

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051558.D
 Acq On : 27 Sep 2018 00:55
 Operator : MD\SY
 Sample : J5070-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CS-RBR-200028

Quant Time: Sep 27 08:02:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	599677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	987381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	820798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	306602	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	444239	59.14	ug/l	0.00
Spiked Amount			Recovery	=	118.28%	
35) Dibromofluoromethane	7.59	113	381216	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	10.09	98	1375803	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
62) 4-Bromofluorobenzene	12.40	95	364098	37.85	ug/l	0.00
Spiked Amount			Recovery	=	75.70%	

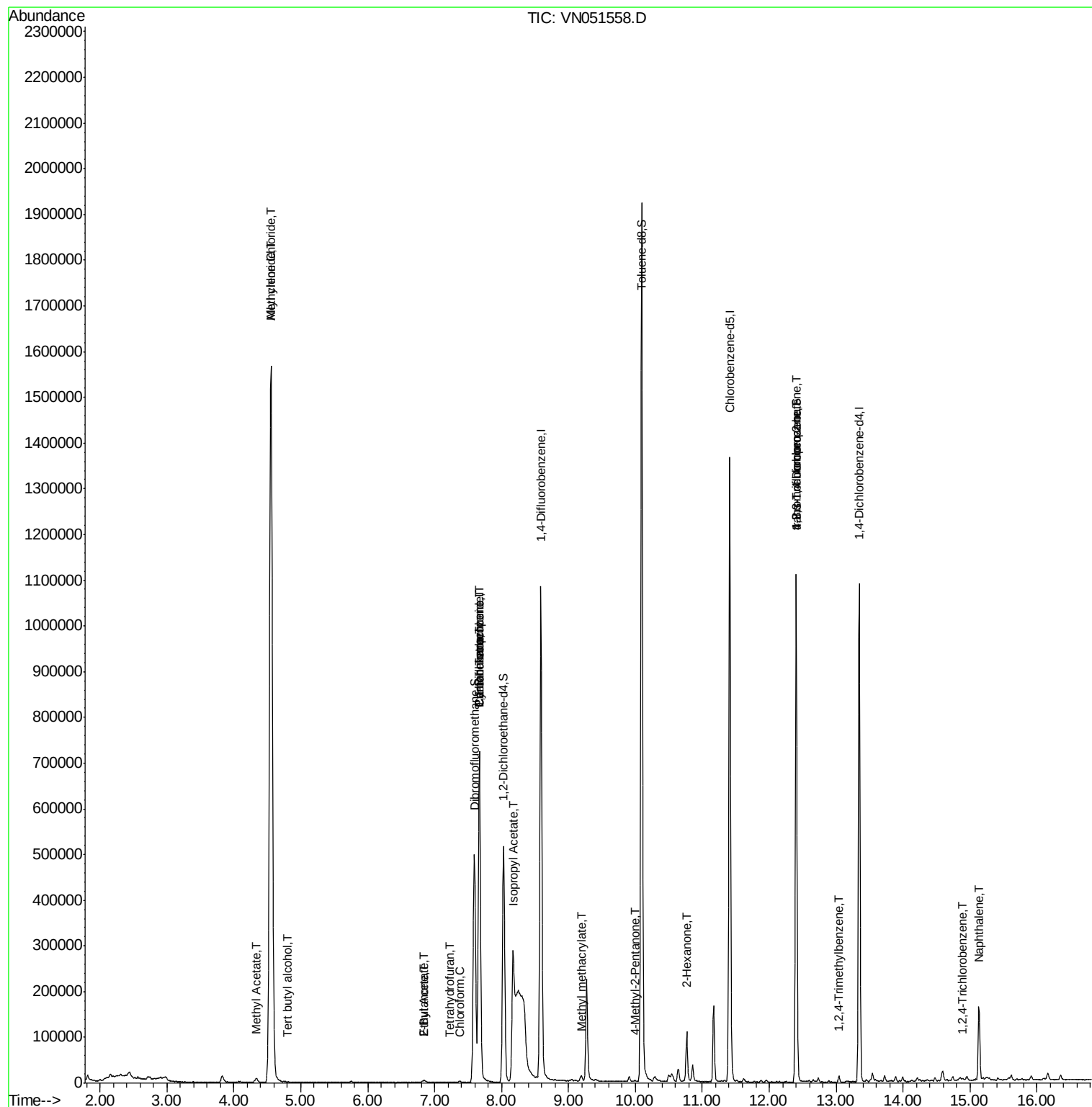
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	95	0.224	ug/l #	78
14) Allyl chloride	4.55	41	48539	4.336	ug/l #	26
16) Acetone	3.82	43	25431	Below Cal		91
18) Methyl Acetate	4.34	43	18521	3.237	ug/l	91
20) Methylene Chloride	4.55	84	1176418	158.259	ug/l	98
25) 2-Butanone	6.85	43	4830	1.879	ug/l #	81
29) Tetrahydrofuran	7.22	42	837	0.514	ug/l #	74
30) Chloroform	7.38	83	3305	0.258	ug/l	92
31) Cyclohexane	7.67	56	11827	1.000	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44407	3.884	ug/l #	47
37) Ethyl Acetate	6.85	43	4830	0.735	ug/l #	68
38) Carbon Tetrachloride	7.67	117	55256	4.620	ug/l #	16
43) Isopropyl Acetate	8.17	43	406563	34.200	ug/l #	85
48) Methyl methacrylate	9.18	41	7294	1.231	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	2376	0.363	ug/l #	86
59) 2-Hexanone	10.77	43	16880	3.983	ug/l #	59
76) 1,2,3-Trichloropropane	12.40	75	183588	36.070	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	183588	110.912	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	7133	0.336	ug/l	95
93) 1,2,4-Trichlorobenzene	14.90	180	490	6.054	ug/l	67
95) Naphthalene	15.14	128	139999	18.349	ug/l	99

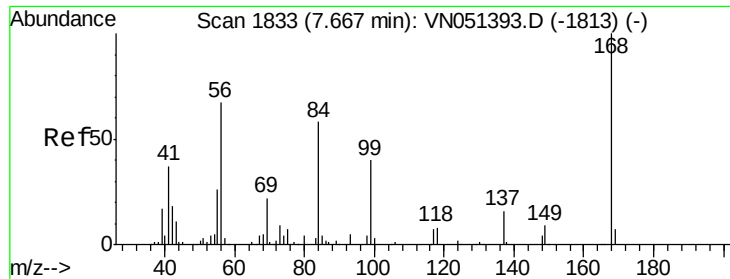
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J5070-12
Misc : 5.00mL/MSVOA N/WATER
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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051558.D

Acq: 27 Sep 2018 00:55

Instrument :

MSVOA_N

ClientSampleId :

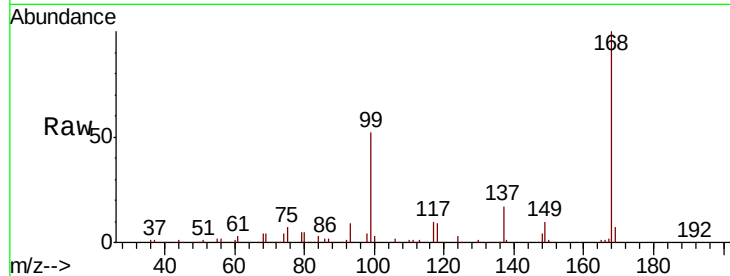
CS-RBR-200028

Tot Ion:168 Resp: 599677

Ion Ratio Lower Upper

168 100

99 51.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

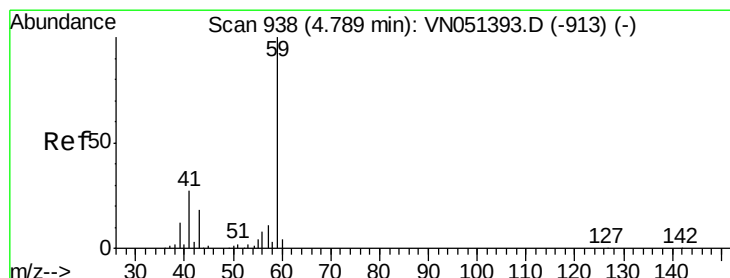
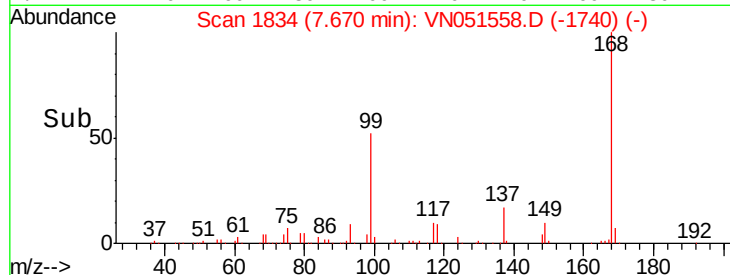
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.224 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN051558.D

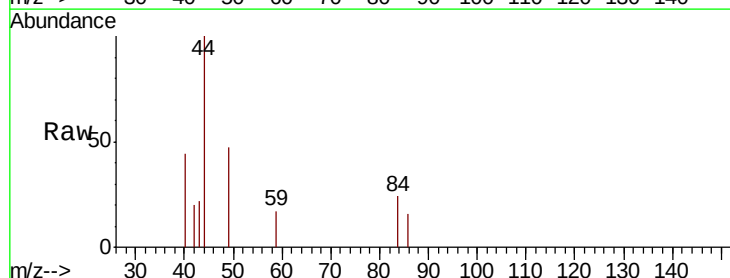
Acq: 27 Sep 2018 00:55

Tgt Ion: 59 Resp: 95

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.2#



Abundance Ion 59.00 (58.70 to 59.70): VN051393.D (-913) (-)

Ion 57.00 (56.70 to 57.70): VN051393.D (-913) (-)

4.79

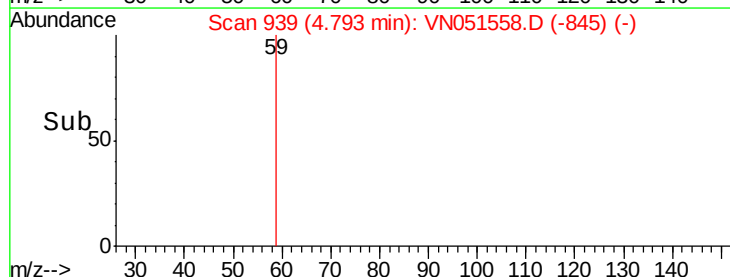
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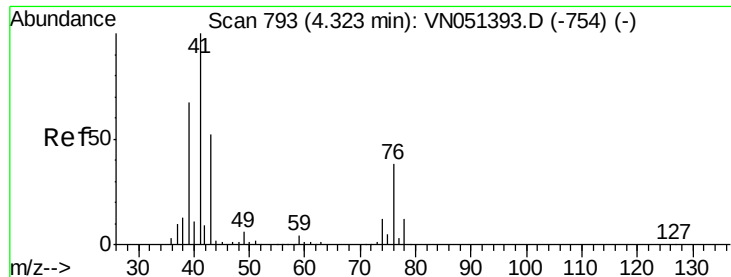
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50

0

Time-->

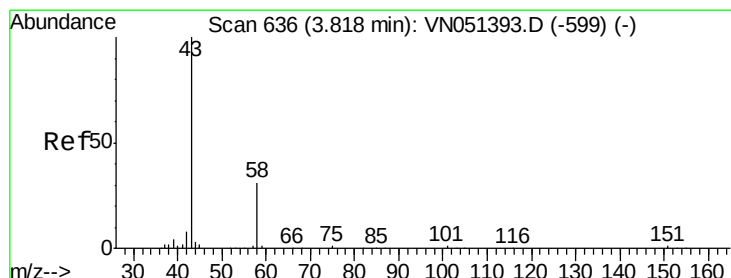
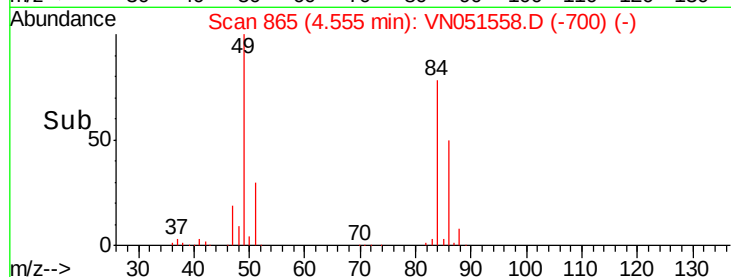
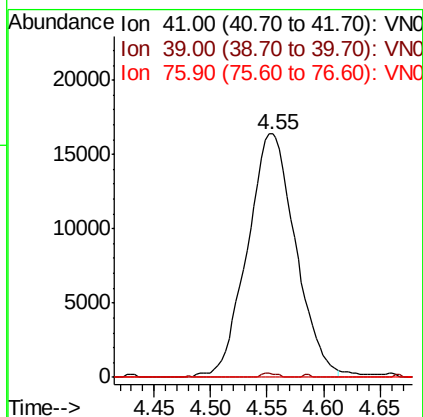
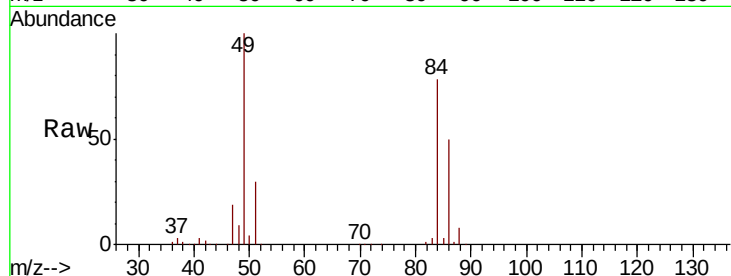




#14
Allvl chloride
Concen: 4.336 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.23 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

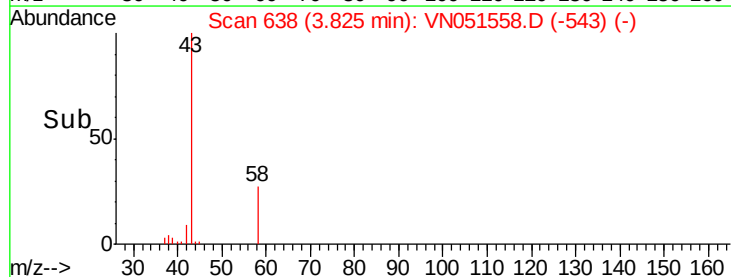
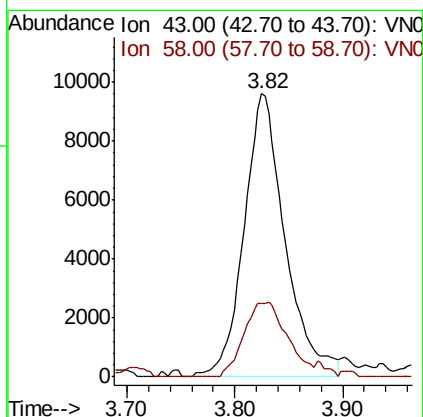
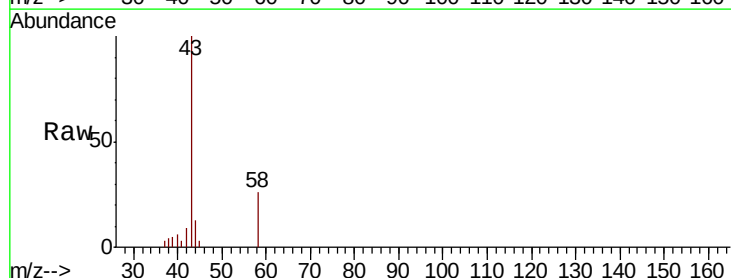
Instrument :
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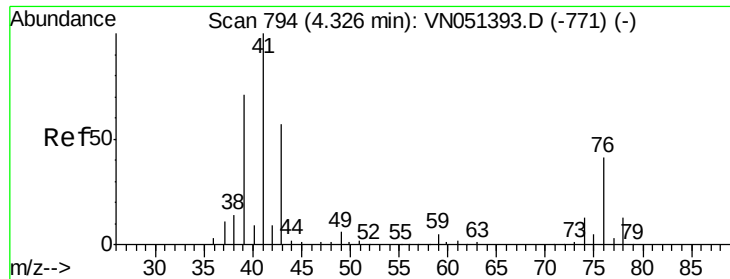
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.6	51.4	77.2#
76	0.0	28.1	42.1#



#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.1	25.0	37.4

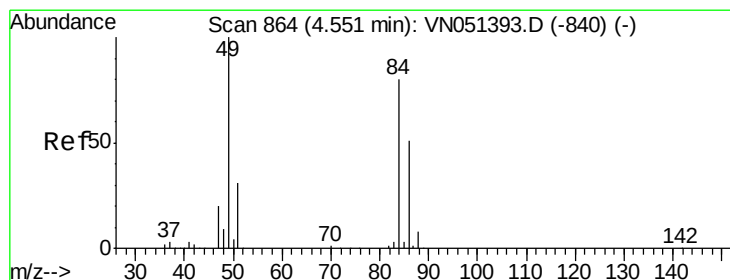
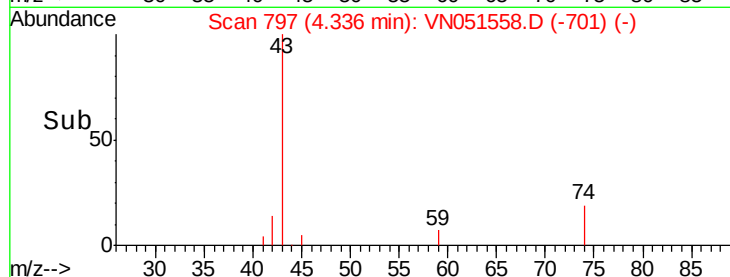
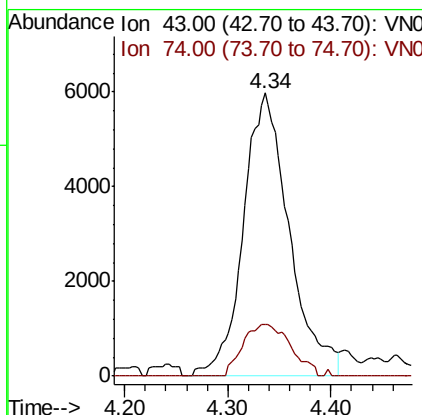
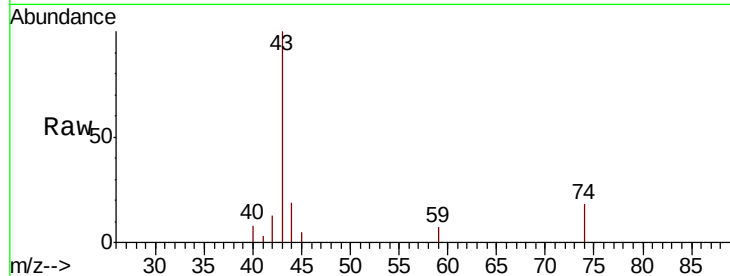




#18
Methyl Acetate
Concen: 3.237 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

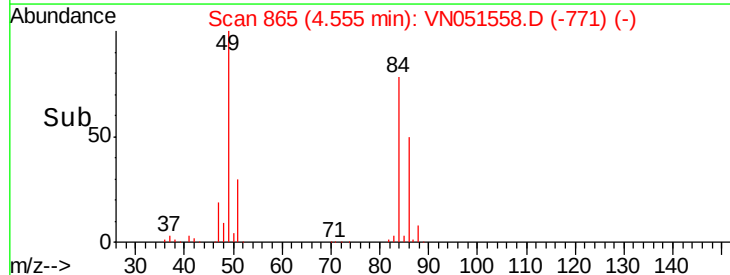
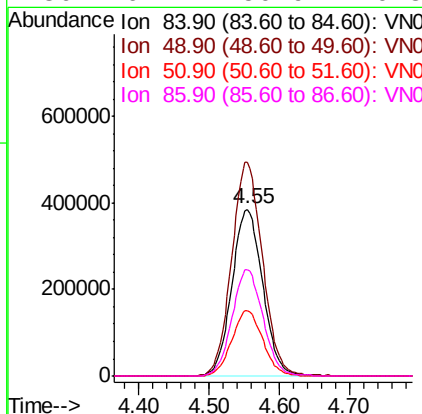
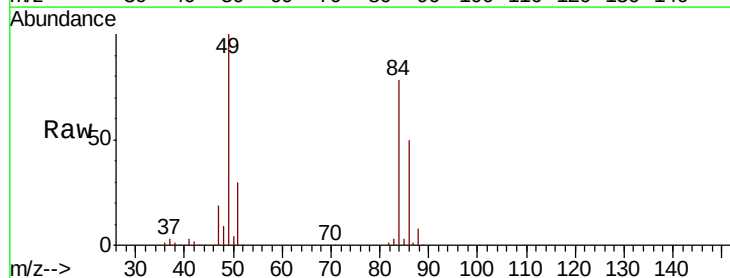
Instrument :
MSVOA_N
ClientSampleId :
CS-RBR-200028

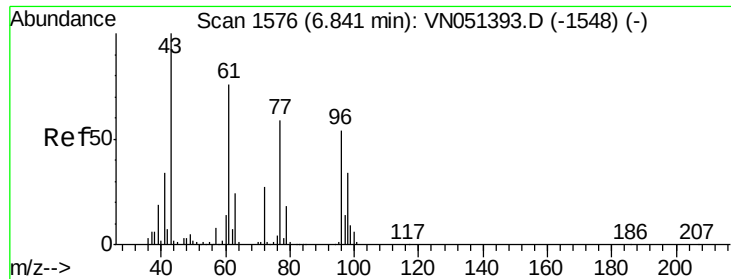
Tot Ion: 43 Resp: 18521
Ion Ratio Lower Upper
43 100
74 19.0 18.8 28.2



#20
Methylene Chloride
Concen: 158.259 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

Tgt Ion: 84 Resp: 1176418
Ion Ratio Lower Upper
84 100
49 128.3 99.9 149.9
51 39.0 31.4 47.2
86 64.1 50.9 76.3

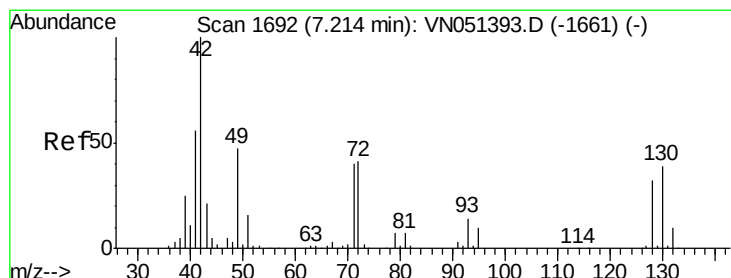
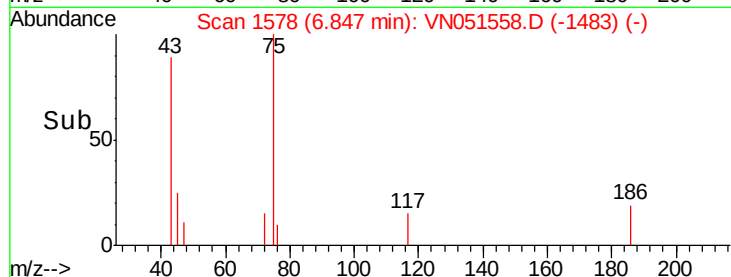
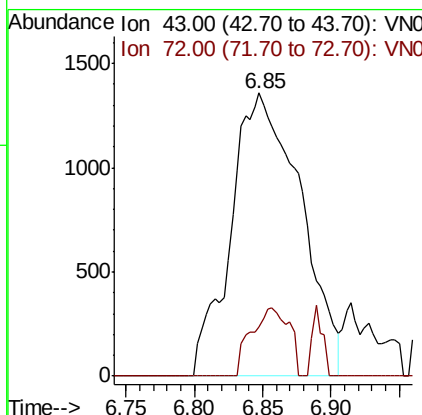
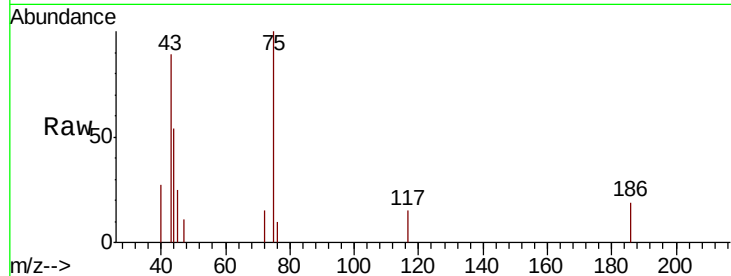




#25
 2-Butanone
 Concen: 1.879 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN051558.D
 Acq: 27 Sep 2018 00:55

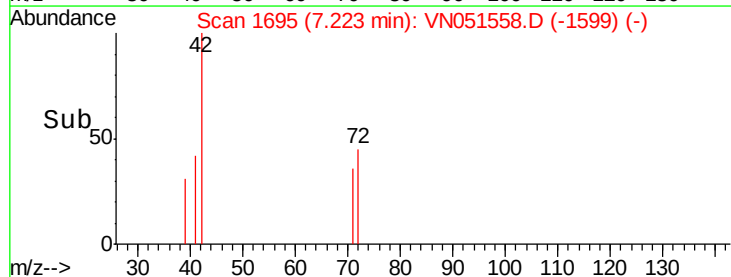
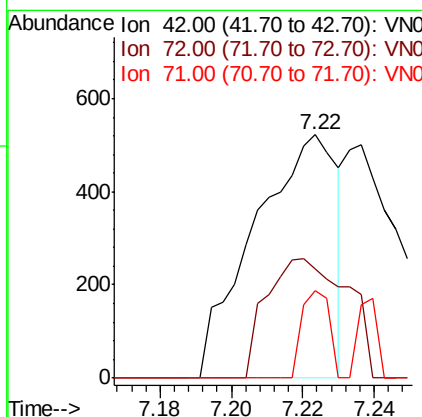
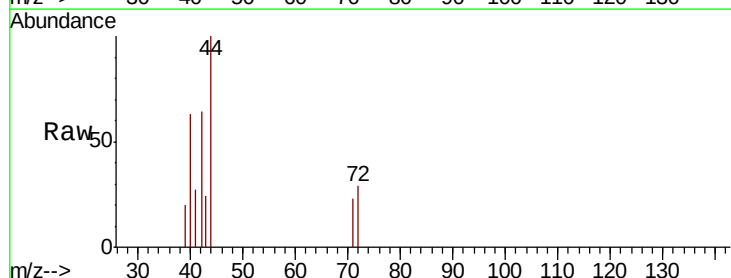
Instrument :
 MSVOA_N
 ClientSampleId :
 CS-RBR-200028

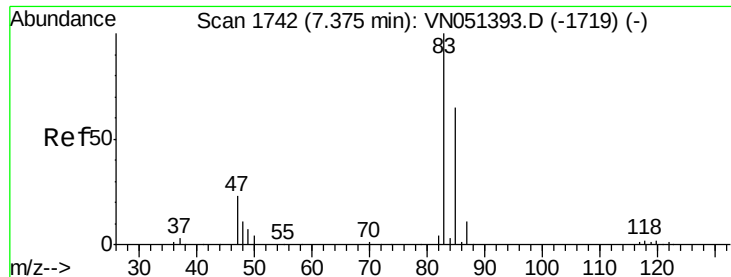
Tot Ion: 43 Resp: 4830
 Ion Ratio Lower Upper
 43 100
 72 17.2 21.8 32.6#



#29
 Tetrahydrofuran
 Concen: 0.514 ug/l
 RT: 7.22 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VN051558.D
 Acq: 27 Sep 2018 00:55

Tgt Ion: 42 Resp: 837
 Ion Ratio Lower Upper
 42 100
 72 47.9 34.3 51.5
 71 11.8 32.2 48.4#

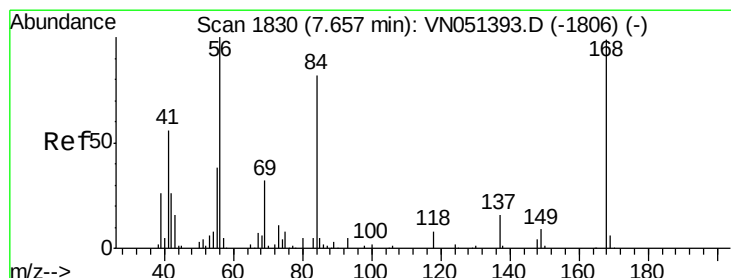
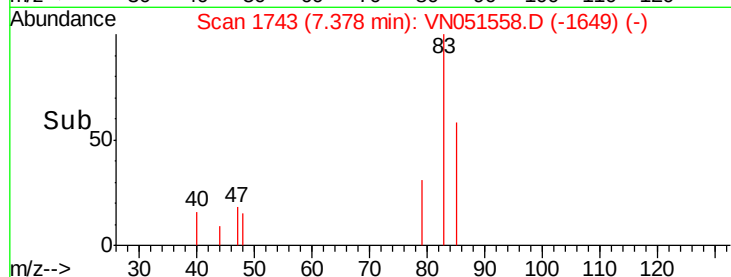
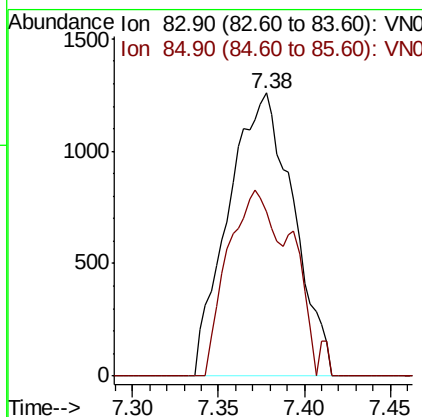
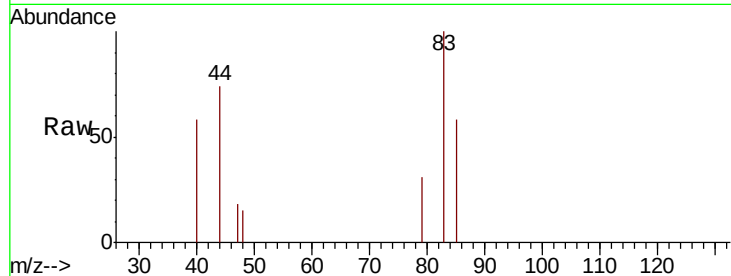




#30
Chloroform
Concen: 0.258 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

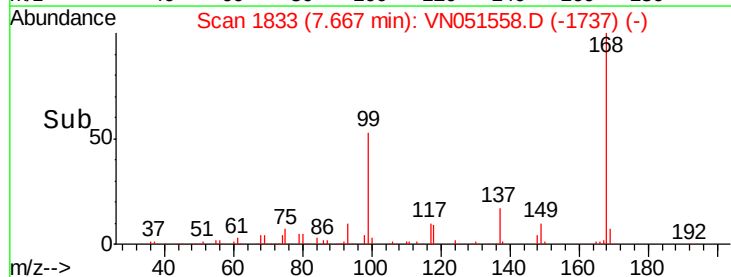
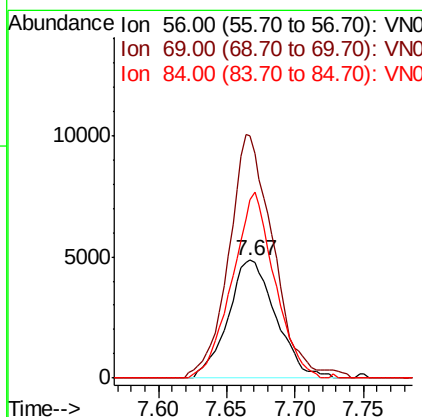
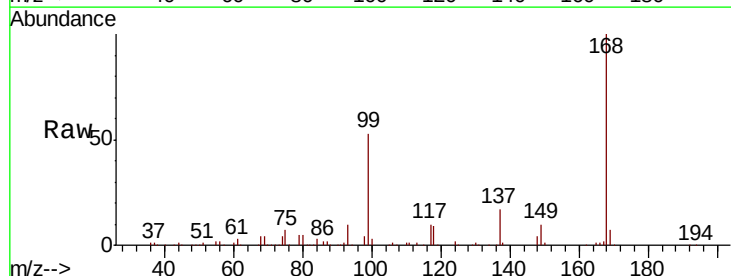
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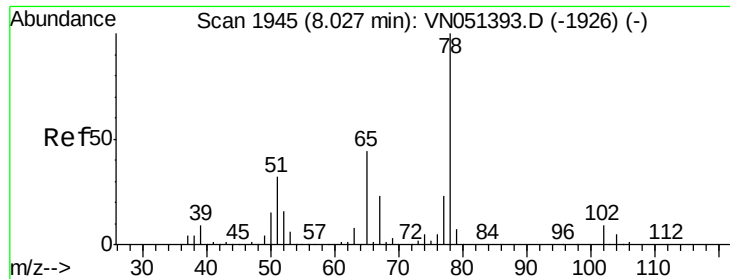
Tot Ion: 83 Resp: 3305
Ion Ratio Lower Upper
83 100
85 58.0 51.8 77.6



#31
Cyclohexane
Concen: 1.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

Tgt Ion: 56 Resp: 11827
Ion Ratio Lower Upper
56 100
69 201.6 25.8 38.6#
84 152.1 66.0 99.0#

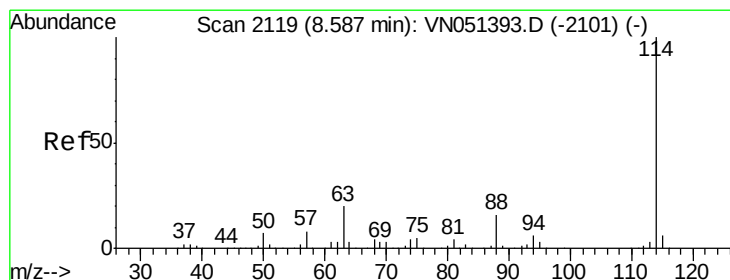
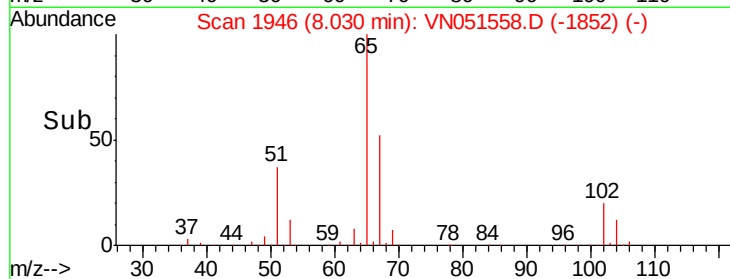
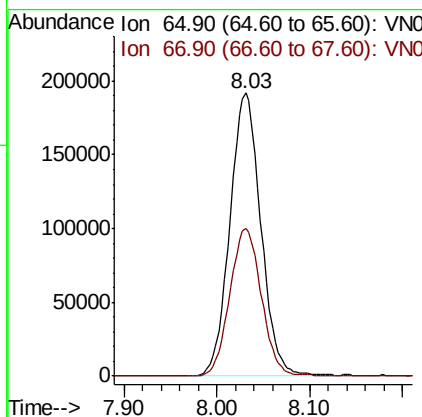
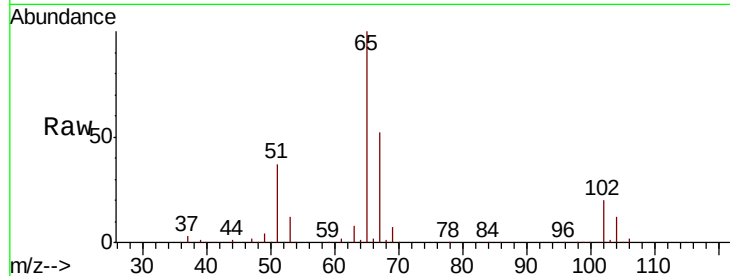




#33
 1,2-Dichloroethane-d4
 Concen: 59.137 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051558.D
 Acq: 27 Sep 2018 00:55

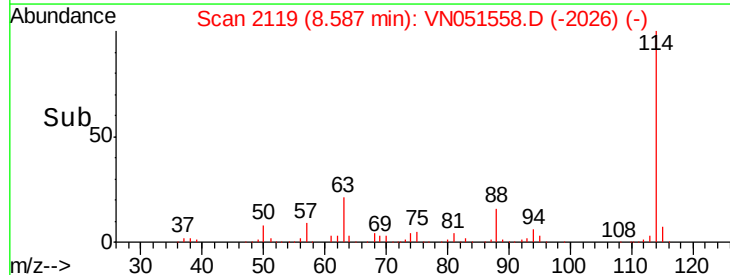
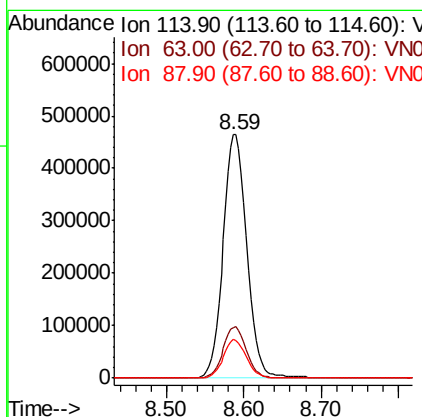
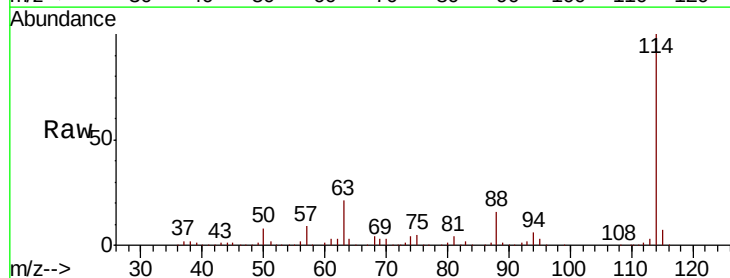
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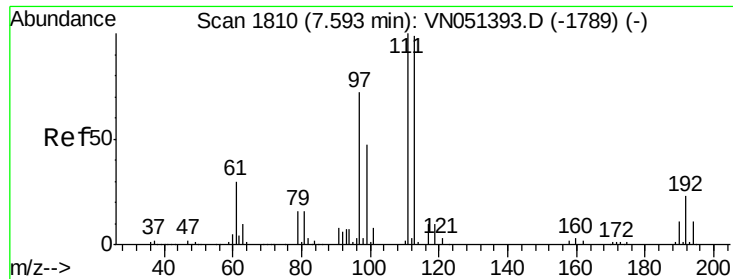
Tot Ion: 65 Resp: 444239
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051558.D
 Acq: 27 Sep 2018 00:55

Tgt Ion: 114 Resp: 987381
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.2
 88 15.7 0.0 31.4

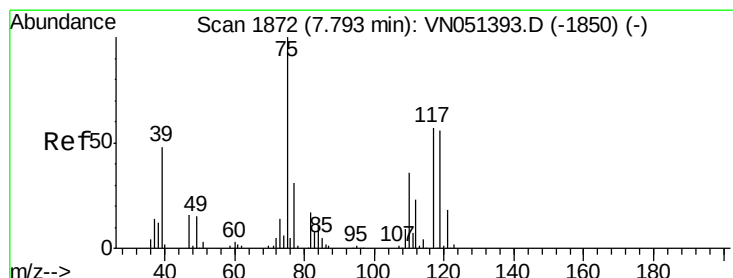
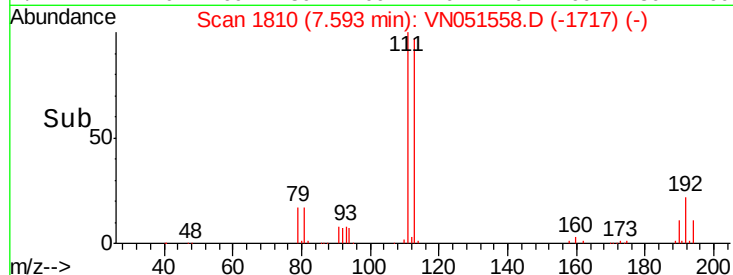
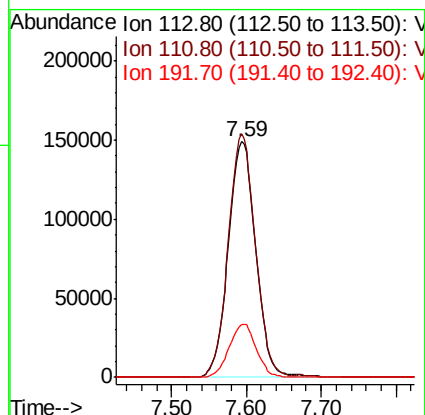
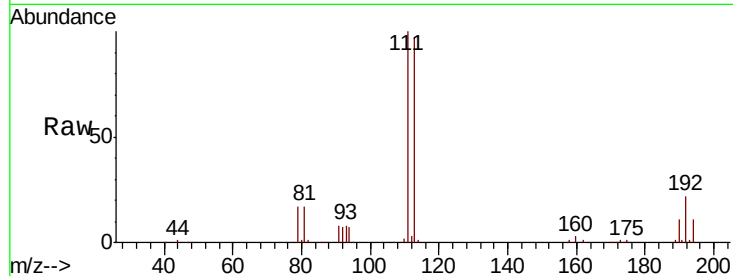




#35
 Dibromofluoromethane
 Concen: 48.282 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051558.D
 Acq: 27 Sep 2018 00:55

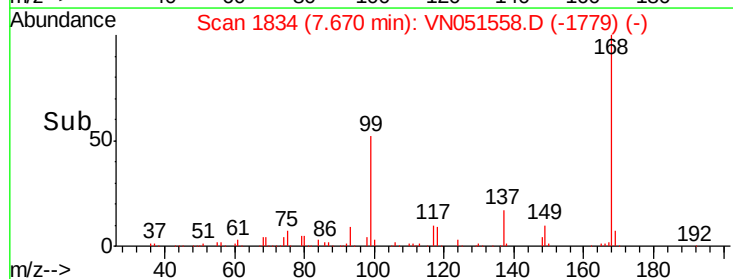
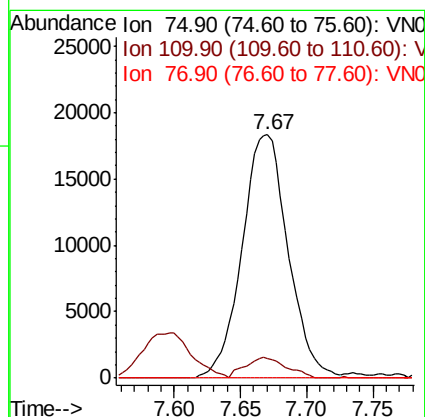
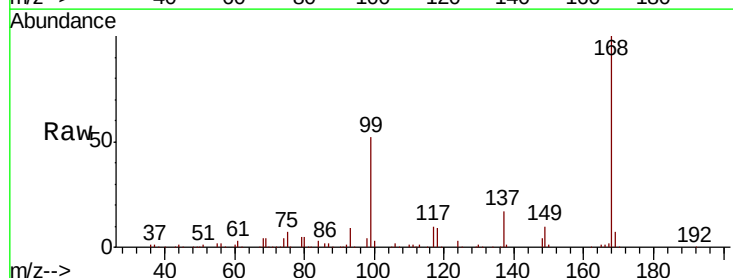
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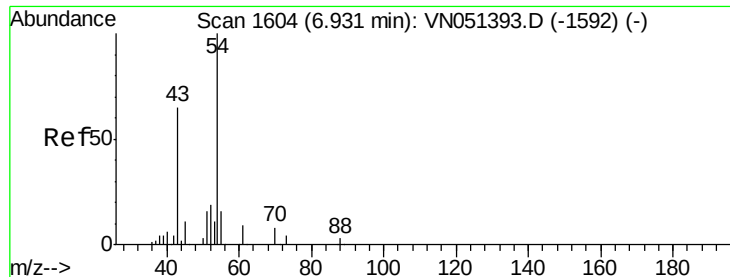
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.6	123.8
192	22.2	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.884 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051558.D
 Acq: 27 Sep 2018 00:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.1	54.3#
77	0.0	25.6	38.4#

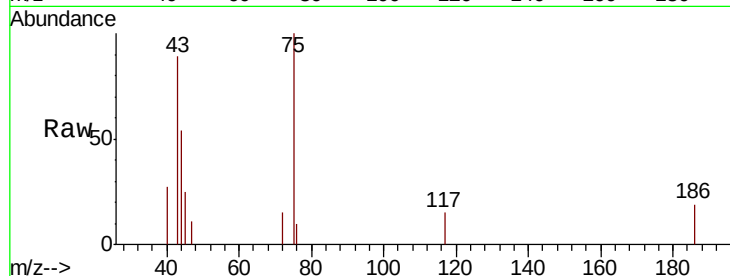




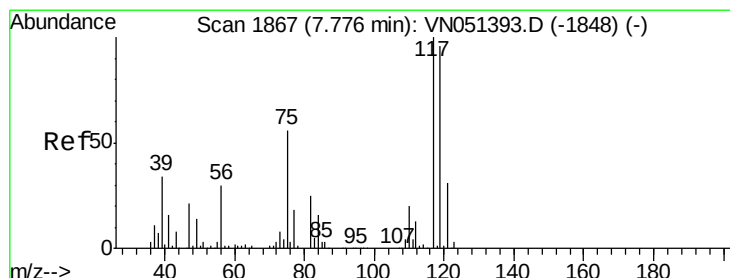
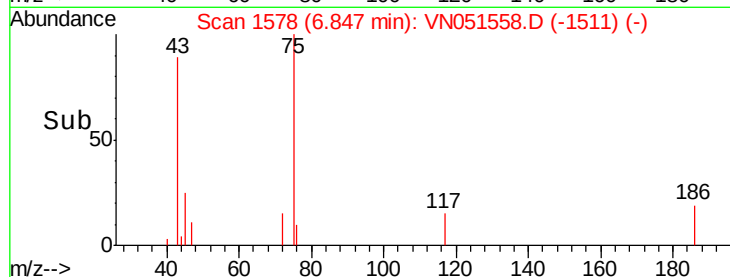
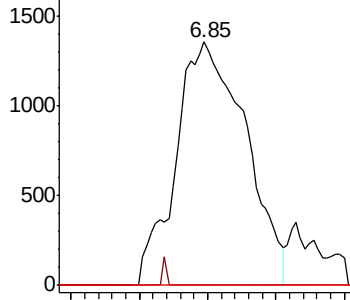
#37
Ethyl Acetate
Concen: 0.735 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.08 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

Instrument :
MSVOA_N
ClientSampleId :
CS-RBR-200028

Tot Ion: 43 Resp: 4830
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

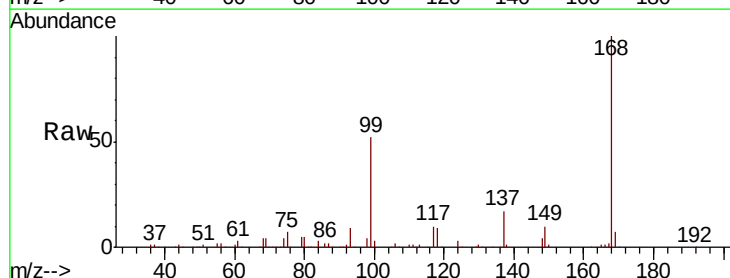


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

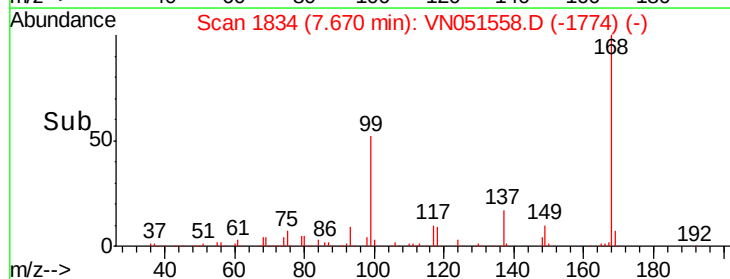
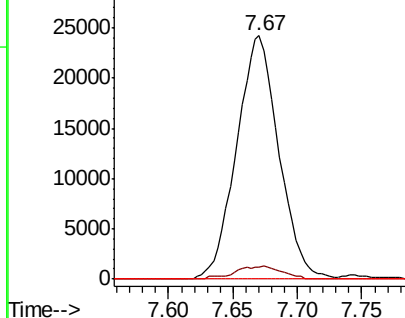


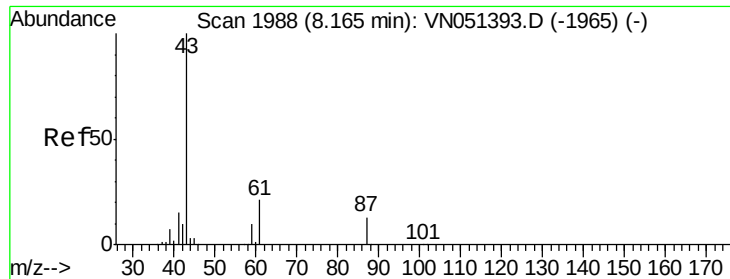
#38
Carbon Tetrachloride
Concen: 4.620 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.11 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

Tgt Ion: 117 Resp: 55256
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.6 37.0#



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: 34.200 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051558.D

Acq: 27 Sep 2018 00:55

Instrument :

MSVOA_N

ClientSampleId :

CS-RBR-200028

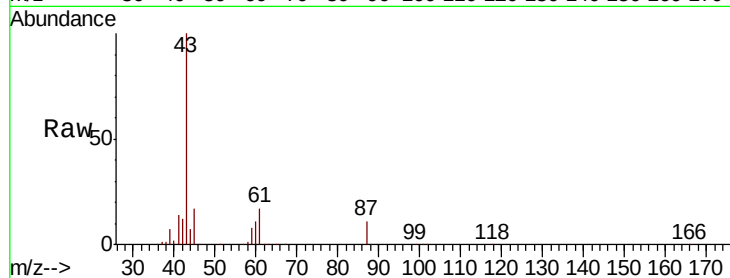
Tot Ion: 43 Resp: 406563

Ion Ratio Lower Upper

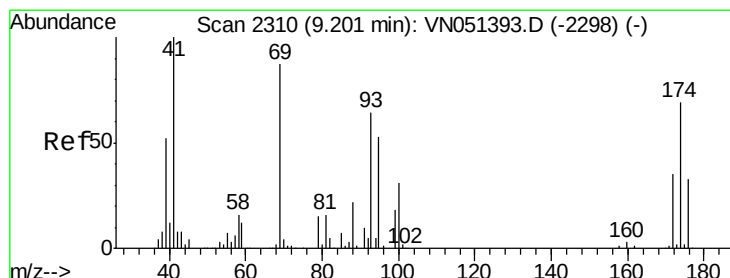
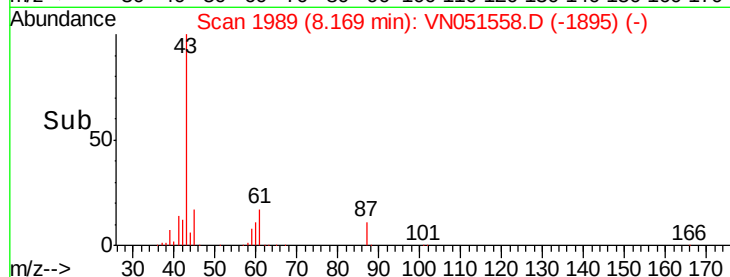
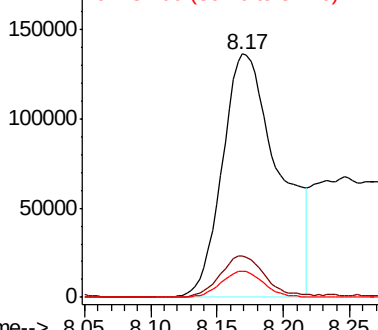
43 100

61 13.6 16.8 25.2#

87 8.1 10.7 16.1#



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



#48

Methyl methacrylate

Concen: 1.231 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN051558.D

Acq: 27 Sep 2018 00:55

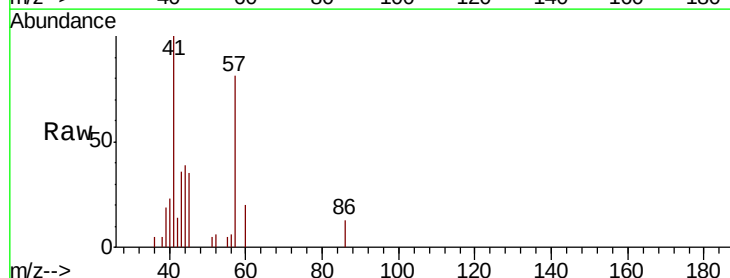
Tgt Ion: 41 Resp: 7294

Ion Ratio Lower Upper

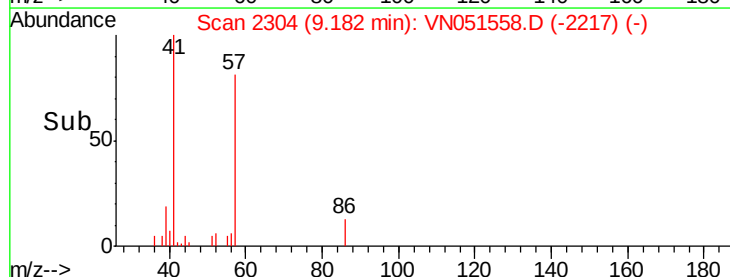
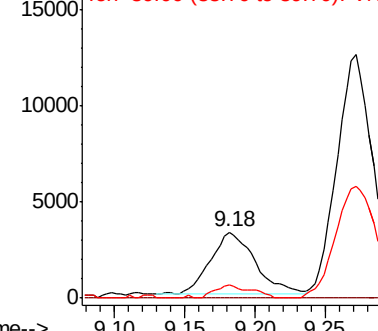
41 100

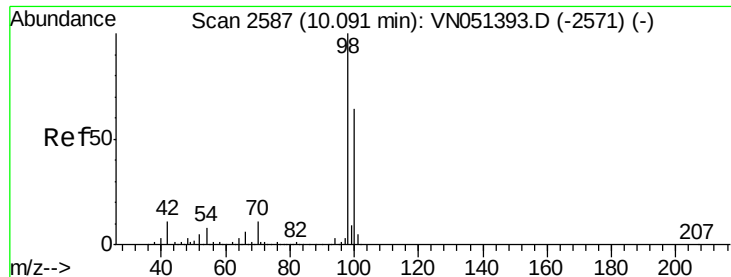
69 0.0 70.4 105.6#

39 16.9 43.8 65.8#



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

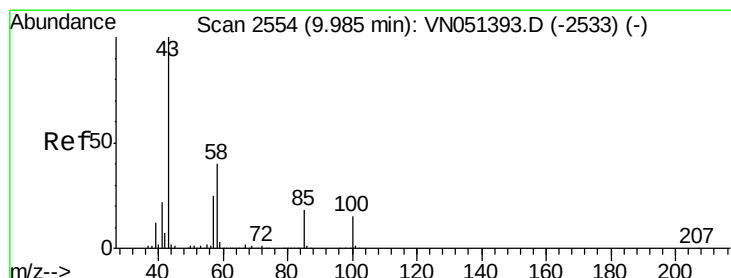
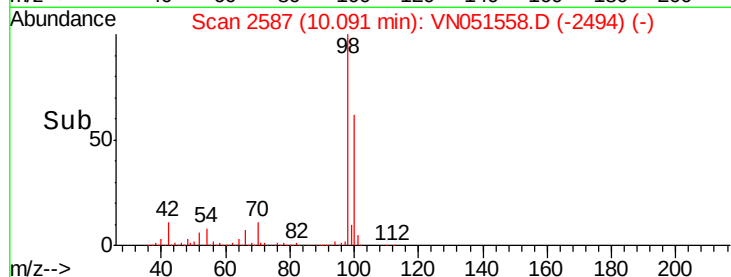
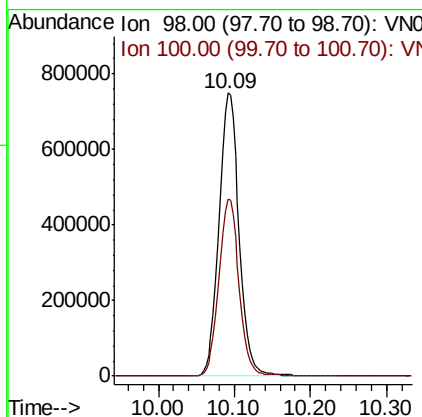
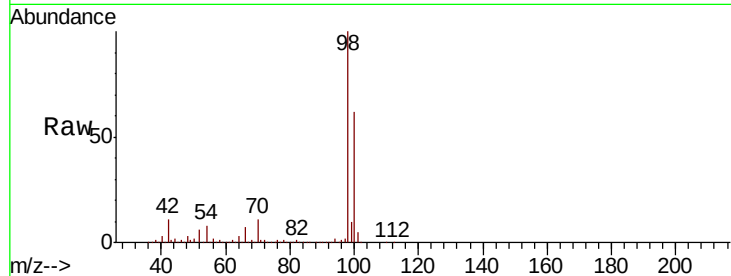




#50
Toluene-d8
Concen: 46.273 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

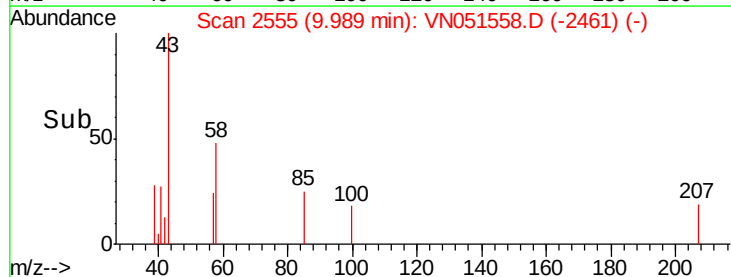
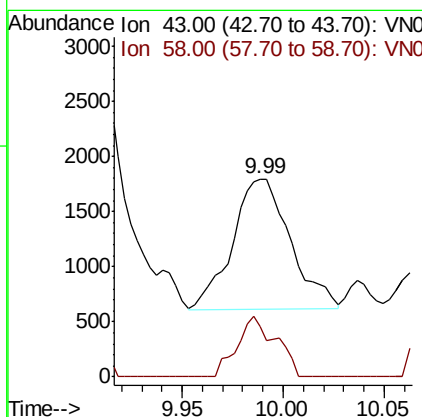
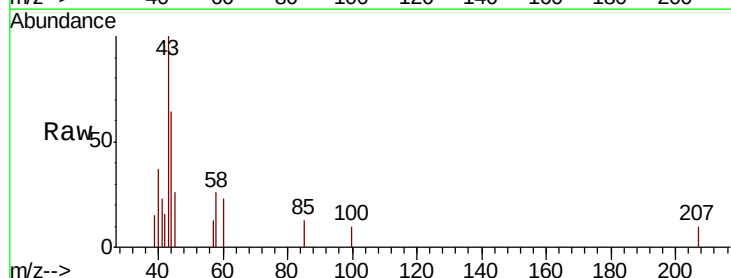
Instrument :
MSVOA_N
ClientSampleId :
CS-RBR-200028

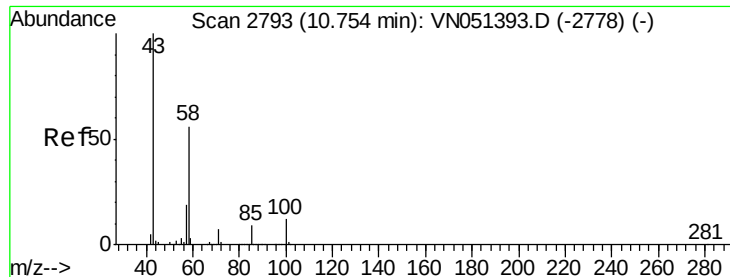
Tot Ion: 98 Resp: 1375803
Ion Ratio Lower Upper
98 100
100 62.9 50.6 75.8



#51
4-Methyl-2-Pentanone
Concen: 0.363 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

Tgt Ion: 43 Resp: 2376
Ion Ratio Lower Upper
43 100
58 31.1 31.5 47.3#

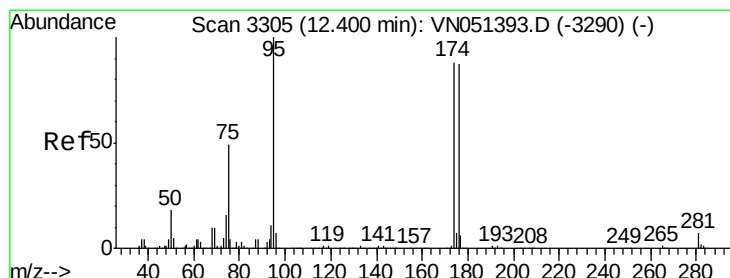
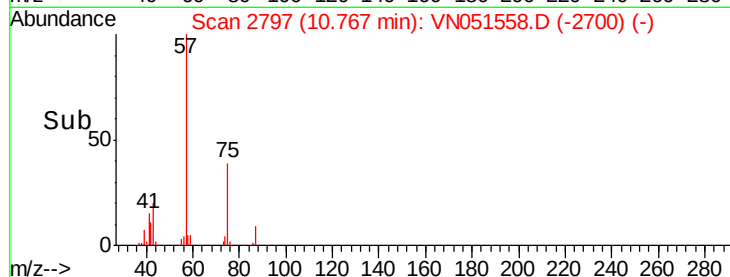
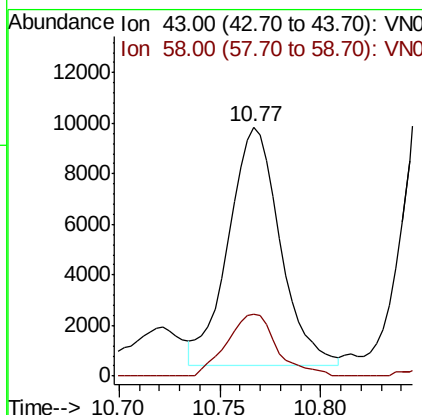
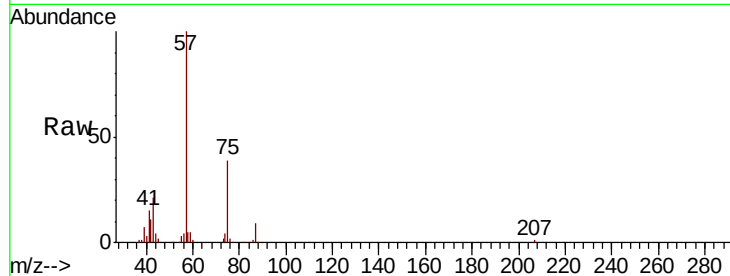




#59
 2-Hexanone
 Concen: 3.983 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN051558.D
 Acq: 27 Sep 2018 00:55

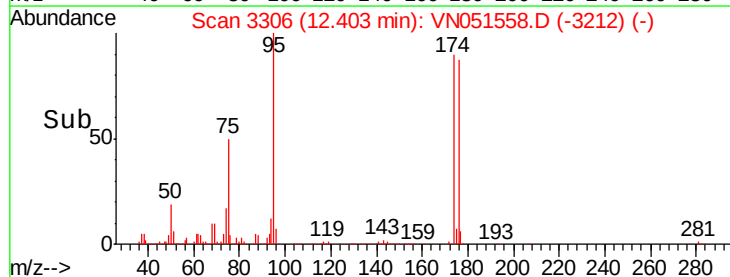
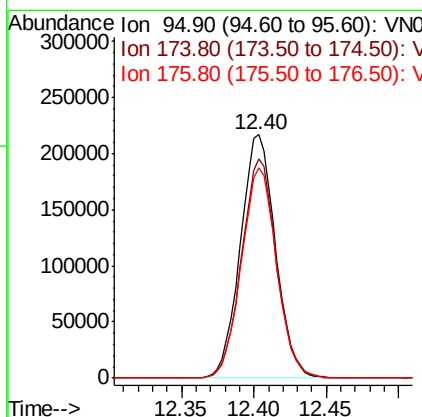
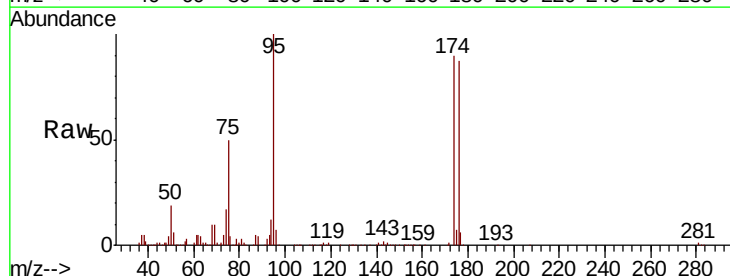
Instrument :
 MSVOA_N
 ClientSampleId :
 CS-RBR-200028

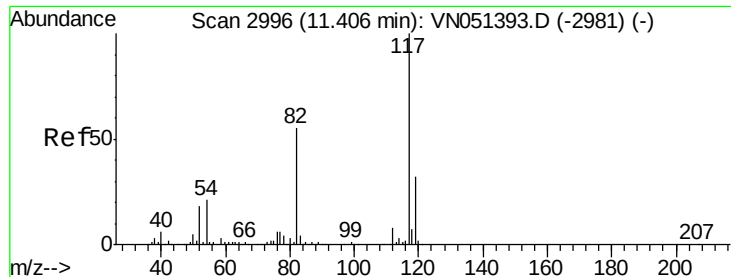
Tot Ion: 43 Resp: 16880
 Ion Ratio Lower Upper
 43 100
 58 25.4 27.7 83.0#



#62
 4-Bromofluorobenzene
 Concen: 37.855 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051558.D
 Acq: 27 Sep 2018 00:55

Tgt Ion: 95 Resp: 364098
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 181.6
 176 86.8 0.0 176.4

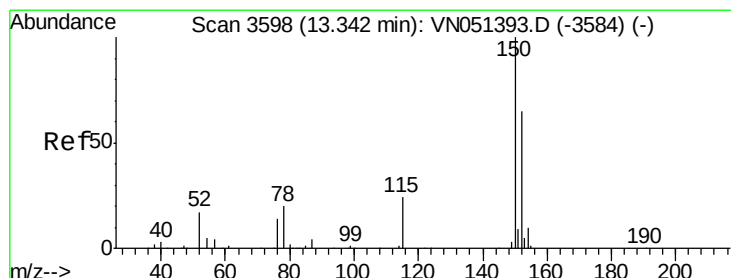
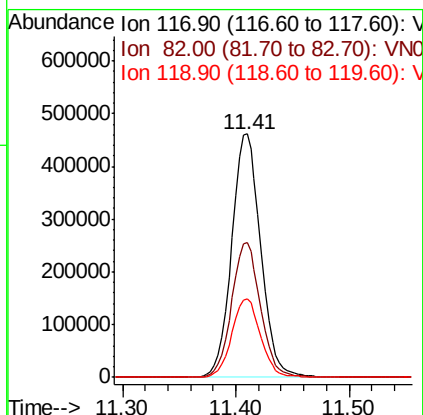
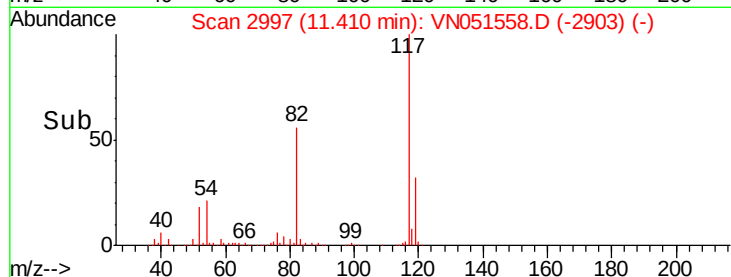
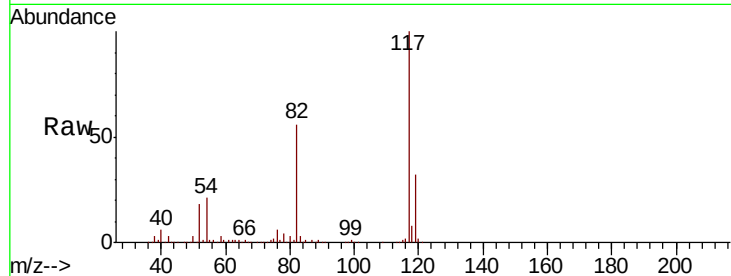




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

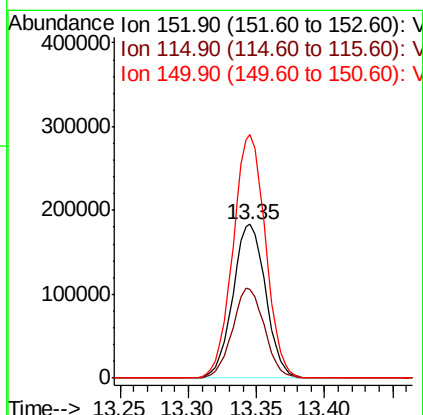
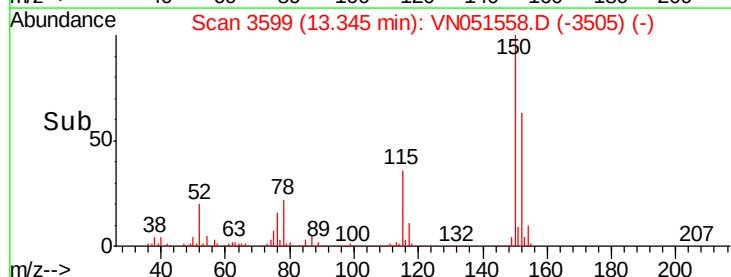
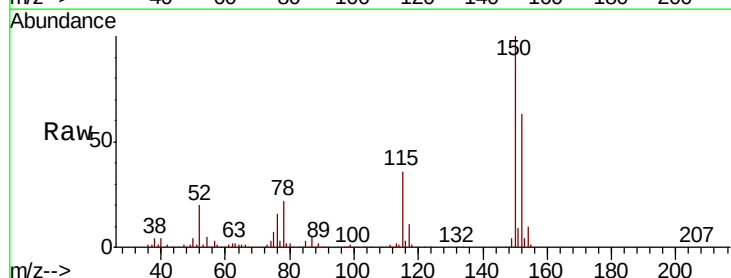
Instrument :
MSVOA_N
ClientSampleId :
CS-RBR-200028

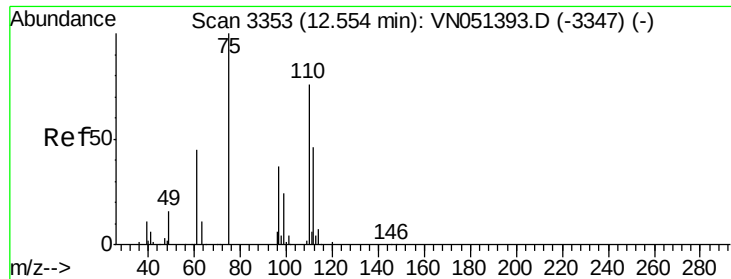
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.2
119	32.4	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.3	84.9
150	156.4	0.0	353.6





#76

1,2,3-Trichloropropane

Concen: 36.070 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051558.D

Acq: 27 Sep 2018 00:55

Instrument :

MSVOA_N

ClientSampleId :

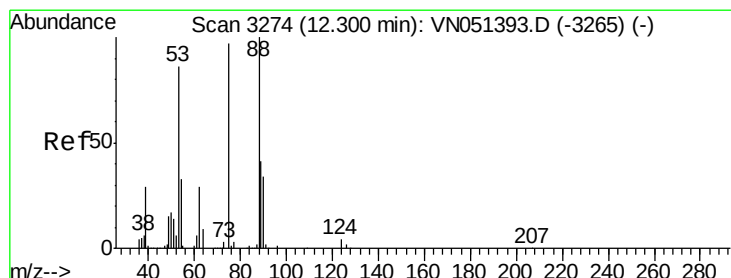
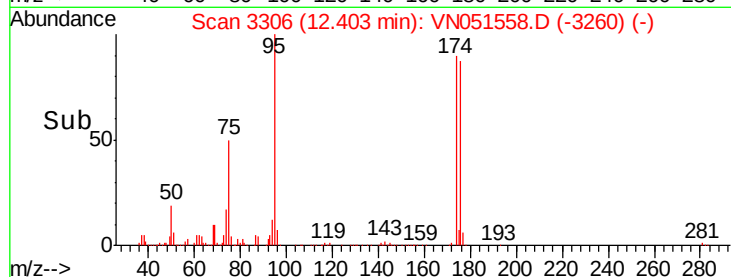
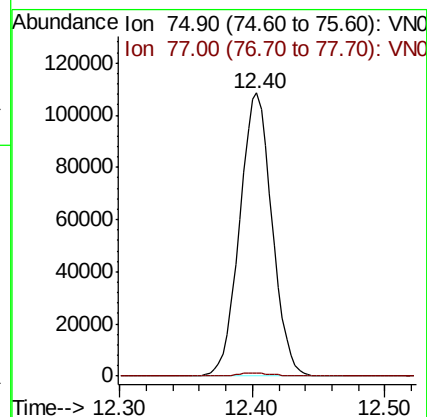
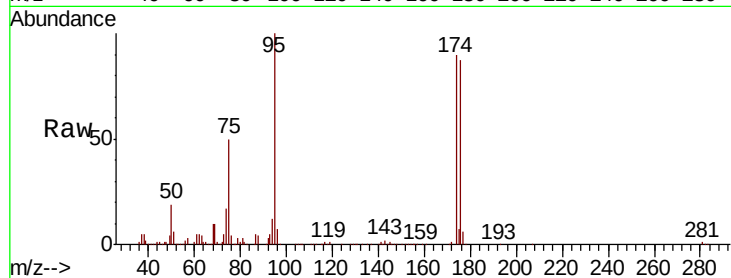
CS-RBR-200028

Tot Ion: 75 Resp: 183588

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.912 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051558.D

Acq: 27 Sep 2018 00:55

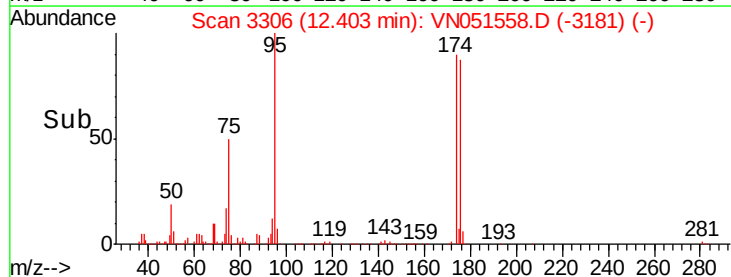
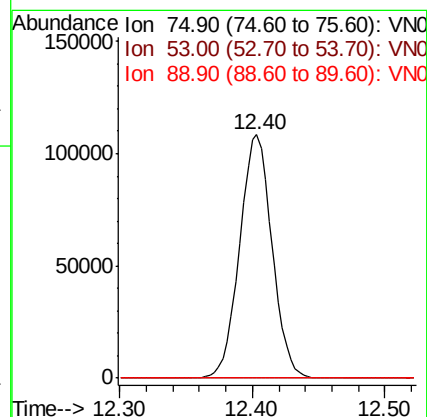
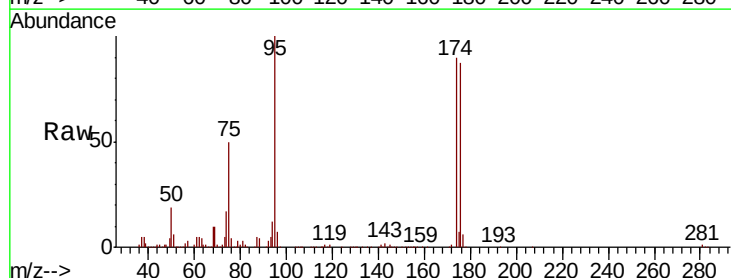
Tgt Ion: 75 Resp: 183588

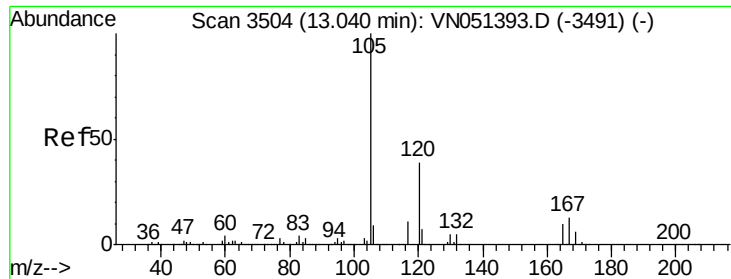
Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

89 0.0 36.7 55.1#

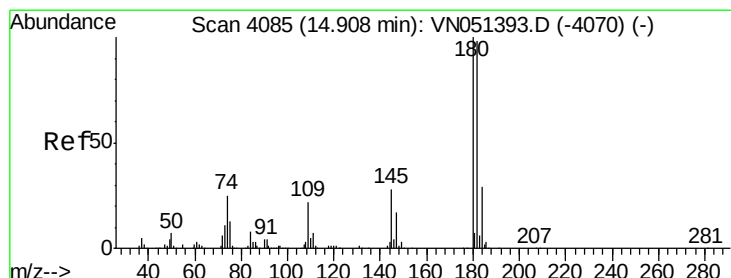
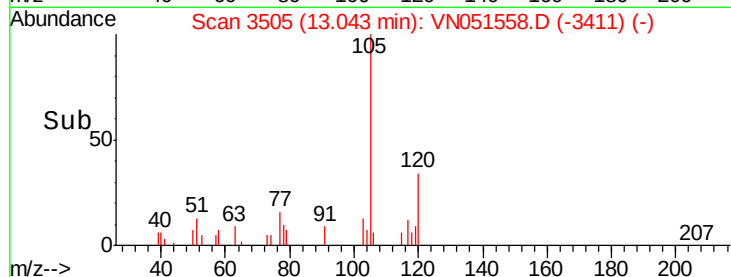
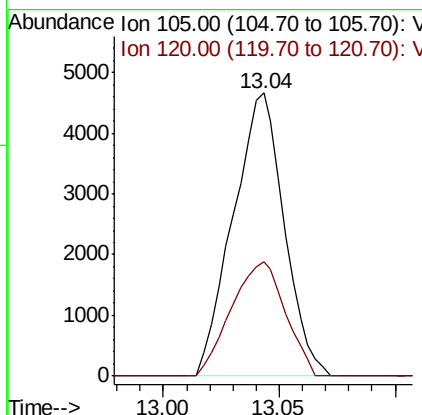
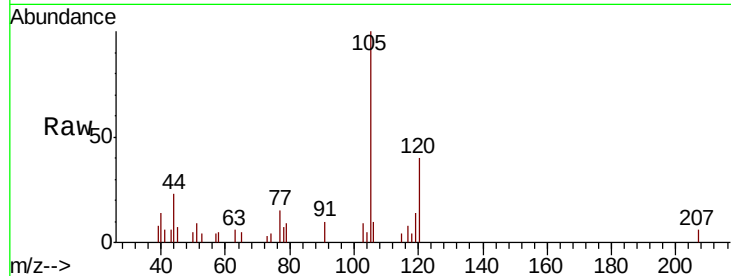




#84
 1,2,4-Trimethylbenzene
 Concen: 0.336 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN051558.D
 Acq: 27 Sep 2018 00:55

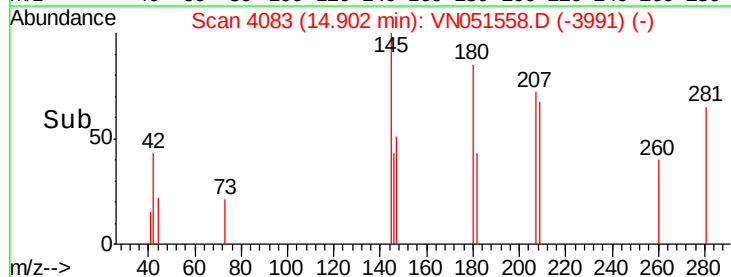
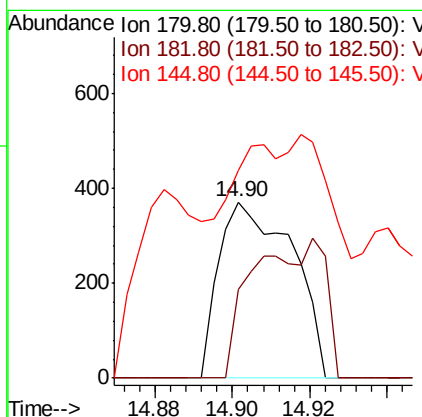
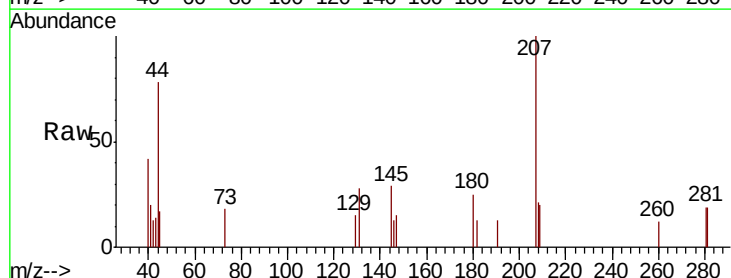
Instrument :
 MSVOA_N
 ClientSampleId :
 CS-RBR-200028

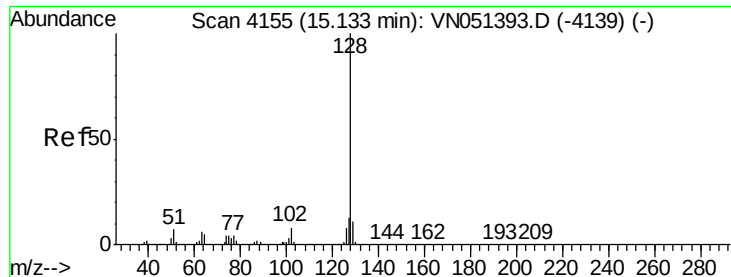
Tot Ion:105 Resp: 7133
 Ion Ratio Lower Upper
 105 100
 120 42.6 22.9 68.7



#93
 1,2,4-Trichlorobenzene
 Concen: 6.054 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.01 min
 Lab File: VN051558.D
 Acq: 27 Sep 2018 00:55

Tgt Ion:180 Resp: 490
 Ion Ratio Lower Upper
 180 100
 182 55.5 48.5 145.6
 145 26.7 14.1 42.4

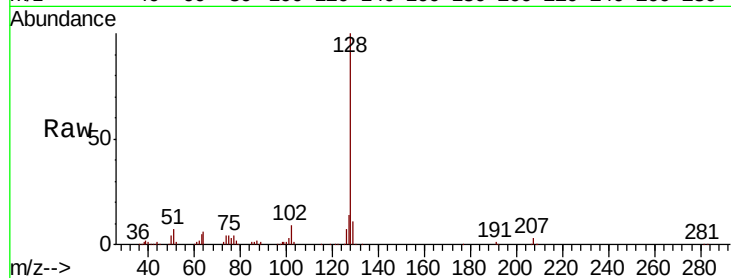




#95
Naphthalene
Concen: 18.349 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051558.D
Acq: 27 Sep 2018 00:55

Instrument :
MSVOA_N
ClientSampleId :
CS-RBR-200028

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	10.9	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

