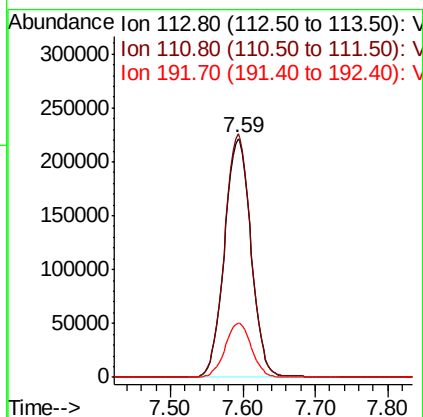
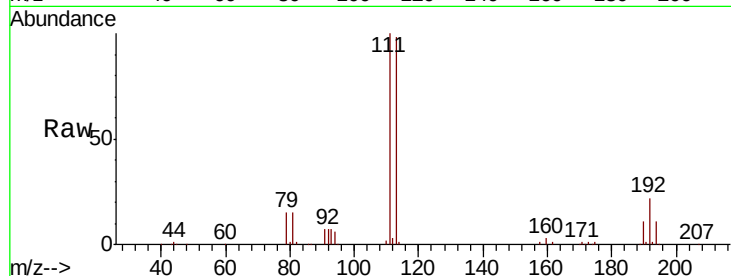




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052903.D
 Acq: 14 Dec 2018 21:45

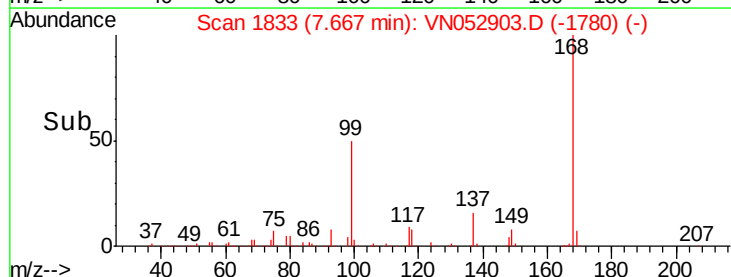
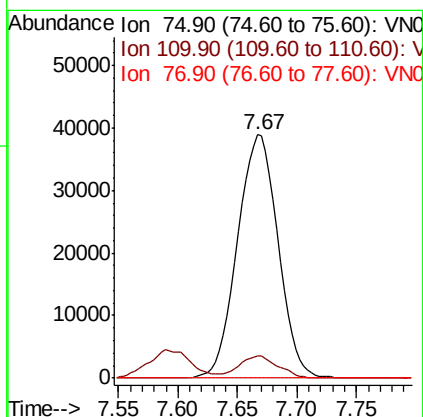
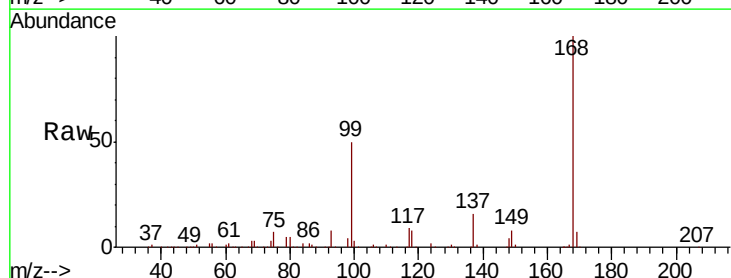
Instrument :
 MSVOA_N
 ClientSampleId :

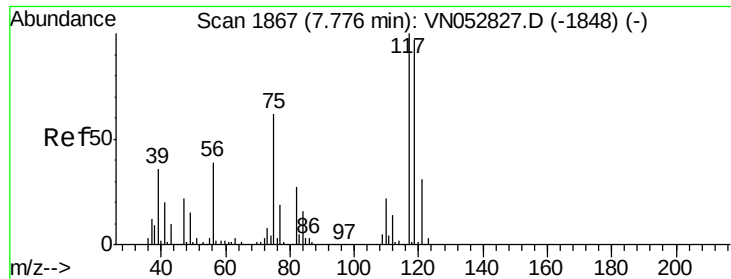
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.4
192	22.6	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.626 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052903.D
 Acq: 14 Dec 2018 21:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.2	54.6#
77	0.0	24.9	37.3#

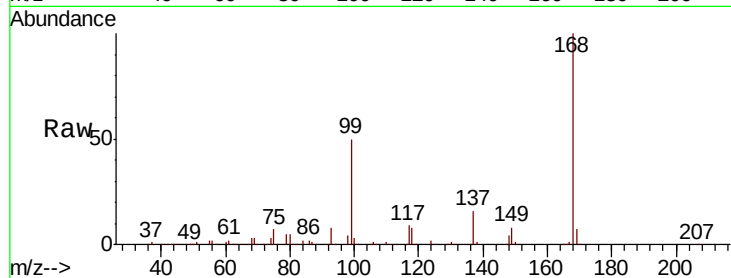




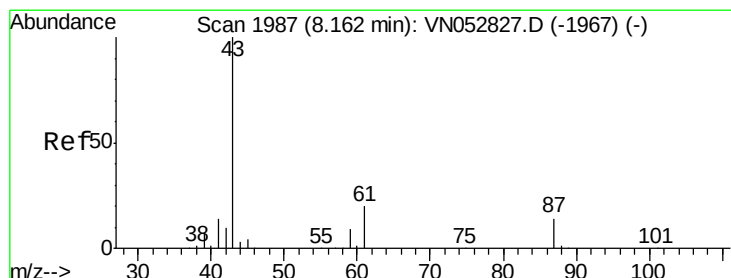
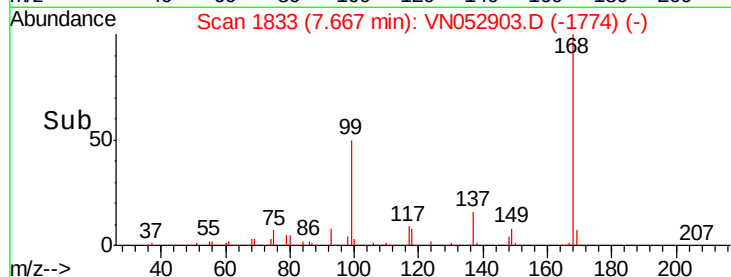
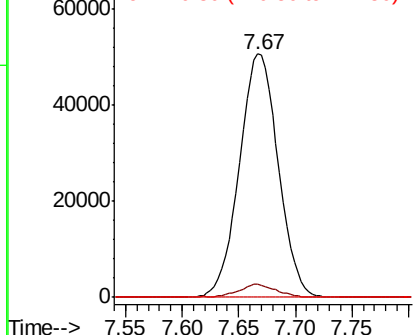
#38
Carbon Tetrachloride
Concen: 6.622 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052903.D
Acq: 14 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 121100
Ion Ratio Lower Upper
117 100
119 5.2 77.1 115.7#
121 0.0 24.9 37.3#

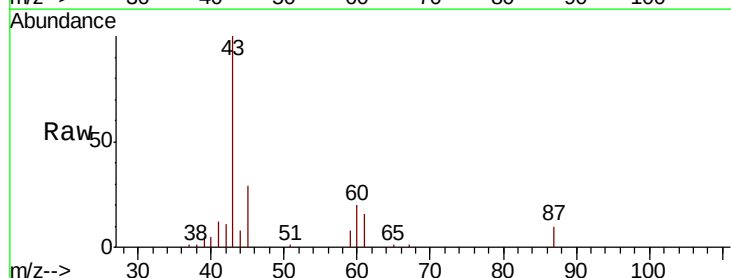


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

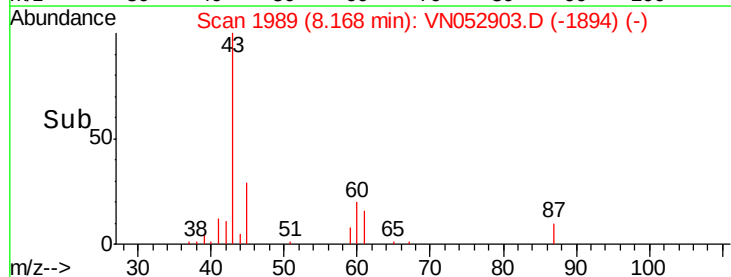
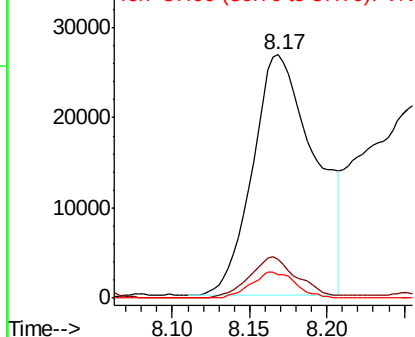


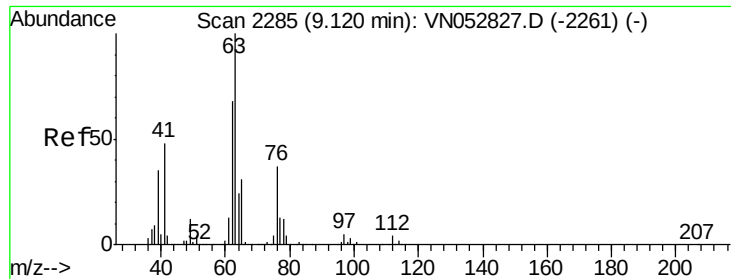
#43
Isopropyl Acetate
Concen: 3.055 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN052903.D
Acq: 14 Dec 2018 21:45

Tgt Ion: 43 Resp: 74757
Ion Ratio Lower Upper
43 100
61 13.4 22.9 34.3#
87 7.6 10.6 15.8#



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

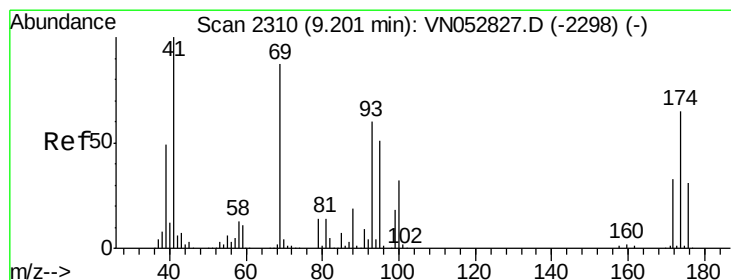
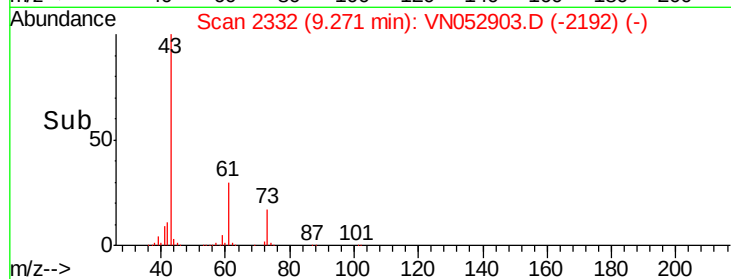
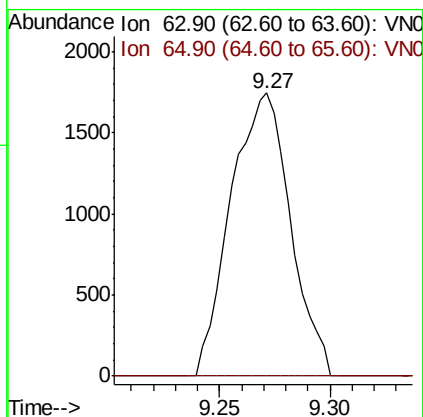
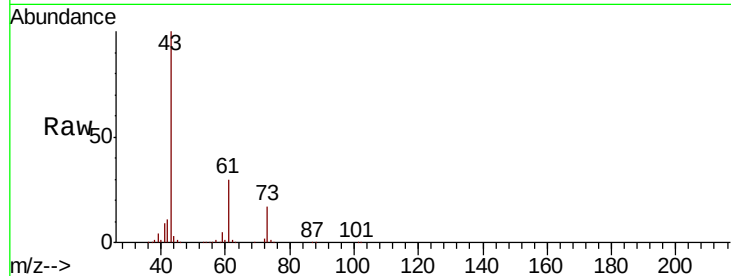




#45
 1,2-Dichloropropane
 Concen: 0.210 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN052903.D
 Acq: 14 Dec 2018 21:45

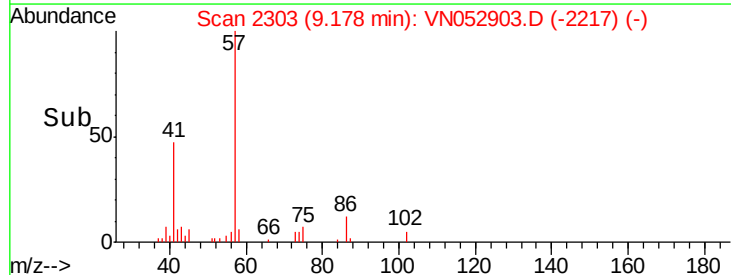
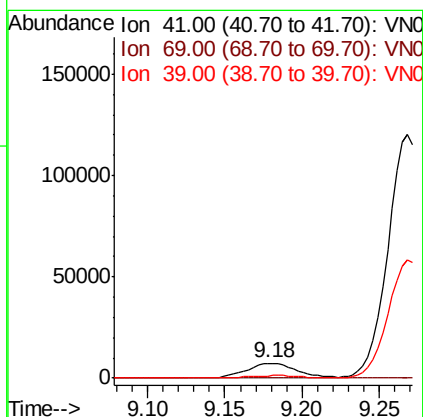
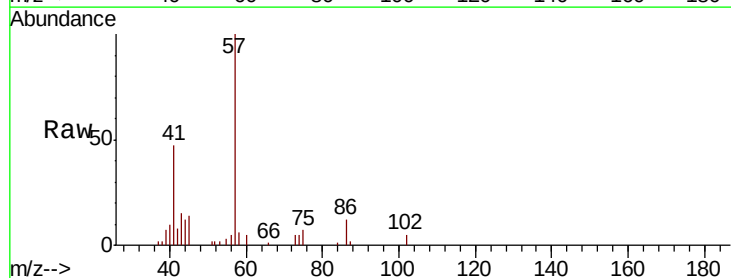
Instrument :
 MSVOA_N
 ClientSampleId :

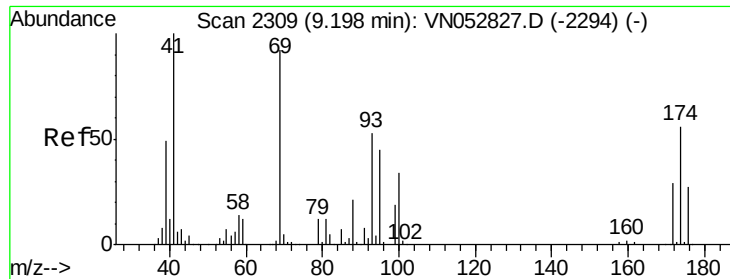
Tot Ion: 63 Resp: 3279
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 37.0#



#48
 Methyl methacrylate
 Concen: 1.465 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN052903.D
 Acq: 14 Dec 2018 21:45

Tgt Ion: 41 Resp: 15721
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.2 108.2#
 39 0.0 41.9 62.9#





#49

1,4-Dioxane

Concen: 1.190 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN052903.D

Acq: 14 Dec 2018 21:45

Instrument :
MSVOA_N
ClientSampled :

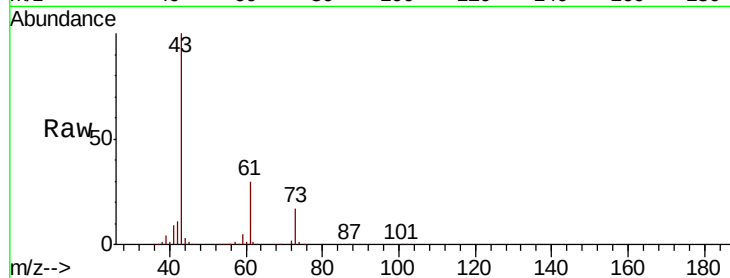
Tot Ion: 88 Resp: 145

Ion Ratio Lower Upper

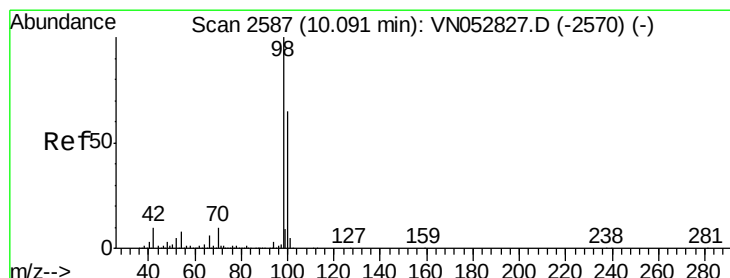
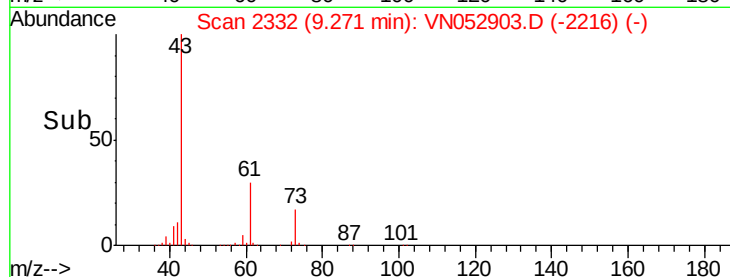
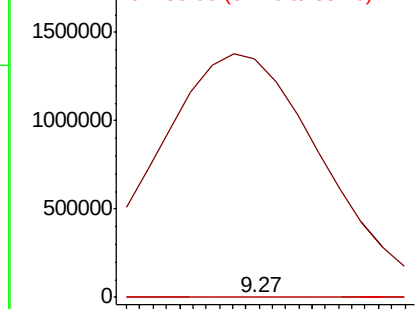
88 100

43 1733820.0 26.6 40.0#

58 6995.2 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#50

Toluene-d8

Concen: 1.190 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052903.D

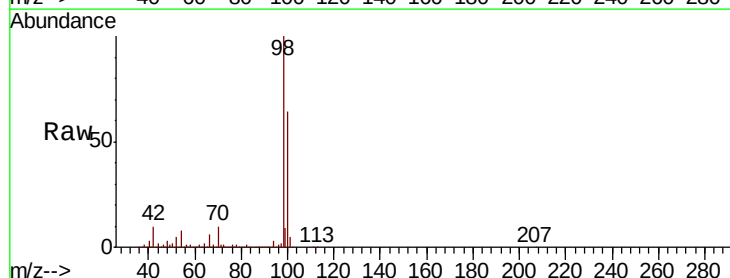
Acq: 14 Dec 2018 21:45

Tgt Ion: 98 Resp: 2628511

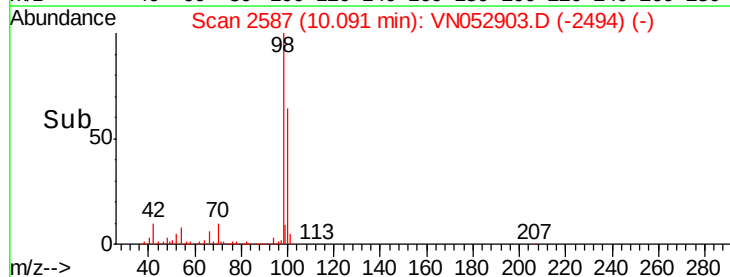
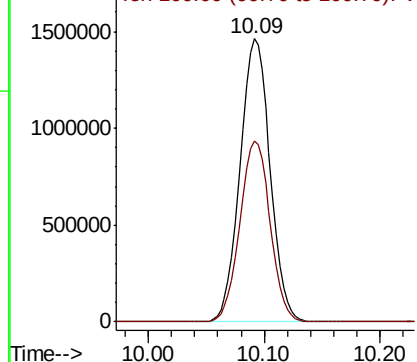
Ion Ratio Lower Upper

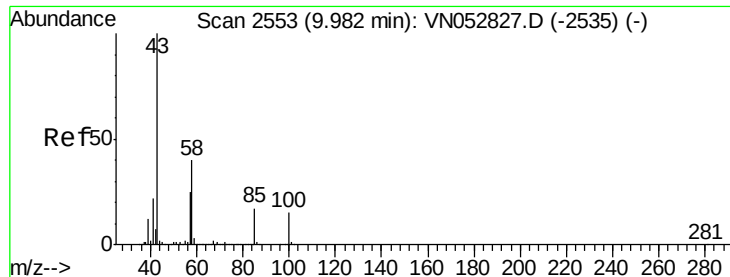
98 100

100 64.4 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.622 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052903.D

Acq: 14 Dec 2018 21:45

Instrument :

MSVOA_N

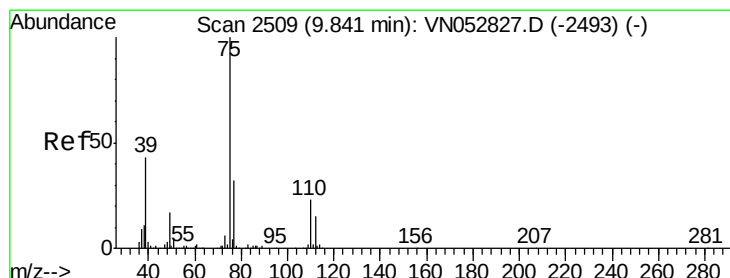
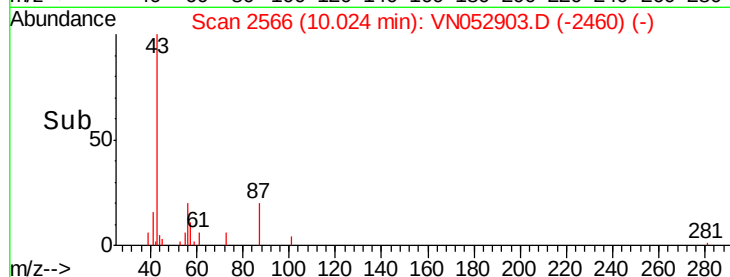
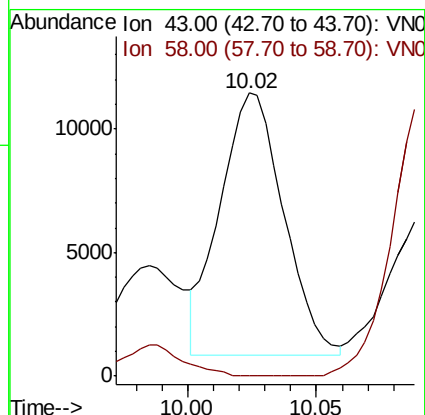
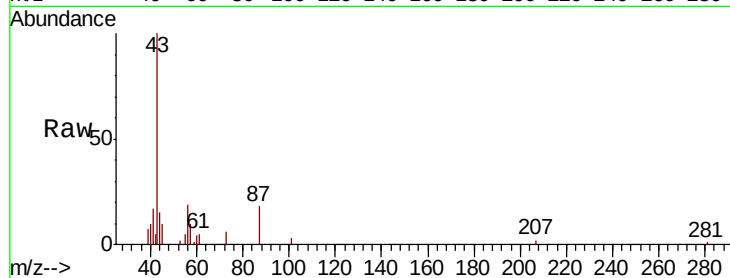
ClientSampled :

Tot Ion: 43 Resp: 18205

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#



#54

cis-1,3-Dichloropropene

Concen: 5.515 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052903.D

Acq: 14 Dec 2018 21:45

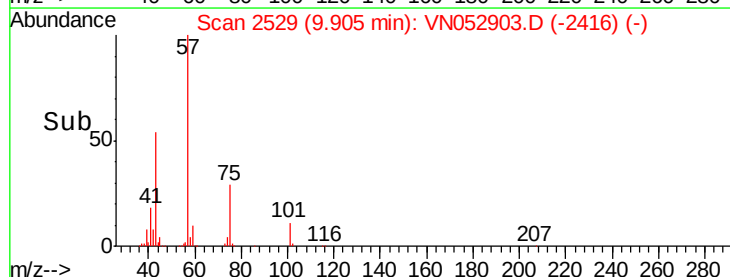
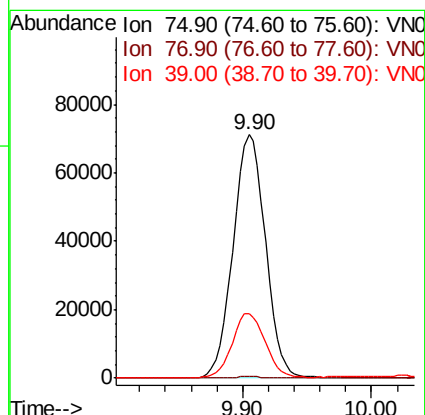
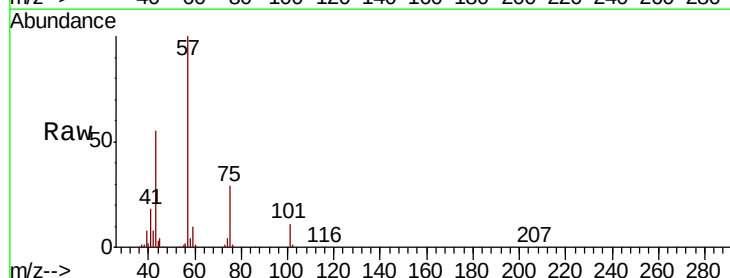
Tgt Ion: 75 Resp: 124224

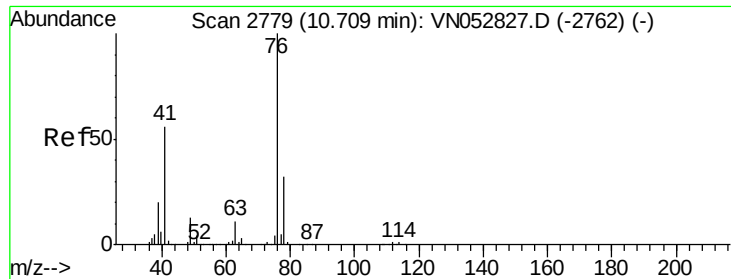
Ion Ratio Lower Upper

75 100

77 0.8 25.8 38.8#

39 26.5 34.8 52.2#

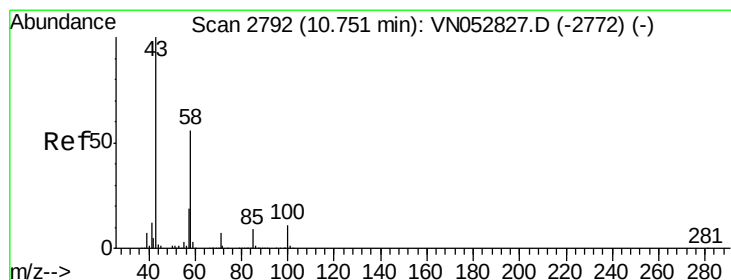
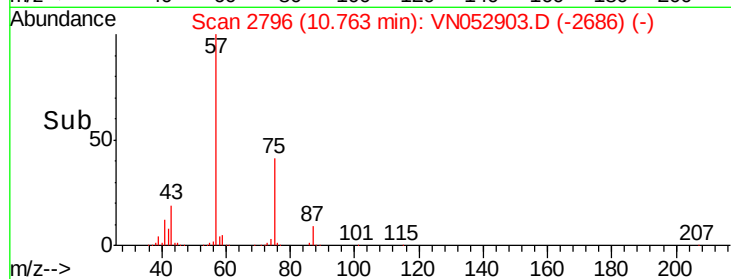
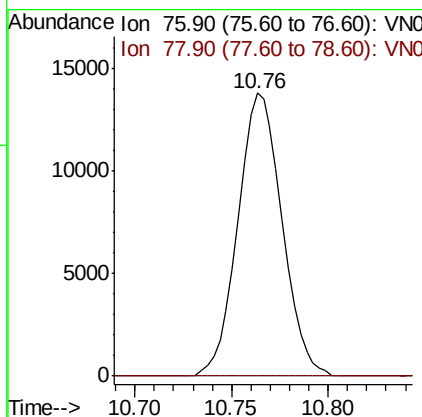
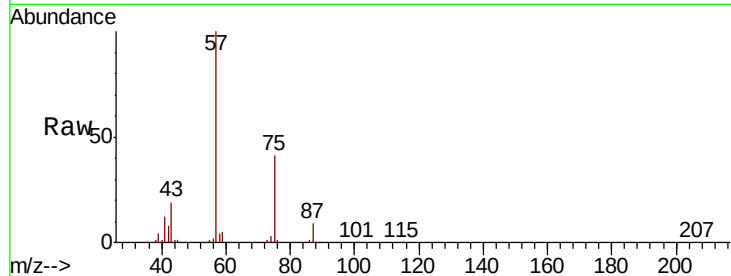




#57
 1,3-Dichloropropane
 Concen: 0.989 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052903.D
 Acq: 14 Dec 2018 21:45

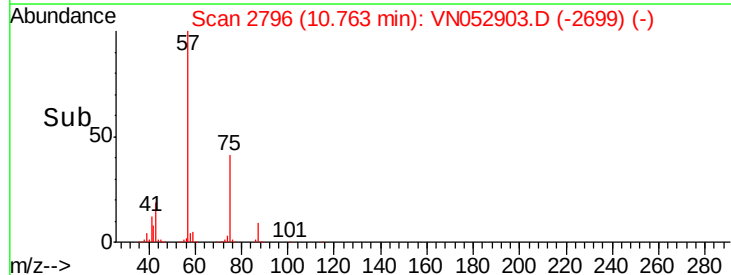
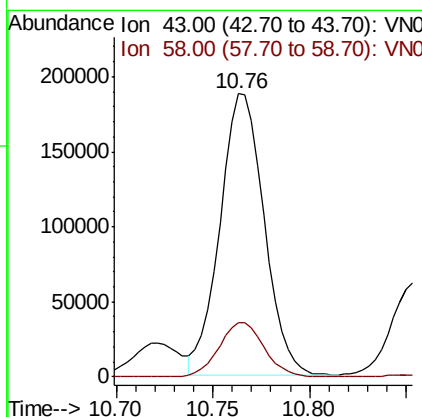
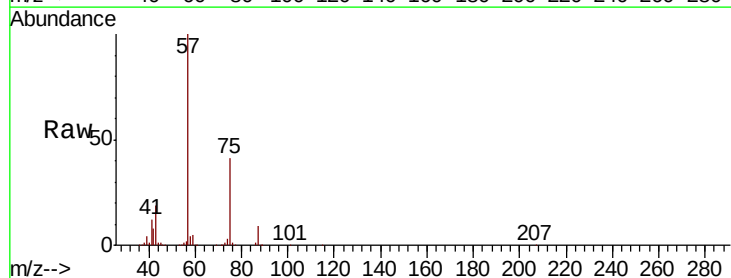
Instrument :
 MSVOA_N
 ClientSampleId :

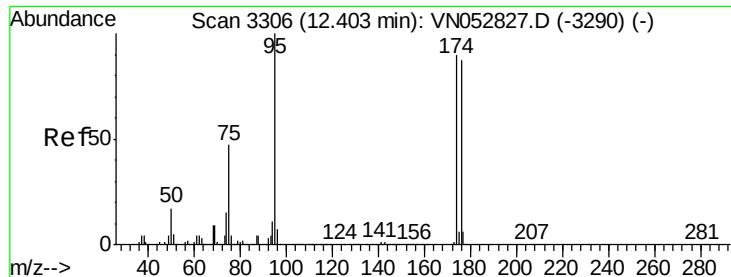
Tot Ion: 76 Resp: 21862
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 38.848 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052903.D
 Acq: 14 Dec 2018 21:45

Tgt Ion: 43 Resp: 298758
 Ion Ratio Lower Upper
 43 100
 58 19.7 28.1 84.3#

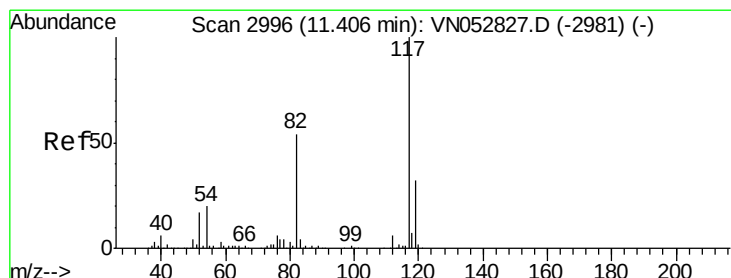
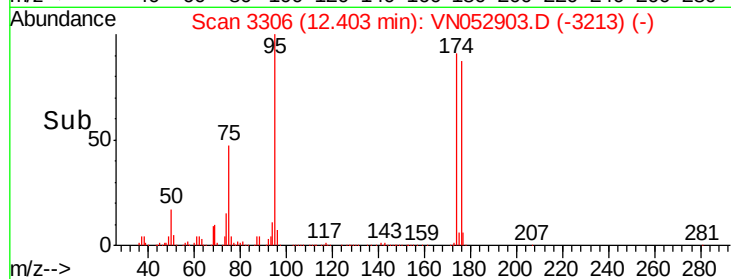
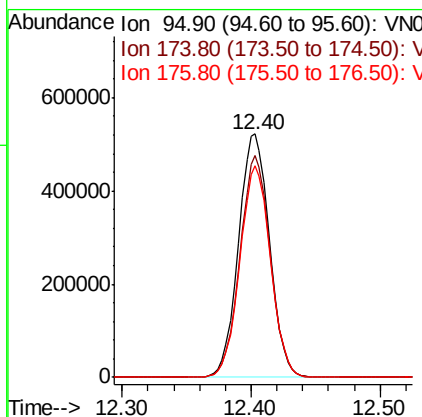
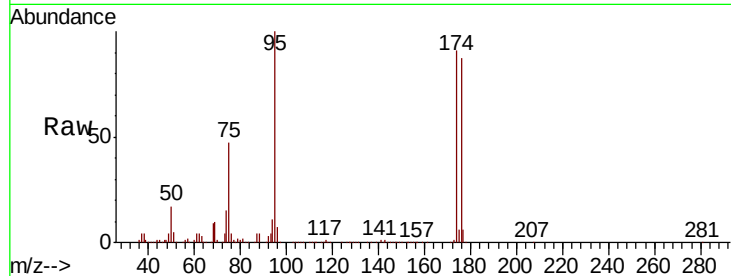




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN052903.D
Acq: 14 Dec 2018 21:45

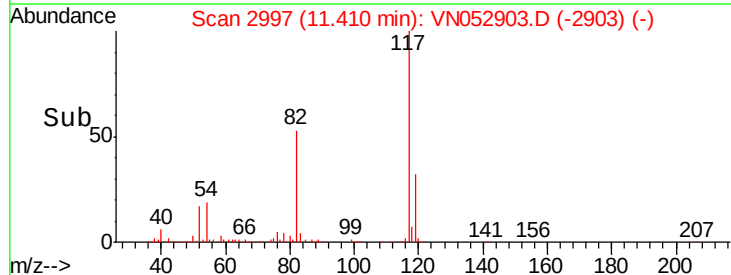
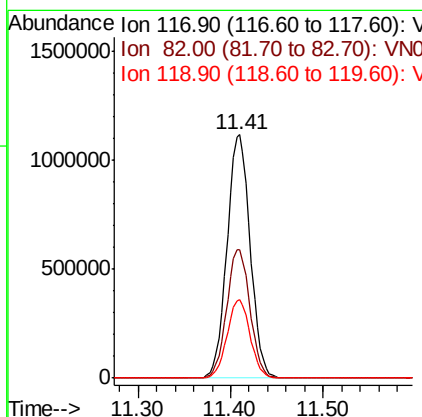
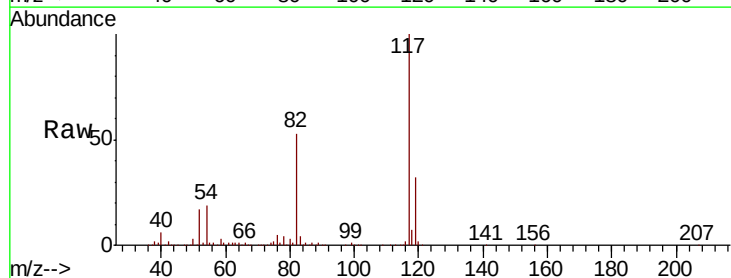
Instrument :
MSVOA_N
ClientSampleId :

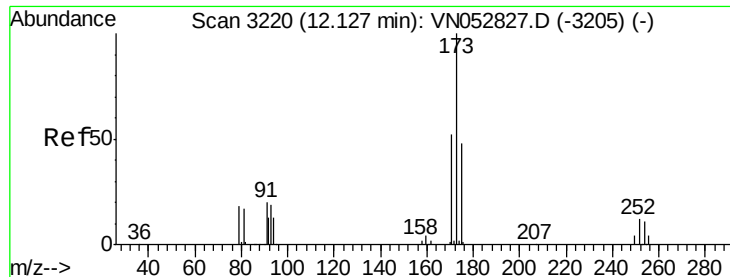
Tot Ion: 95 Resp: 869482
Ion Ratio Lower Upper
95 100
174 89.1 0.0 178.8
176 86.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052903.D
Acq: 14 Dec 2018 21:45

Tgt Ion: 117 Resp: 1921613
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 32.2 25.5 38.3





#71

Bromoform

Concen: 0.521 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052903.D

Acq: 14 Dec 2018 21:45

Instrument :

MSVOA_N

ClientSampled :

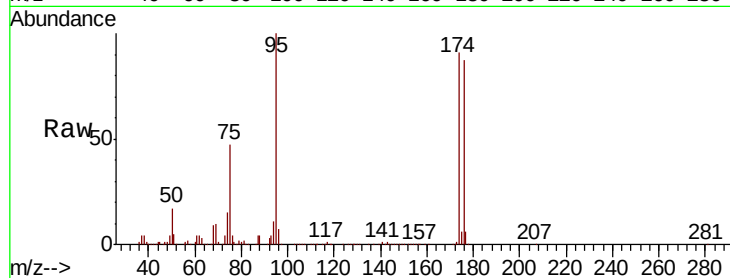
Tot Ion:173 Resp: 4903

Ion Ratio Lower Upper

173 100

175 963.4 24.3 72.9#

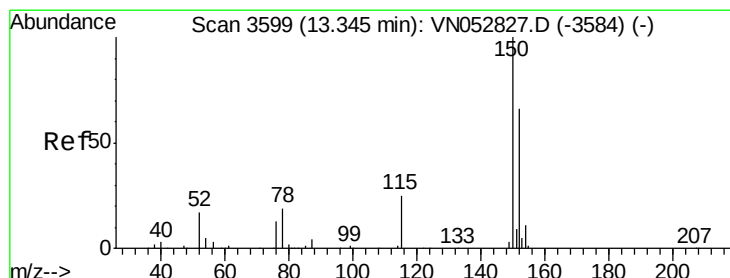
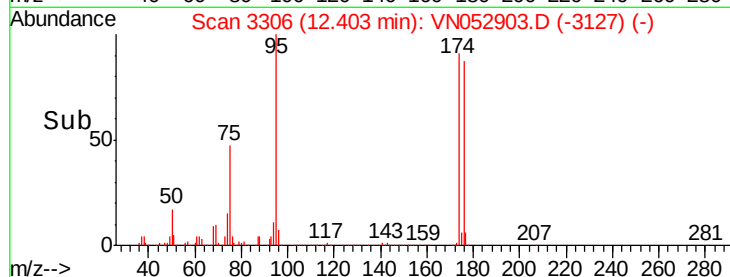
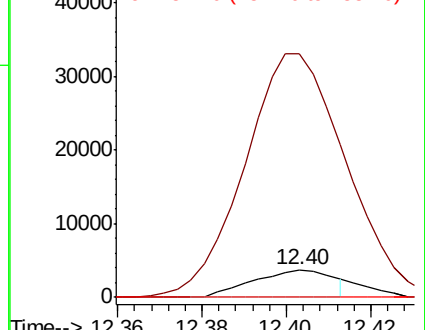
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052903.D

Acq: 14 Dec 2018 21:45

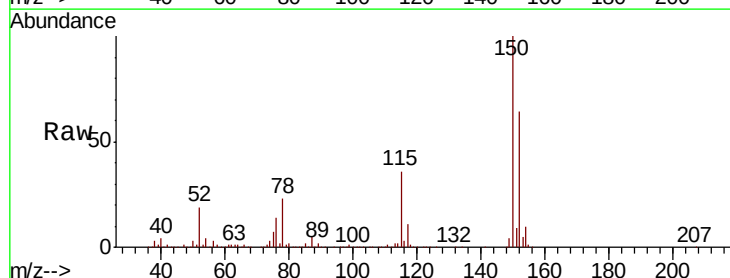
Tgt Ion:152 Resp: 795836

Ion Ratio Lower Upper

152 100

115 56.2 28.3 85.0

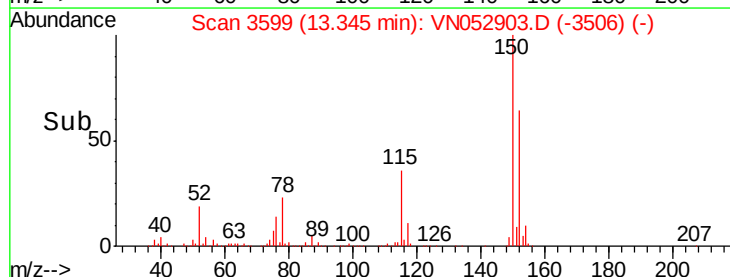
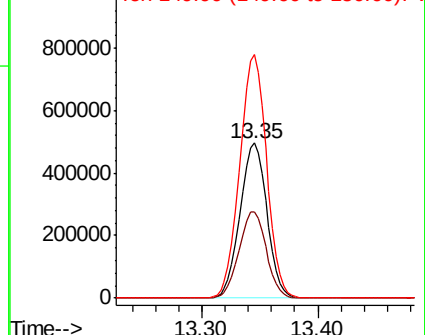
150 156.5 0.0 347.8

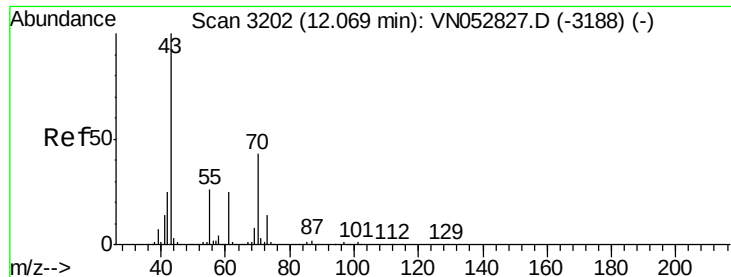


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

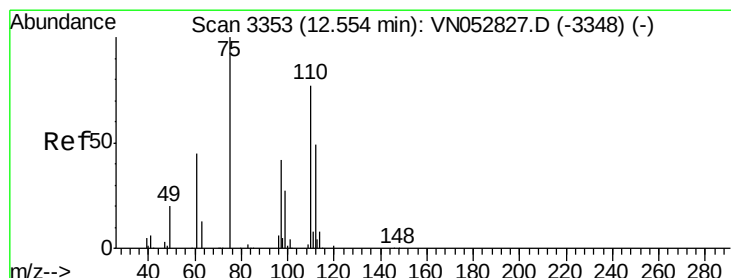
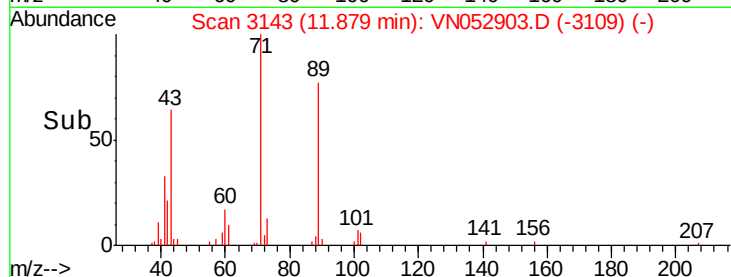
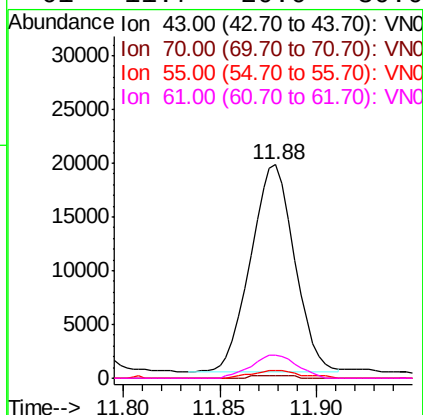
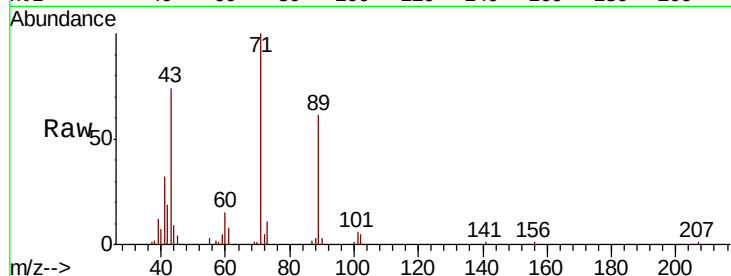




#74
N-amvl acetate
Concen: 1.855 ug/l
RT: 11.88 min Scan# 3143
Delta R.T. -0.19 min
Lab File: VN052903.D
Acq: 14 Dec 2018 21:45

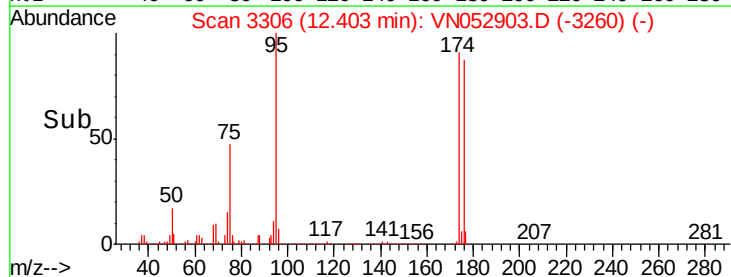
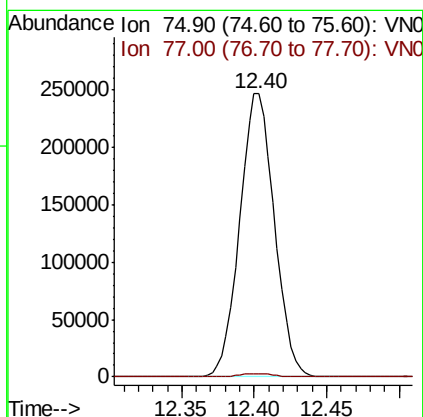
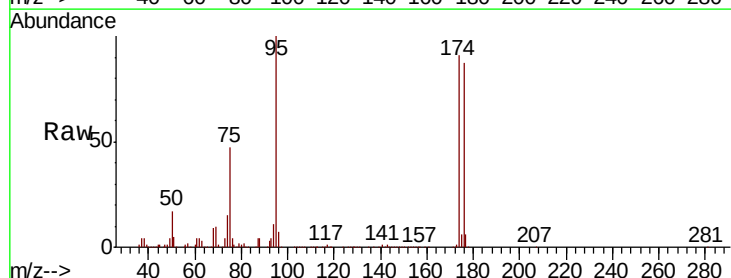
Instrument :
MSVOA_N
ClientSampled :

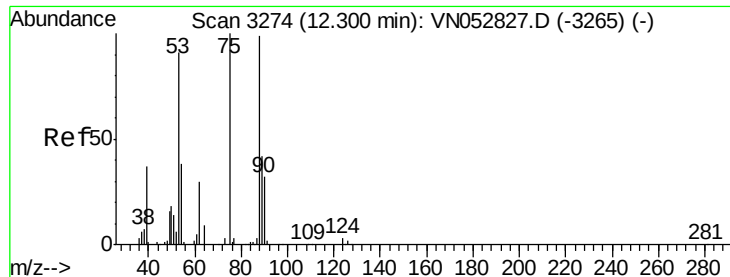
Tot Ion: 43 Resp: 30262
Ion Ratio Lower Upper
43 100
70 1.3 34.2 51.4#
55 4.0 20.3 30.5#
61 11.7 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 34.912 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN052903.D
Acq: 14 Dec 2018 21:45

Tgt Ion: 75 Resp: 409921
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 112.153 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052903.D

Acq: 14 Dec 2018 21:45

Instrument :

MSVOA_N

ClientSampleId :

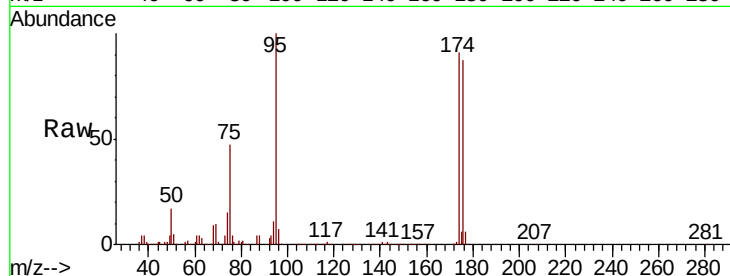
Tot Ion: 75 Resp: 409921

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

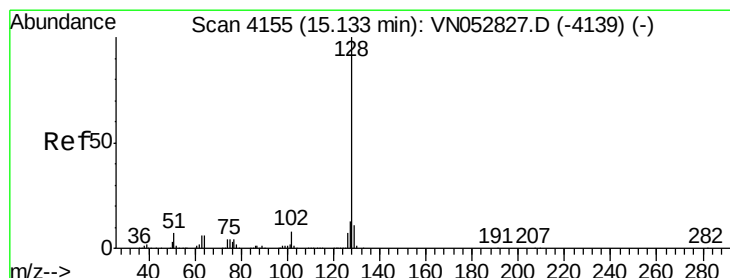
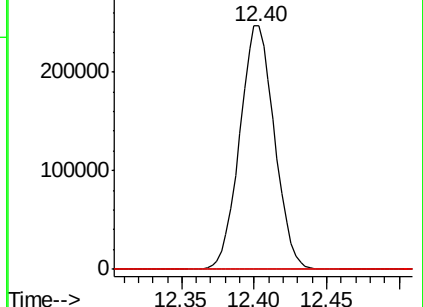
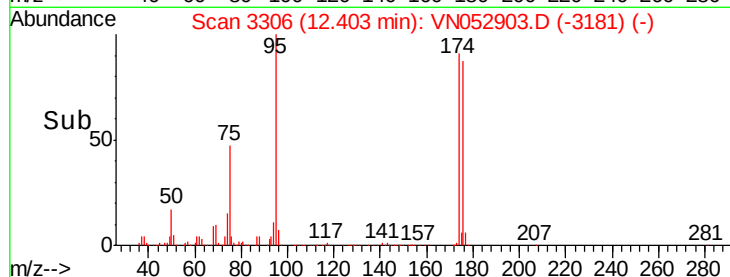
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052827.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052827.D (-3265) (-)



#95

Naphthalene

Concen: 0.874 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052903.D

Acq: 14 Dec 2018 21:45

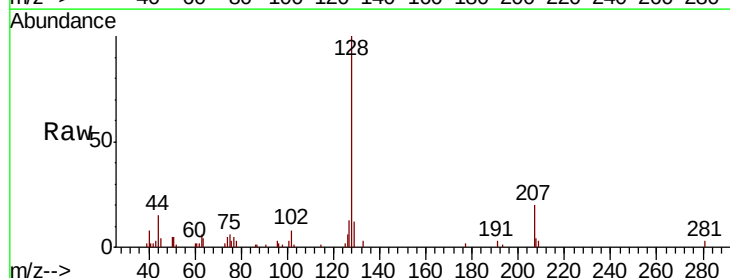
Tgt Ion: 128 Resp: 25433

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 12.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VN052827.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN052827.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN052827.D (-4139) (-)

