

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051556.D
 Acq On : 27 Sep 2018 00:05
 Operator : MD\SY
 Sample : J5070-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CS-RBR-200031

Quant Time: Sep 27 08:02:17 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	611529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1007021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	827831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	288211	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	450269	58.78	ug/l	0.00
Spiked Amount			Recovery	=	117.56%	
35) Dibromofluoromethane	7.60	113	380928	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
50) Toluene-d8	10.09	98	1387441	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	
62) 4-Bromofluorobenzene	12.40	95	367339	37.45	ug/l	0.00
Spiked Amount			Recovery	=	74.90%	

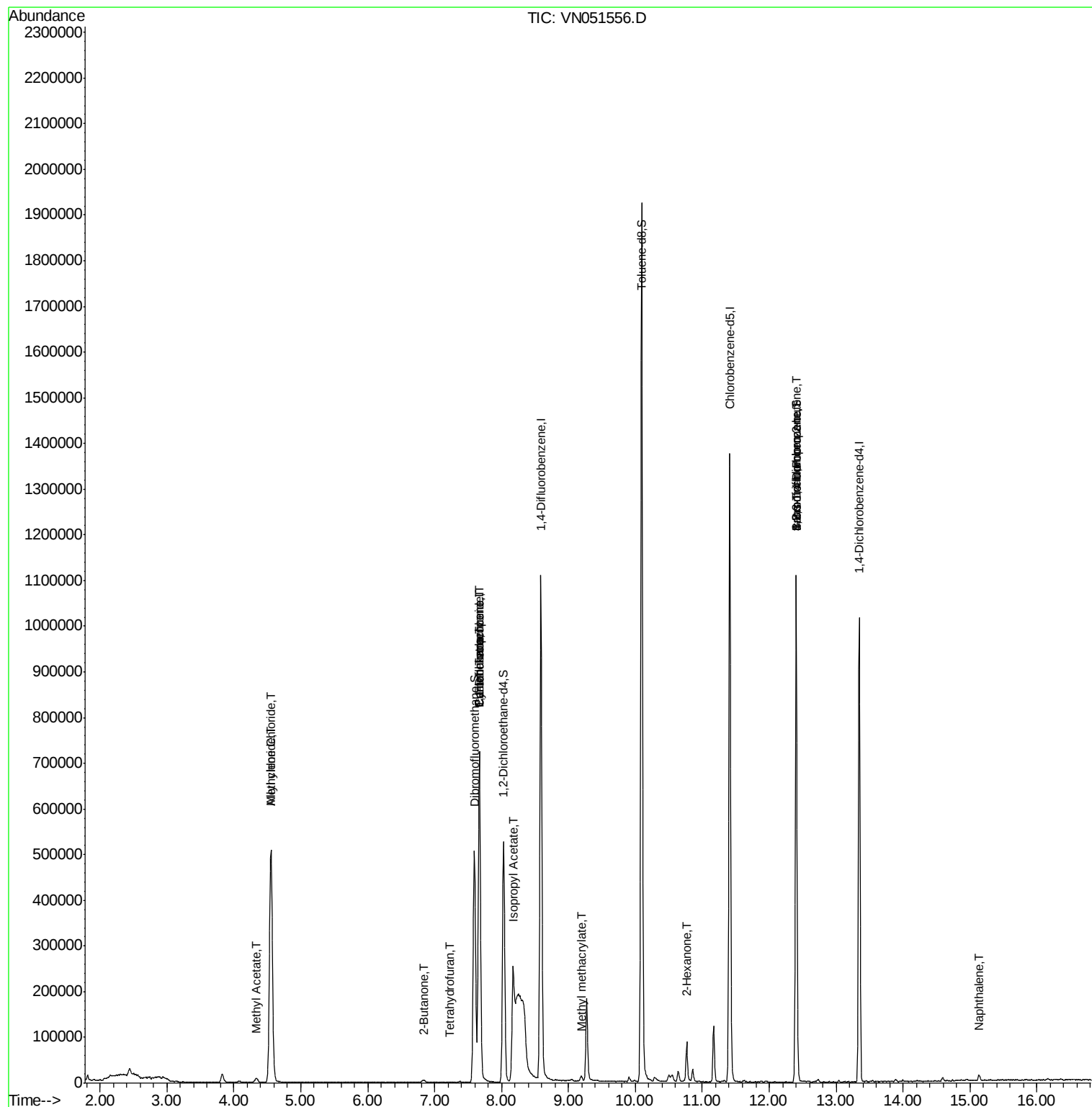
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.55	41	15678	1.373	ug/l #	26
16) Acetone	3.83	43	30526	Below Cal	#	86
18) Methyl Acetate	4.34	43	16746	2.870	ug/l	98
20) Methylene Chloride	4.55	84	381874	50.376	ug/l	97
25) 2-Butanone	6.85	43	4443	1.695	ug/l #	70
29) Tetrahydrofuran	7.23	42	918	0.552	ug/l #	47
31) Cyclohexane	7.67	56	11277	0.935	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44144	3.785	ug/l #	49
38) Carbon Tetrachloride	7.67	117	56026	4.593	ug/l #	16
43) Isopropyl Acetate	8.17	43	330802	27.284	ug/l #	86
48) Methyl methacrylate	9.18	41	5924	0.980	ug/l #	18
59) 2-Hexanone	10.77	43	12589	2.912	ug/l #	58
71) Bromoform	12.40	173	3183	0.580	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	180401	37.705	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	180401	115.942	ug/l #	13
95) Naphthalene	15.14	128	10489	8.866	ug/l #	96

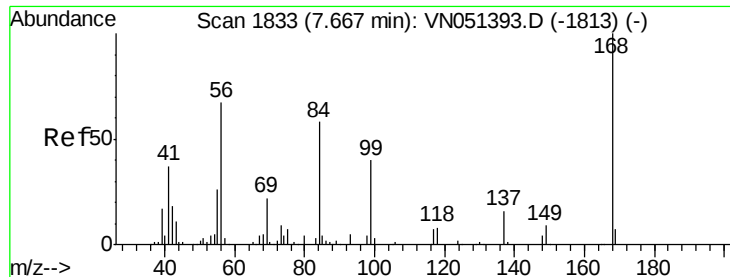
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051556.D

Acq: 27 Sep 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

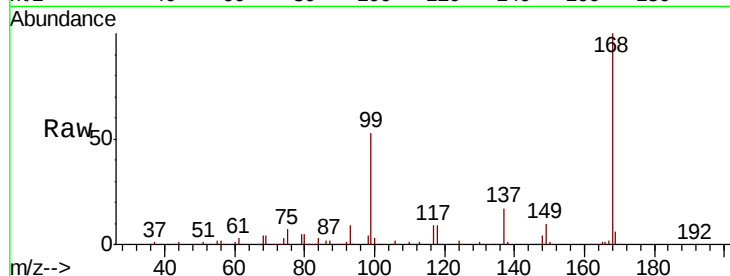
CS-RBR-200031

Tot Ion:168 Resp: 611529

Ion Ratio Lower Upper

168 100

99 52.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

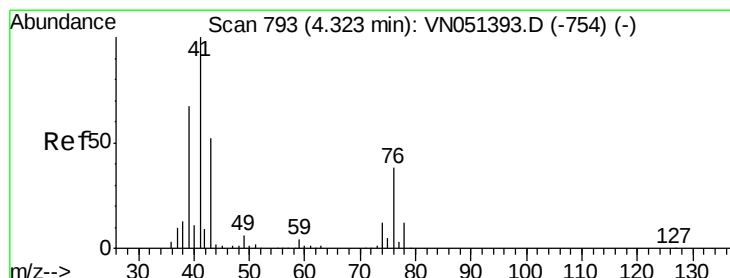
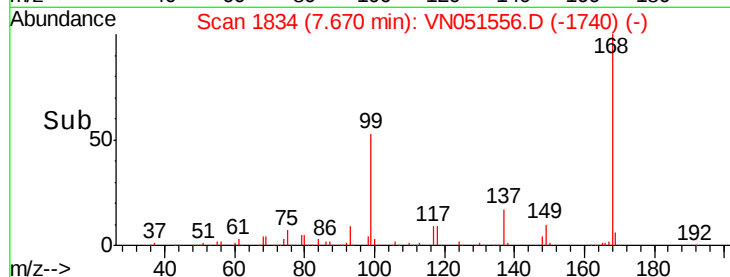
100000

50000

0

Time-->

7.60 7.70 7.80



#14

Allyl chloride

Concen: 1.373 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.22 min

Lab File: VN051556.D

Acq: 27 Sep 2018 00:05

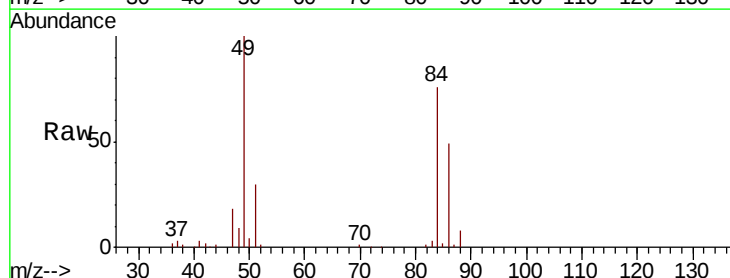
Tgt Ion: 41 Resp: 15678

Ion Ratio Lower Upper

41 100

39 0.0 51.4 77.2#

76 0.0 28.1 42.1#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.55

6000

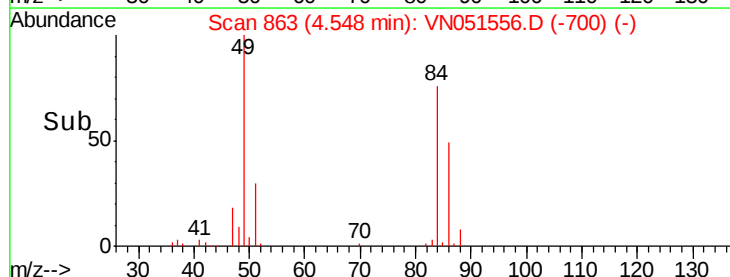
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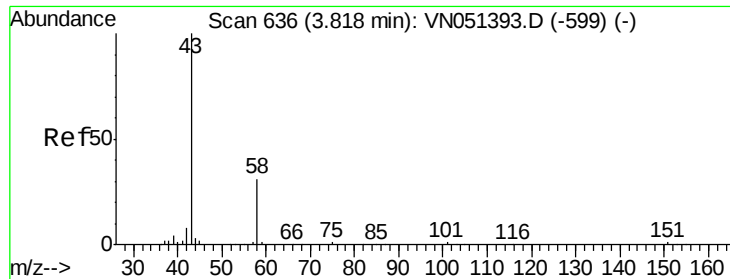
2000

0

Time-->

4.45 4.50 4.55 4.60 4.65





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051556.D

Acq: 27 Sep 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

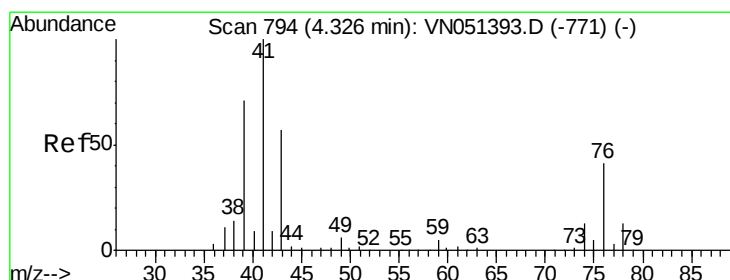
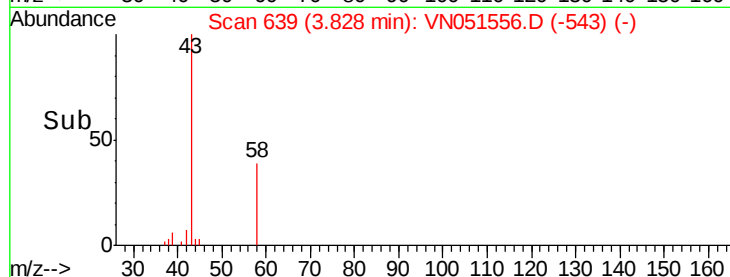
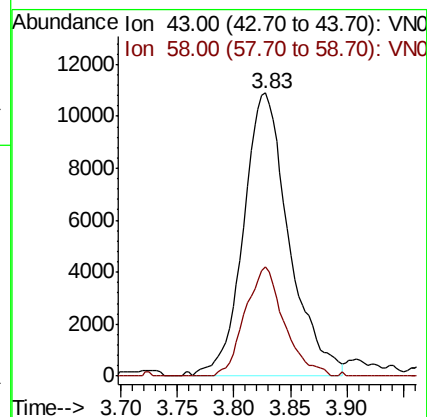
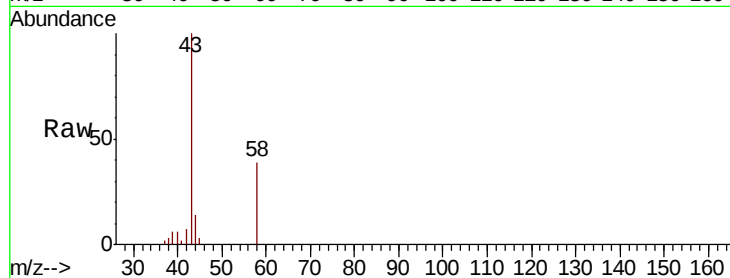
CS-RBR-200031

Tot Ion: 43 Resp: 30526

Ion Ratio Lower Upper

43 100

58 38.8 25.0 37.4#



#18

Methyl Acetate

Concen: 2.870 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051556.D

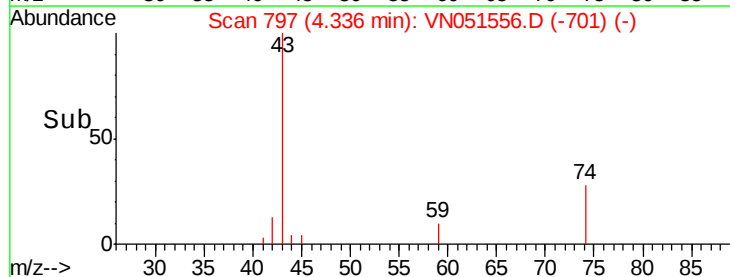
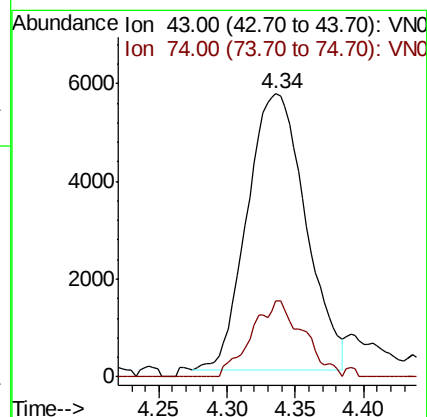
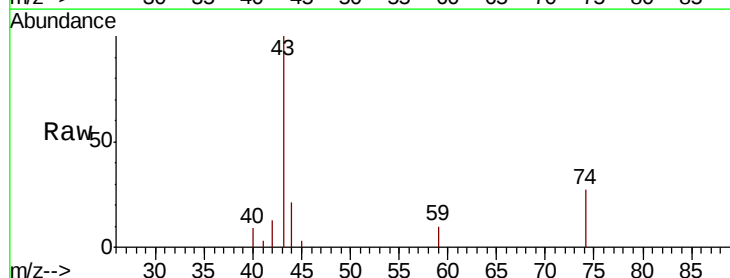
Acq: 27 Sep 2018 00:05

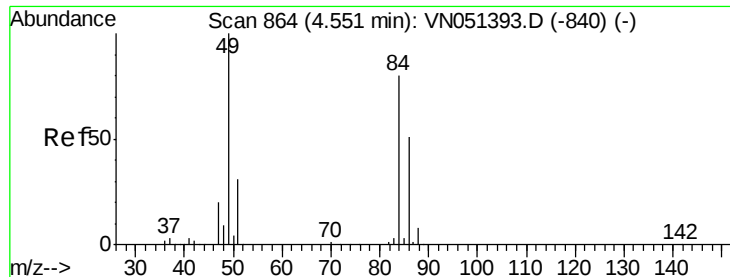
Tgt Ion: 43 Resp: 16746

Ion Ratio Lower Upper

43 100

74 24.5 18.8 28.2

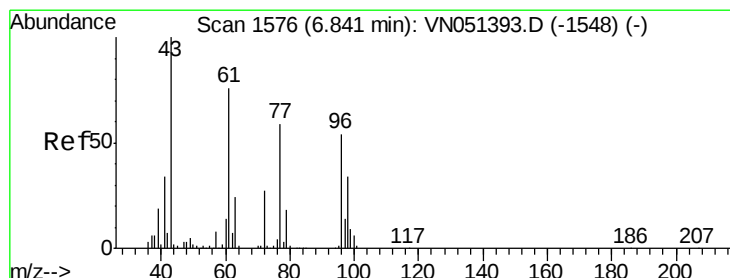
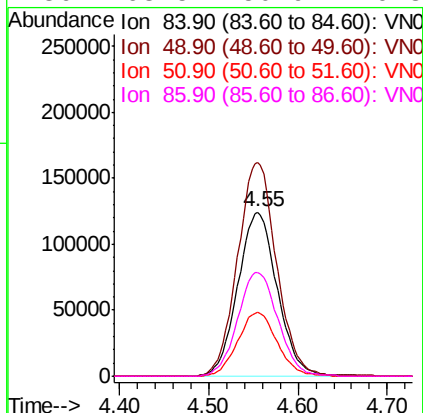
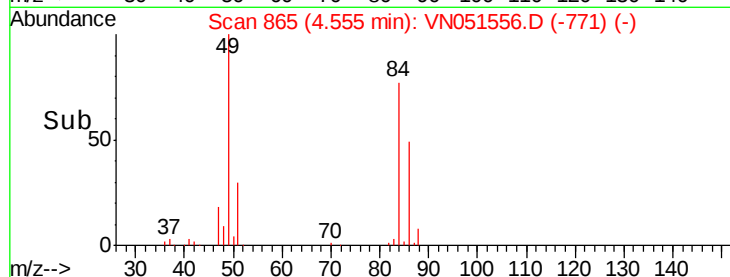
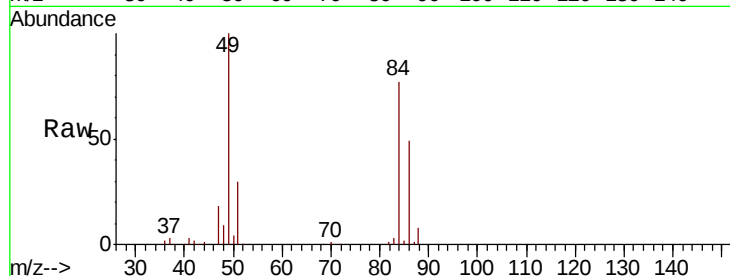




#20
Methvlene Chloride
Concen: 50.376 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051556.D
Acq: 27 Sep 2018 00:05

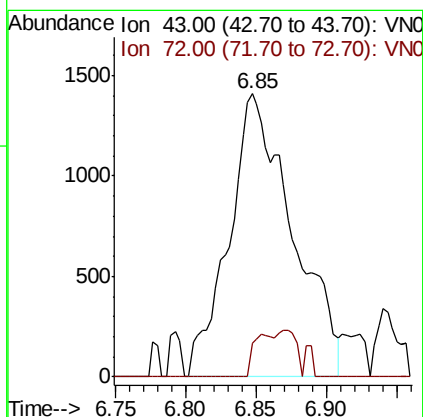
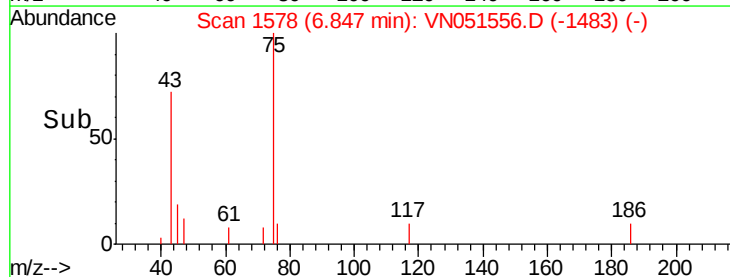
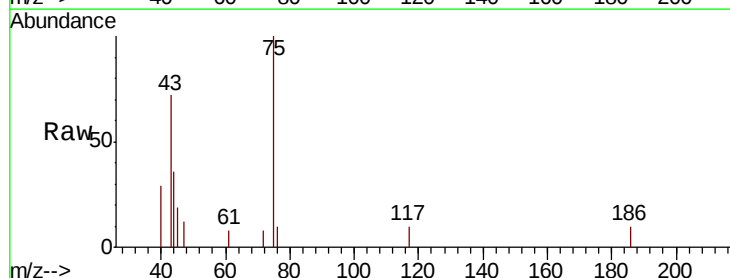
Instrument :
MSVOA_N
ClientSampleId :
CS-RBR-200031

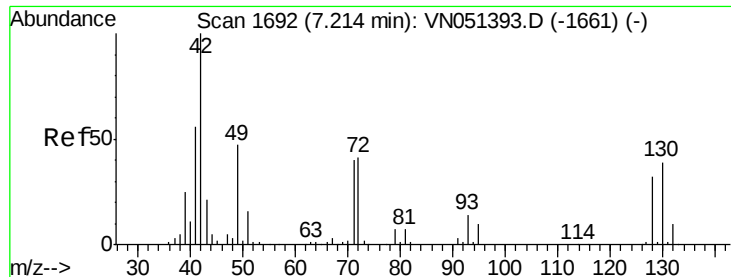
Tot Ion: 84 Resp: 381874
Ion Ratio Lower Upper
84 100
49 130.0 99.9 149.9
51 38.7 31.4 47.2
86 63.5 50.9 76.3



#25
2-Butanone
Concen: 1.695 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051556.D
Acq: 27 Sep 2018 00:05

Tgt Ion: 43 Resp: 4443
Ion Ratio Lower Upper
43 100
72 11.8 21.8 32.6#





#29

Tetrahydrofuran

Concen: 0.552 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN051556.D

Acq: 27 Sep 2018 00:05

Instrument :

MSVOA_N

ClientSampled :

CS-RBR-200031

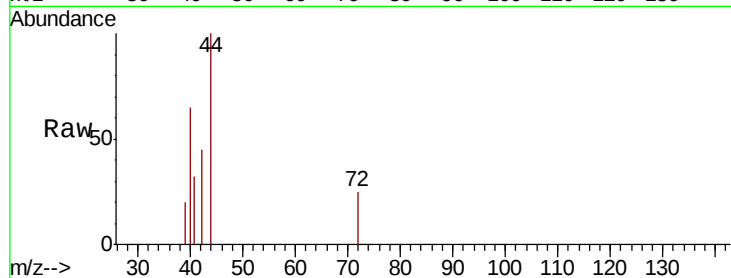
Tot Ion: 42 Resp: 918

Ion Ratio Lower Upper

42 100

72 16.0 34.3 51.5#

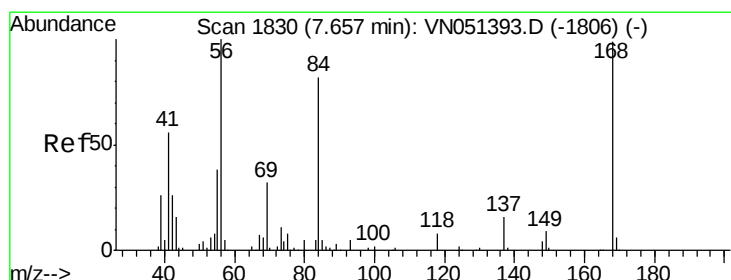
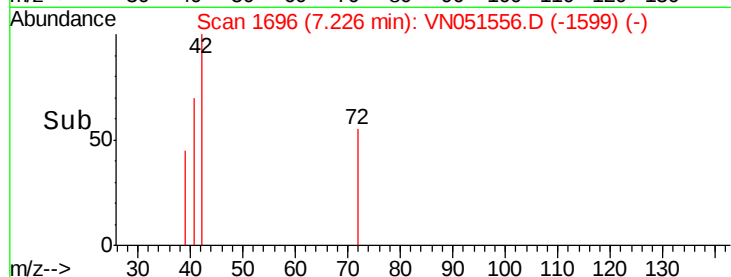
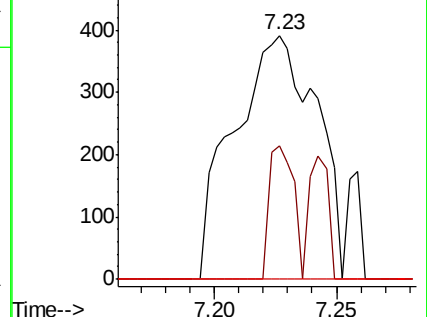
71 0.0 32.2 48.4#



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: 0.935 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051556.D

Acq: 27 Sep 2018 00:05

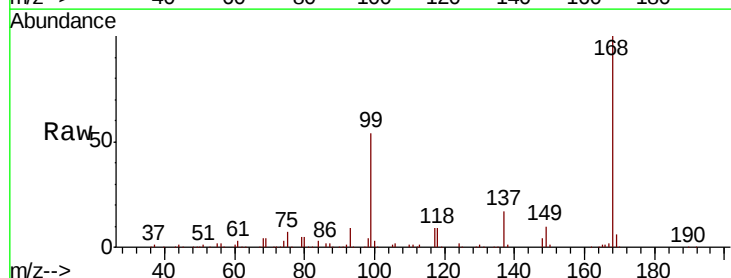
Tgt Ion: 56 Resp: 11277

Ion Ratio Lower Upper

56 100

69 209.1 25.8 38.6#

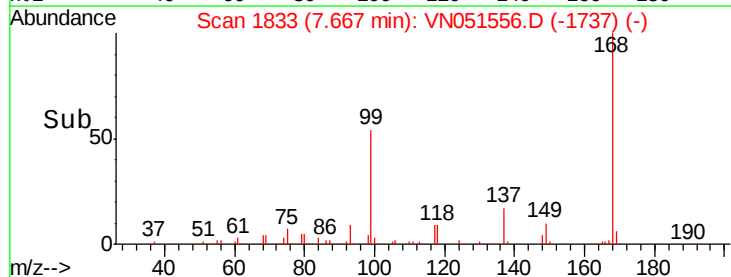
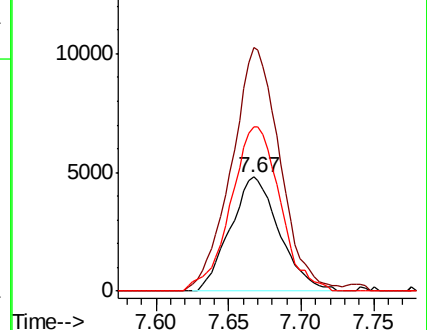
84 144.0 66.0 99.0#

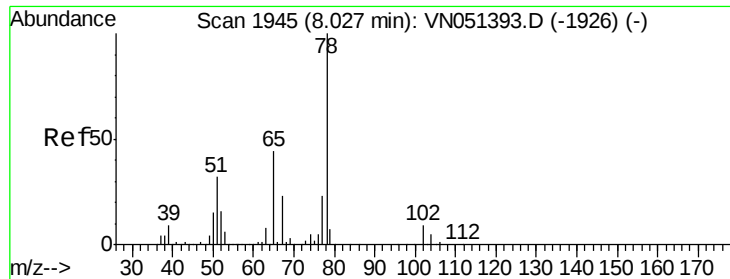


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 58.778 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051556.D

Acq: 27 Sep 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

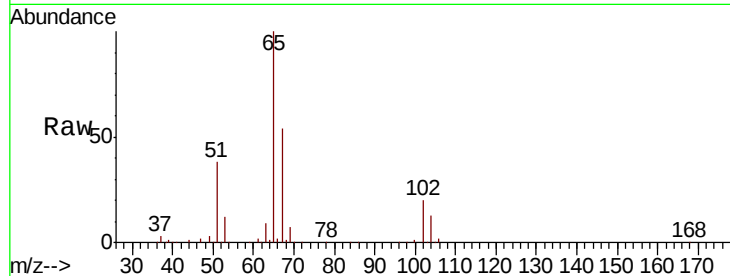
CS-RBR-200031

Tot Ion: 65 Resp: 450269

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN051393.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN051393.D (-1926) (-)

8.03

200000

150000

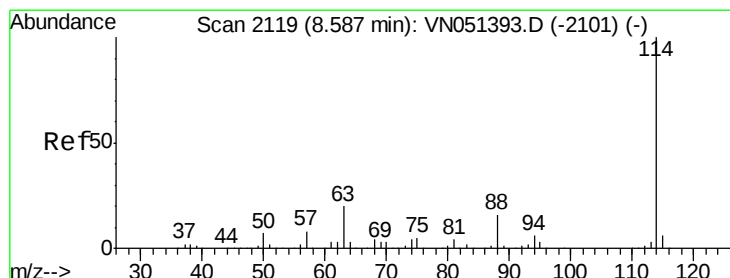
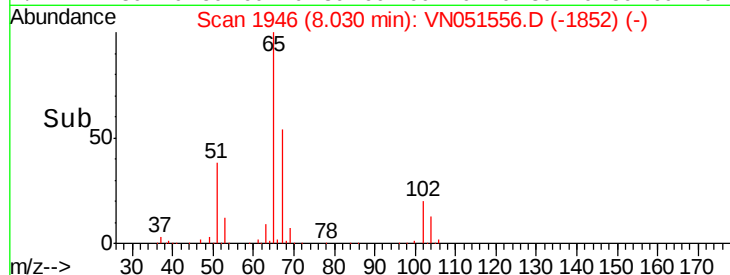
100000

50000

0

8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VN051556.D

Acq: 27 Sep 2018 00:05

Tgt Ion: 114 Resp: 1007021

Ion Ratio Lower Upper

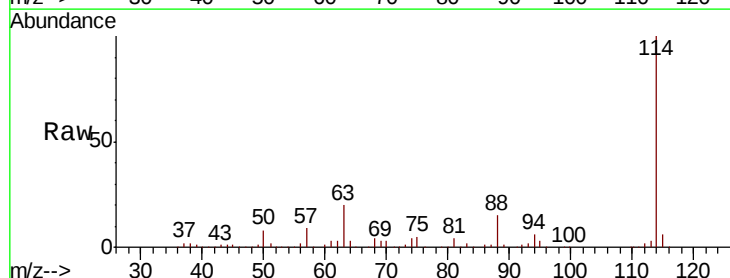
114 100

63 20.5

0.0 40.2

88 15.1

0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN051393.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051393.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN051393.D (-2101) (-)

8.59

600000

500000

400000

300000

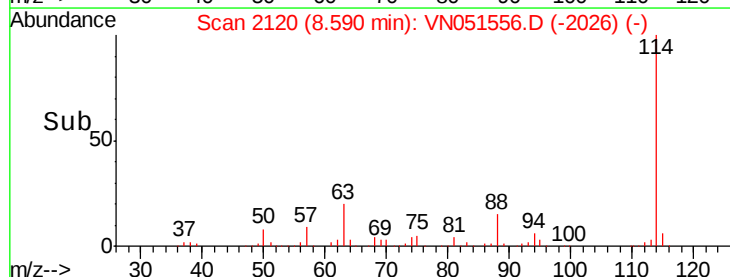
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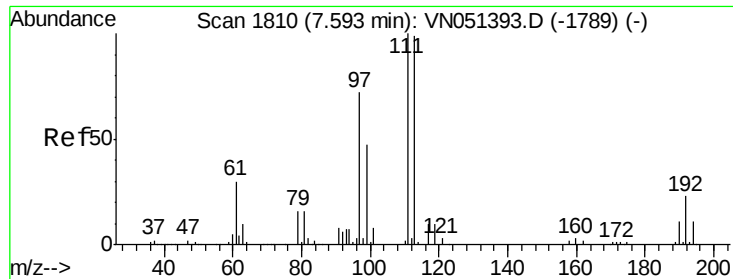
100000

0

8.50 8.60 8.70

Time-->

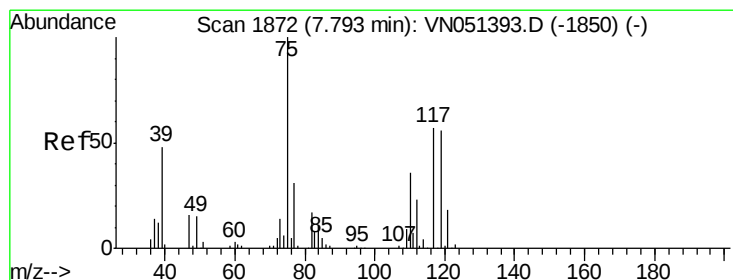
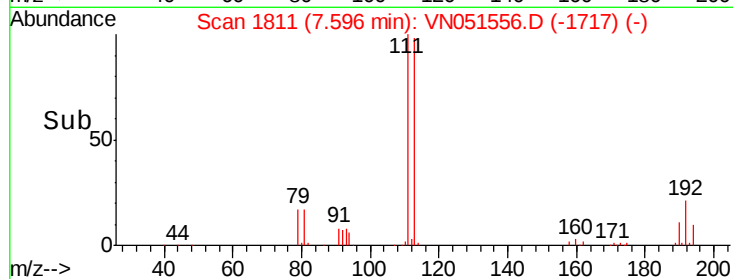
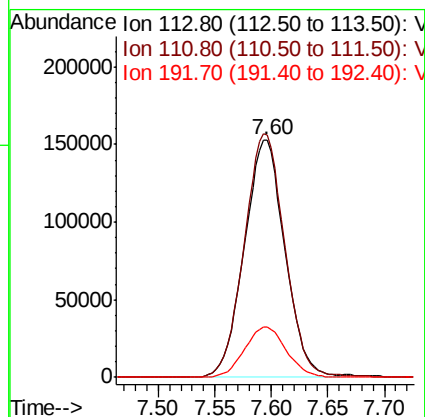
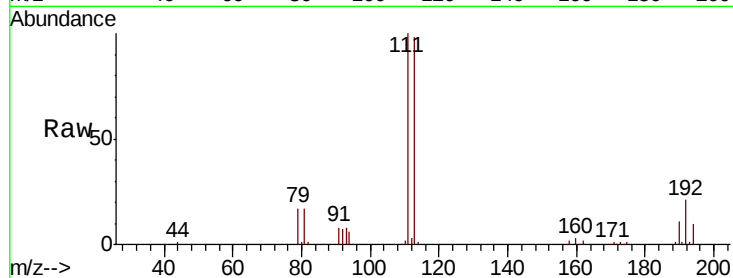




#35
 Dibromofluoromethane
 Concen: 47.304 ug/l
 RT: 7.60 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VN051556.D
 Acq: 27 Sep 2018 00:05

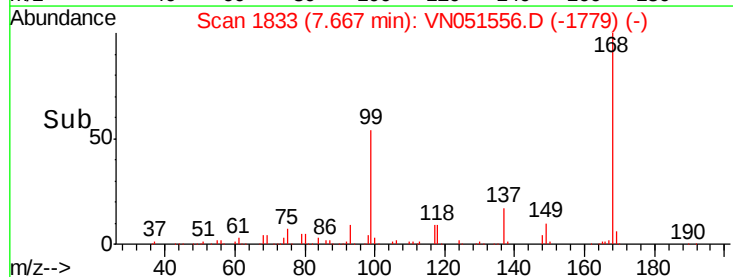
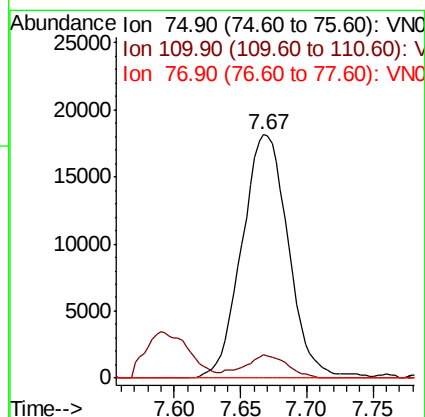
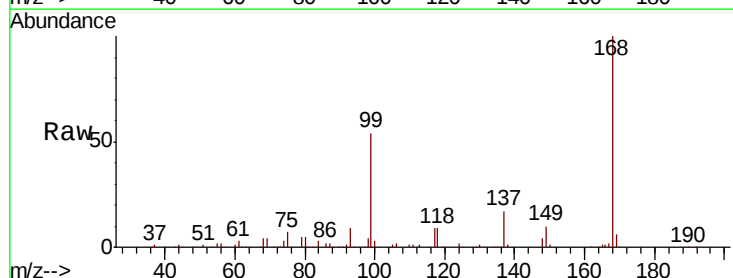
Instrument :
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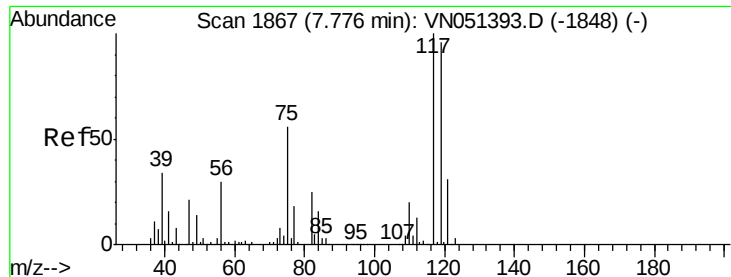
Tot Ion:113 Resp: 380928
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.6 123.8
 192 21.9 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 3.785 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051556.D
 Acq: 27 Sep 2018 00:05

Tgt Ion: 75 Resp: 44144
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.1 54.3#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 4.593 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051556.D

Acq: 27 Sep 2018 00:05

Instrument :

MSVOA_N

ClientSampleId :

CS-RBR-200031

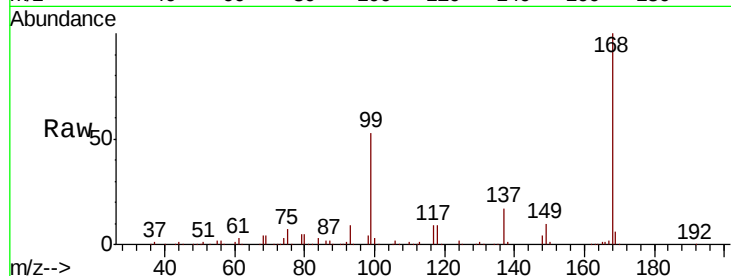
Tot Ion:117 Resp: 56026

Ion Ratio Lower Upper

117 100

119 5.1 76.9 115.3#

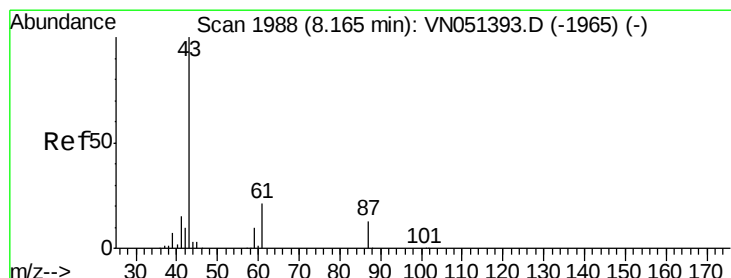
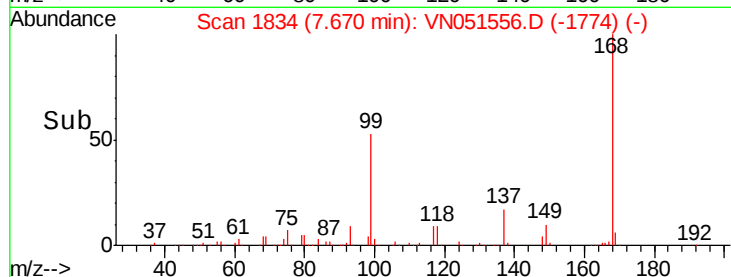
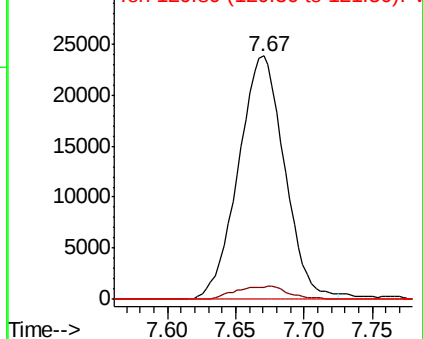
121 0.0 24.6 37.0#



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: 27.284 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN051556.D

Acq: 27 Sep 2018 00:05

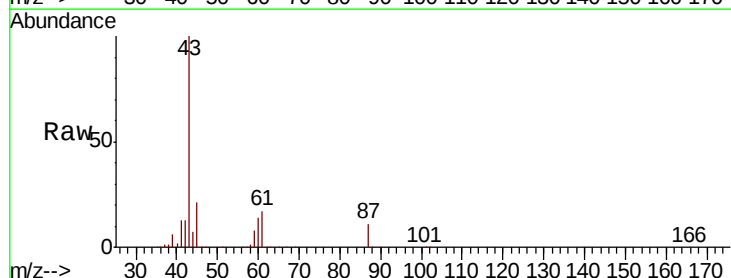
Tgt Ion: 43 Resp: 330802

Ion Ratio Lower Upper

43 100

61 13.9 16.8 25.2#

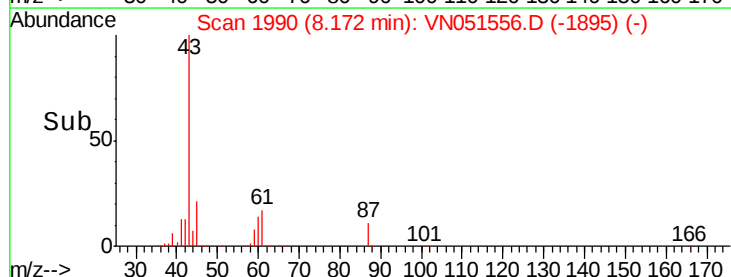
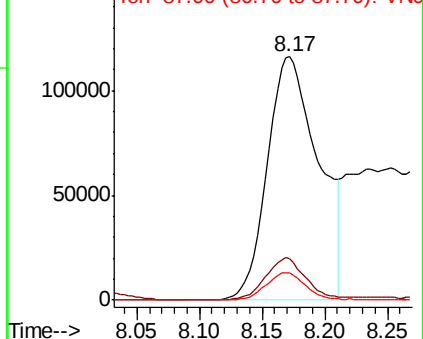
87 8.7 10.7 16.1#

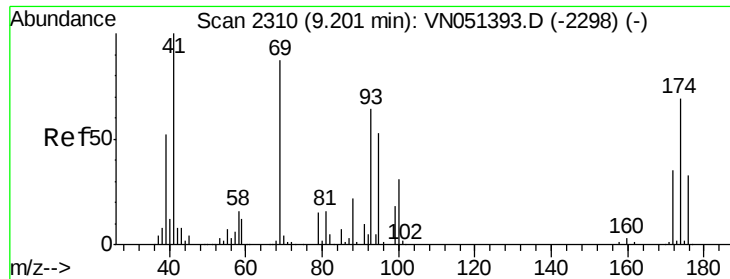


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

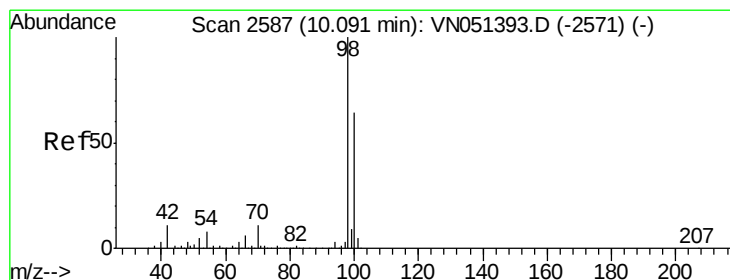
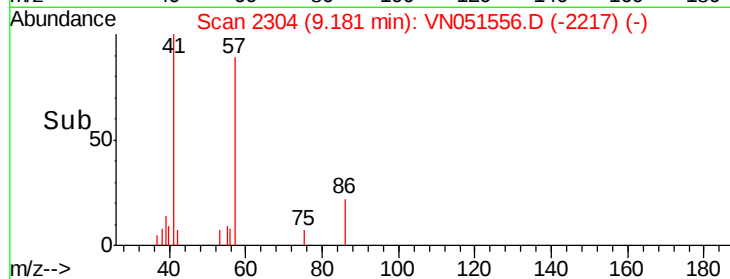
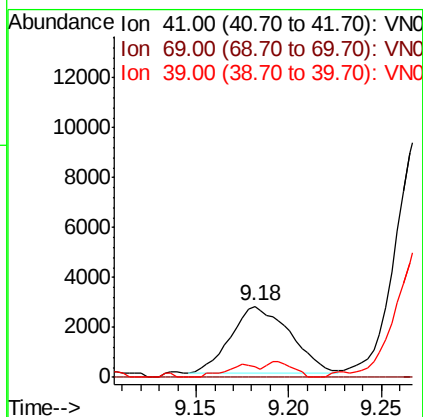
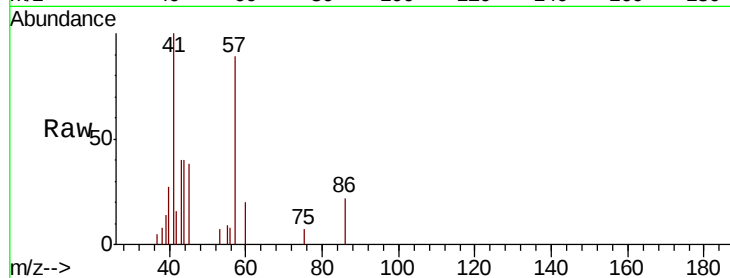




#48
Methyl methacrylate
Concen: 0.980 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051556.D
Acq: 27 Sep 2018 00:05

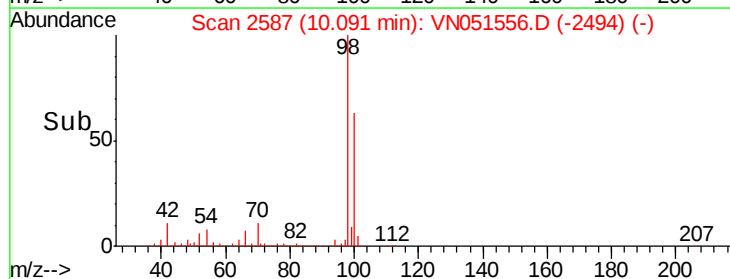
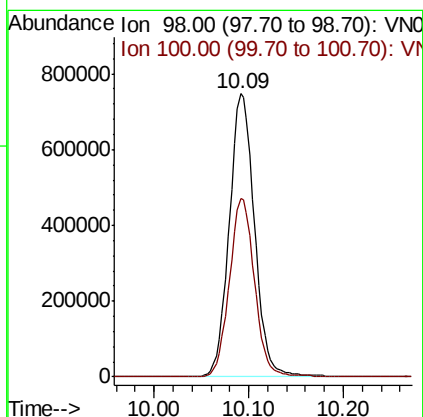
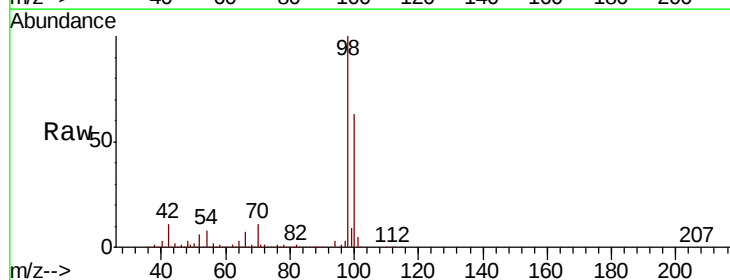
Instrument :
MSVOA_N
ClientSampleId :
CS-RBR-200031

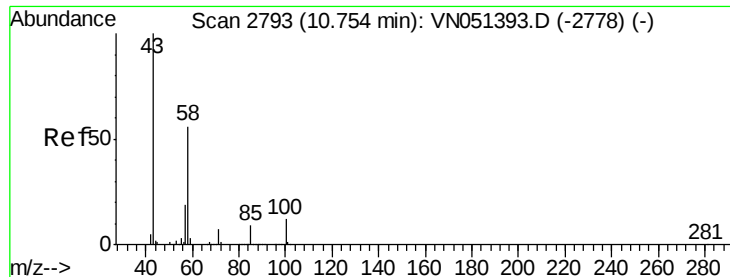
Tot Ion: 41 Resp: 5924
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 10.6 43.8 65.8#



#50
Toluene-d8
Concen: 45.755 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051556.D
Acq: 27 Sep 2018 00:05

Tgt Ion: 98 Resp: 1387441
Ion Ratio Lower Upper
98 100
100 62.6 50.6 75.8

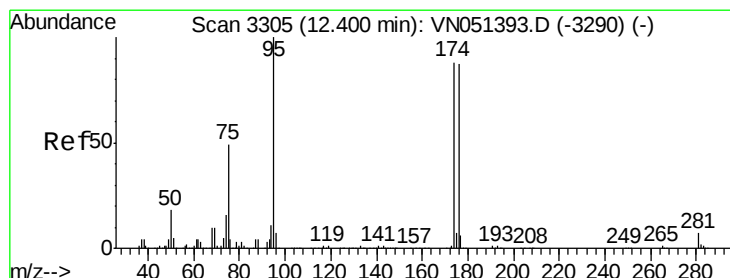
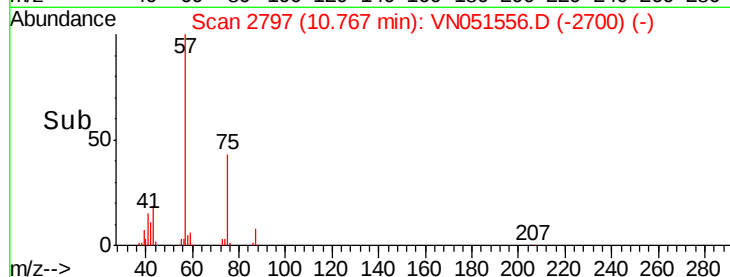
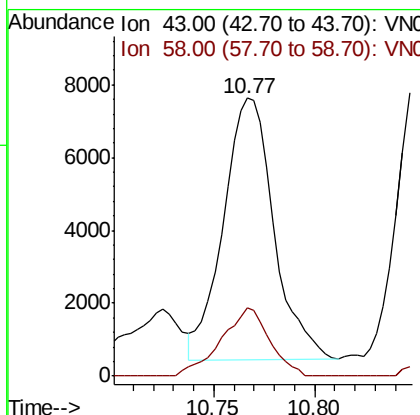
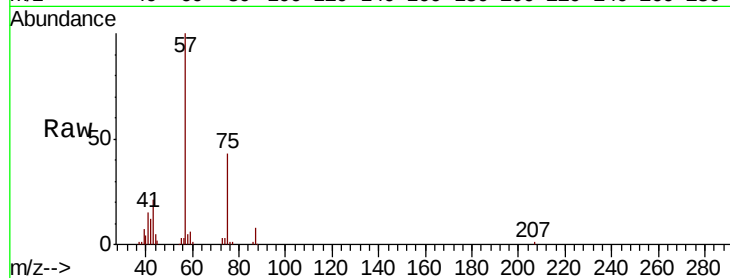




#59
2-Hexanone
Concen: 2.912 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051556.D
Acq: 27 Sep 2018 00:05

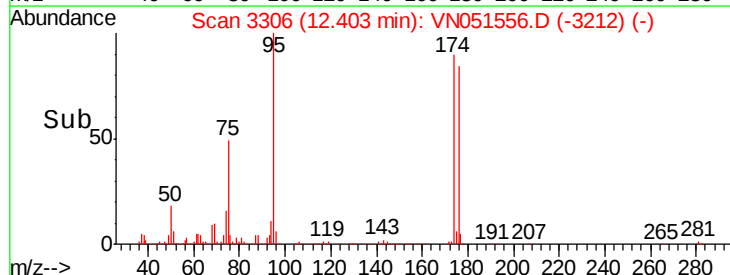
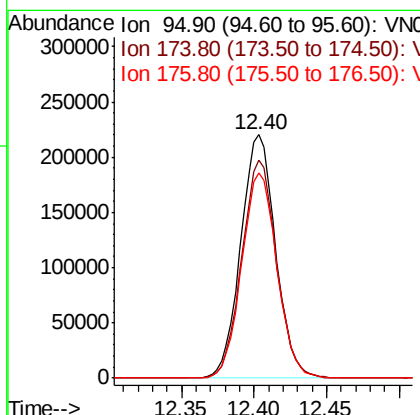
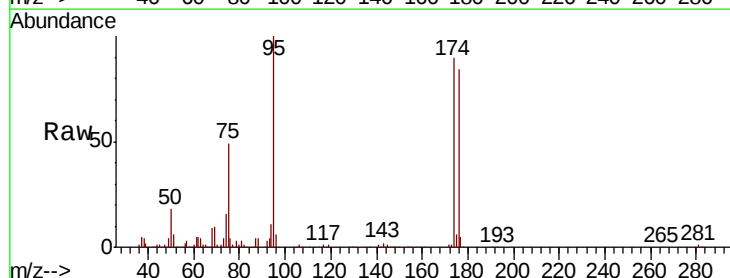
Instrument :
MSVOA_N
ClientSampleId :
CS-RBR-200031

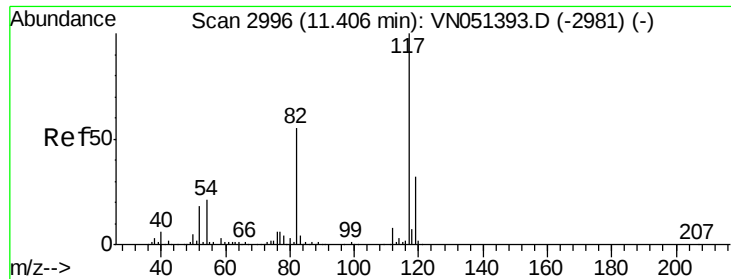
Tot Ion: 43 Resp: 12589
Ion Ratio Lower Upper
43 100
58 25.0 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 37.447 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051556.D
Acq: 27 Sep 2018 00:05

Tgt Ion: 95 Resp: 367339
Ion Ratio Lower Upper
95 100
174 89.7 0.0 181.6
176 85.5 0.0 176.4

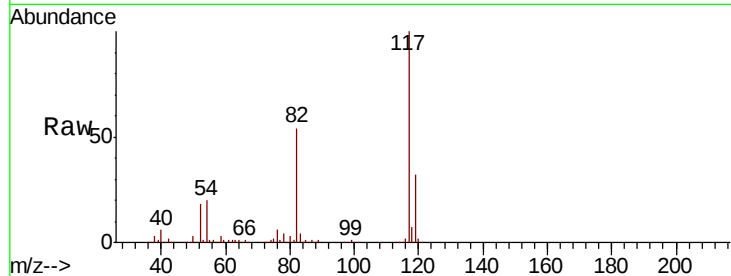




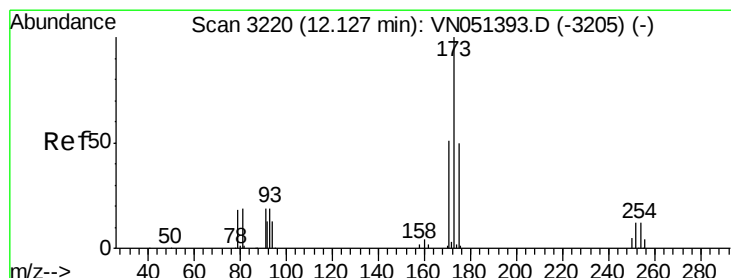
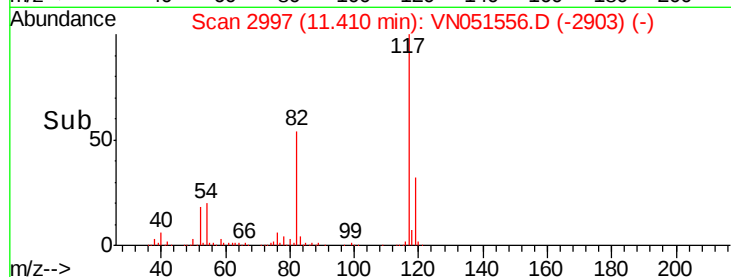
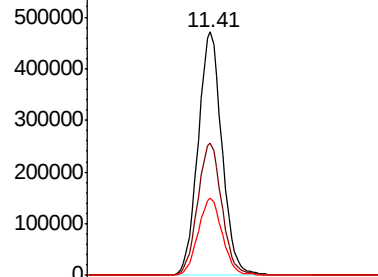
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051556.D
Acq: 27 Sep 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
CS-RBR-200031

Tot Ion:117 Resp: 827831
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 31.8 25.9 38.9

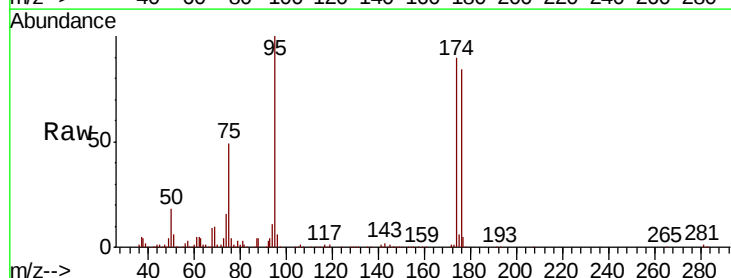


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

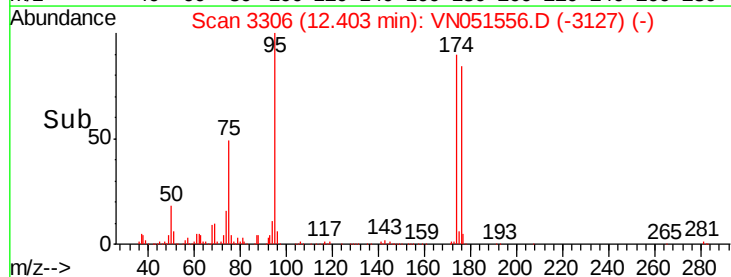
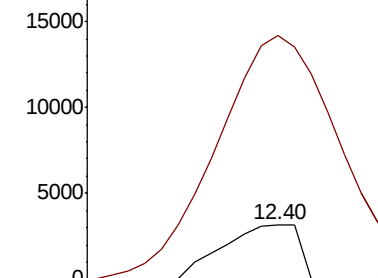


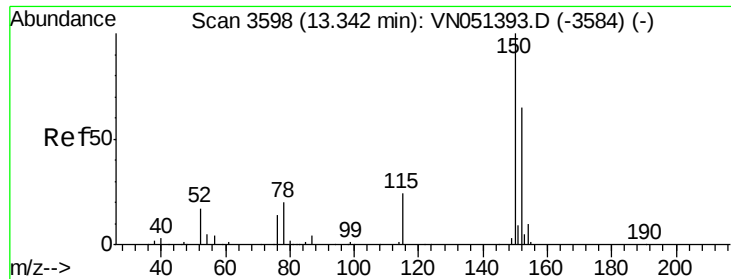
#71
Bromoform
Concen: 0.580 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051556.D
Acq: 27 Sep 2018 00:05

Tgt Ion:173 Resp: 3183
Ion Ratio Lower Upper
173 100
175 622.9 24.8 74.3#
254 0.0 0.2 0.2#



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



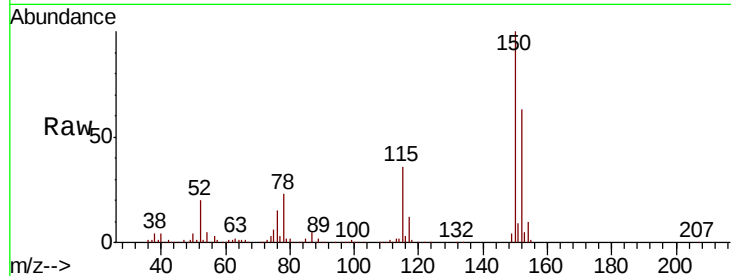


#72

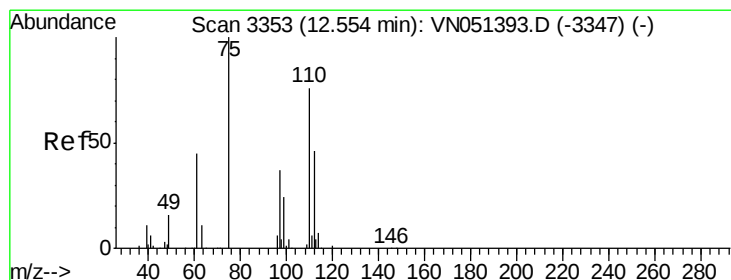
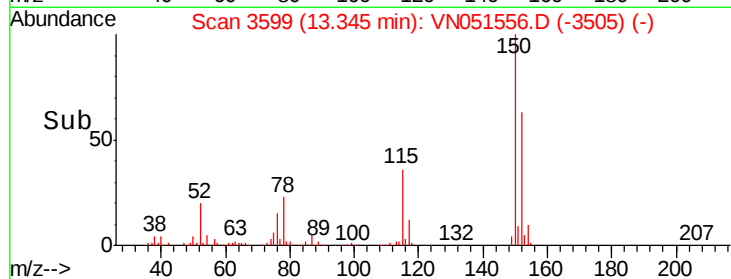
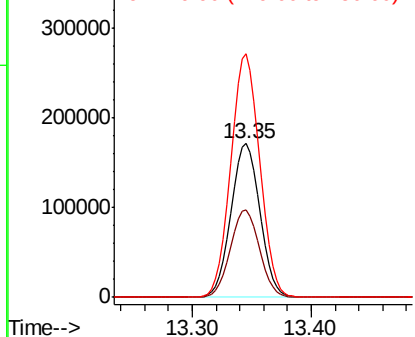
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051556.D
Acq: 27 Sep 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
CS-RBR-200031

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.3	84.9
150	158.2	0.0	353.6



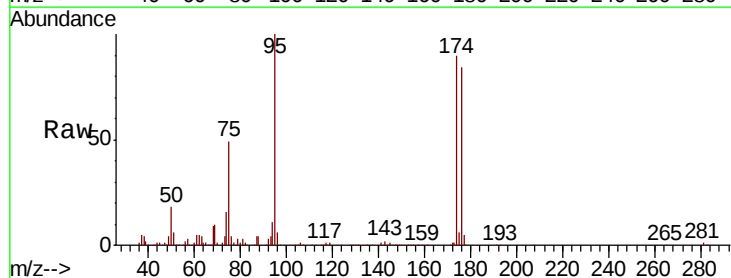
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



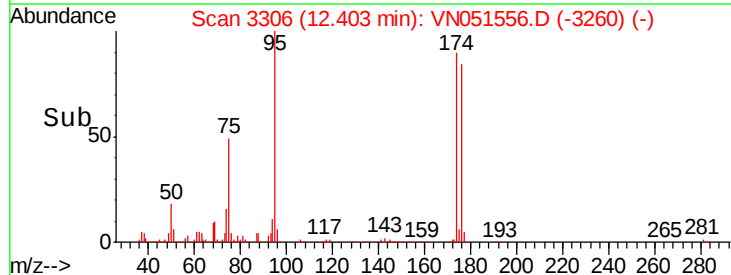
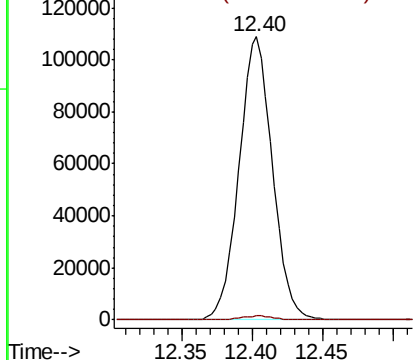
#76

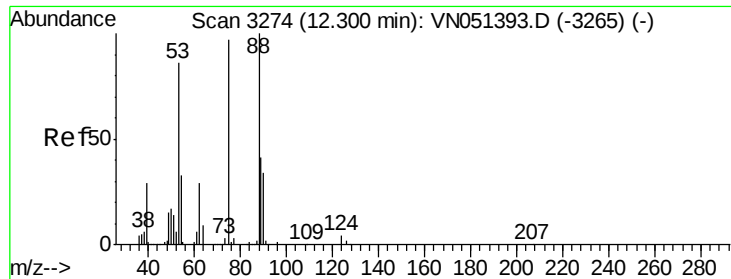
1,2,3-Trichloropropane
Concen: 37.705 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN051556.D
Acq: 27 Sep 2018 00:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

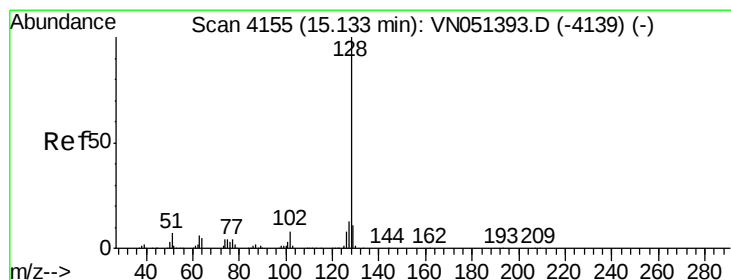
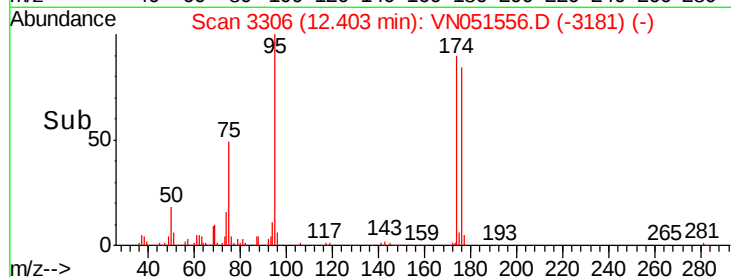
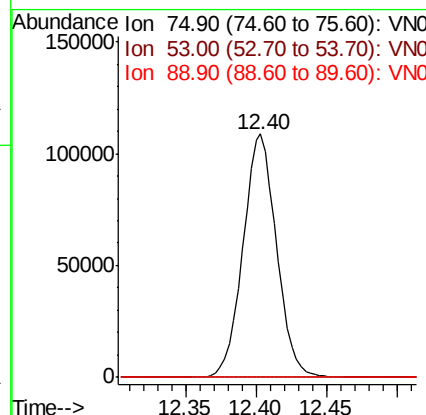
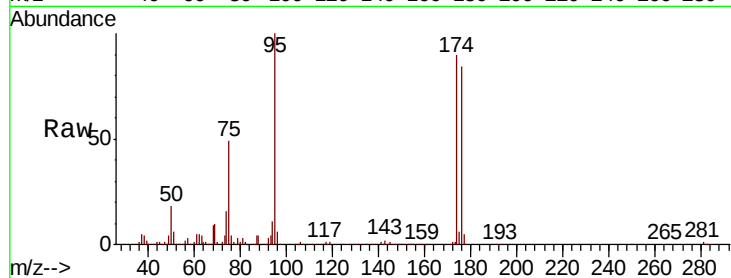




#81
trans-1,4-Dichloro-2-butene
Concen: 115.942 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051556.D
Acq: 27 Sep 2018 00:05

Instrument :
MSVOA_N
ClientSampleId :
CS-RBR-200031

Tot Ion: 75 Resp: 180401
Ion Ratio Lower Upper
75 100
53 0.3 73.9 110.9#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 8.866 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051556.D
Acq: 27 Sep 2018 00:05

Tgt Ion: 128 Resp: 10489
Ion Ratio Lower Upper
128 100
127 15.8 10.5 15.7#
129 10.9 8.6 12.8

